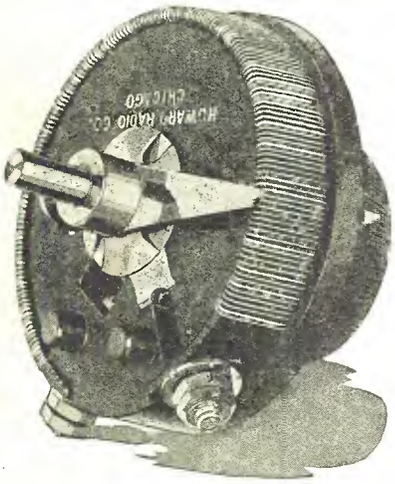
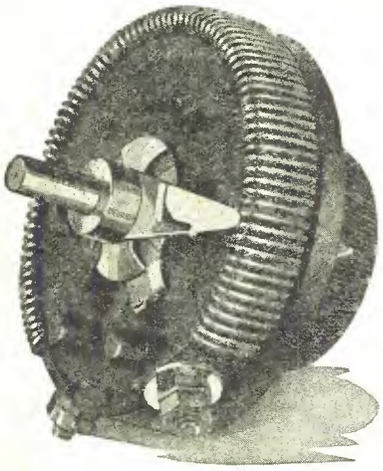
HOWARD

New 25, 40 and 60 Ohm Rheostat



	Price
6½ Ohm Rheostat	$1.10
25 Ohm Rheostat	1.10
40 Ohm Rheostat	1.10
60 Ohm Rheostat	1.10

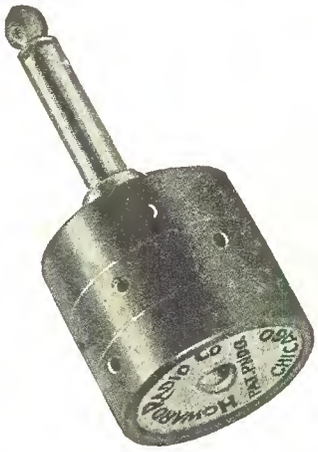
Power Tube Rheostat



The above rheostat may be used to control the filament voltage of one 5 watt tube or two amplifier tubes. Rating 1.6 ohms 2.5 amperes.

Price $1.50

Multi-Terminal Plug



Patd. August 28, 1923. Makes Positive contact for 6 pairs standard Phone Tips—Series and Parallel, operates with Maximum Electrical Efficiency.

Price $2.00

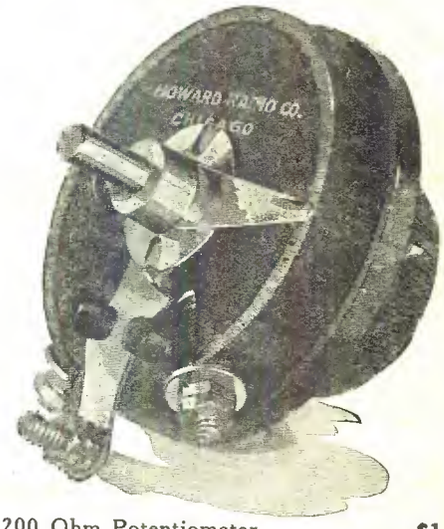
Micrometer Rheostat

Patd. July 10, 1923.

The most simple, smooth and efficient Single Knob Control Vernier Rheostat in existence. Automatic—instantaneous adjustment of either main or micrometer portion.

	Price
7 Ohm Micrometer Rheostat	$1.50
25 Ohm Micrometer Rheostat	1.50
40 Ohm Micrometer Rheostat	1.50

Potentiometer



200 Ohm Potentiometer	$1.50
400 Ohm Potentiometer	2.00

Ask your Dealer to show you this dependable product made of the highest grade materials by skilled labor. Every piece carefully inspected and made to PLEASE the buyer looking for reliable merchandise. Sold ALWAYS with the GUARANTEE of SATISFACTORY performance.

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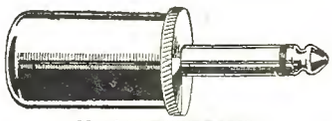
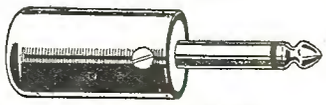
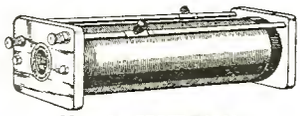


No. 140 FROST-RADIO
2-Fone Plug 60c

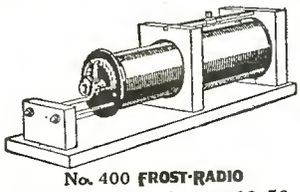
No. 312 FROST-RADIO
Extension Cord (30 ft.) $2.50



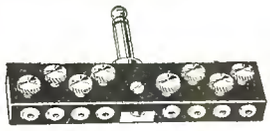
No. 137 FROST-RADIO
Cord Tip Plug $1.25



No. 410 FROST-RADIO
Tuning Coil $3.00



No. 400 FROST-RADIO
Receiving Transformer $9.50

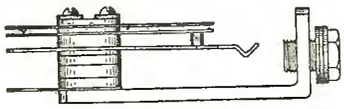


No. 138 FROST-RADIO
Multiphone Plug $2.50

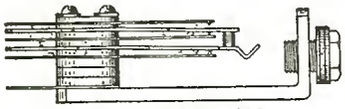
No. 501 FROST-RADIO
Jac-Box Complete $3.00

No. 133 FROST-RADIO
Open Circuit Jack 60c

No. 134 FROST-RADIO
Closed Circuit Jack 70c

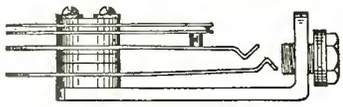


No. 135 FROST-RADIO
Filament Control Jack 85c

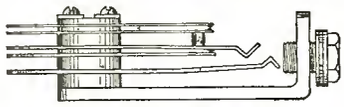


No. 136 FROST-RADIO
Filament Control Jack 90c

FROST-RADIO Jacks are the smallest, neatest jacks made. There is a type for every radio circuit. All **FROST-RADIO** Jacks have brass frames nickel-plated and polished all over

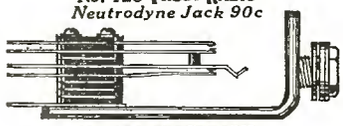


No. 124 FROST-RADIO
Neutrodyne Jack 90c

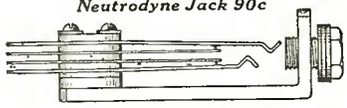


No. 125 FROST-RADIO
Neutrodyne Jack 90c

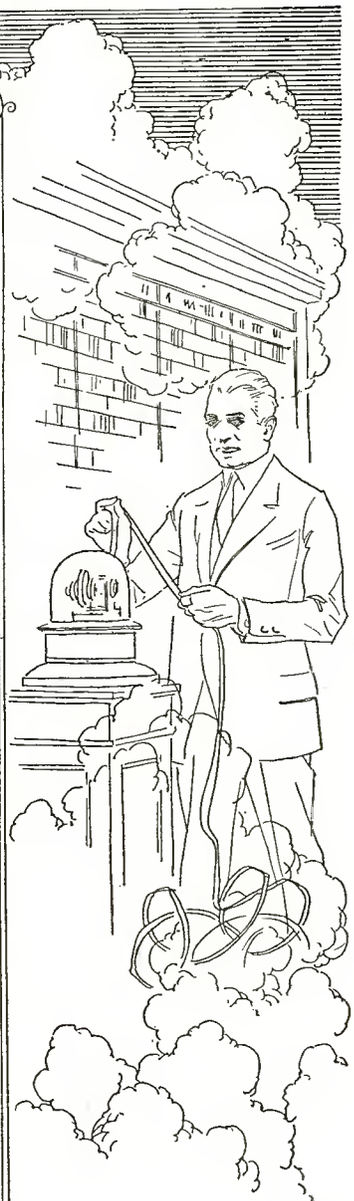
No. 126 FROST-RADIO
Neutrodyne Jack 90c

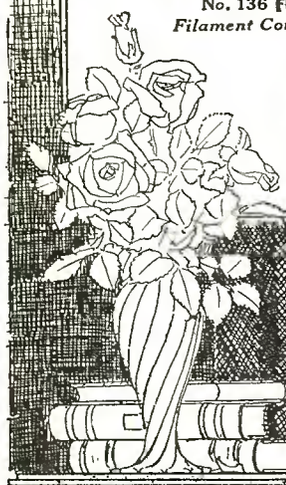


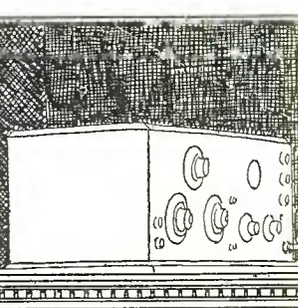
No. 130 FROST-RADIO
Neutrodyne Jack 90c



No. 131 FROST-RADIO
Double Circuit Jack 80c







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(Reg. U. S. Pat. Off.)

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No. 162—2000 ohm—$5.00
Composition Shells and Caps

No. 172—Maroon BAKELITE Shells and Caps
3200 ohm—$6.00

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No. 161—2000 ohm—$4.00
No. 171—3000 ohm—$5.00
Aluminum Shell Type

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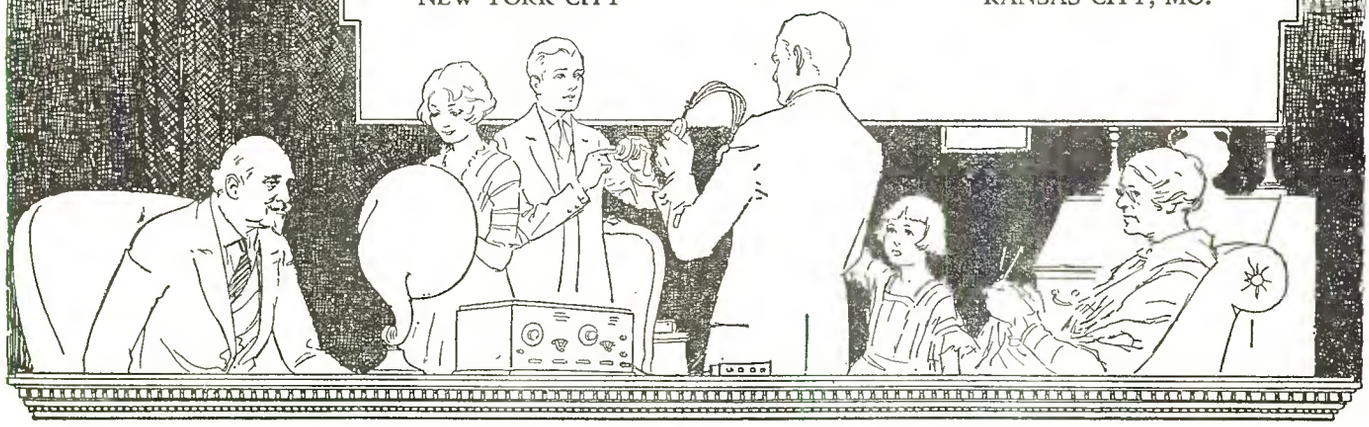

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WE have originated a line of genuine maroon moulded BAKELITE sockets and adapters under the name **FROST-RADIO** which are second to none in quality and superiority of design. Polished moulded BAKELITE, one piece construction, with all metal parts securely moulded in place, and nickel plated and hand buffed. Our shock-absorber type sockets cushion the tube against all jars, rendering tube non-microphonic under all conditions. Other items shown are Resistance Unit for the new dry cell tubes, Potentiometer Cut-Out, and Push-Pull Battery Switch, these three being exceptional values.

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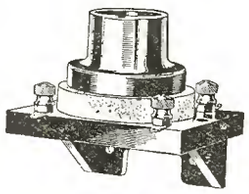
No. 611, Bakelite Adapter for UV-199, C-299 tubes.....50c



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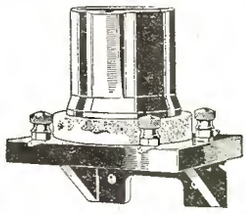
No. 617, Bakelite Shock Absorber Socket for UV-199, C-299 tubes, panel or table mounting $1.00



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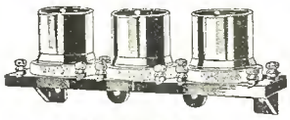
No. 618, Bakelite Shock Absorber Socket, Standard base, panel or table mounting $1.00



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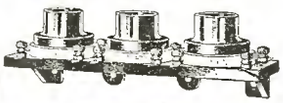
No. 619, Bakelite Shock Absorber Gang, Standard Base, ...$2.75



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No. 616, Bakelite Shock Absorber Gang, UV-199, C-299 .....$2.75

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No. 630, Resistance Unit for storage battery use, 35 ohms 25c

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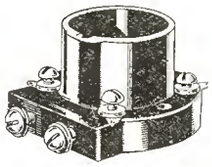
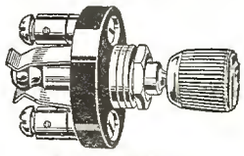
No. 620, Bakelite Potentiometer cut-out switch.....50c



FROST-RADIO

No. 612, Bakelite Socket for UV-199, C-299 tubes, panel or table mounting 50c



FROST-RADIO

No. 608, Push-Pull Battery Switch 30c

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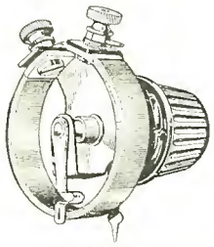
THE line of **FROST-RADIO** Rheostats, Potentiometers and Tube Control Units shown on this page is complete from every angle. You will find a suitable type for every tube, at a price considerably lower than other apparatus of equal quality. We desire to call special attention to our metal frame type rheostats in both plain and vernier type. We can also supply a metal frame potentiometer (No. 603) in 400 ohms, and (No. 605) in 200-400 ohms, both at 60c. All apparatus shown on this page is arranged for single hole mounting. Our BAKELITE apparatus is all genuine maroon moulded BAKELITE, polished finish. There is no finer line on the market.

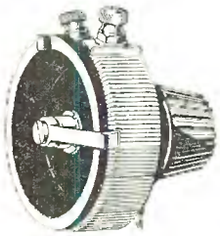


FROST-RADIO

No. 600, Metal Frame Plain Rheostat, 6 ohms.....60c
No. 602, 35 ohms.....60c

FROST-RADIO

No. 601, Metal Frame Vernier Rheostat, 6 ohms... 75c
No. 604, 35 ohms.....75c



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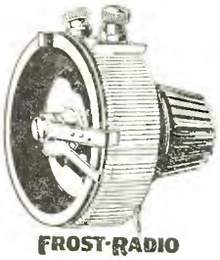
No. 650, Maroon BAKELITE plain Rheostat, 6 ohms, $1.00
No. 652, 35 ohms.....$1.00

MOULDED BAKELITE



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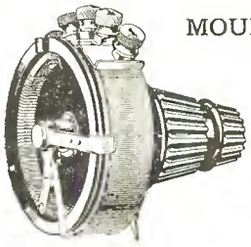
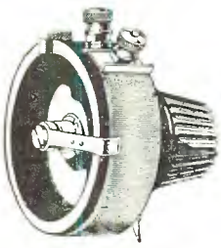
No. 651, Maroon BAKELITE Vernier Rheostat, 6 ohms, ...$1.25
No. 653, 35 ohms.....$1.25



FROST-RADIO

No. 607, Maroon BAKELITE Tube Control Unit, 6 ohm Rheostat, 400 ohm Potentiometer.....$1.75
No. 610, same as No. 607, but with 35 ohm Rheostat and 400 ohm Potentiometer, ...$1.75

MOULDED BAKELITE



FROST-RADIO

No. 654, Maroon BAKELITE Potentiometer, 400 ohms, ...$1.25
No. 655, same as No. 654, but 200-400 ohms.....$1.25

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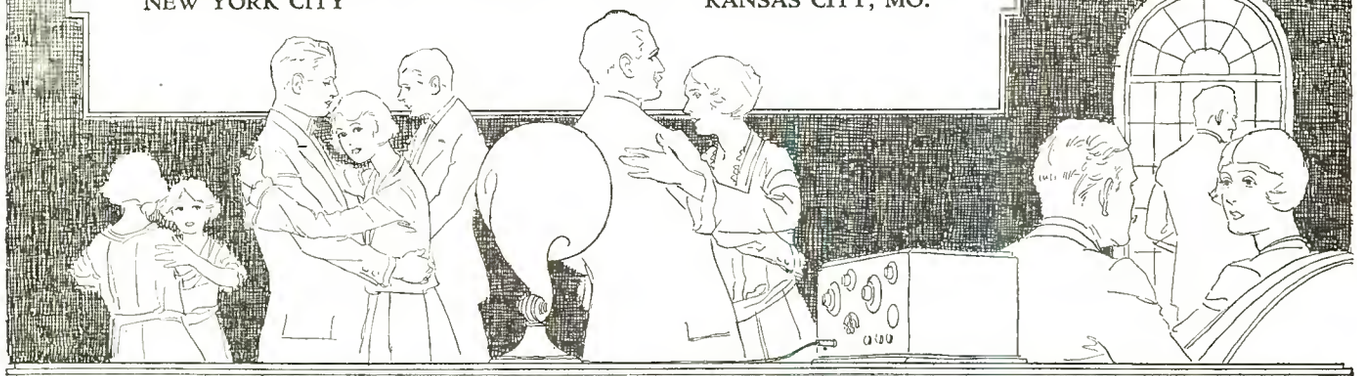

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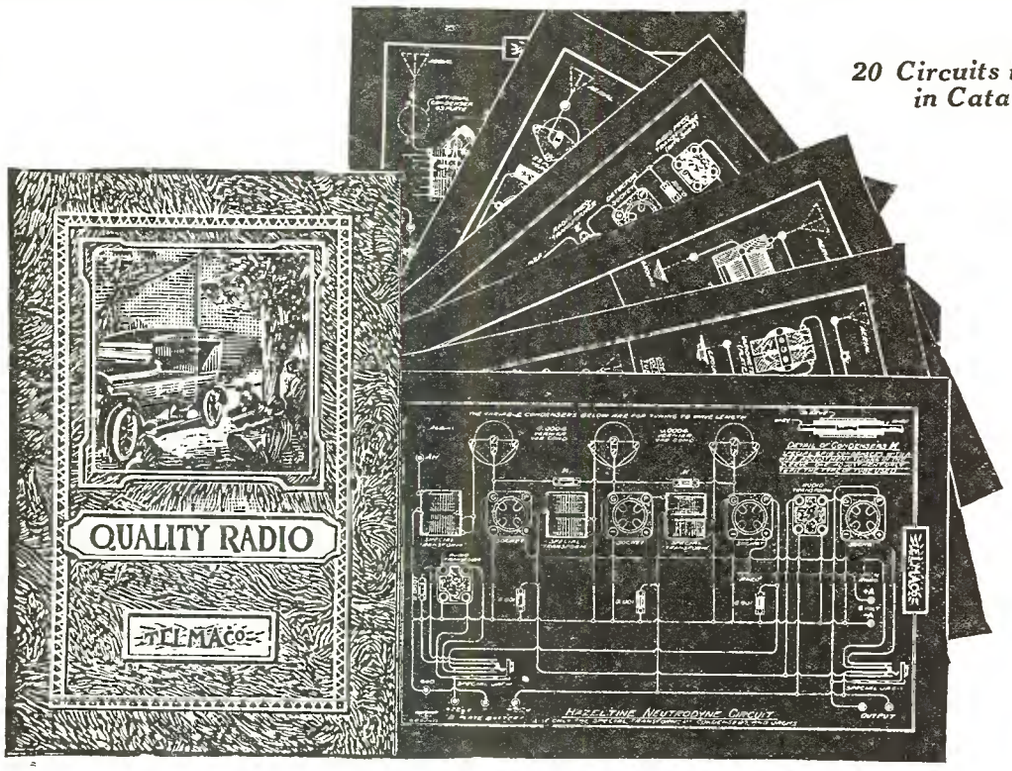

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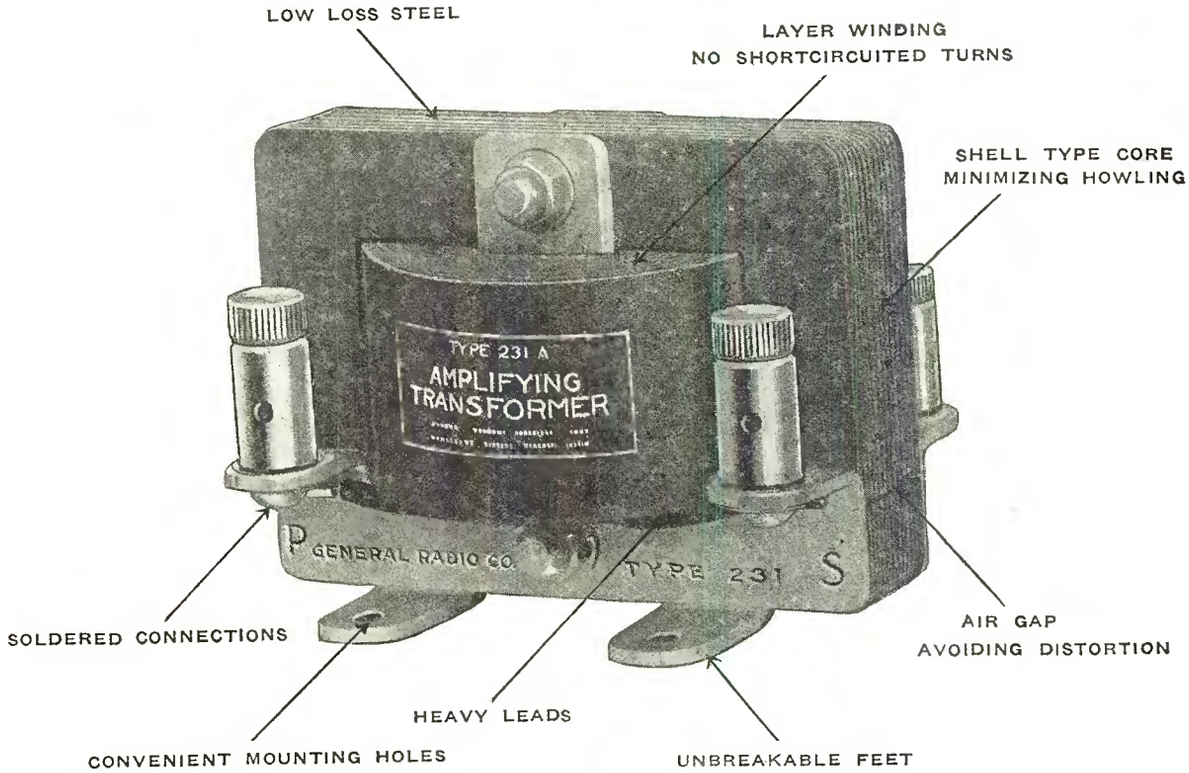

Neutrodyne, superheterodyne, and similar sensitive circuits require low loss parts in their construction to obtain full advantage of their sensitivity. The whole value of the circuit will be lost if the audio frequency amplification is inefficient. The General Radio Co. Type 231-A audio frequency amplifying transformer has been designed to give the maximum of quality amplification to the signals detected by supersensitive circuits.

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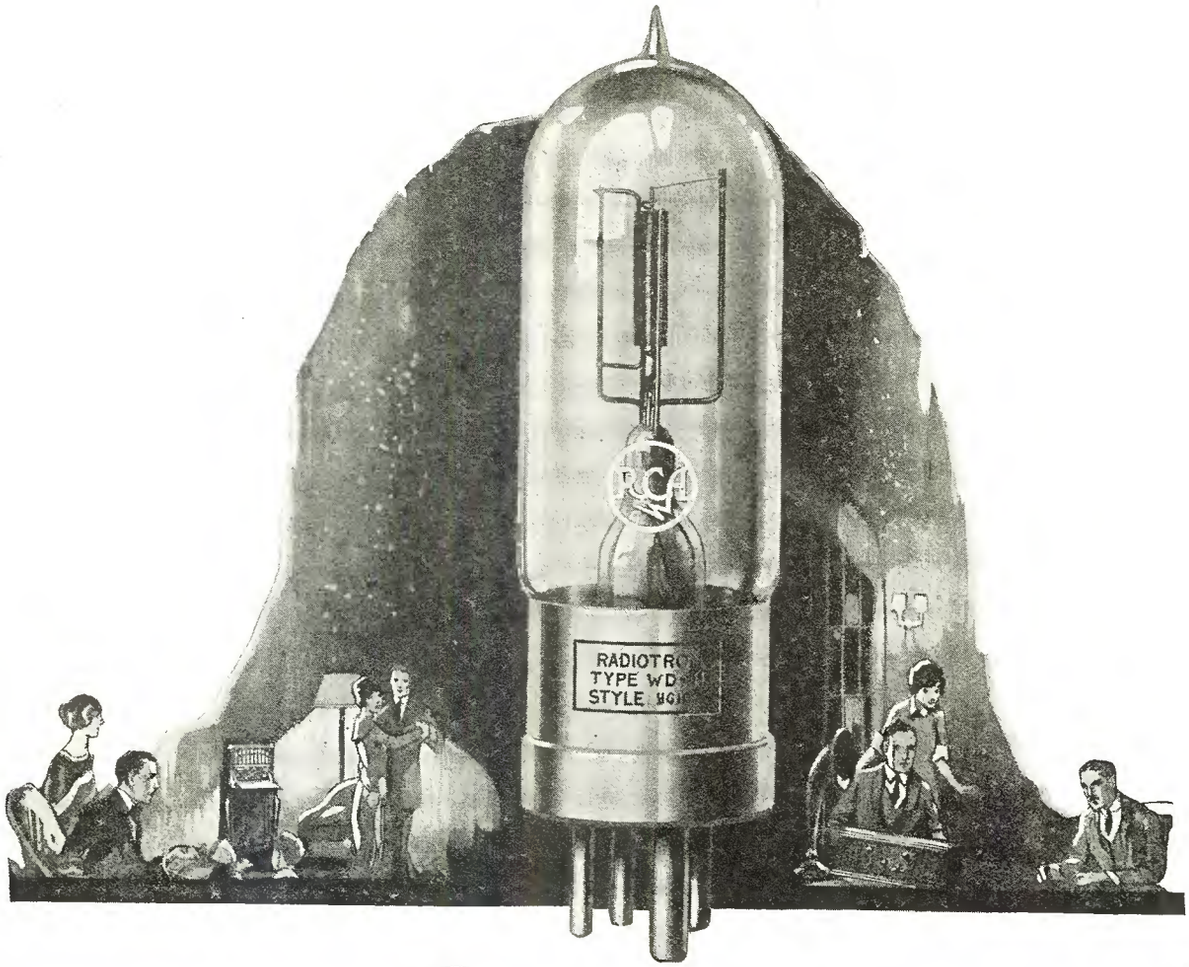

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Radiotron UV-200 $5.00
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RADIO CORPORATION OF AMERICA
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With the Editor

AGAIN we went over the top with a 50% increase in our circulation and were completely sold out, weeks in advance of this new edition.

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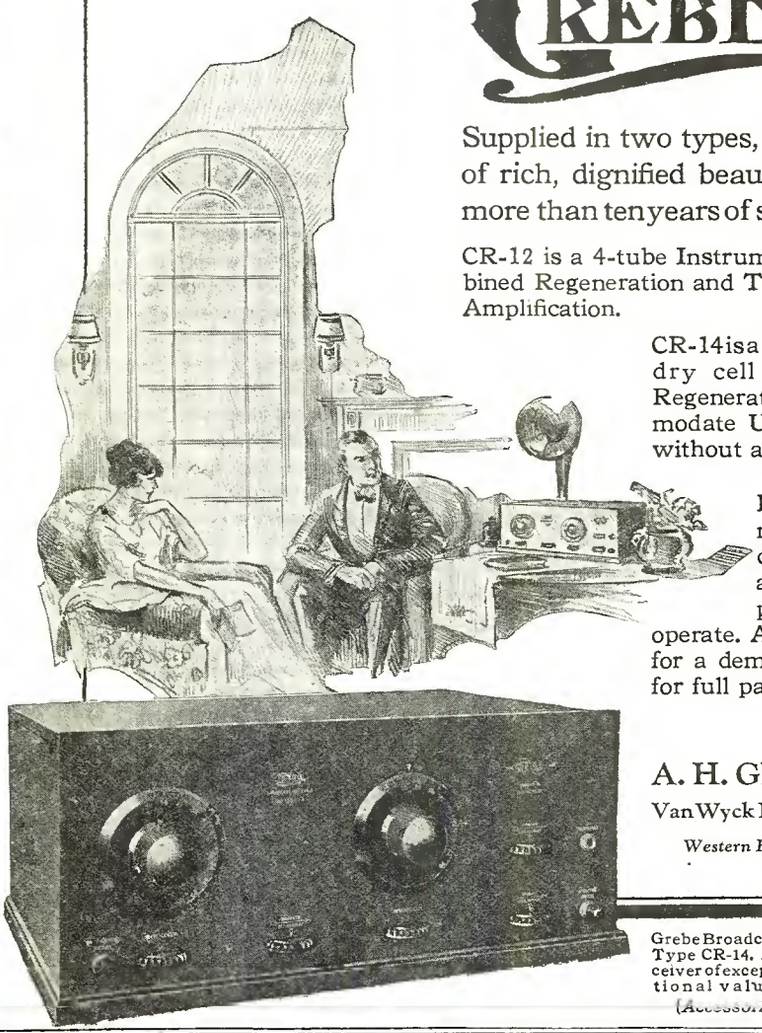

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Telephone Broadcasting Stations
For the United States

KDKA—Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa. 326 meters, 926 kilocycles, class B. Daily ex Sun, 9:45 am, market; 11:55, Arlington time signals; 12 noon, weather and market; 12:10 pm, noon concert; 6:15 pm, dinner concert; 7:45 pm, bedtime story; 8 pm, market; 8:15 pm, address; 8:30 pm, concert. Tues & Thur, 11:30 pm to 1 am, special concert. Sun practically all day, beginning at 11 am. Eastern standard time. Slogan: "The Pioneer Broadcasting Station of the World."

KDPM—Westinghouse Elec. & Mfg. Co., Cleveland, O. 270 meters, 1110 kilocycles, class A. No regular schedule, experimental station only.

KDPT—Southern Elec. Co., San Diego, Cal. 244 meters, 1230 kilocycles, class A. Daily 1:30-2:30 pm, 6-6:45 pm. Wed 8-10 pm. Sun 10-11 am. Pacific standard time. Slogan: "San Diego—At the End of the Trail."

KDYL—Telegram Publ. Co., Salt Lake City, Utah. 375 meters, 805 kilocycles, class B. Daily ex Sun 6:30-8 pm. Standard mountain time.

KDYM—The Savoy Theatre, San Diego, Cal. 280 meters, 1070 kilocycles, class A. Mon, Wed & Fri, 8-10 pm. Sat, 2-5 pm. Pacific standard time.

KDYQ—The Oregon Institute of Technology, Portland, Ore. 360 meters, 834 kilocycles, class C. Pacific standard time. Slogan: "The Radio School."

KDYW—Hugh Smith & Co., Phoenix, Ariz. 360 meters, 834 kilocycles, class C.

KDYX—The Star-Bulletin Publ. Co., Honolulu, Hawaii. 360 meters, 834 kilocycles, class C. Daily ex Sun, 12:15-1, 6:30-7:30 pm, reports, music. Mon, Wed & Sat, 9:15-10:15 pm, orchestra. Sun 11-12:15 pm, church services.

KDZB—Frank Seifert, Bakersfield, Cal. 240 meters, 1249 kilocycles, class A. Daily ex Sun, 8-9 pm, reports, music. Sun, irregular. Pacific standard time.

KDZE—The Rhodes Co., Seattle, Wash. 455 meters, 660 kilocycles, class B. Mon, Wed & Fri, 8:30-10:30 pm. Fri, 12:30-1:30 pm. Sat, 2-3 pm, music. Pacific standard time.

KDZF—Automobile Club of Southern California, Figueroa St. at Adams, Los Angeles, Cal. 278 meters, 1080 kilocycles, class A. Not broadcasting at present.

KDZI—Wenatchee Electric Supply Co., Wenatchee, Wash. 360 meters, 834 kilocycles, class C.

KDZK—Nevada Machine & Elec. Co., Reno, Nevada. 360 meters, 834 kilocycles, class C.

KDZQ—Nichols Academy of Music, Denver, Colo. 360 meters, 834 kilocycles, class C.

KDZR—Bellingham Publ. Co., Bellingham, Wash. 261 meters, 1150 kilocycles, class A. Daily 7-8 pm. Pacific standard time.

KDZT—Seattle Radio Ass'n. Seattle, Wash. 360 meters, 834 kilocycles, class C.

KFAD—McArthur Bros., Central & Madison, Phoenix, Ariz. 360 meters, 834 kilocycles, class C. Daily 7:30-8:30 pm. Mountain time.

KFAE—State College of Washington, Pullman, Wash. 330 meters, 908 kilocycles, class B. Mon, Wed, Fri 7:30-8:30 pm. Pacific standard time. Slogan: "Your Radio Service Station."

KFAF—Western Radio Corp., Denver, Colo. 360 meters, 834 kilocycles, class C. Mon, Tues, Fri & Sat 8-9 pm. Thur 7:30-8 pm, news and music. Mountain time. Slogan: "The Voice from the Rockies, Out Where the West Is."

KFAJ—University of Colorado, Boulder, Colo. 360 meters, 834 kilocycles, class C. Tues, Thur & Sat 9 pm, music, lectures. Mountain time.

KFAN—The Radio Shop, Moscow, Idaho. 360 meters, 834 kilocycles, class C.

KFAR—Studio Lighting Service Co., Hollywood, Cal. 280 meters, 1070 kilocycles, class A.

KFAU—Independent School District, Boise, Idaho. 270 meters, 1110 kilocycles, class A. Daily ex Sun 4-4:30 pm, weather and news. Wed & Fri 8-9 pm, music. Mountain time.

KFAV—Abbott-Kinney Co., Venice, Cal. 224 meters, 360 kilocycles, class A. Mon, Tues, Wed & Fri 8:30-9:30 pm, music. Pacific standard time.

KFAW—The Radio Den (W. B. Ashford), Santa Ana, Cal. 268 meters, 1110 kilocycles, class A. Daily ex Sun 4:30-5 pm. Mon & Thur 6:30-7:30 pm, concert. Pacific standard time. Slogan: "We Use the Key to Sign Off With."

KFAY—Virgin's Radio Service, Medford, Ore. 283 meters, 1070 kilocycles, class A.

KFBB—F. A. Buttrey & Co., Havre, Mont. 272 meters, 1110 kilocycles, class A. Daily ex Sun 12:30 pm, news and weather. Tues & Fri 8-9:30 pm, music. Mountain time.

KFBC—W. K. Azbill, San Diego, Cal. 278 meters, 1080 kilocycles, class A. Thur & Sun 8-9 pm, sermon. Pacific time.

KFBE—R. H. Horn, San Luis Obispo, Cal. 360 meters, 834 kilocycles, class C. Mon, Wed & Fri 4:30-5:30 pm. Pacific standard time.

KFBG—First Presbyterian Church, So. 10th & G Sts., Tacoma, Wash. 360 meters, 833 kilocycles, class C. Sun 11 am-12:30 pm, church services, 7:15 or 7:30-9 pm. Special weekday services as announced. Pacific standard time.

KFBK—Kimball, Upson Co., 610 California St., Sacramento, Cal. 283 meters, 1060 kilocycles, class A. Daily ex Sun 6-6:30 pm, Wed 8-9 pm, Pacific standard time. Slogan: "The City Surrounded by the Richest Valley in the World."

KFBL—Leese Bros., 2818-22 Rucker Ave., Everett, Wash. 224 meters, 1300 kilocycles, class A. Daily ex Sun 7:15-8:15 pm, Sun 2-3 pm. Pacific standard time.

KFBS—Chronicle News, Gas & Elec. Sup. Co., Trinidad, Colo. 360 meters, 834 kilocycles, class C.

KFBU—The Cathedral, Laramie, Wyo. 283 meters, 1070 kilocycles, class A.

KFCB—Nielsen Radio Sup. Co., 311 No. Central Ave., Phoenix, Ariz. 278 meters, 1070 kilocycles, class A. Daily ex Wed 7-7:30 pm. Mountain time.

KFCF—Frank A. Moore, Walla Walla, Wash. 360 meters, 834 kilocycles, class C.

KFCH—Electric Service Station, Inc., 14 No. 30th St., Billings, Mont. 242 meters, 1249 kilocycles, class A. Sun 11-12:30 pm, 7:30-8:30 pm. Wed 8-9:30 pm. Fri 8-9:30 pm. Other special programs as announced. Mountain time.

KFCM—Richmond Radio Shop, Richmond, Cal. 244 meters, 1220 kilocycles, class A. Daily ex Sun 1-2 pm. Tues & Fri 8-9 pm. Pacific standard time. Slogan: "Out Where the West Ends."

KFCP—Ralph W. Flygare, Ogden, Utah. 360 meters, 834 kilocycles, class C.

KFCV—Fred Mahaffey, Jr., Houston, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 7:30-8:30 pm. Sun 2-3 pm. Central standard time. Slogan: "Houston, Where 17 Railroads Meet the Sea."

KFCY—Western Union College, Le Mars, Ia. 252 meters, 1199 kilocycles, class A. Wed 10-11 pm. Central standard time.

KFCZ—Omaha Central High School, Omaha, Neb. 258 meters, 1155 kilocycles, class A. Daily ex Sat & Sun 3-4 pm. Mon, Tues & Thur 7-8 pm. Central standard time.

KFDA—Adler's Music Store, Baker, Ore. 360 meters, 834 kilocycles, class C. Daily ex Sun 5-5:45 pm. Mon, Wed, Fri 7:30-8 pm. Sun 6-7 pm. Pacific standard time.

KFDD—St. Michael's Cathedral, Boise, Idaho. 252 meters, 1200 kilocycles, class A. Sun 11:15-12:30 pm, 8-9:15 pm, church services. Mountain standard time.

KFDH—University of Arizona, Tucson, Ariz. 360 meters, 834 kilocycles, class A. Programs irregular, 7:30-8:30 pm. Mountain time.

KFDJ—Oregon Agricultural College, Corvallis, Ore. 360 meters, 834 kilocycles, class C. Mon & Thur 8-9 pm. Pacific standard time.

KFDO—H. E. Cutting, Bozeman, Mont. 248 meters, 1190 kilocycles, class A. Mon, Wed & Sat 8-9 pm. Mountain time.

KFDR—Bullock's Hardware & Sporting Goods Store, York, Neb. 360 meters, 834 kilocycles, class C. Daily ex Sun 4-4:30 pm, Children's hour. Wed 8:30-10 pm, concert. Sun, special afternoon program. Central standard time. Slogan: "The Little Station with the Big Kick."

KFDU—Nebraska Radio Elec. Co., Lincoln, Neb. 240 meters, 1249 kilocycles, class A.

KFDV—Gilbreth & Stinson, Fayetteville, Ark. 360 meters, 834 kilocycles, class C. Schedule irregular. Slogan: "Southern Gateway to the Ozarks."

KFDX—First Baptist Church, Shreveport, La. 360 meters, 834 kilocycles, class C.

KFDY—South Dakota College of Agriculture & Mechanical Arts, Brookings, S. D. 360 meters, 834 kilocycles, class C. Mon & Sat 8:30 pm, concert. Tues & Thur 11 am, lecture, news. Central standard time.

KFDZ—Harry O. Iverson, Minneapolis, Minn. 231 meters, 1304 kilocycles, class A.

KFEC—Meier & Frank Co., Portland, Ore. 360 meters, 833 kilocycles, class C. Daily ex Sun, 12 noon, weather; 4-5 pm, music and features; 6:30 pm, weather, crop and market. Thur 9-10 pm, special program. Sat 11-12 am, children's hour. Pacific standard time.

KFEJ—Tacoma Radio News Service, Tacoma, Wash. 360 meters, 834 kilocycles, class C.

KFEL—Winner Radio Corp., 1435 Welton St., Denver, Colo. 360 meters, 833 kilocycles, class C. Daily ex Sun 9, 10, 11, 11:45 am, market; 2-3 pm, music. Mon & Fri 9-10 pm, musical program. Mountain standard time. Slogan: "Denver's Radio Central."

KFEQ—J. L. Scroggin, Oak, Neb. 360 meters, 834 kilocycles, class C.

KFER—Auto Elec. Service Co., Ft. Dodge, Ia. 231 meters, 1304 kilocycles, class A.

KFEV—Felix Thompson, Casper, Wyo. 263 meters, 1153 kilocycles, class A. Daily 11:05 am, weather. Mountain time. Slogan: "You Tell 'Em."

KFEX—Augsburg Seminary, Minneapolis, Minn. 261 meters, 1150 kilocycles, class A. Tues eve at 8:15 and 9:30 alternately. Central time.

KFEY—Bunker Hill & Sullivan M. & C. Co., Kellogg, Idaho. 360 meters, 833 kilocycles, class C. Every evening ex Sun. Pacific standard time. Slogan: "The Voice of the Coeur d'Alenes."

KFEZ—Associated Engineering Societies of St. Louis, Mo. 360 meters, 833 kilocycles, class C. Wed 9-11 pm. Sat 12 midnight to 3 am, special test and research programs after 10 pm. Central standard time. Slogan: "Lend Your Ears to the Engineers."

KFFB—The Jenkins Furniture & Owybee Hotel, Boise, Idaho. 273 meters, 1110 kilocycles, class A. Tues, Thur & Sat 8-10 pm. Mountain time. Slogan: "The Land of the Full Milk Pail."

KFFE—Eastern Oregon Radio Co., Inc., Pendleton, Ore. 360 meters, 834 kilocycles, class C. Daily ex Sun 8:30-9:30 pm, concert. Pacific standard time.

KFFO—Dr. E. H. Smith, Hillsboro, Ore. 229 meters, 1310 kilocycles, class A. Daily 6-7 pm, music and news. Fri. 9-10 pm. Pacific standard time.

KFFQ—The Marksheffel Motor Co., Colorado Springs, Colo. 360 meters, 833 kilocycles, class C. Daily ex Sun 8:45 am, weather, road reports, time signals. Mon & Fri 8-9:30 pm, Tues 4-5 pm, special programs. International concert Wed at midnight to 1 am. Mountain standard time. Slogan: "The City of Sunshine at the Foot of Pikes Peak."

KFFR—Jim Kirk, Sparks, Nev. 226 meters, 1304 kilocycles, class A. Thur 7-8 pm. Pacific standard time. Slogan: "The Sagebrush Canaries."

KFFV—Graceland College, Lamoni, Ia. 360 meters, 833 kilocycles, class C. Sun 6:30 pm, Tues & Thur 7 pm. Central standard time.

KFFX—The McGraw Co., Omaha, Neb. 278 meters, 1100 kilocycles, class A. No regular schedule.

KFFY—Pincus & Murphy, Inc., Alexandria, La. 275 meters, 1090 kilocycles, class A.

KFFZ—Al. G. Barnes Amusement Co., Dallas, Tex. 226 meters, 1330 kilocycles, class A. (Portable).

KFGC—Louisiana State University, Baton Rouge, La. 254 meters, 1180 kilocycles, class A. Fri 8-9 pm, Central standard time.

KFGD—Chickasha Radio & Elec. Co., Chickasha, Okla. 248 meters, 1195 kilocycles, class A. Tues, Thur & Sat, 7:30 pm, music by students, Okla. College for Women. Wed 10 am, chapel services. Central standard time. Slogan: "Queen of the Washita."

KFGH—Leland Stanford, Jr., University, Palo Alto, Cal. 286 meters, 1071 kilocycles, class A. Schedule irregular.

KFGJ—Nat'l Guards, Missouri 138th Inf., St. Louis, Mo. 226 meters, 1320 kilocycles, class A. Mon 7:30-10:30 pm. Fri 10:30 pm to 1 am. Sun 2-4 pm. Central standard time.

KFGL—Arlington Garage, Arlington, Ore. 284 meters, 1304 kilocycles, class A.

KFGQ—The Crary Hardware Co., Boone, Ia. 226 meters, 1327 kilocycles, class A. Schedule irregular.

KFGV—Heidbreder Radio Sup. Co., Utica, Neb. 224 meters, 1340 kilocycles, class A.

KFGX—First Presbyterian Church, Orange, Tex. 250 meters, 1199 kilocycles class A. Sun 11 am and 7:30 pm, services. Central standard time.

KFGZ—Emmanuel Missionary College, Niles, Mich. 268 meters, 1120 kilocycles, class A. Temporarily discontinued.

KFHA—Western State College of Colorado, Gunnison, Colo. 252 meters, 1190 kilocycles, class A. Tues and Fri 7:30 pm. Mountain time. Slogan: "Where the Sun Shines Every Day and Fishing Is Fine."

KFHB—Rialto Theatre, Hood River, Ore. 280 meters, 1071 kilocycles, class A. Daily ex Mon 6:20-6:35 pm, sporting news. Sun 1-1:45 pm, concert. Special programs 11 pm. Pacific standard time.

KFHD—Utz Elec. Shop Co., 12th & Faraon Sts., St. Joseph, Mo. 226 meters, 1365 kilocycles, class A. Mon, Thur, Sat 9 pm. Daily ex Sun 5-5:30 pm. Central standard time.

KFHF—Central Christian Church, Shreveport, La. 266 meters, 1130 kilocycles, class A. Sun 11 am to 12 noon, 8-9 pm, services. Central standard time. Slogan: "The Friendly Church."

KFHH—Ambrose A. McCue, Neah Bay, Wash. 261 meters, 1150 kilocycles, class A. Tues & Thur 9-10 pm. Sat 9-11 pm, dance music. Pacific standard time.

KFHJ—Fallon & Co., 23 W. Figueroa St., Santa Barbara, Cal. 360 meters, 833 kilocycles, class C. Mon 6-6:45 pm, news, bedtime story, musical concerts. Wed 6-6:45 pm, concert, 9-10 pm, special concert, 2nd and 4th Wed of each month 11:30-12:30 pm, initiation The B. O. O. Sundodgers. Fri 6-6:45, concert; 9-10 pm, special concert. Sun 10 am, church services. Pacific standard time. Slogan: "The Paradise of Southern California."

KFHR—Star Elec. & Radio Co., 1637 Westlake Ave., Seattle, Wash. 240 meters, 1250 kilocycles, class A. Mon, Wed & Fri 4:30-5:30 and 6:30-7:30 pm. Tues & Thur 4:30-5:30 and 6:30-8:30 pm. Sat 4:30-8:30 pm. Sun 1-2 and 4:30-7:15 pm. Pacific coast time. Slogan: "The Voice of the Charmed Land."

KFHS—Clifford J. Dow, Lihue, Hawaii. 275 meters, 1090 kilocycles, class A.

KFHX—Robt. Nelson, Hutchinson, Kan. 229 meters, 1304 kilocycles, class A.

KFI—Los Angeles Examiner, Los Angeles, Cal. 485 meters, 620 kilocycles, class B. Daily ex Sun 5:15-5:45 pm, news bulletins; 9-10 pm, concert from Examiner; 10-11 pm, concert from Earl C. Anthony, Inc. Pacific standard time.

KFIB—Franklin W. Jenkins, St. Louis, Mo. 244 meters, 1230 kilocycles, class A.

KFID—Ross Arbuckle's Garage, Iola, Kan. 246 meters, 1220 kilocycles, class A. Daily 5:15-5:45 pm. Tues 9-10 pm. Central standard time. Slogan: "Where the Tall Sunflowers Grow."

KFIF—Benson Technical Student Body, Portland, Ore. 360 meters, 834 kilocycles, class C.

KFIK—Gladbrook Elec. Co., Gladbrook, Ia. 234 meters, 1280 kilocycles, class A.

KFIL—Windisch Elec. Farm Equip. Co., Louisburg, Kan. 234 meters, 1280 kilocycles, class A. Wed & Sat 8-10:30 pm. Sun 11-12 noon, church services. Central standard time.

KFIO—North Central High School, Spokane, Wash. 252 meters, 1190 kilocycles, class A.

KFIQ—Yakima Valley Broadcasting Association, Yakima, Wash. 242 meters, 1249 kilocycles, class A. Mon, Wed, Fri & Sat 7:30-8:30 pm. Sun 4-5 pm, music. Pacific standard time.

KFIU—Alaska Elec. Light & Power Co., Juneau, Alaska. 226 meters, 1330 kilocycles, class A. Mon, Wed & Fri 8-9 pm. Pacific coast time—one hour short. 8 o'clock Pacific coast time is 7 o'clock Alaska time.

KFIX—Reorganized Church of Jesus Christ, Independence, Kan. 240 meters, 1249 kilocycles, class A.

KFIY—Brotts Laboratories, Seattle, Wash. 231 meters, 1304 kilocycles, class A.

KFIZ—The Daily Commonwealth & O. A. Huelsman, Fond du Lac, Wis. 273 meters, 1100 kilocycles, class A. Daily ex Sun 5 pm. Central standard time.

KFJB—Marshall Elec. Co., 1603 W. Main St., Marshalltown, Ia. 248 meters, 1210 kilocycles, class A. Tues & Fri 8:30 pm. Central standard time. Slogan: "Marshalltown—the Heart of Iowa."

KFJC—Seattle Post-Intelligencer, Seattle, Wash. 270 meters, 1110 kilocycles, class A. Daily 3:30-4:30 pm, 8:30-10 pm. Pacific standard time. Slogan: "Hello Folks."

KFJD—Weld County Printing & Publ. Co., Greeley, Colo. 236 meters, 1270 kilocycles, class A. Temporarily discontinued.

KFJF—National Radio Mfg. Co., Oklahoma City, Okla. 252 meters, 1190 kilocycles, class A. Daily ex Sun 3-4 pm, concert; 6:30-7 pm, road bulletins, weather. Tues & Fri 8:30-10 pm, concert. Central standard time. Slogan: "Radio Headquarters."

KFJI—Liberty Theatre, Astoria, Ore. 252 meters, 1190 kilocycles, class A. Daily ex Sun 7-8 pm. Sun 9:30-10:30 pm. Pacific standard time.

KFJK—Delano Radio & Elec. Co., 407 No. Main St., Bristow, Okla. 233 meters, 1290 kilocycles, class A. Daily 3 pm. Thur & Sun 8 pm, music. Central standard time.

KFJL—Hardsocg Mfg. Co., Ottumwa, Ia. 242 meters, 1240 kilocycles, class A. Mon, Wed, Fri 7:30-8:30 pm. Central standard time. Slogan: "Boiled Bug Club."

KFJM—University of No. Dakota, Grand Forks, N. D. 280 meters, 1071 kilocycles, class A.

KFJR—Ashley C. Dixon & Son, Stevensville, Mont. 258 meters, 1160 kilocycles, class A. Fri & Sun 8:19 pm, concert. Mountain time. Slogan: "The Bitter Root Valley Broadcasting Station."

KFJV—Thomas H. Warren, Dexter, Ia. 224 meters, 1360 kilocycles, class A. Daily ex Sun 9:15, 10:25 am, 1:45 pm, weather, markets. Tues & Fri 8:30 pm, music. Central standard time.

KFJW—LeGrand Radio Co., Towanda, Kan. 226 meters, 1330 kilocycles, class A. Mon 8:45-10:15 pm, old time music. Wed 7-8 pm, latest phonograph records. Thur 8:45-10:15, Gillespey's Jazz Band. Sat 7-8 pm, lecture. Sun 7:30-9 services. Central standard time. Slogan: "The Smallest Tower in the U. S. with a Broadcasting Station."

KFJX—Iowa State Teachers College, Cedar Falls, Ia. 229 meters, 1304 kilocycles, class A.

KFJY—Tunwall Radio Co., 13 No. 10th St., Ft. Dodge, Ia. 246 meters, 1220 kilocycles, class A. Daily ex Sun 8:30, 9:30, 10:30, 11:30 am, 1 pm, market. Cash & call blds, 2:30 pm; news, 5:30 pm. Sun 11-12:20, church. Central standard time.

KFJZ—Headquarters Troop, 112th Cavalry, Texas Nat'l Guard, P. O. Box 184, Ft. Worth, Tex. 254 meters, 1190 kilocycles, class A. Sat & Wed 8:30-9:30 pm. Central standard time.

KFKA—Colorado State Teachers College, Greeley, Colo. 248 meters, 1210 kilocycles, class A.

KFKB—Brinkley-Jones Hospital Assn., Milford, Kan. 286 meters, 1071 kilocycles, class A. Daily ex Sun 10-12 midnight, music. Central standard time.

KFKH—Denver Park Amusement Co., Lakeside, Colo. 226 meters, 1330 kilocycles, class A.

KFKQ—Conway Radio Laboratories, Conway, Ark. 224 meters, 1340 kilocycles, class A. Tues & Fri 8 pm, music and entertainment. Central standard time. Slogan: "Known for Knowledge Quest."

KFKV—F. F. Gray, Butte, Mont. 283 meters, 1071 kilocycles, class A.

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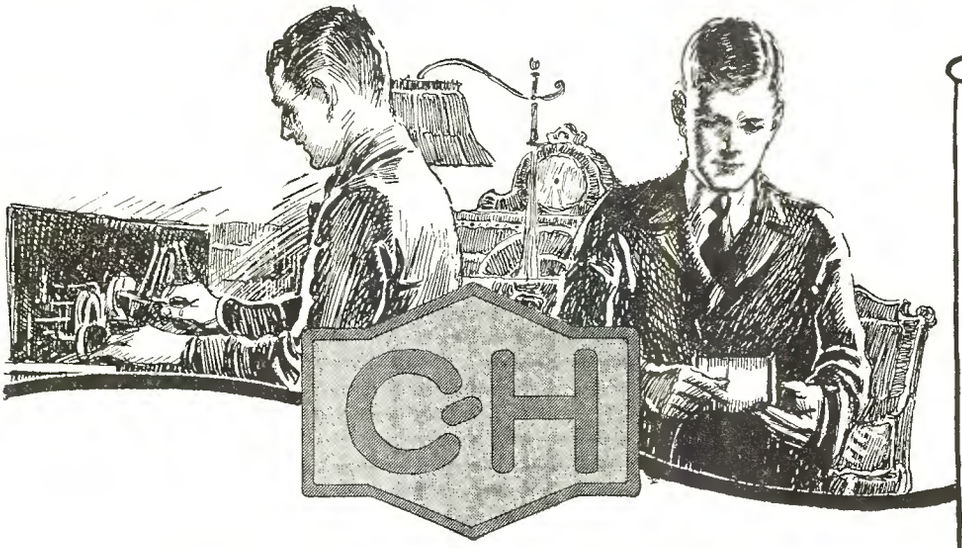

You Can Build With Confidence When You Demand This Trade Mark

Radio men of experience agree that more sets are ruined by careless buying than by careless construction. Most people take pains to see that diagrams are followed faithfully—that connections are tight—and instruments are properly placed. But this alone cannot assure results—the poor design of one single part can destroy the efficiency of the most elaborate set. Radio parts must be purchased with a knowledge of their maker—it is the only measure of their quality of which the average buyer can be certain.

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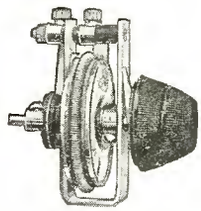

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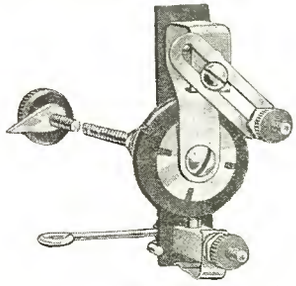
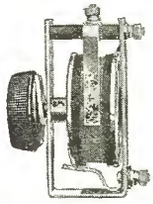
The C-H 125 Ohm Radio Rheostat
The rheostat that makes it possible to use a 6V storage cell with the UV199 or C299 tubes.



The C-H Variable Grid Leak
Mounted on the tube socket—panel controlled. Adjustable for all grid condensers.



The C-H Radio Potentiometer
The potentiometer with the resistance unit that does not wear and cannot be displaced under constant usage.

CUTLER HAMMER

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Telephone Broadcasting Stations for the United States—*Continued*

KFKX—Westinghouse Elec. & Mfg. Co., Hastings, Neb. 286 meters, 1120 kilocycles, class A. Mon & Thurs 9:30 pm. Special programs as announced. Central standard time.

KFKZ—Nassour Bros. Radio Co., 120 E. Pikes Peak Ave., Colorado Springs, Colo. 234 meters, 1280 kilocycles, class A. Daily 12-1 noon, 5-6 pm, music. Mountain time.

KFLA—Abner R. Willson, Butte, Mont. 283 meters, 1071 kilocycles, class A.

KFLB—Signal Elec. Mfg. Co., Box 75, Menominee, Mich. 218 meters, 1210 kilocycles, class A. Wed & Sat 8-10 pm. Central standard time.

KFLD—Paul E. Greenlaw, Franklinton, La. 234 meters, 1301 kilocycles, class A.

KFLE—National Educational Service, Inc., Denver, Colo. 268 meters, 1108 kilocycles, class A. Daily 7-7:30 pm. Mountain standard time. Slogan: "The Station with the Good Modulation."

KFLH—Erickson Radio Co., Inc., Salt Lake City, Utah. 261 meters, 1153 kilocycles, class A.

KFLP—E. M. Foster, 1212 S. 6th St., W., Cedar Rapids, Ia. 240 meters, 1249 kilocycles, class A.

KFLQ—Bizzell Radio Shop, Little Rock, Ark. 261 meters, 1150 kilocycles, class A. Mon 8-9:30 pm, music. Irregular schedule other nights. Sun 7:30-9, church services. Central standard time.

KFLR—University of New Mexico, Albuquerque, N. M. 254 meters, 1199 kilocycles, class A. Fri 8 pm. Mountain time.

KFLU—Rio Grande Radio Supply House, San Benito, Tex. 236 meters, 1225 kilocycles, class A.

KFLV—Rev. A. T. Frykman, 1503 Fourth Ave., Rockford, Ill. 229 meters, 1304 kilocycles, class A.

KFLW—Electric Supply Co., Missoula, Mont. 231 meters, 1304 kilocycles, class A.

KFLX—Geo. R. Clough, 1214—40th St., Galveston, Tex. 210 meters, 1249 kilocycles, class A. (Portable for Galveston only.)

KFLY—Fargo Radio Supply Co., Fargo, N. D. 231 meters, 1304 kilocycles, class A. Slogan: "Radio Satisfaction."

KFLZ—Atlantic Automobile Club, Atlantic, Ia. 273 meters, 1098 kilocycles, class A. Wed 8-10 pm, special programs as announced. Central standard time.

KFMB—Christian Churches, Little Rock, Ark. 254 meters, 1199 kilocycles, class A.

KFMQ—University of Arkansas, Fayetteville, Ark. 263 meters, 1153 kilocycles, class A. No definite schedule, station not yet complete.

KFMR—Morningside College, Sioux City, Ia. 261 meters, 1153 kilocycles, class A. No schedule at present. New station.

KFMS—Frelmuth Dept. Store, 10 Superior St., Duluth, Minn. 275 meters, 1100 kilocycles, class A.

KFMT—Dr. Geo. W. Young, 2219 N. Bryant Ave., Minneapolis, Minn. 231 meters, 1301 kilocycles, class A.

KFMU—Stevens Bros. Radio Laboratory, San Marcos, Tex. 240 meters, 1249 kilocycles, class A.

KFMW—M. G. Sateren, 127 Blancho St., Houghton, Mich. 226 meters, 1130 kilocycles, class A. Daily 12 noon news, market and music. Mon nights concert. Periodic eve programs. Sun 4 pm, stories, 5 pm, Sabath Day exercises. Central standard time. Slogan "The Copper Country Station—Houghton & Hancock, Michigan."

KFMX—Carleton College, Northfield, Minn. 283 meters, 1071 kilocycles, class A.

KFMY—Boy Scouts Dist. Coun., Long Beach, Cal. 229 meters, 1304 kilocycles, class A.

KFMZ—Roswell Broadcasting Club, Roswell, N. M. 250 meters, 1199 kilocycles, class A.

KFNC—Echo Park Evangelistic Assn., Inc., Los Angeles, Cal. 278 meters, 1070 kilocycles, class A.

KFNG—Wooten's Radio Shop, Coldwater, Miss. 254 meters, 1190 kilocycles, class A.

KFNH—State Teachers College, Springfield, Mo. 236 meters, 1260 kilocycles, class A.

KFNJ—Warrensburg Elec. Shop, 109 E. Pine St., Warrensburg, Mo. 284 meters, 1300 kilocycles, class A.

KFOA—The Rhodes Co., Seattle, Wash. 455 meters, 660 kilocycles, class B.

KGA—The Oakland Tribune, Oakland, Cal. 300 meters, 999 kilocycles, class A. Portable station, for news, boat races, football, etc. Pacific standard time.

KGB—Tacoma Ledger, Tacoma, Wash. 252 meters, 1199 kilocycles, class A. Mon, Wed & Fri 7-9 pm. Pacific standard time. Slogan: "Tacoma, The Lumber Capital of America."

KGG—Hallock & Watson, 192 Park St., Portland, Ore. 360 meters, 834 kilocycles, class C. Daily ex Sun 5:30-6 pm, music; 7:30-8 pm, press and police bulletins. Wed 9-10 pm, lectures. Sat 8-8:30 pm, radio instruction. Sun 9-10 pm, new phonograph releases. Pacific standard time. Slogan: "The Rose City."

KGN—Northwestern Radio Mfg. Co., Portland, Ore. 360 meters, 834 kilocycles, class C. Programs irregular.

KGO—General Elec. Co., Oakland, Cal. 312 meters, 967 kilocycles, class B.

KGU—The Honolulu Advertiser, Honolulu, Hawaii. 360 meters, 834 kilocycles, class C. Daily 7:30-9 pm. Tues, Thur, Sat, special program. 150th meridian time.

KGW—The Oregonian Publ. Co., Portland, Ore. 492 meters, 610 kilocycles, class B. Daily ex Sun 11:30 am, weather; 3:30-4 pm, (ex Sat & Sun) 8-9 pm, music. Mon, Tues, Wed, Thur & Sat, 10 pm, dance music. Fri 10:30 pm. Sun 6 pm, church services; 7 pm, concert. Pacific standard time. Slogan: "Keep Growing Wiser."

KGY—St. Martin's College, Lacey, Wash. 258 meters, 1150 kilocycles, class A. Sun, Tues, Fri, 8:30-9:30 pm, Pacific standard time. Slogan: "Out Where the Cedars Meet the Sea."

KHJ—The Times, Los Angeles, Cal. 395 meters, 760 kilocycles, class B. Daily ex Sun 12:30-1:15 pm, 2:30-3:30 pm, 6:45-7:30 pm, 8-12 pm. Fri 7-7:30 pm. Sun 10:30-11 am, 7-7:30 pm, organ recital. Pacific standard time.

KHQ—Louis Wasmer, Seattle, Wash. 360 meters, 834 kilocycles, class C.

KJQ—Gould, The Light Man, 615 E. Main St., Stockton, Cal. 273 meters, 1100 kilocycles, class A. Wed & Sat 9-11 pm, Sangmaster's Orchestra from the Granada Ball Room. Pacific time.

KJR—Northwest Radio Service, Seattle, Wash. 283 meters, 1070 kilocycles, class A. Daily ex Sun 5:30-6:15 pm. Mon, Wed & Thur 7:30-8:30 pm, music, bedtime stories and lectures. Pacific standard time.

KJS—Bible Inst. of Los Angeles, Cal. 360 meters, 834 kilocycles, class C. Tues & Thur 8-9 pm, lectures. Sun 11-12:30 pm, 6-6:45 pm, 8-9 pm, church services. Pacific standard time.

KLN—Monterey Elec. Shop, Del Monte, Cal. 261 meters, 1150 kilocycles, class A. Temporarily discontinued.

KLS—Warner Bros. Radio Supplies, 2201 Telegraph Ave., Oakland, Cal. 360 meters, 834 kilocycles, class C. Daily ex Sun 11:30 am to 1 pm. Sun 12 noon to 1 pm, Radio Church of America. Fri 8-9 pm, musical entertainment. Pacific standard time. Slogan: "Oakland, the City of Golden Opportunity."

KLX—The Oakland Tribune, Oakland, Cal. 509 meters, 586 kilocycles, class B. Daily ex Sun 7 pm, news; 7:30 pm, weather. Tues 8 pm, studio program. Wed 8 pm, talks on educational subjects from the University of California. Thur 8 pm, entertainment. Fri 8 pm, studio program. Other special programs as announced. Pacific standard time. Slogan: "Where Rail and Water Meet."

KLZ—The Reynolds Radio Co., Inc., Denver, Colo. 360 meters, 833 kilocycles, class C. Thur 8:15-9:30 pm. Sun 9-10:30 pm. Mountain time. Slogan: ""Tis a Privilege to Live in Colorado."

KMJ—San Joaquin Lt. & Power Corp., Fresno, Cal. 273 meters, 1110 kilocycles, class A. Sun, Tues & Fri 8-9 pm, concert. Pacific standard time.

KMO—Association Station, 732 Pacific Ave., Tacoma, Wash. 360 meters, 834 kilocycles, class C. Mon, Tues, Wed, Fri & Sat 6-7 pm, news and popular program; 9:15-10 pm, artist's program. Pacific standard time.

KNT—Grays Harbor Radio Co., Aberdeen, Wash. 263 meters, 1158 kilocycles, class A. Daily ex Sun 7-8 pm, concert. Pacific standard time.

KNV—Radio Supply Co., Los Angeles, Cal. 256 meters, 1199 kilocycles, class A.

KNX—Electric Lighting Sup. Co., Los Angeles, Cal. 360 meters, 834 kilocycles, class C. Mon 2:30 pm. Wed & Fri 3:15 pm, concert. Pacific standard time.

KOB—New Mexico College of Agriculture & Mechanic Arts, State College, N. M. 360 meters, 834 kilocycles, class C. Daily 9:55-10, 11:55-12 am, time signals; 10-10:15 am, 12-12:15 pm, weather reports. Mon, Wed & Fri 7:30-8:30 pm, concert, lecture, etc. Mountain time. Slogan: "Sunshine State."

KOP—Detroit Police Dept., Detroit, Mich. 286 meters, 1050 kilocycles, class A. Daily ex Sun 1 and 6:30 pm, police reports. Tues 12 midnight, music. Eastern standard time. Slogan: "Safety First."

KPO—Hale Bros., Inc., Market & Fifth Sts., San Francisco, Cal. 423 meters, 710 kilocycles, class B. Scripture reading at noon, daily ex Sun. Daily ex Sun and Sat 1-2 and 4:30-5:30 pm, Fairmont Hotel. Sat 1-2 pm, Fairmont, 3:30-5:30 pm, Palace Hotel, Tea Dansants. Sun church services, 11 am-12:15 pm. Sun 8:30-10 pm, orchestra. Mon & Thur 8-9 pm, studio and organ; 9-11 pm, orchestra. Tues 8-10 pm, studio; 10-11 pm, orchestra. Wed 8-9 pm, studio; 9-10 pm, orchestra. Sat 8 pm to midnight, dance orchestra. Mon & Wed 5:30 pm, children's half-hour stories. Pacific standard time. Slogan: "The City at the Golden Gate."

KQP—Apple City Radio Club, Hood River, Ore. 360 meters, 834 kilocycles, class C. Mon, Wed & Fri 6:30-7 pm. Wed 9-10 pm. Pacific standard time. Slogan: "The Home of the Hood River Apple."

KQT—Electric Power Appliance Co., Yakima, Wash. 360 meters, 834 kilocycles, class C.

KQV—Doubleday-Hill Elec. Co., Liberty Ave., Pittsburgh, Pa. 280 meters, 1070 kilocycles, class A, and 360 meters, 834 kilocycles class C. Daily ex Sun 11-11:30 am, music; 1-1:30 pm, music. Daily ex Sun & Sat 3:45-4:15 pm, music; 5-5:30 pm, music and special features for the "kiddies" and home. Mon, Wed & Fri 9-10 pm, artists' concerts. Special late hour broadcasts announced. No Sun programs unless announced. Eastern standard time.

KQW—The Herrold Laboratories, San Jose, Cal. 360 meters, 833 kilocycles, class C. Daily ex Sun 1-1:30 pm. Wed 8-9 pm. Pacific standard time. Slogan: "The Voice of the Garden City."

KRE—Berkeley Daily Gazette, Berkeley, Cal. 278 meters, 1310 kilocycles, class A. Mon & Wed 8-10 pm, music. Pacific standard time.

KSD—St. Louis Post-Dispatch, St. Louis, Mo. 546 meters, 550 kilocycles, class B. Daily 9:40 am, opening live stock, hog market; 10:40 am, livestock, grain, cotton, stock and bond markets, weather; 11:40 am, grain and hay market quotations; 12:40 pm, poultry, egg and butter quotations, weather; 4:40 pm, St. Louis closing grain prices; 2:40 pm, closing livestock reports; 4 pm, New York closing on cotton, news bulletins. Daily 8 pm ex Fri & Sat, music. Tues & Wed, midnight programs. Central standard time.

KSS—Prest & Dean Radio Elec. Co., Long Beach, Cal. 229 meters, 1310 kilocycles, class A. Schedule irregular.

KTW—First Presbyterian Church, Seattle, Wash. 360 meters, 834 kilocycles, class A. Sun 11-12:30, 3-4:30, 7:15-9:15 pm, church services. Pacific standard time.

KUO—The Examiner Printing Co., San Francisco, Cal. 360 meters, 833 kilocycles, class A. Daily ex Sat & Sun 9:05-9:20 am, weather, news; 11-11:30 am, market; 2:30-2:45 pm, sporting news; 3-3:05 pm, financial; 6-6:15 pm, football and sporting; 6:40 pm, weather. Thur 5:30-5:45 pm, health bulletin. Sat only 9:05-9:20 am, weather and news; 2:30-2:45 pm, sporting; 6-6:20 pm, sporting; 6:40 pm, weather. Sun only 9:05 am, weather; 6:40 pm, weather. Pacific standard time. Slogan: "The Voice of the West."

KUS—City Dye Works, Los Angeles, Cal. 360 meters, 834 kilocycles, class C.

KUY—Coast Radio Co., El Monte, Cal. 256 meters, 1190 kilocycles, class A.

KWG—Portable Wireless Tel. Co., Stockton, Cal. 360 meters, 834 kilocycles, class C. Daily from 4-5 pm. Tues & Fri 8-9 pm. Sun 2-3 pm. Pacific standard time.

KXD—Modesto Herald Publ. Co., Modesto, Cal. 252 meters, 1190 kilocycles, class A. Daily ex Sun & Mon 6:30-7 pm. Mon 7-9 pm. Sun 1-2 pm, church services. Pacific standard time.

KYQ—Electric Shop, Honolulu, Hawaii. 360 meters, 831 kilocycles, class C.

KYW—Westinghouse Station, Chicago, Ill. 536 meters, 560 kilocycles, class B. Musical programs Tues & Thur from 2:35-3 pm, and 8:30-9:30 pm. Wed & Sat 8-8:58 pm, and 10 pm to 2 am. Fri 10 pm to 2 am. Special talks Wed & Sat 9-9:30 pm. Church services Sun 11 am, 6:30 pm and 7 pm. "The World Crier" furnishes the latest news of the world, every half hour during the day and night. From 5 am to 5 pm bulletins are provided by the Chicago Evening American, Internat'l News Service and Cosmopolitan News Service, and from 5 pm to 5 am, provided by the Universal News Service in co-operation with the Herald and Examiner. Central standard time. Slogan: "The Twenty-four Hour Station."

KZM—Western Radio Institute, Oakland, Cal. 360 meters, 834 kilocycles, class C. Daily ex Sun 6:45-7 pm, news. Pacific standard time.

KZN—The Desert News, Salt Lake City, Utah. 360 meters, 834 kilocycles, class C. Daily ex Sun 8-9:30 pm, bedtime stories, concert. Mountain time. Slogan: "The Center of Scenic America."

KZV—Wenatchee Battery & Motor Co., Wenatchee, Wash. 360 meters, 834 kilocycles, class C. Daily ex Sun 3:30-4:15 pm, weather. Mon, Wed & Fri 8:45-9:30 pm, 1st to 15th of each month. Last half of month 8-8:45 pm. Sun, first half of month 7:30-9 pm, last half of month 11-12:30 pm, church services. Pacific standard time.

WAAB—Times-Picayune, New Orleans, La. 268 meters, 1120 kilocycles, Class A.

WAAC—Tulane University, Mechanics Institute, New Orleans, La. 360 meters, 834 kilocycles, class C. Fri 7:15-7:30 pm, 8-9:30 pm. Central standard time.

WAAD—Ohio Mechanics Institute, Cincinnati, O. 360 meters, 833 kilocycles, class C.

WAAF—Chicago Daily Drovers Journal, Chicago, Ill. 286 meters, 1050 kilocycles, class A. Daily ex Sun 8:40, 10:45 am, 12:45, 3, 4:30 pm, market. Weather, 10:30 am and 12:30 pm. Central standard time.

WAAM—I. R. Nelson Co., Bond St., Newark, N. J. 263 meters, 1140 kilocycles, class A. Mon, Tues, Wed, Thur, 8-10:30 pm. Eastern standard time.

WAAN—University of Missouri, Columbia, Mo. 254 meters, 1180 kilocycles, class A. Daily ex Sun 11:25 am, and 6:30 pm., weather reports. Central standard time.

WAAW—Omaha Grain Exchange, Omaha, Neb. 360 meters, 834 kilocycles, class C. Daily 9:45, 10:45, 11:15 am, 12:45, markets, 1:15 closing. Repeat 8 pm, ex Sat close at 12 noon. Tues & Thurs 7:45 pm, music. Central standard time. Slogan: "We are All Western."

WABA—Lake Forest University, Lake Forest, Ill. 226 meters, 1127 kilocycles, class A. Irregular schedule.

WABB—Dr. J. B. Lawrence, 2006 Market St., Harrisburg, Pa. 266 meters, 1150 kilocycles, class A. Mon, Tues, Thurs, Fri, 7:30 pm, Eastern standard time. Slogan: "Cover Harrisburg Like the Smoke."

WABC—Fulwider-Grimes Battery Co., Anderson, Ind. 229 meters, 1310 kilocycles, class A. Schedule irregular.

WABD—Parker High School, Dayton, Ohio. 283 meters, 1060 kilocycles, class A. Fri 7-8 pm. Central standard time.

WABE—Y. M. C. A., Washington, D. C. 283 meters, 1060 kilocycles, class A.

WABG—Arnold Edwards Piano Co., Jacksonville, Fla. 275 meters, 1110 kilocycles, class A. Daily ex Sun 4-5 pm, lectures, sporting. Tues & Thurs & Sat 8-9 pm, music. Eastern standard time.

WABH—Lake Shore Tire Co., Sandusky, Ohio. 240 meters, 1249 kilocycles, class A.

WABI—Bangor Railway & Elec. Co., Bangor, Me. 240 meters, 1249 kilocycles, class A.

WABJ—Radio Laboratories, South Bend, Ind. 240 meters, 1249 kilocycles, class A. Tues, Thurs & Sat 6:30-7:30 pm, music. Central standard time.

WABK—First Baptist Church, Worcester, Mass. 252 meters, 1190 kilocycles, class A. Sun 10:30-12 pm, church services. Eastern standard time.

WABL—Connecticut Agricultural College, Storrs, Conn. 283 meters, 1060 kilocycles, class A. Mon, Wed, Fri, market and weather reports, 8 pm. Eastern standard time.

WABM—Automotive & Radio Equip. Co., 901 Genesee Ave., Saginaw, Mich. 254 meters, 1180 kilocycles, class A. Daily ex Sun 10:15 am and 6 pm, eve concerts as announced. Central standard time.

WABN—Ott Radio, Inc., LaCrosse, Wis. 244 meters, 1229 kilocycles, class A. Daily 2-4 pm, 7-8 pm. Tues 10-11 pm, dance program. Friday 9:30-11 pm. Sun am, church services. Central standard time.

WABO—Lake Avenue Baptist Church, Rochester, N. Y. 252 meters, 1190 kilocycles, class A. Sun 10:30-12 pm, 7:30-9 pm, church services. Eastern standard time.

WABP—Robt. F. Welnig, 522 Wooster Ave., Dover, O. 266 meters, 1130 kilocycles, class A. Daily 7-11 pm, music. Sun 7:30 pm, church. Eastern standard time.

WABQ—Haverford College Radio Club, Haverford, Pa. 261 meters, 1153 kilocycles, class A. Tues 7:30-9:30 pm. Eastern standard time.

WABR—Jesup W. Scott High School, Toledo, O. 270 meters, 1110 kilocycles, class A. Schedule irregular.

WABS—Essex Mfg. Co., Newark, N. J. 244 meters, 1249 kilocycles, class A.

WABT—Holliday-Hall, George Washington Hotel, Washington, Pa. 252 meters, 1190 kilocycles, class B. Mon, Tue, Wed, Thurs, Fri 6-8 pm. Sat 10-12 pm. Sun 6:30-8:30 pm. Eastern standard time. Slogan: "Washington a Better Town."

WABU—Victor Talking Mach. Co., Point & Linden Sts., Camden, N. J. 226 meters, 1325 kilocycles, class A.

WABV—John H. DeWitt, Jr., 1812—15th Ave., S., Nashville, Tenn. 263 meters, 1153 kilocycles, class A.

WABW—The College of Wooster, Wooster, O. 234 meters, 1304 kilocycles, class A.

WABX—Henry B. Joy, 301 Lake Shore Dr., Grosse Pointe, Mich. 280 meters, 1070 kilocycles, class A.

WABY—J. Magaldi, Jr., Philadelphia, Pa. 242 meters, 1249 kilocycles, class A.

WABZ—Calleum Pl. Baptist Church, New Orleans, La. 263 meters, 1150 kilocycles, class A.

WAH—Skelly Oil Co., El Dorado, Kan. 1599 meters, private traffic only, no broadcasting.

WBAA—Purdue University, Lafayette, Ind. 360 meters, 833 kilocycles, class C. Mon & Fri 7:15 pm, lectures, news, contests, irregular schedule. Central standard time.

WBAD—Sterling Elec. Co., Minneapolis, Minn. 360 meters, 834 kilocycles, class C.

WBAH—The Dayton Co., Minneapolis, Minn. 417 meters, 725 kilocycles, class B. Daily 12:30-1:30 noon and 7-7:30 pm. Mon & Thurs 9:15-10.45 pm. Central standard time.

WBAK—Dept. of State Police, Harrisburg, Pa. 400 meters, 750 kilocycles, class B. Daily ex Sun 10:30 am, 1:30, 5:45 pm, police reports, markets, 12 midnight. Mon, Tues, Wed 7:30 pm. Eastern standard time.

WBAN—Wireless Phone Corp., 193 Ellison St., Paterson, N. J. 244 meters, 1250 kilocycles, class A. Daily 10 am to 1 pm, 2-6 pm, 8-11 pm. Eastern standard time. Slogan: "The Silk City of America."

WBAO—James Milliken University, Decatur College & Industrial School, Decatur, Ill. 360 meters, 833 kilocycles, class C. Schedule irregular.

WBAP—The Fort Worth, Texas, Star-Telegraph, Ft. Worth, Tex. 476 meters, 630 kilocycles, class B. Daily 10 11, 12 am, market, and weather 12:05-12:30 pm concert, 1, 2, 3, 4 pm, market, 7:30-8:30 pm, concert, 9:30-10:45 pm, concert. Sat 7 pm, Sunday school lesson and bible class. Sun 11 am, church services, 5-6 pm, vesper concert, 11-12 pm, concert. Central standard time.

WBAV—Erner & Hopkins Co., Columbus, O. 390 meters, 769 kilocycles, class B. Daily ex Sun 12:15-1 pm. Mon & Fri 8-10 pm. Sun 3-4 pm. Central standard time. Slogan: "We Broadcast a Variety."

WBAW—Edw. Manley, Marietta College, Marietta, O. 246 meters, 1170 kilocycles, class A.

WBAX—John H. Stenger, Jr., Wilkes-Barre, Pa. 360 meters, 833 kilocycles, class C. Schedule irregular.

WBAY—Western Elec. Co., New York City, N. Y. 492 meters, 611 kilocycles, class B.

WBBA—Newark Radio Lab., Newark, O. 240 meters, 1249 kilocycles, class A. Daily ex Sat & Sun 6:30-7:30 pm. Sun 1:30-4 pm. Eastern standard time. Slogan: "The City in the Valley."

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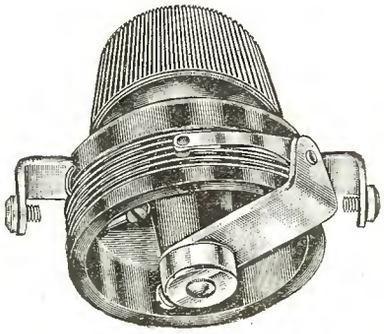
until you've heard a Unity bring 'em in

One of Canada's greatest newspaper men wrote us saying that he had found the Unity Vernier rheostat superior to all others he had tried.

Whenever the Unity is compared with ordinary rheostats our product makes an enthusiastic and lasting friend. When you buy a Unity you take no chances. If it doesn't live up to claims made for it your money will be refunded. There is no other resistance control in the same class with our



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A single wire followed its entire length by a contact, permits the most infinitesimal variation in resistance. A cut-out switch on the shaft operates without change of adjustment. A critical adjustment may be maintained with the tube completely shut off.

6 Ohms for most tubes

25 Ohms

for 201-A and 301-A tubes

40 Ohms

for 199 and 299 Tubes

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Telephone Broadcasting Stations for the United States—*Continued*

WBBD—Barbey Battery Service, Reading, Pa. 234 meters, 1304 kilocycles, class A.

WBBE—Alfred R. Marcy, 113 W. Raynor Ave., Syracuse, N. Y. 246 meters, 1220 kilocycles, class A.

WBBF—School of Technology, Atlanta, Ga. 270 meters, 1110 kilocycles, class A.

WBBC—I. Vermilya, Mattapoisett, Mass. 240 meters, 1249 kilocycles, class A.

WBBH—John J. Bell, 1511 Gordon St., Port Huron, Mich. 246 meters, 1220 kilocycles, class A.

WBBI—The Indianapolis Radio Club, Indianapolis, Ind. 234 meters, 1304 kilocycles, class A.

WBL—T & H Radio Co., Anthony, Kan. 261 meters, 1150 kilocycles, class A. Mon & Fri 8-9 pm, concert. Sun 10 am, Central standard time.

WBS—D. W. May, Inc., Newark, N. J. 360 meters, 834 kilocycles, class C. Daily ex Sun 11-12 pm, 1-2:15 pm, music. Tues, Thurs & Fri 7:30-9:30 pm, concert. Eastern standard time.

WBT—Southern Radio Corp., Charlotte, No. Car. 360 meters, 834 kilocycles, class C. Daily ex Sun 11 am, weather, 12 noon and 5 pm, concert, 8 pm, market and weather. Tues 8:30 pm, music. Fri 11 pm, concert. Sun 8 pm, church services. Eastern standard time. Slogan: "The Queen City of the South."

WBZ—Westinghouse Elec. & Mfg. Co., 82 Worthington St., Springfield, Mass. 337 meters, 890 kilocycles, class B. Sun 11 am, church services, 6:45 pm, vespers on chimes, 8:30 pm, chapel services. Mon 6 pm, concert; 7 pm, lectures; 7:30 pm, bedtimo story; 8 pm, music; 10 pm, time signal. Tues & Thurs 7 pm, lecture; 7:30 bedtime story; 8 pm, music; 10 pm, time signal. Wed & Fri 6 pm, dinner concert; 7 pm, lecture; 7:30 pm, bedtimo story; 10 pm, time signal; 11 pm, music. Sat 7 pm, dinner concert; 7:30 pm, bedtime story; 8 pm, concert. Eastern standard time.

WCAD—St. Lawrence University, Canton, N. Y. 280 meters, 1070 kilocycles, class A. Daily 11 am, weather. Wed 8:30 pm. Eastern standard time. Slogan: "The Voice from the North Country."

WCAE—The Pittsburgh Press, and the Kaufmann & Baer Co., Pittsburgh, Pa. 462 meters, 450 kilocycles, class B. Daily ex Sat 12:30 pm, weather and news; 3:30 pm, news; 4:30 pm, closing stock reports; 6:30 pm, dinner concert; 8:30 pm, news, specials; 11 pm, special late program. Wed 3:30 pm, piano recital. Eastern standard time. Slogan: "The Workshop of the World."

WCAG—Clyde R. Randall, New Orleans, La. 268 meters, 1110 kilocycles, class A. Mon & Thurs 8-9 pm. Dance program Mon. Popular program Thurs. Central standard time. Slogan: "The Little Noise from New Orleans."

WCAH—Entrekin Elec. Co., 321 W. 10th Ave., Columbus, O. 286 meters, 1068 kilocycles, class A. Daily 11:30-12:30. Tues 8-10:30 pm. Sat 12 pm to 2:30 am. Eastern standard time. Slogan: "The Heart of Ohio."

WCAJ—Nebraska Wesleyan University, University Place, Neb. 360 meters, 833 kilocycles, class C. Weather and news, 10:30 daily. Children's hour, Tues 7 pm. Music, lectures, Thurs 8 pm. Central standard time.

WCAK—Alfred P. Daniel, Houston, Tex. 263 meters, 1154 kilocycles, class A. Wed 7-9 pm. Sun 3-5 pm. Central standard time. Slogan: "Where 18 Railroads Meet the Sea."

WCAL—St. Olaf College, Dept. of Physics, Northfield, Minn. 360 meters, 833 kilocycles, class C. Sun 11 am, church service 8:30 pm, music, sermon. Thurs 9 pm, music. Fri 8:30 pm, book talks. Sat 12 pm, music. Central standard time. Slogan: "At St. Olaf, the College on the Hill."

WCAM—Villanova College, Villanova, Pa. 360 meters, 834 kilocycles, class C.

WCAD—The Sanders & Stayman Co., 319 N. Charles St., Baltimore, Md. 360 meters, 833 kilocycles, class C. Daily 11:55 am, Arlington time signal; 12 noon, weather; 12:05 pm, music. Mon & Wed 8 pm. Eastern standard time.

WCAP—Chesapeake & Potomac Telephone Co., 725—13th St., N. W., Washington, D. C. 469 meters, 637 kilocycles, class B. Tues & Sat 7:30 pm, joint program with WEAF. Sun 11 am, church services; 4 pm, 7:20 pm to 9 pm, 9-10 pm, joint program with WEAF. Thurs 7:30-12 pm and Sat 10-12 pm, direct WCAP. Eastern standard time.

WCAR—Alamo Radio Elec. Co., San Antonio, Tex. 360 meters, 834 kilocycles, class C. Mon, Thurs & Sat 8:30-9:30 pm, concert. Central standard time.

WCAS—The William Hood Dunwoody Industrial Institute, Minneapolis, Minn. 246 meters, 1220 kilocycles, class A. Mon 7-7:30, music and technical subjects. Tues 8:15-9:30, music and educational program, 9:30-10:15 on alternate weeks. Wed 6:30-7, musical numbers and technical lectures. Thurs 7-7:30, notes on radio and code practice. Central standard time. Slogan: "The Flour City of the World."

WCAT—South Dakota School of Mines, Rapid City, S. Dak. 240 meters, 1249 kilocycles, class A. Daily ex Sun 9:30 am, 12:30 pm, weather. Wed 7:15 pm, concert. Mountain time.

WCAU—Durlham & Co., Inc., 1936 Market St., Philadelphia, Pa. 286 meters, 1050 kilocycles, class C. Daily 5:45 pm. Sun 4, 5, 6-8 pm. Eastern standard time.

WCAV—Dice Electric Co., Little Rock, Ark. 360 meters, 834 kilocycles, class C. Tues 8:30 pm. Central standard time.

WCAX—University of Vermont, Burlington, Vt. 360 meters, 834 kilocycles, class C.

WCAY—Kesselman-O'Driscoll Music House, Milwaukee, Wis. 261 meters, 1150 kilocycles, class A. Mon, Tues, Thurs, Fri 8:30-9:30, concert. Tues 10:30-11:30 pm, dance music. Sun 7:30-9 pm, church services. Central standard time.

WCAZ—Carthage College, College St., Carthage, Ill. 246 meters, 1190 kilocycles, class A. Wed 9-10 pm, music. Special program as announced. Central standard time.

WCBA—Chas. W. Heimbach, Camegraph & Radio Repair Shop, Allentown, Pa. 280 meters, 1071 kilocycles, class A. Sun 3:30-5 pm. Mon 8-9 pm. Wed 7:30-10 pm. Sat 3-4 pm. Eastern standard time. Slogan: "Sunshine Jollers."

WCBC—University of Michigan, Dept. of Elec. Engineering, Ann Arbor, Mich. 280 meters, 1071 kilocycles, class A.

WCBD—Wilbur Glenn Voliva, Zion, Ill. 345 meters, 870 kilocycles, class B. Mon & Fri 8 pm, concert. Wed & Fri 2:30-3:45 pm, sacred solos and duets. Sun 9-10:45 am, Bible school, and 2:30-5:30 pm, special services and music. Central standard time. Slogan: "Where God Rules, Man Prospers."

WCK—Stix Baer & Fuller, St. Louis, Mo. 360 meters, 833 kilocycles, class C. Daily 12:10-12:40, 3-3:30 pm. Mon, Wed, Fri 7-8 pm. Central standard time.

WCM—University of Texas, Austin, Tex. 360 meters, 834 kilocycles, class C.

WCX—Detroit Free Press, Detroit, Mich. 517 meters, 580 kilocycles, class B. Daily ex Sun 2 pm, news 2:15, markets. (ex Sat) 2:20 (Thurs only). Sun School lesson review, 2:50 pm, weather, 4:15 matinee concert, 6 pm, dinner concert. Mon, Wed, Thurs & Fri 7-8:30 pm, alternate weeks, 8:30-10 pm, alternate weeks. Tues 10-12 pm, The Red Apple Club. Sun 10:30 am & 4 pm, alternate weeks, 2:30 and 7:15 pm, alternate weeks. Eastern standard time. Slogan "The Call of the Motor City".

WDAE—Tampa Daily Times, Tampa, Fla. 360 meters, 834 kilocycles, class C.

WDAF—The Kansas City Star, Kansas City, Mo. 411 meters, 730 kilocycles, class B. Mon, Wed, Fri 8-9:30 pm, concert. Daily ex Sun 3:30-4:30 pm, concert. Sun 4-5 pm. Daily ex Sun 5:55-6 pm, marketgrams and weather. Daily ex Sun 6-7 pm, educational features and music. Daily ex Sun 11:45 pm to 1 am, Hotel Muehlebach orchestra. Central standard time. Slogans: "Whole Darn American Family" and "The Nighthawk Station."

WDAG—J. Laurance Martin, Amarillo, Tex. 263 meters, 1140 kilocycles, class A. Tues & Thurs 8 pm to 1 am, musical program. Central standard time. Slogan: "Where Dollars Always Grow."

WDAH—Trinity Methodist Church, So. El Paso, Tex. 268 meters, 1120 kilocycles, class A. Mon & Thurs 7:30-8:30 pm, concerts, orchestra, Hawkins Night Hawks. Sun 11 am and 7:15 pm, church services. Mountain time. Slogan: "The Climatic Capital of America."

WDAK—The Hartford Courant, Hartford, Conn. 269 meters, 1110 kilocycles, class A. Sat 7-10 pm. Eastern standard time. Slogan: "The Oldest Paper in America."

WDAL—Florida Times Union, Jacksonville, Fla. 360 meters, 834 kilocycles, class C. Daily 11 am, weather; 4-5, 6-7 pm, concert; 8-9 pm, entertainment; 9:30 pm, reports. Sat 12-1 am, "The Midnight Aggravators." Eastern standard time.

WDAM—Western Elec. Co., New York City, N. Y. 360 meters, 834 kilocycles, class C.

WDAD—Automotive Elec. Co., Dallas, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 1-1:45 pm, 7:15-8 pm. Central standard time.

WDAP—Drake Hotel, Chicago. 360 meters, 833 kilocycles, class C. Daily ex Sun 9:34 am, hog market; 10:01 am, grain quotations, weather; 10:31 am, grain quotations; 11:01 am, grain; 11:31 am, grain and hog market; 12:01 pm, grain quotations; 12:31 pm, grain and closing hog market; 1:01 pm, grain quotations; 1:25 pm, closing quotations (Sat the closing prices are broadcast at 12:05 pm.); 3:12 pm, time signals; 3:15 pm, closing stock exchange; 5:57 pm, time signals; 6 pm, markets, health; 10:30 pm, closing quotations for day (ex Mon). Daily ex Sun 1:35 pm, luncheon concert; 7 pm, dinner concert; 10:57 pm, time signals. Daily ex Sun & Mon 10 pm, orchestra. Sun only 9:15 pm, special program. Central standard time.

WDAR—Lit Bros. Department Store, Philadelphia, Pa. 395 meters, 760 kilocycles, class B. Daily 12-1, 2-3, 4:30-6, 7:30-8 pm. Mon & Wed 8-11 pm. Fri 8 pm to 1 am. Eastern standard time. Slogan: "The Quaker City Siren."

WDAS—Samuel A. Waite, Worcester, Mass. 360 meters, 834 kilocycles, class C.

WDAU—Slocum & Kilburn, New Bedford, Mass. 360 meters, 834 kilocycles, class C.

WDAX—First Nat'l. Bank, Centerville, Iowa. 268 meters, 1110 kilocycles, class A.

WDAY—Radio Equipment Corp., 117 N. Broadway, Fargo N. Dak. 244 meters, 1250 kilocycles, class B. Daily ex Sun 9:30 am, weather. Tues, Thurs, Sat 7:30 pm, music. Sun 10:30 am, church services. 4:00 pm, music. Central standard time. Slogan: "Fargo—The Biggest Little City in the World."

WDBC—Kirk Johnson Co., 16 W. King St., Lancaster, Pa. 258 meters, 1160 kilocycles, class A. Mon, Tues & Thurs 8 pm. Eastern standard time.

WDZ—James L. Bush, Tuscola, Ill. 278 meters, 1082 kilocycles, class A. Daily ex Sun 9:30, 10, 10:30, 11, 11:30 am, 12 noon, 12:30 pm, 1, 1:15 pm, live stock quotations. Musical programs irregular. Central standard time.

WEAA—Frank D. Fallain, Flint, Mich. 280 meters, 1070 kilocycles, class A. Daily 7:13 pm, police broadcasts and music. Special broadcasts on Public Safety, etc. Eastern standard time. Slogan: "The Vehicle City."

WEAF—American Telephone & Telegraph Co., 195 Broadway, New York City, N. Y. 492 meters, 610 kilocycles, class B. Tues to Fri inclusive 11-12 am. Mon to Sat incl. 4-5:30 pm. Mon, Tues, Wed & Fri 7:30-10 pm. Thurs 7-12 pm. Sat 7:30-12 pm. Sun 2:45-5:30 and 7:20-10 pm. Eastern standard time. Slogan: "The Voice of the Millions."

WEAH—Wichita Board of Trade, Chamber of Commerce, Wichita, Kan. 280 meters, 1071 kilocycles, class A. Daily ex Sun 9:40 am, 10, 11 am, 12 noon, 1 pm, 2 pm, market reports and weather forecasts; 6-6:15 pm, late news flashes; 6:15-6:30 pm, bedtimo stories, health and educational talks. Tues & Fri, musical programs, 6:30-7 pm. Wed 12 pm to 1 am, "Midnight Jokers Club." Sun 6-7 pm, church services. Central standard time. Slogans: "The Peerless Princess of the Plains" and "The Bread Basket of the World."

WEAI—Cornell University, Ithaca, N. Y. 286 meters, 1068 kilocycles, class A. Schedules irregular.

WEAJ—University of South Dakota, Vermillion, S. Dak. 283 meters, 1080 kilocycles, class A. Mon & Fri 8:15 pm. Athletic contests and games, also other public events, broadcast at irregular times. Central standard time. Slogan: "South Dakota 'U' for South Dakotans."

WEAM—Mayor W. L. Smalley, North Plainfield, N. J. 252 meters, 1199 kilocycles, class A. Schedule irregular.

WEAN—The Shepard Stores, Providence, R. I. 273 meters, 1110 kilocycles, class A. Mon 6-7, 8-10 pm. Tues 12-1, 4-5, 8-10 pm. Wed 12-1, 4-5, 6-7 pm. Thurs 12-1, 4-5, 8-10 pm. Fri 12-1, 4-5, 7-8 pm. Sat 12-1, 4-5, 8-11 pm. Sun 10:45-12 noon, 7:30-8:45 pm. Eastern standard time.

WEAD—Ohio State University, Columbus, O. 360 meters, 834 kilocycles, class C. Daily ex Sun 1:30 pm. Wed & Fri 4 pm. Thurs 8-10 pm, concert. Central standard time.

WEAP—Mobile Radio Co., Mobile, Ala. 360 meters, 834 kilocycles, class C. Daily ex Sun 4-5 pm, concert. Daily ex Sun & Mon 7:45-8:45 pm. Sun 3-3:30 pm, church services. Eastern standard time.

WEAR—Baltimore American & News, Munsey Bldg., Baltimore, Md. 360 meters, 834 kilocycles, class C. Tues, Thurs & Fri 7-10 pm, music and weather. Eastern standard time.

WEAS—Hecht Co., Washington, D. C. 360 meters, 834 kilocycles, class C.

WEAU—Davidson Bros. Co., Sioux City, Iowa. 360 meters, 833 kilocycles, class C. Daily 10-11 am, opening grain and livestock quotations, weather, news items; 12:30-1 pm, music furnished by Louis Gearen and his tea room orchestra, playing in Davidson's Tea Room; 2-5 pm, closing grain and livestock summary of the day; 6-7 pm, music from the dining room of the Martin Hotel. Mon & Fri evenings, special concert from 8-9:30 pm. Sun eve 7 pm, services from the First Methodist church. Central standard time. Slogan: "The Heart of the Corn Belt."

WEAY—Iris Theatre, Travis St., Houston, Tex. 360 meters, 834 kilocycles, class A. Daily ex Sun 11-11:15 am, 12-1 noon, 2:30-3:30, 6-6:15 pm. Sun 11-12 am. Sun, Fri, Sat 8-10 pm. Central standard time. Slogan: "Where 18 Railroads Meet the Sea."

WEB—The Benwood Co., St. Louis, Mo. 360 meters, 834 kilocycles, class C. Tues 9-10:30 pm. Wed 8-9:30 pm. Sat 7:30-9 pm, 11 pm to 1 am. Central standard time.

WEH—Skelly Oil Co., Tulsa, Okla. 1599 meters, private traffic, no broadcasting.

WEV—Hurlburt-Still Elec. Co., 1201 McKinney Ave., Houston, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 10-10:30 am, weather; 5:30-6 pm, weather and market reports. Tues & Thurs 8-10 pm, concert. Central standard time. Slogan: "Heavenly Houston."

WEW—St. Louis University, University Sta., St. Louis, Mo. 261 meters, 1150 kilocycles, class A. Daily 9-10:00 am. 2-5 pm, market, weather, Government reports, lectures. Central standard time.

WFAA—The Dallas News & Journal, Dallas, Tex. 376 meters, 630 kilocycles, class B. Daily 10:30-10:55 am, weather, bulletins, markets; 12:30-1 pm, lecture, etc.; 2:30-3 pm, stock markets, news, reports; 3:30-4 pm, health bulletins (Tues & Fri), markets, news, baseball; 4:30-5 pm, news and baseball; 5:30-6 pm, household hints; 6:15-6:30 pm, bedtime story; 6:45-7 pm, baseball finals; 8:30-9:30 pm, concert, weather. Wed, same as daily, also 6:45-7 pm, 9:30-9:31 pm, weather. Sun 2:30-3:30 pm, bible class; 6:45-7 pm, baseball finals; 9:30-11 pm, weather, concert. Tues & Sat, same as daily, also 11 pm to 12 midnight, concert. Central standard time. Slogan: "Working for All Alike."

WFAB—C. F. Woese, 202 McBride St., Syracuse, N. Y. 234 meters, 1280 kilocycles, class A. Sun 9-11 pm. Wed 8-11 pm. Eastern standard time.

WFAF—H. C. Spratley, Poughkeepsie, N. Y. 273 meters, 1130 kilocycles, class A.

WFAH—The Electric Sup. Co., Port Arthur, Tex. 236 meters, 1200 kilocycles, class A. Mon, Wed & Sat 9-10 pm, musical entertainment. Central standard time. Slogan: "Largest Oil Refining Center in the World."

WFAJ—Hi-Grade Wireless Instrument Co., Asheville, N. C. 250 meters, 1199 kilocycles, class A.

WFAM—Times Publ. Co., St. Cloud, Minn. 360 meters, 834 kilocycles, class C. Daily ex Sun 3:30-4 pm, markets. Mon & Wed 7:30-9 pm, concert. Central standard time.

WFAN—Hutchinson Elec. Serv. Co., Hutchinson, Minn. 360 meters, 834 kilocycles, class C. Daily ex Sun 11:55-12:30 noon, news, time, weather. Tues 8-10 pm, concert. Central standard time. Slogan: "The Gateway to the Ten Thousand Lakes of Minnesota."

WFAQ—Missouri Wesleyan College, Cameron, Mo. 360 meters, 834 kilocycles, class C.

WFAT—Columbus College Broadcasting Station, 22 West St., Sioux Falls, S. Dak. 360 meters, 834 kilocycles, class C. Wed & Sun 8-9 pm. Central standard time.

WFAV—University of Nebraska, Lincoln, Neb. 275 meters, 1090 kilocycles, class A. Daily 10 am and 12:40 pm, weather. Wed 8:30 pm, concert. Central standard time. Slogan: "The Home of the Cornhuskers."

WFI—Strawbridge & Clothier, Market, 8th & Filbert Sts., Philadelphia, Pa. 396 meters, 760 kilocycles, class B. Daily ex Sun 10:15 am, produce market and live stock; 1 pm, Stratford Hotel orchestra; 1:50 pm, agriculture reports; 3 pm, concert; 6 pm, bedtime stories; 6:30 pm, Stratford Hotel orchestra. Tues 8 pm, concert. Thurs 8 pm, Boy Scout Radio Corps; 8:30 pm, popular music. Sat 8-10 pm, concert. Sun, alternating, 10:30 am and 7:30 pm, church services; 4:30 pm, chapel services. Eastern standard time.

WCAL—Lancaster Elec. Sup. & Construction Co., Lancaster, Pa. 248 meters, 1210 kilocycles, class A. Mon, Wed, Fri 7:30-9 pm, concert. Sun 3-3:30 pm, church service. Eastern standard time. Slogan: "The Garden Spot of the U. S. A."

WCAN—C. E. Lloyd, Pensacola, Fla. 360 meters, 834 kilocycles, class C.

WCAQ—Glenwood Radio Corp., Shreveport, La. 360 meters, 834 kilocycles, class C. Daily ex Sun 12:30-1:30 pm; 6:30-7:30 pm, concert. Sun 11 am, 7:30 pm, church services. Central standard time.

WGAW—Albright's Radio Store, 905 Twenty-fourth St., Altoona, Pa. 261 meters, 1150 kilocycles, class A. Wed 9 pm, Sat 11 pm, Sun 10:45 am, and 7:30 pm. Eastern standard time. Slogan: "Home of the World's Largest Railroad Shops."

WGAY—North Western Radio Co., Madison, Wis. 360 meters, 834 kilocycles, class C. Daily ex Sun 10 am, weather; 4:30 pm, news. Mon & Thurs 8:30 pm, concert. Sun 3 pm, concert. Central standard time.

WGAZ—South Bend Tribune, South Bend, Ind. 360 meters, 834 kilocycles, class C. Daily ex Sun 9:30 am, household hints; 5-5:30 pm, concert. Mon, Wed & Fri 7-8 pm, concert. Central standard time.

WGI—The American Radio & Research Corp., Medford Hillside, Mass. 360 meters, 833 kilocycles, class C. Daily ex Sat & Sun 12 am to 1 pm. Tues & Fri 3-4 pm. Tues & Thurs 7-8:30 pm. Wed, Fri, Sat, 7:30-9 pm. Sun 4-5 pm, 8:30-10 pm. Eastern standard time. Slogan: "Amrad, the Voice of the Air."

WGL—T. J. Howlett, 2303 N. Broad St., Philadelphia, Pa. 360 meters, 834 kilocycles, class C.

WGR—Federal Tel. & Tel. Co., Hotel Statler, Buffalo, N. Y. 319 meters, 940 kilocycles, class B. Daily 10:45 am, weather; 12 noon, market and live stock; 12:30 pm, organ dining room; 2:30 pm, closing prices Chicago Board of Trade; 3:30 pm, closing prices N. Y. Stock Exchange; 6:30 pm, orchestra; 7:30 pm, bulletins and news; 8:45 pm, Fri, road reports; 9 pm Mon, Wed & Fri, concert; 11 pm Mon, Wed & Fri, orchestra; 3 pm and 4 pm Sun, organ. No reports ex weather, on Sat & Sun. Eastern standard time. Slogan: "The Key City of Industry."

WGV—Interstate Elec. Co., New Orleans, La. 240 meters, 1249 kilocycles, class A. Discontinued, but expect to start in two months. Slogan: "Where the Mighty Mississippi Makes a Crescent Near the Gulf."

WGY—General Elec. Co., Schenectady, N. Y. 380 meters, 790 kilocycles, class B. Daily ex Sat & Sun 12:40 pm, fruit & vegetable reports; 6 pm, closing stock quotations; 6:10, produce market report; 6:20, news bulletins. Daily ex Sun 11:55 am, Arlintgon time signals; 12:30 pm, stock quotations; 12:50 pm, weather. Mon, Tues, Thurs, Fri 2 pm, music and talks to women; 7:45 pm, regular program; Fri only 6:30 pm, Children's stories; 7:45 pm, health talks; 10:30 pm, late program. Daily ex Wed, Sat & Sun 9:55 pm, Arlington time signals. Sat only 10 pm, dance program. Sun morning services 10:30 or 11 am, evening services 7:30 or 8 pm. Eastern standard time.

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DX Reception Best Accomplished with Kellogg Radio Equipment —Volume, Clarity, Selectivity and Distance

HEAD SETS

No. 69A

Kellogg headsets are the result of over 25 years of experience in telephone manufacture. Made of Kellogg Bakelite. Light in weight; small in size, extremely sensitive.

No. 69A 2400 ohms. List, $10.00
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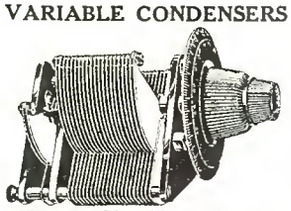
VARIABLE CONDENSERS



No. 605. Variable Condenser

Decremeter type. Standard capacities. Dial can be correctly calibrated with this condenser. Amount of increase or decrease of the plate surface variation always constant.

With vernier, knob and 4" dial.

No. 601 11 plate. List.....$6.75
No. 603 23 plate. List..... 7.75
No. 605 43 plate. List..... 8.75

Without venier, less knob and dial.

No. 602 11 plate. List.....$4.50
No. 604 23 plate. List..... 5.50
No. 606 43 plate. List..... 6.50
No. 608 5 plate. List..... 3.50

RHEOSTATS

No. 501

Sharp, cleancut adjustment of the filament current, free from all distortion and noises, assured by use of Kellogg rheostats. Operates on the half turn of the resistance element.

No. 501 6 ohms. List.....$1.50
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Pc. No. 46045 25 ohm rotor, List ..... .90

MICROPHONES

Kellogg microphones have proved to be the best on the market. Exceptionally reliable.

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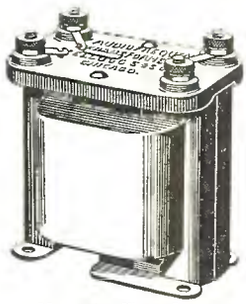
TRANSFORMERS



No. 501. Transformer

Kellogg audio frequency transformers overcome the defects of all other makes and deliver the very best amplification with minimum distortion.

No. 501 ratio 4½ to 1. List....$4.50
No. 502 ratio 3½ to 1. List.... 4.50

GOLDEN TONE REPRODUCERS

No. 552

Kellogg reproducers are of unusual merit. Developed for each of the three qualities—straight line projection, soft broad tone music and considerable volume. Special Kellogg receivers, 2500 ohms, fit in base.

No. 550. List..$12.00
No. 551. List.. 18.00
No. 552. List.. 25.00

DIALS

No. 502

Made of Kellogg molded Bakelite of reinforced construction. Calibrations accurate and clearly marked. Knob shaped and corrugated to fit fingers.

No. 501 3 in. List.....$1.00
No. 502 4 in. List..... 1.25

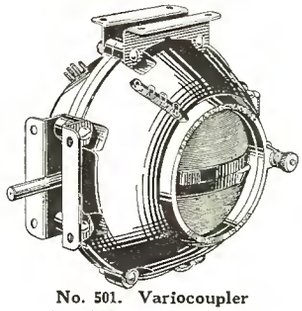
INDUCTANCE SWITCHES

No. 545

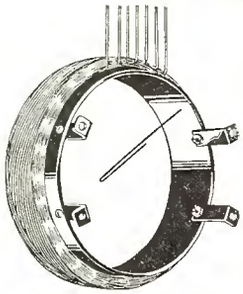
The arm mounts securely on the rotating shaft and extends 1 3/32 inches, the end being turned down to make contact with switch points.

No. 545 List.....$0.75

VARIOCOUPLERS



No. 501. Variocoupler

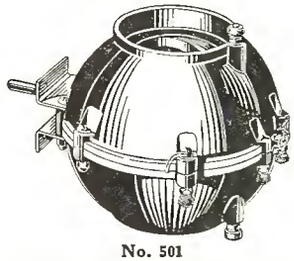


No. 502. Tuner Coil

Kellogg variocoupler stator and rotor shells are of heavy construction formed of pure Bakelite. No sliding contacts. High induction, low distributed capacity. By adding the diamond wound coil the inductance is increased to 2500 meters.

No. 501 Variocoupler. List.....$9.00
No. 502 Tuner Coil. List..... 3.00
No. 502 Variocoupler and coil List, ... $13.00

VARIOMETERS

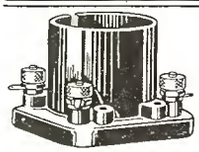


No. 501

Of the same standard design as our variocoupler. For the short and medium wave combination use Kellogg variometers and variocouplers, they are designed to work together.

No. 501 List.....$8.00

TUBE SOCKETS



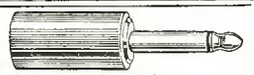
No. 2

Kellogg molded Bakelite lamp sockets fit all standard four-prong based vacuum tubes for radio work.

No. 2 List.....$0.75

PLUGS

Will last indefinitely.



No. 501S

No. 501-S List.....$1.00

The Kellogg Company also manufacture fixed condensers, choke coils, cords, contact, stops, binding posts, mountings, jacks, etc.

With Kellogg radio apparatus, Use—Is The Test.

Write for our illustrated catalog No. 53. Address Dept. R.

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Telephone Broadcasting Stations for the United Stations—*Continued*

WHA—University of Wisconsin, Dept. of Physics, Madison, Wis. 360 meters, 834 kilocycles, class C. Mon, Wed, Fri 7:30-8:15 pm, educational and agricultural lectures. Special programs as announced. Central standard time.

WHAA—State University of Iowa, Iowa City, Iowa. 283 meters, 1071 kilocycles, class A.

WHAB—Clark W. Thompson Co., Galveston, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 9:45, weather; 10:55 am, time signals; 3:30 pm, stocks; 5 pm, concert. Tues & Fri 8 pm, concert. Sun 11 am, 7:30 pm, church services. Central standard time. Slogan: "Gateway to the Southwest and Treasure Island of America."

WHAD—Marquette University, 1115 Grand Ave., Milwaukee, Wis. 280 meters, 1070 kilocycles, class A. Wed 7:30-8:30 pm. Central standard time.

WHAG—University of Cincinnati, Dept. of Elec. Engineering, Cincinnati, O. 222 meters, 1351 kilocycles, class A.

WHAH—Hafer Supply Co., 112 W. Sixth St., Joplin, Mo. 283 meters, 1060 kilocycles, class A. Tues & Thurs eve 9-11 pm. Sat eve 10:30-12 pm. Central standard time. Slogan: "Where Hearts Are Happy."

WHAK—Roberts Hardware Co., Clarksburg, W. Va. 258 meters, 1150 kilocycles, class A. Schedule irregular.

WHAM—Rochester Times-Union, Rochester Democrat & Chronicle, Rochester, N. Y. 283 meters, 1060 kilocycles, class A. Daily ex Sun 3-3:30 pm, 4:15-4:45, 6:50 pm, market and weather; 7-7:30, orchestra and organ; 7:30-8:30 pm, Radio Dealers' Club. Sat 10:45-12:30 pm, dance music, Sagamore Hotel. Sun 2:55 pm, radio children's service; 3:15 pm, chapel services. Eastern standard time.

WHAP—Otta & Kuhns, Decatur, Ill. 360 meters, 834 kilocycles, class C., Schedule irregular.

WHAR—Paramount Radio & Elec. Co., 17½ S. Virginia Ave., Atlantic City, N. J. 231 meters, 1304 kilocycles, class A. Daily 2-3 pm, 7:30-8:30 pm. Eastern standard time. Slogan: "The Playground of the World."

WHAS—The Courier Journal & Louisville Times Co., Louisville, Ky. 400 meters, 750 kilocycles, class B. Daily ex Sun 4-5 pm, concert, markets, weather; 7:30-9 pm, concert. Sun 10 am and 4-5 pm, church services. Central standard time.

WHAV—Wilmington Elec. Sup. Co., 912 Orange St., Wilmington, Del. 360 meters, 834 kilocycles, class C. Eastern standard time. Slogan: "The First Broadcasting Station of the First City of the State."

WHAZ—Rensselaer Polytechnic Institute, Troy, N. Y. 380 meters, 789 kilocycles, class B. Every Mon 9-11 pm. Second Mon each month 12 mignight to 1:30 am. Eastern standard time. Slogan: "Oldest College of Engineering in America."

WHB—The Sweeney Automotive & Electrical School, Kansas City, Mo. 411 meters, 730 kilocycles, class B. Daily ex Sun 8:25, 9:25, 10:25, 11:25 am, 12:25, 1:25, 3 pm. Tues, Thurs, Sun 8-10 pm, concert. Daily 12:30-1, 2-3, 7-7:45 pm, music. Central standard time. Slogan: "The Heart of America."

WHK—The Radiovox Co., 5005 Euclid Ave., Cleveland, O. 283 meters, 1060 kilocycles, class A. Daily ex Sun 12:30-1:30 pm, 6-6:30. Fri 9-11 pm. Sun 8-9:30 pm, concert; 9:30-10 pm, chapel services. Eastern standard time.

WHN—Loew's Enterprises, Broadway at 45th St., New York City. 360 meters, 833 kilocycles, class C. Daily 9:30 am, 12-1, 2:15-3:15, 3:45-5:30 pm. Mon, Wed & Sat 7:30-12 pm. Tues, Thurs & Fri 9:30-12 pm. Sun 3-6 and 9:30-12 pm. Eastern standard time. Slogan: "Voice of the Great White Way."

WIAB—Joslyn Auto Co., Rockford, Ill. 252 meters, 1190 kilocycles, class C. Mon 9-10 pm. Fri 8-9 pm. Central standard time.

WIAC—Galveston Tribune, Galveston, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 12:35 pm, reports. Tues & Sat 8 pm, concert. Central standard time.

WIAO—Howard Miller, 6318 N. Park Ave., Philadelphia, Pa. 254 meters, 1180 kilocycles, class A. Slogan: "The Voice from the Cradle of Liberty."

WIAF—G. A. DeCortin, New Orleans, La. 234 meters, 1280 kilocycles, class A. Tues 8-9:30 pm. Sun 10-11:30 am, church services. Central standard time.

WIAI—Heer Stores Co., Springfield, Mo. 252 meters, 1190 kilocycles, class A. Daily ex Sun 10:30-11 am, weather. Tues 7:30-8:45 pm. Sat 6:30-7:30 pm, concert. Central standard time.

WIAJ—Fox River Valley Radio Co., Neenah, Wis. 224 meters, 1340 kilocycles, class A.

WIAK—Daily Journal-Stockman, Omaha, Neb. 278 meters, 1080 kilocycles, class A. Daily ex Sun 7:45 am, 9:10 am, 10:20 am, 12 noon, 1:30 pm, 3:50 pm, markets and weather. Central standard time.

WIAO—School of Engineering, 415 Marshall St., Milwaukee, Wis. 360 meters, 833 kilocycles, class C. Daily ex Sun 11:30-12 noon, 5-6 pm, 7-7:30 pm. Central standard time. Slogan: "In the Land of Sky Blue Waters."

WIAQ—Chronicle Publ. Co., Marion, Ind. 226 meters, 1330 kilocycles, class A. Daily ex Sun 4:30-5 pm. Tues & Thurs 8-9 pm. Sun 10:45 am and 7:30 pm, church services. Central standard time. Slogan: "Marion's Biggest and Best Newspaper."

WIAS—Home Elec. Co., Burlington, Iowa. 360 meters, 834 kilocycles, class C. Tues 8 pm, concert. Thurs 7:15 pm, concert. Central standard time. Slogan: "Burlington on the Mississippi."

WIAU—American Trust & Savings Bank, Le Mars, Iowa. 360 meters, 834 kilocycles, class C.

WIK—K & L Elec. Co., McKeesport, Pa. 234 meters, 1304 kilocycles, class A.

WIL—Continental Elec. Co., Washington, D. C. 360 meters, 834 kilocycles, class C. Daily ex Sun 5:30-7 pm, concert. Eastern standard time.

WIP—Gimbel Bros., Philadelphia, Pa. 509 meters, 590 kilocycles, class B. Daily 1-2, 3-4, 6-7:30 pm. Tues, Thurs, Sat 8 pm to midnight. Eastern standard time. Slogan: "Watch Its Progress."

WJAB—American Elec. Co., Lincoln, Neb. 275 meters, 1100 kilocycles, class A. Mon & Thurs 8-9 pm, concert. Central standard time.

WJAD—Jackson's Radio Co., Waco, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 4-4:30 pm. Mon & Fri 8-9 pm, concert. Sun 11-12 am, church services. Central standard time.

WJAF—Muncie Press & Smith Elec. Co., Muncie, Ind. 360 meters, 834 kilocycles, class C. Daily ex Sun 3:30-4 pm, music and news. Mon, Wed & Fri 7-8 pm. Sat 6-7 pm, music. Sun 10-12 am, 2-3:30 pm, church services. Central standard time.

WJAG—Norfolk Daily News, Norfolk, Neb. 283 meters, 1070 kilocycles, class A. Daily 12:15 pm, 5:30 pm, ex Sat. Central standard time. Slogan: "The World's Greatest Country Daily."

WJAK—Rev. Clifford L. White, Minister of Church of Christ, Greentown, Ind. 254 meters, 1180 kilocycles, class A. Daily ex Sat 6-7 pm, music and sermonette. Thurs 8-9 pm, special concert. Sat 7-8 pm, music, comments on Bible School lesson. Central standard time. Slogan: "The Radio Parson."

WJAM—D. M. Perham, Cedar Rapids, Ia. 268 meters, 1120 kilocycles, class A. Daily ex Sun 10 am, 11:30 am, 1:30 pm, markets. Tues, Wed, Fri 7:15 pm, music. Sun 2:45 pm. Central standard time. Slogan: "The Cereal City of the World."

WJAN—Peoria Star Co., Peoria, Ill. 280 meters, 1070 kilocycles, class A. Daily 9 am, Peoria livestock; 9:15, weather report; 11:30, market reports; 1:30 pm, market reports. Tues and Thurs eve 9:15, musical concert as announced. Sun 11:30 am, sermon; 7:45, evening lecture, direct from Universalist church. Central standard time. Slogan: "The Grandview City of Illinois."

WJAQ—Capper Publications, Topeka, Kan. 360 meters, 833 kilocycles, class C. Programs irregular.

WJAR—The Outlet Co., Providence, R. I. 360 meters, 834 kilocycles, class C. Daily ex Sun 10-11 am, 1-2:30 pm, 7 pm. Tues, Wed & Fri 7-8 pm. Wed 10:30-12 midnight. Fri 8:15 pm. Sun 7:20-10:20 pm. Eastern standard time. Slogan: "The Gateway of Southern New England."

WJAS—Pittsburgh Radio Sup. House, Pittsburgh, Pa. 360 meters, 834 kilocycles, class C. Daily ex Sun 11:30-12 noon, 2:30-3 pm. Mon, Wed, Fri 7:30-9 pm. Eastern standard time.

WJAT—Kelley-Yawter Jewelry Co., Marshall, Mo. 360 meters, 833 kilocycles, class C. Daily ex Sun from 5:15-5:45 pm. Central standard time. Slogan: "The Garden Spot of the World."

WJAX—The Union Trust Co., Cleveland, O. 390 meters, 770 kilocycles, class B. Daily ex Sun 9-9:45 am, 10-10:45 am. Daily ex Sat & Sun 2-2:45 am, 3-3:45 pm. Tues 7:30-9:30 pm. Thurs 8-10 pm. Eastern standard time. Slogan: "The Wave from Lake Erie."

WJAZ—Zenith-Edgewater Beach Hotel Broadcasting Station, Chicago, Ill. 448 meters, 670 kilocycles, class B. Daily ex Sun & Mon 10 pm to 2 am, music. Wed 12 midnight, news of McMillan Expedition. Sun 6-9 pm. Central standard time.

WJD—Denison University, Granville, O. 229 meters, 1310 kilocycles, class A. Daily 5-6 pm. Fri 11-12 pm. Eastern standard time. Slogan: "The College on the Hill."

WJH—Wm. P. Boyer Co., Washington, D. C. 273 meters, 1100 kilocycles, class A. Daily ex Sun 3 and 4 pm. Tues 7:45-10 pm. Sun 8 pm, church services. Eastern standard time.

WJX—DeForest Radio Tel. & Tel. Co., New York City, N. Y. 360 meters, 834 kilocycles, class C.

WJY—Radio Corp. of America, New York City, N. Y. 405 meters, 740 kilocycles, class B. Daily ex Sun 4-6 pm, concert. Tues, Thurs, Fri 7:30-11:30 pm, concert. Sun 2:30-5 pm, 6-6:30 pm, church services. Eastern standard time.

WJZ—Westinghouse Elec. & Mfg. Co., New York City, N. Y. 455 meters, 660 kilocycles, class B. Daily ex Sun 3-6 pm, music; 7-11:30 pm, special program. Sun 10:30 am to 1 pm, church services; 8-10:30 pm. Eastern standard time.

WKAA—H. F. Parr, Cedar Rapids, Iowa. 268 meters, 1110 kilocycles, class A. Mon & Sat 6:30 pm. Thurs 11:30 pm. Sun, church services as announced. Central standard time.

WKAD—Chas. Looff, E. Providence, R. I. 240 meters, 1249 kilocycles, class A.

WKAF—W. S. Radio Sup. Co., Wichita Falls, Tex. 360 meters, 834 kilocycles, class C.

WKAN—United Battery Serv. Co., Montgomery, Ala. 226 meters, 1350 kilocycles, class A. Mon, Wed & Fri 6:30-7 pm, music and news. Central standard time.

WKAP—D. Wilcox Flint, Cranston, R. I. 360 meters, 834 kilocycles, class C.

WKAQ—Radio Corp. of Porto Rico, San Juan, P. R. 360 meters, 834 kilocycles, class C. Tues & Fri 9-10:30 pm. Wed 8-9 pm. Intercolonial time (one hour earlier than E. S. T.) Slogan: "The Island of Enchantment in the Caribbean Sea, where the World's best coffee grows."

WKAR—Michigan Agricultural College, East Lansing, Mich. 280 meters, 1070 kilocycles, class A. Slogan: "The Oldest Agricultural College in the World."

WKAV—Laconia Radio Club, Laconia, N. H. 254 meters, 1180 kilocycles, class A.

WKAW—Turner Cycle Co., Beloit, Wis. 242 meters, 1249 kilocycles, class A. Daily 12-12:15 pm, 7-7:30 pm. Central standard time.

WKAY—Brenau College, Gainesville, Ga. 280 meters, 1071 kilocycles, class A.

WKY—The WKY Radio Shop, Okla. City Okla. 360 meters, 834 kilocycles, class C. Daily 9 pm, weather. Mon, Wed & Fri 9-10:30 pm, concert. Central standard time.

WLAG—Cutting & Washington Radio Corp., Minneapolis, Minn. 417 meters, 720 kilocycles, class B. Daily ex Sun 9:30 am, 9:40, 10, 10:30, 10:45, 11:35 am, 2 pm, 2:30 2:35, 4, 4:30, 5, 5:30, 6, 7:30, 9:15; 5:30-6, children's program; 9:30, music. Wed & Sat 11-12:30 am. Sun 10:30 am, 3:30 and 7:45 pm, church services. Central standard time. Slogan: "The Twin City Station in the Land of Ten Thousand Lakes."

WLAH—Samuel Woodworth, Syracuse, N. Y. 234 meters, 1280 kilocycles, class A. Schedule irregular.

WLAJ—Waco Elec. Sup. Co., Waco, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 9:30, 10:30 am, 2:30 pm, music. Tues & Thurs 7:45-8:45 pm, concert. Sun 3 pm, church services. Central standard time.

WLAK—Vermont Farm Mach. Corp., Bellows Falls, Vt. 360 meters, 833 kilocycles, class C. Sat 9-11 pm. Eastern standard time. Slogan: "The Maple Sugar State."

WLAL—Naylor Elec. Co., Tulsa, Okla. 360 meters, 834 kilocycles, class C.

WLAN—Putnam Hardware Co., Houlton, Me. 283 meters, 1060 kilocycles, class A.

WLAP—W. V. Jordan, Louisville, Ky. 360 meters, 834 kilocycles, class C.

WLAQ—Arthur E. Schilling, Kalamazoo, Mich. 283 meters, 1060 kilocycles, class A. Daily ex Sun 11:30-12:30 noon. Thurs 9-11 pm. Sun 2:30-5 pm. Central standard time.

WLAT—Radio & Specialty Co., Burlington, Iowa. 360 meters, 834 kilocycles, class C.

WLAV—Electric Shop, Inc., Pensacola, Fla. 254 meters, 1190 kilocycles, class A. Mon, Tues, Fri 8-9 pm, concert.

WLAW—New York Police Dept., New York City, N. Y. 360 meters, 834 kilocycles, class C.

WLAX—Putnam Elec. Co., Greencastle, Ind. 231 meters, 1300 kilocycles, class A. Tues & Thurs 7:30-8:30 pm, lectures, music. Sun 7:30 pm, church services. Central standard time. Slogan: "The Greencastle Community Station."

WLB—University of Minnesota, Minneapolis, Minn. 360 meters, 834 kilocycles, class C.

WLW—The Crosley Mfg. Co., Cincinnati, O. 309 meters, 970 kilocycles, class B. Sun 9:30 am and 11 am. Mon 10:30 am, 1:30 pm, 3 pm, 4 pm, 9-10 pm. Tues 10:30 am, 1:30 pm, 3 pm, 4 pm, 10-12 pm. Wed 10:30 am, 1:30 pm, 3 pm, 4 pm, 8-10 pm. Thurs 10:30 am, 1:30 pm, 3 pm, 4 pm, 10-12 pm. Fri 10:30 am, 1:30 pm, 3 pm, 4 pm. Sat 10:30 am and 1:30 pm. Central standard time. Slogan: "The Station with a Soul."

WMA—Arrow Radio Laboratory, Anderson, Ind. 360 meters, 834 kilocycles, class C.

WMAB—Radio Sup. Co., Oklahoma City, Okla. 360 meters, 834 kilocycles, class C.

WMAC—J. E. Page, Cazenovia, N. Y. 261 meters, 1150 kilocycles, class A.

WMAF—Round Hills Radio Corp., Dartmouth, Mass. 360 meters, 834 kilocycles, class C. Daily ex Sun 5:30, 7:30-10 pm. Sun 3:30-5:15 pm, 7:20-10 pm. Eastern standard time. Slogan: "The Voice from Way Down East."

WMAH—General Supply Co., 144 N. 13th St., Lincoln, Neb. 254 meters, 1180 kilocycles, class A. Mon & Fri 9-10:30 pm. Sun 3-4 pm, musical. Sun 7:30-9 pm. Central standard time. Slogan: "A Call from the Western Plains."

WMAJ—Kansas City Daily Drovers Telegram, Kansas City, Mo. 275 meters, 1090 kilocycles, class A. Daily ex Sun 8:15 am, 9:15, 10:15, 11:15 and 12:15 noon, 1:15, 2:15 pm, weather and markets. Central standard time.

WMAK—Norton Laboratories, Lockport, N. Y. 360 meters, 834 kilocycles, class C. Daily ex Sun 11 am, weather. Tues 8-9 pm, music. Eastern standard time.

WMAL—Trenton Hardware Co., 35 E. State St., Trenton, N. J. 256 meters, 1170 kilocycles, class A. Mon & Thurs 7:30-9 pm, music. Sun 4-5 pm, chapel services. Eastern standard time. Slogan: "The Home of Good Music."

WMAN—First Baptist Church, Columbus, O. 286 meters, 1050 kilocycles, class A. Sun 10:30-12 noon, 7:30-9 pm, church services. Central standard time.

WMAP—Utility Battery Serv. Co., Easton, Pa. 246 meters, 1220 kilocycles, class A. Schedule irregular. Eastern standard time.

WMAQ—The Chicago Daily News, Chicago, Ill. 448 meters, 670 kilocycles, class B. Mon 4:30-5 pm. Tues, Wed, Thurs, Fri 4:30-5, 7-8, 9-10 pm. Sat 8-10 pm. Central standard time.

WMAV—Alabama Polytechnic Institute, Auburn, Ala. 250 meters, 1200 kilocycles, class A. Tues, Thurs, Sat 8 pm, music. Central standard time.

WMAW—Wahpeton Elec. Co., 224 Dakota Ave., Wahpeton, N. Dak. 254 meters, 1190 kilocycles, class A.

WMAY—Kingshighway Presbyterian Church, Kingshighway & Cabanne, St. Louis, Mo. 280 meters, 1071 kilocycles, class C. Sun 10 am regular church services. Sun 3 pm, special program for shut-ins. Sun 8 pm, regular church services. Tues 7 pm, special radio program. Central standard time. Slogan: "May Every Byway Hear Kingshighway."

WMAZ—Mercer University, Macon, Ga. 268 meters, 1120 kilocycles, Class A. Daily ex Sun 5:30-6 pm, 7-7:30 pm, 8:30-9:30 pm. Tues, Wed & Thurs 10:30-11 am, church services.

WMC—Commercial Publishing Co., 30 N. 2nd St., Memphis, Tenn. 500 meters, 600 kilocycles, class B. Daily 9:45 am, noon, 3 pm and 8:30 pm. Tues & Fri 11 pm. Sun 11 am. Central standard time. Slogan: "Memphis Down in Dixie."

WMU—Doubleday-Hill Elec. Co., Washington, D. C. 261 meters, 1140 kilocycles, class A. Daily 4:30-5:30 pm, concert. Thurs 8-9, music. Eastern standard time.

WNAC—The Shepard Stores, Boston, Mass. 278 meters, 1080 kilocycles, class A. Daily 12-2 pm, 4-5 pm, 8-10 pm. Mon, Wed, Fri 6-7:30 pm. Sun 11-12 am, 4-5 pm, 7:45-9:30 pm. Eastern standard time.

WNAD—Oklahoma University, Dept. of Radio Engineering, Norman, Okla. 360 meters, 834 kilocycles, class C. Daily ex Sat & Sun 10-10:30 pm, University news bulletins. Mon & Wed 9-10 pm. Sun program as announced. Central standard time. Slogan: "The Voice of Sooncrland."

WNAL—R. J. Rockwell, Omaha, Neb. 266 meters, 1130 kilocycles, class A. Slogan: "The Pioneer Broadcasting Station of Omaha."

WNAN—Syracuse Radio Tel. Co., Inc., Syracuse, N. Y. 286 meters, 1050 kilocycles, class A. Mon, Wed & Sat 7:30 pm, concert. Eastern standard time.

WNAP—Wittenberg College, Springfield, O. 231 meters, 1304 kilocycles, class A.

WNAQ—Charleston Radio Elec. Co., Charleston, S. C. 360 meters, 834 kilocycles, class C.

WNAR—C. C. Rhodes, Butler, Mo. 231 meters, 1304 kilocycles, class A. Fri & Sun 7:30 pm. Sun 11 am. Central standard time.

WNAT—Leaning Bros. Co., Philadelphia, Pa. 360 meters, 834 kilocycles, class C.

WNAV—Peoples Tel. & Tel. Co., Knoxville, Tenn. 236 meters, 1270 kilocycles, class A. Temporarily discontinued. Slogan: "Way Down in Dixie."

WNAW—Peninsula Radio Club, Fort Monroe, Va. 360 meters, 834 kilocycles, class C.

WNAX—Dakota Radio Apparatus Co., Inc., Yankton, S. Dak. 244 meters, 1290 kilocycles, class A. Daily ex Sun 11:30 am, markets and weather; 4:30 pm, music, markets, weather, bulletins; 9 pm, concert on Wed. Central standard time.

WNJ—Shotten Radio Mfg. Co., Inc., Albany, N. Y. 360 meters, 834 kilocycles, class C. Daily ex Sun 10 am, market reports. Wed 8:15 pm, concert. Eastern standard time.

WOAC—Mans Bridge Co., Lima, O. 266 meters, 1130 kilocycles, class A.

WOAO—Friday Battery & Elec. Co., Sigourney, Iowa. 360 meters, 834 kilocycles, class C.

WOAE—Midland College, Fremont, Neb. 360 meters, 834 kilocycles, class C.

WOAF—Tyler Commercial College, Tyler, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 12 noon, market; 8 pm, weather, concert; 10:45 pm. Sun 11 am, 7:30 pm, church services. Central standard time.

WOAG—Apollo Theatre, Belvidere, Ill. 224 meters, 1340 kilocycles, class A.

WOAH—Palmetto Radio Corp., Charleston, S. C. 360 meters, 834 kilocycles, class C. Mon, Thur, Sat & Sun 10 pm to 1 am, concert. Eastern standard time.

WOAI—Southern Equipment Co., San Antonio, Tex. 385 meters, 780 kilocycles, class B. Daily ex Sun 10:30 am, market reports, weather, crops; 12:15 pm, news bulletins, market; 3 pm, market and news; 6:15 pm, sport news, final market reports, news items. Tues 9:30-10:30 pm, music. Thurs 7:30-8:30 pm, music, community programs. Sun 11 am, church services. Central standard time. Slogan: "The Winter Playground of America."

WOAL—W. E. Woods, Webster Groves, Mo. 286 meters, 1070 kilocycles, class A. Sun 3-5 pm. Central standard time.

WOAN—The Vaughan Conservatory of Music, Lawrenceburg, Tenn. 360 meters, 834 kilocycles, class C. Daily ex Sat 8:30-9:30 pm. Central standard time.

WOAO—Lyradion Mfg. Co., Mishawaka, Ind. 360 meters, 834 kilocycles, class C. Daily ex Sun 12:15-12:45 pm, 5:30-6:15 pm. Tues & Thurs 6:30-8 pm. Fri 9:30-12:30. Sun 10:45-12 noon, church services. Central standard time. Slogan: "The Biggest Little Town in Indiana."

WOAP—Kalamazoo College, Kalamazoo, Mich. 210 meters, 1249 kilocycles, class A. Mon, Wed & Fri 6:30-7 pm, concert. Central standard time.

WOAT—Boyd Martell Hamp, 206 W. 10th St., Wilmington, Del. 360 meters, 834 kilocycles, class C.

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17	.00035	M. F.	2.75	
23	.0005	M. F.	3.00	4.50
43	.001	M. F.	4.00	5.50

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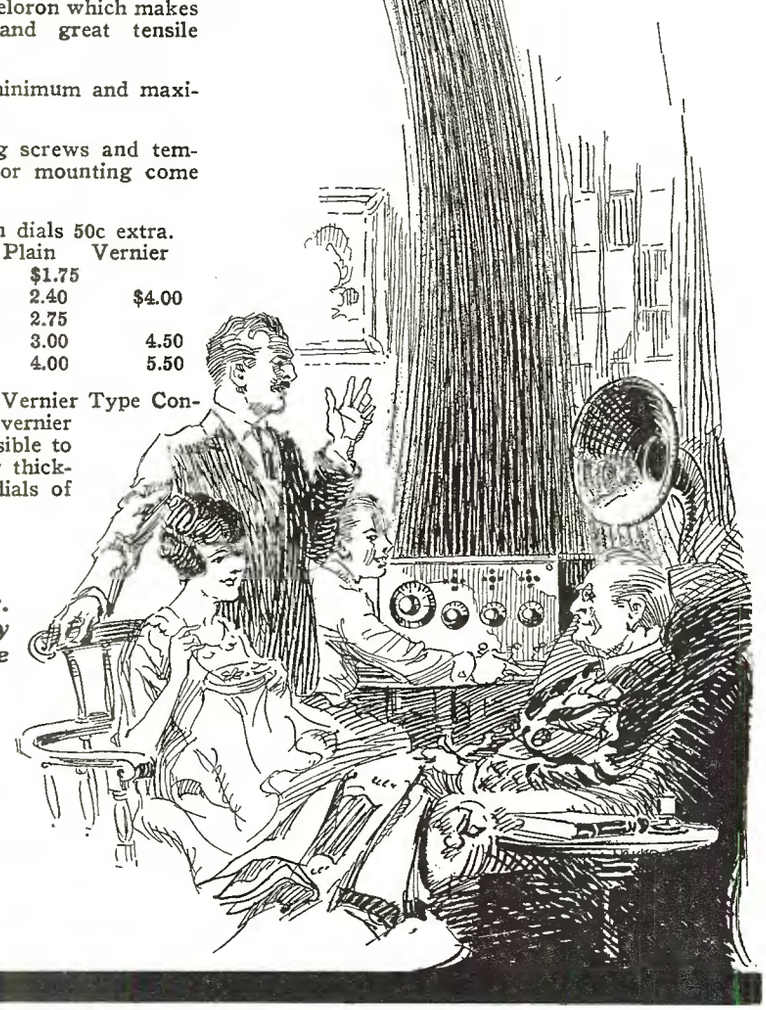

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Telephone Broadcasting Stations for the United States—*Continued*

WOAV—Headquarters Company, Second Battallon 112th Infantry, Pennsylvania Nat'l Guards, Erie, Pa. 242 meters, 1245 kilocycles, class A. Tues 8:30-10 pm. Thurs 8-9:30 pm. Sun 1-3:30 am, 9:30-11 am, music by the Neversleep Club. Sun 10:30 am and 7:45 pm, church services. Eastern standard time. Slogan: "Wayne Rangers."

WOAW—Woodmen of the World Life Insurance Ass'n., Omaha, Neb. 526 meters, 570 kilocycles, class B. Week days 6:30-8 pm, 9-11 pm. Wed, silent. Thurs 6-6:30 pm, children's story hour, Sun 9-10:45 am, religions services; 6-7 pm, Bible study hour; 9-11 pm. Central standard time. Slogan: "The Gateway to the East and to the West." Also "Omaha, the City Surrounded by the United States."

WOAX—F. J. Wolff, 333 State St., Trenton, N. J. 240 meters, 1250 kilocycles, class A. Intermittent schedules. Eastern standard time. Slogan: "Trenton Makes the World Takes."

WOC—Palmer School of Chiropractic, Davenport, Iowa. 484 meters, 620 kilocycles, class B. Sun 9 am, chimes; 1:30 pm, orchestra; 7 pm, pipe organ recital; 7:30 pm, sport news; 8 pm, church service; 9 pm, music. Daily 10 am, opening market and household hints; 10:55 am, time signals; 11 am, weather, market and bulletins; 12 noon, chimes; 12:30 (Sat only), closing markets; 2 pm, closing markets (ex Sat); 6 pm (Tues only), weather and sport news, ex Tues silent night; 6:30 pm, bedtime story; 6:50 pm, sport news and weather; 7 pm, educational lecture; 8 pm, music (Mon, Wed, Thurs, Fri); 9 pm (Sat only), dance program; 10 pm (Wed only), musical program. Central standard time. Slogan: "Where the West Begins."

WOI—Iowa State College, Elec. Engineering Dept., Ames, Iowa. 360 meters, 833 kilocycles, class C. Daily ex Sun 9 am, early hog market; 9:45 am, weather; 10:15 am, hog market; 12:45 pm, live stock reports, educational talks; 9:30 pm, weather, announcements. Central standard time.

WOK—Pine Bluff Co., Pine Bluff, Ark. 360 meters, 834 kilocycles, class C.

WOO—John Wanamaker, Philadelphia, Pa. 509 meters, 590 kilocycles, class B. Daily ex Sun 11 am, organ recital; 11:30 am, weather, noon, time signal; 12-1 pm, concert; 4:45 pm, organ recital; 5 pm, reports; 9:55 pm time signal; 10:02, weather. Mon, Wed & Fri 7:30-11 pm, concert. Eastern standard time.

WOQ—Western Radio Co., Kansas City, Mo. 360 meters, 834 kilocycles, class C. Daily ex Sun 9:50 am, markets; 10:30-11 am, music and time signals; 11:50, 12:30 pm, markets; 2:45-3:15 pm, music; 7-7:20 pm, markets. Mon, Wed & Fri 7:30-8 pm, music. Tues, Thurs & Sat 8-9:30 pm, music. Sun 11-12:15 pm, 7-7:45 pm, church services. Central standard time.

WOR—L. Ramberger & Co., Newark, N. J. 405 meters, 740 kilocycles, class B. Daily ex Sun 2:30-4 pm, 6:15-7:30 pm, music. Mon, Wed & Sat 8-11 pm, concert. Eastern standard time.

WOS—Missouri State Marketing Bureau, Jefferson City, Mo. 441 meters, 680 kilocycles, class B. Daily ex Sun 8, 9, 10, 11, am, 12 noon, 1, 2, 5 pm, markets weather and music. Mon, Wed & Fri 8-9:30 pm, concert. Central standard time. Slogan: "Watch Our State."

WPAB—Pennsylvania State College, State College, Pa. 283 meters, 1070 kilocycles, class A.

WPAC—Donaldson Radio Co., Okmulgee, Okla. 360 meters, 834 kilocycles, class C. Mon, Wed & Fri 10 pm. Sun 10 am, 9 pm, church services. Central standard time.

WPAH—Wisconsin Dept. of Markets, Waupaca, Wis. 360 meters, 834 kilocycles, class C. Daily ex Sun 9:30 am, 10:30, 11:30 am, 12:30 pm, 2:30, 4:30 pm, markets and weather news. Central standard time.

WPAJ—Doolittle Radio Corp., New Haven, Conn. 268 meters, 1120 kilocycles, class A.

WPAK—North Dakota Agricultural College, Fargo, N. Dak. 360 meters, 834 kilocycles, class C. Daily 10 am, weather. Mon, Wed & Fri 7:30-8:15 pm. Central standard time.

WPAL—Superior Radio & Tel. Equip. Co., Columbus, O. 286 meters, 1050 kilocycles, class A. Daily ex Sun 3-4 pm, Wed 7-9 pm, music. Sat 12-1:30 am. Central standard time.

WPAM—Auerbach & Guettel, Topeka, Kan. 360 meters, 834 kilocycles, class C. Daily ex Sun 1 pm. Wed 9:30-10:30 pm. Sat 8-9 pm. Central standard time.

WPAP—Theo. D. Philips, Winchester, Ky. 360 meters, 834 kilocycles, class C.

WPAQ—General Sales & Engineering Co., Frostburg, Md. 360 meters, 834 kilocycles, class C.

WPAU—Concordia College, Moorhead, Minn. 360 meters, 834 kilocycles, class C.

WPAZ—The Radio Shop, 614 State St., Charleston, W. Va. 273 meters, 1100 kilocycles, class A. Mon & Wed 7-8 pm. Fri 7:30-8:30 pm, Beni Kedem Shrine Orchestra. Sun 3-4 pm, sacred concert. Eastern standard time. Slogan: "Charleston, the Storehouse of the Nation."

WPG—Nushawg Poultry Farm, New Lebanon, O. 234 meters, 1304 kilocycles, class A. Daily ex Sun 12-12:15 pm, news; 6-6:30, markets. Mon & Fri. 8-9:45 pm, music. Central standard time. Slogan: "The Pulse of the Miami Valley."

WQAA—Horace A. Beale, Jr., Parkesburg, Pa. 360 meters, 834 kilocycles, class C.

WQAC—Gish Radio Service, Amarillo, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 5-6:30 am. Wed & Fri 9:30-10 pm, concert. Central standard time.

WQAE—Moore Radio News Station, Springfield, Vt. 275 meters, 1090 kilocycles, class A. Daily ex Sun 7-7:30 pm. Sun 2-4 pm, church services. Eastern standard time. Slogan: "Among the Green Hills of Vermont."

WQAF—The Sandusky Register, Sandusky, O. 240 meters, 1249 kilocycles, class A.

WQAH—Brock Anderson Elec. Eng. Co., Lexington, Ky. 254 meters, 1180 kilocycles, class A.

WQAL—Cole County Tel & Tel Co., Mattoon, Ill. 258 meters, 1160 kilocycles, class A. Wed & Thur 9-10 pm. Sun afternoon special program. Central standard time. Slogan: "The Buckle on the Corn Belt."

WQAM—Electrical Equip. Co., Miami, Fla. 360 meters, 834 kilocycles, class C. Tues & Thur 8 pm, music. Sun 9-11 pm. Eastern standard time. Slogan: "It's Always June in Miami."

WQAN—Scranton Times, Scranton, Pa. 280 meters, 1071 kilocycles, class A. Daily ex Sun 12:30-1 pm, 4-4:30, 7:30-8, market, weather. Tues & Fri 8 pm. Eastern standard time. Slogan: "The Voice of the Anthracite."

WQAO—Calvary Baptist Church, New York City, N. Y. 360 meters, 834 kilocycles, class C. Sun 10:20-12 am, 7:45-10 pm, church services. Eastern standard time.

WQAQ—Abilene Daily Reporter, Abilene, Tex. 360 meters, 834 kilocycles, class C. Tues, Thur & Fri 8-9 pm. Sun morning and evening, church services. Central standard time. Slogan: "The Capital of West Texas."

WQAS—Prince-Walter Co., Lowell, Mass. 266 meters, 1130 kilocycles, class A. Daily ex Sun 10:45-11 am, 2:30-3 pm. Mon, Wed & Fri 6-7 pm, concert. Eastern standard time.

WQAV—Huntington & Guerry, Inc., Greenville, S. C. 258 meters, 1150 kilocycles, class A. Tues, Thur & Sat 7:30-8:30 pm. Eastern standard time. Slogan: "The Textile Center of the South."

WQAW—Catholic University of America, Washington, D. C. 236 meters, 1270 kilocycles, class A.

WQAX—Radio Equip. Co., Peoria, Ill. 360 meters, 834 kilocycles, class C. Mon. Wed & Fri 7:15-8 pm. Central standard time.

WRAA—Rice Institute, Houston, Tex. 360 meters, 834 kilocycles, class C. Mon 8-9 pm. Sun 4:30 pm. All college activities broadcast. Central standard time.

WRAD—Marion Radio Shop, Marion, Kan. 218 meters, 1210 kilocycles, class A. Daily ex Sun 12-12:45 pm, 5:15-5:45 pm, markets, weather. Mon & Thur 8-9 pm, concert. Central standard time.

WRAF—Radio Club, Inc., La Porte, Ind. 224 meters, 1340 kilocycles, class A. Wed & Thur 8 pm. Sun 2 pm, religious and musical program. Central standard time.

WRAH—Stanley N. Reed, Providence, R. I. 231 meters, 1304 kilocycles, class A.

WRAL—Northern States Power Co., St. Croix Falls, Wis. 248 meters, 1210 kilocycles, class A. Wed 10-11:30 pm, concert. Central standard time. Slogan: "Royal Order of Interstate Knob Twisters."

WRAM—Lombard College, Galesburg, Ill. 244 meters, 1249 kilocycles, class A. Will start operating about March 1st. Mon 8 pm. Central standard time.

WRAN—Black Hawk Elec. Co., Waterloo, Ia. 236 meters, 1270 kilocycles, class A. Discontinued temporarily. Slogan: "We Rediate All News."

WRAO—St. Louis Radio Service Co., St. Louis, Mo. 360 meters, 834 kilocycles, class C. Daily ex Sun 4:15-5 pm, concert. Sun 3-5 pm, concert. Central standard time.

WRAV—Antioch College, Yellow Springs, O. 360 meters, 834 kilocycles, class C.

WRAW—Horace D. Cood, 106½ Schuylkill Ave., Philadelphia, Pa. 238 meters, 1260 kilocycles, class A.

WRAX—Hexon's Garage, Gloucester City, N. J. 268 meters, 1120 kilocycles, class A. Mon, Wed & Fri evenings. Eastern standard time.

WRAY—Radio Sales Corp., Scranton, Pa. 280 meters, 1071 kilocycles, class A. Mon, Wed, Sat & Sun 8:30-10 pm, concert. Eastern standard time.

WRAZ—Radio Shop of Newark, Newark, N. J. 233 meters, 1290 kilocycles, class A.

WRC—Radio Corp. of America, Washington, D. C. 469 meters, 635 kilocycles, class B. Daily ex Sun 10 am, 5:15 pm, 6 pm, children's hour. Mon, Wed & Fri 8-10 pm, concert. Tues, Thur & Sat 3-4 pm, concert. Eastern standard time.

WRK—Doron Bros. Elec. Co., Hamilton, O. 360 meters, 834 kilocycles, class C. Fri 8:15 pm. Sun 2:15 pm, concert. Eastern standard time. Slogan: "The Oldest Station in Existence."

WRL—Union College Radio Club, Schenectady, N. Y. 360 meters, 834 kilocycles, class C. Schedule irregular.

WRM—University of Illinois, Urbana, Ill. 360 meters, 834 kilocycles, class C. Tues & Thur 8:30-9:30 pm, news, music. Tues 7-8 pm, concert. University events announced. Central standard time.

WRR—City of Dallas (Police & Fire Signal Dept.) Dallas, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 11:30-12:30 pm, weather; 2:30-3:30, market and news. Sun 11 am and 7:30 pm, church services. Central standard time.

WRW—Tarrytown Radio Research Laboratories, Tarrytown, N. Y. 273 meters, 1100 kilocycles, class A. Mon, Wed & Fri 7:30-11:30 pm, concert. Sun 8-9 pm, church services. Eastern standard time. Slogan: "Everything in Radio."

WSAB—Southeast Mo. State Teachers' College, Cape Girardeau, Mo. 360 meters, 834 kilocycles, class C. Mon, Wed & Fri 3:30 and 9 pm, concert. Central standard time.

WSAC—Clemson Agrl. College, Clemson College, S. C. 360 meters, 834 kilocycles, class C. Mon, Wed & Fri 7 pm. Eastern standard time.

WSAD—J. A. Foster Co., Providence, R. I. 261 meters, 1150 kilocycles, class A. Daily 2:30-4:30 pm. Tues, Thur, Fri & Sat 6-7 pm. Wed 8:15 pm. Sun 2-3:30 pm. Eastern standard time.

WSAG—Loran V. Davis, St. Petersburg, Fla. 244 meters, 1230 kilocycles, class A.

WSAH—A. G. Leonard, Jr., Chicago, Ill. 248 meters, 1210 kilocycles, class A. Daily ex Sun 5:30-6:30 pm. Fri 8:45-10 pm. Central standard time.

WSAI—U. S. Playing Card Co., Cincinnati, O. 309 meters, 967 kilocycles, class B. Tues & Thur 8-10 pm. Sat 10-12 pm. Central standard time.

WSAJ—Grove City College, Grove City, Pa. 360 meters, 834 kilocycles, class C. College news as announced.

WSAL—Franklin Elec. Co., Brookville, Ind. 246 meters, 1220 kilocycles, class A.

WSAN—Allentown Radio Club, Allentown, Pa. 229 meters, 1310 kilocycles, class A.

WSAR—Doughty & Welch Elec. Co., Fall River, Mass. 254 meters, 1180 kilocycles, class A. Daily ex Sun 12-1 pm. Tues, Thur & Sat 7:15-8:15 pm. Eastern standard time.

WSAT—Donohoo-Ware Hardware Co., Plainview, Tex. 268 meters, 1120 kilocycles, class A.

WSAW—J. J. Long, Jr., Canandaigua, N. Y. 275 meters, 1100 kilocycles, class A.

WSAX—Chicago Radio Laboratory, Chicago, Ill. 447 meters, 666 kilocycles, class B.

WSAY—Irving Austin, Chamber of Commerce, Port Chester, N. Y. 233 meters, 1304 kilocycles, class A.

WSAZ—Chase Elec. Shop, Pomeroy, O. 285 meters, 1160 kilocycles, class A.

WSB—Atlanta Journal, Atlanta, Ga. 429 meters, 700 kilocycles, class B. Daily ex Sun 12-1 pm, music and weather; 2:30, 4-4:30 pm, 5-6, news; 8-9, concert (ex Wed); 10:45-12 pm, concert. Sun 10:45-12:15 pm, 5-6, 7:30-9:15, church services. Central standard time. Slogan: "The Voice of the South."

WSL—J & M Elec. Co., Utica, N. Y. 273 meters, 1100 kilocycles, class A. Daily ex Sat & Sun 11-11:30 am, 5-6 pm. Mon, Wed & Sat 8-9 pm. Sun 10:30-12 noon, 7:30-9 pm, church services. Eastern standard time.

WSY—Alabama Power Co., Birmingham, Ala. 360 meters, 834 kilocycles, class C. Tues & Fri 8 pm, music. Sun 11 am and 8 pm, church services. Central standard time.

WTAB—Fall River Daily Herald, Fall River, Mass. 248 meters, 1210 kilocycles, class A.

WTAC—Penn Traffic Co., Johnstown, Pa. 360 meters, 834 kilocycles, class C. Daily ex Sun 4 pm. Sun & Thurs 7:30 pm. Eastern standard time.

WTAF—Louis J. Gallo, New Orleans, La. 268 meters, 1110 kilocycles, class A.

WTAG—Kern Music Co., Providence, R. I. 258 meters, 1160 kilocycles, class A.

WTAH—Carmen Ferro, Belvidere, Ill. 236 meters, 1249 kilocycles, class A.

WTAJ—The Radio Shop, Portland, Me. 236 meters, 1270 kilocycles, class A. Sun & Wed 7:45 pm. Eastern standard time.

WTAL—Toledo Radio & Elec. Shop, Toledo, O. 252 meters, 1190 kilocycles, class A. Tues & Thurs 8:45 pm. Sat 9 pm. Sun 7:30 pm. Eastern standard time.

WTAM—Willard Storage Battery Co., Cleveland, O. 390 meters, 768 kilocycles, class B. Wed 8-10:30 pm, music. Sat 9-11 pm, dance music. Eastern standard time. Slogan: "The Voice from the Storage Battery."

WTAN—Orndorff Radio Shop, Mattoon, Ill. 240 meters, 1249 kilocycles, class A.

WTAP—Cambridge Radio & Elec. Co., 200 N. Prospect St., Cambridge, Ill. 242 meters, 1240 kilocycles, class A. Daily 12:15-1:15 pm, 9:30-10:30 pm. Central standard time.

WTAQ—S. H. Van Gorden & Son, Osseo, Wis. 226 meters, 1350 kilocycles, class A.

WTAR—Reliance Elec. Co., 526 Harrington Ave., Norfolk, Va. 280 meters, 1071 kilocycles, class A.

WTAS—Chas. E. Erbstein, Elgin, Ill. 275 meters, 1090 kilocycles, class A. Daily ex Sun 8 pm. Sun 2-5 pm. Central standard time.

WTAT—Edison Elec. Illuminating Co., Boston, Mass. 246 meters, 1190 kilocycles, class A. (Portable.)

WTAU—Ruegg Battery & Elec. Co., Tecumseh, Neb. 360 meters, 834 kilocycles, class C.

WTAW—Agricultural & Mechanical College of Texas, College Station, Tex. 280 meters, 1071 kilocycles, class A. Wed & Fri 8-8:30 pm, music, talks. Sun 11 am and 4 pm, church services. Central standard time.

WTAX—Williams Hardware Co., Williams Bldg., Streator, Ill. 231 meters, 1300 kilocycles, class A. Mon 9-10 pm. Special programs as announced. Central standard time.

WTAY—Iodar-Oak Leaves Broadcasting Station, 114 S. Oak Park Ave., Oak Park, Ill. 226 meters, 1360 kilocycles, class A.

WTAZ—T. J. McGuire, Lambertville, N. J. 283 meters, 1068 kilocycles, class A.

WTG—Kansas State Agr. College, Manhattan, Kan. 485 meters, 620 kilocycles, class B. Daily ex Sun 9:55 am, weather. Central standard time.

WWAB—Hoenig Swern & Co., S. Broad & Fayette St., Trenton, N. J. 226 meters, 1360 kilocycles, class A. Wed 7:30-10:30 pm. Eastern standard time.

WWAC—Sanger Bros., Waco, Tex. 360 meters, 834 kilocycles, class C. Daily ex Sun 11 am, weather; 1:30 pm, concert. Wed & Sat 8 pm, concert. Central standard time.

WWAD—Wright & Wright, Inc., 2215 N. Broad St., Philadelphia, Pa. 360 meters, 834 kilocycles, class C.

WWAE—Alamo Ball Room, Joliet, Ill. 227 meters, 1320 kilocycles, class A. Wed, Sat & Sun 9 pm-12 midnight, dance music and studio program. Central standard time.

WWAF—Galvin Radio Co., 521 Market St., Camden, N. J. 236 meters, 1290 kilocycles, class A.

WWAO—Michigan College of Mines, Houghton, Mich. 244 meters, 1223 kilocycles, class A.

WWI—Ford Motor Co., Dearborn, Mich. 244 meters, 1223 kilocycles, class A. Wed 8-10 pm, concert. Eastern standard time.

WWJ—The Detroit News, Detroit, Mich. 517 meters, 580 kilocycles, class B. Daily ex Sun 9:30 am, 9:45, 10:25, 11:55 am, 12:05 pm, 3-4 pm, (ex Mon) 4-4:15, 5-6 pm. Daily ex Sat 7-8:30 pm, concert alternate weeks; 8:30-10 pm, concert alternate weeks. Tues 9:45 am, ironing day special. Sun 11 am, church services; 4 pm, concert; 5 pm, Detroit News Orchestra. Eastern standard time.

WWL—Loyola University, New Orleans, La. 268 meters, 1120 kilocycles, class A.

World Broadcasting Stations

ARGENTINA

Buenos Aires.

AUSTRALIA

Marconi Co., Melbourne.
Marconi Co., Sidney.

BRAZIL

SPC—City of Rio de Janeiro, Rio de Janeiro.

CUBA

PWX—Cuban Telephone Co., Havana. 360 meters.

ENGLAND

5IT—British Broadcasting Corp., Birmingham. 420 meters.

5WA—British Broadcasting Corp., Cardiff. 395 meters.

5SC—British Broadcasting Corp., Glasgow. 415 meters.

2LO—British Broadcasting Corp., London. 360 meters.

2ZY—British Broadcasting Corp., Manchester. 385 meters.

5NO—British Broadcasting Corp., Newcastle. 400 meters.

FRANCE

L'Ecole Superiure des Postes, Paris. 450 meters.

GERMANY

Express Service Co., Berlin.

HOLLAND

PCGG—London Daily Mail, Hague. 1050 meters.

PORTO RICO

WGAD—Spanish-American School of Radio Telegraphy, Ensenada. 360 meters.

WKAQ—Radio Corp. of Porto Rico, San Juan. 360 meters.

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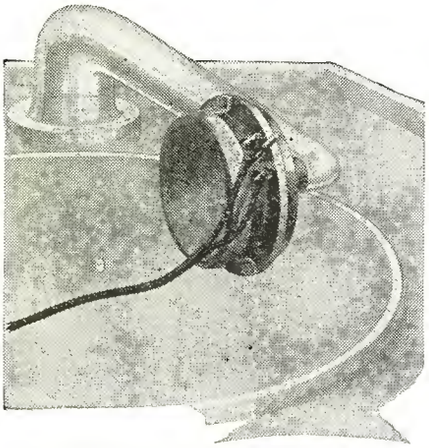

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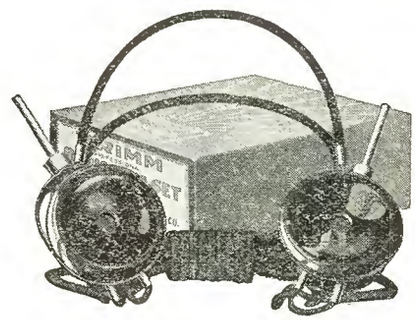
TRUE Reproduction with Trimm

ACOUSTICOLA
Standard Model

Head Sets and Loud Speakers

The Loud Speaker DeLuxe
Trimm's ACOUSTICOLA Grand

No loud speaker can correct the faults of poor tuning or distortion in amplification but a loud speaker should truly reproduce the signal as it is transmitted to it. This the Trimm Acousticola does. Natural Tone and splendid volume are the characteristics of Trimm Products. Sold under a Life Trimm Guarantee.



Trimm's "Professional" Head Set

Acoustically Perfect!

Trimm's ACOUSTICOLA, Standard Model, $22.50

With Non-Metallic Horn

Fitted with Oversize loud speaker unit, equipped with the Trimm Adjusto lever for "focusing" the power of the diaphragm to the particular requirements of each selection by increasing or decreasing the distance between the poles and the diaphragm. Solid bronze base 6 in. wide. Height, 21½ in.; diameter of horn, 7¼ in.

ACOUSTICOLA Phonograph Attachment, $10.00

The Trimm Oversize loud speaker unit only, with coupling for connecting to tone arm of any model Victor or Victrola phonograph. Additional couplings or bushings for use with practically any phonograph of any make or size at small additional cost.

Trimm's ACOUSTICOLA GRAND, $35.00

Easily the handsomest loud speaker ever produced, VIBRATIONLESS horn made of thick CAST Aluminum, not spun or rolled sheet metal. Equipped with Trimm's Oversize unit above described. Height, 12¾ in.; diameter of bell, 11 in.

Trimm's "PROFESSIONAL" Head Set, $7.65

Trimm "Professional" Head Sets were selected by Capt. Donald McMillan for his own personal use and for his crew on board the Bowdoin now in Arctic waters. Nothing equals them for clarity of tone and volume, especially when working on distance. Bakelite cases, 3,000 ohms.

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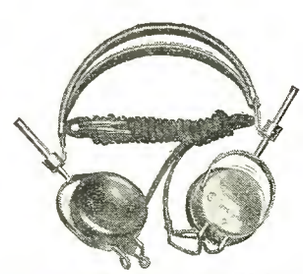
The greatest value ever offered at $5.00. Standard bi-polar construction. Aluminum cases; splendid finish; beautiful appearance. 2,400 ohms. Wonderful volume and clarity of tone—and guaranteed for life.

Write for full descriptions. Mention your dealer's name.



Trimm's "Dependable" Head Set

TRIMM RADIO MANUFACTURING CO.

Dept. 000, 24-30 S. Clinton St. **Chicago, Ill.**

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Telephone Broadcasting Stations Listed by States

State, City, Call

Alabama:
Auburn, WMAV
Birmingham, WSY
Mobile, WEAP
Montgomery, WKAN

Alaska:
Juneau, KFIU

Arizona:
Phoenix, KDYW, KFAD, KFCB
Tucson, KFDH

Arkansas:
Conway, KFKQ
Fayetteville, KFDV, KFMQ
Little Rock, KFLQ, KFMB, WCAV
Pine Bluff, WOK

California:
Bakersfield, KDZB
Berkeley, KRE
Del Monte, KLN
El Monte, KUY
Fresno, KMJ
Hollywood, KFAR
Long Beach, KFMY, KSS
Los Angeles, KDZF, KFCM, KFI, KFNC, KHJ, KJS, KNX, KNX, KUO, KUS
Modesto, KXD
Oakland, KGA, KGO, KLS, KLX, KZM
Palo Alto, KFGH
Richmond, KFCM
Sacramento, KFBK
San Diego, KDPT, KDYM, KFBC
San Francisco, KPO
San Jose, KQW
San Luis Obispo, KFBE
Santa Ana, KFAW
Santa Barbara, KFHJ
Stockton, KJQ, KWG
Venice, KFAV

Colorado:
Boulder, KFAJ
Colorado Springs, KFFQ, KFKZ
Denver, KDZQ, KFAF, KFEL, KFLE, KLZ
Greeley, KFJD, KFKA
Gunnison, KFHA
Lakeside, KFKH
Trinidad, KFBS

Connecticut:
Hartford, WDAK
New Haven, WPAJ
Storrs, WABL

Delaware:
Wilmington, WHAV, WOAT

District of Columbia:
Washington, WABE, WCAP, WEAS, WIL, WJH, WMU, WQAW

Florida:
Jacksonville, WABG, WDAL
Miami, WQAM
Pensacola, WGAN, WLAV
St. Petersburg, WSAG
Tampa, WDAE

Georgia:
Atlanta, WBBF, WSB
Gainesville, WKAY
Macon, WMAZ

Hawaii:
Lihue, KFHS
Honolulu, KDYX, KGU, KYQ

Idaho:
Boise, KFAU, KFDD, KFFB
Kellogg, KFEY
Moscow, KFAN

Illinois:
Belvidere, WOAG, WTAH
Cambridge, WTAP
Carthage, WCAZ
Chicago, KYW, WAAF, WDAP, WJAZ, WMAQ, WSAH, WSAX,
Decatur, WBAO, WHAP
Elgin, WTAS
Galesburg, WRAM
Joliet, WWAE
Lake Forest, WABA
Mattoon, WQAL, WTAN
Oak Park, WTAY
Peoria, WJAN, WQAX
Rockford, KFLV, WIAB
Streator, WTAX
Tuscola, WDZ
Zion, WCBD

Indiana:
Anderson, WABC, WMA
Brookville, WSAL
Greencastle, WLAX
Greentown, WJAK
Indianapolis, WBBI
Lafayette, WBAA
Laporte, WRAF
Marion, WIAQ
Mishawaka, WOAO
Muncie, WJAF
South Bend, WABJ, WGAZ

State, City, Call

Iowa:
Ames, WOI
Atlantic, KFLZ
Boone, KFGQ
Burlington, WIAS, WLAT
Cedar Falls, KFJX
Cedar Rapids, KFLP, WJAM, WKAA
Centerville, WDAX
Davenport, WOC
Dexter, KFJV
Fort Dodge, KFER, KFJY
Gladbrook, KFIK
Iowa City, WHAA
Lamoni, KFFV
Le Mars, KFCY, WIAU
Marshalltown, KFJB
Ottumwa, KFJL
Sigourney, WOAD
Sioux City, KFMR, WEAU
Waterloo, WRAN

Kansas:
Anthony, WBL
El Dorado, WAH
Hutchinson, KFHX
Independence, KFIX
Iola, KFID
Louisburg, KFIL
Manhattan, WTG
Marion, WRAD
Milford, KFKB
Topeka, WJAQ, WPAM
Towanda, KFJW
Wichita, WEAH

Kentucky:
Lexington, WQAH
Louisville, WHAS, WLAP
Winchester, WPAP

Louisiana:
Alexandria, KFFY
Baton Rouge, KFGC
Franklinton, KFLD
New Orleans, WAAB, WAAC, WABZ, WCAG, WGV, WIAF, WTAF, WWL
Shreveport, KFDX, KFHF, WGAQ

Maine:
Bangor, WABI
Houlton, WLAN
Portland, WTAJ

Maryland:
Baltimore, WCAO, WEAR
Frostburg, WPAQ

Massachusetts:
Boston, WNAC, WTAT
Dartmouth, WMAF
Fall River, WSAR, WTAB
Lowell, WQAS
Mattapoisett, WBBG
Medford Hillside, WGI
New Bedford, WDAU
Springfield, WBZ
Worcester, WABK, WDAS

Michigan:
Ann Arbor, WCBC
Dearborn, WWI
Detroit, KOP, WCX, WWJ
E. Lansing, WKAR
Flint, WEAA
Houghton, KFMW, WWAO
Kalamazoo, WLAQ, WOAP
Menominee, KFLB
Niles, KFGZ
Mount Clemens, WABX
Port Huron, WBBH
Saginaw, WABM

Minnesota:
Duluth, KFMS
Hutchinson, WFAN
Minneapolis, KFDZ, KFEX, KFMT, WBAD, WBAH, WCAS, WLAG, WLB
Moorhead, WPAU
Northfield, KFMX, WCAL
St. Cloud, WFAM

Mississippi:
Coldwater, KFNG

Missouri:
Butler, WNAR
Cameron, WFAQ
Cape Girardeau, WSAB
Columbia, WAAN
Jefferson City, WOS
Joplin, WHAH
Kansas City, WDAF, WHB, WMAJ, WMAY, WOQ
Marshall, WJAT
St. Joseph, KFHD
St. Louis, KFEZ, KFGJ, KFIB, KSD, WCK, WEB, WEW, WMAY, WRAO
Springfield, KFNH, WIAI
Walnut Grove, WOAL
Warrensburg, KFNJ

Montana:
Billings, KFCH
Bozeman, KFDO
Butte, KFKV, KFLA

State, City, Call

Havre, KFBB
Missoula, KFLW
Stevensville, KFJR

Nebraska:
Fremont, WOAE
Hastings, KFKX
Lincoln, KFDU, WFAV, WJAB, WMAH
Norfolk, WJAG
Oak, KFEQ
Omaha, KFCZ KFFX, WAAW, WIAK, WNAL, WOAW
Tecumseh, WTAU
University Place, WCAJ
Utica, KFGV
York, KFDR

Nevada:
Reno, KDZK
Sparks, KFFR

New Hampshire:
Laconia, WKAV

New Jersey:
Atlantic City, WHAR
Camden, WABU, WWAF
Lambertville, WTAZ
Newark—WAAM, WABS, WBS, WOR, WRAZ
No. Plainfield, WEAM
Paterson, WBAN
Trenton, WMAL, WOAX, WWAB

New Mexico:
Albuquerque, KFLR
Roswell, KFMZ
State College, KOB

New York:
Albany, WNJ
Buffalo, WGR, WWT
Canadalgua, WSAW
Canton, WCAD
Cazenovia, WMAC
Ithaca, WEAI
Lockport, WMAK
New York City, WBAY, WDAM, WEAF, WHN, WJX, WJY, WJZ, WLAW, WQAO, WWZ
Port Chester, WSAY
Poughkeepsie, WFAF
Rochester, WABO, WHAM
Schenectady, WGY
Syracuse, WBBE, WFAB, WLAH, WNAN
Troy, WHAZ
Utica, WSL

North Carolina:
Asheville, WFAJ
Charlotte, WBT

North Dakota:
Fargo, KFLY, WDAY, WPAK
Grand Forks, KFJM
Wahpeton, WMAW

Ohio:
Cincinnati, WAAD, WHAG, WLW, WSAI
Cleveland, KDPM, WHK, WJAX, WTAM
Columbus, WBAV, WCAH, WEAO, WMAN, WPAL
Dayton, WABD
Dover, WABP
Granville, WJD
Lima, WOAC
Marietta, WBAW, WCAH
Newark, WBBA
New Lebanon, WPG
Pomeroy, WSAZ
Sandusky, WABH, WQAF
Springfield, WNAP
Toledo, WABR, WTAL
Wooster, WABW
Yellow Springs, WRAV

Oklahoma:
Bristow, KFJK
Chickasha, KFGD
Norman, WNAD
Oklahoma City, KFJF, WKY, WMAB
Okmulgee, WPAC
Tulsa, WEH, WLAL

Oregon:
Arlington, KFGL
Astoria, KFJI
Baker, KFDA
Corvallis, KFDJ
Hillsboro, KFFO
Hood River, KFHB, KQP
Medford, KFAY
Pendleton, KFFE
Portland, KDYQ, KFEC, KFIF, KGG, KGN, KGW

Pennsylvania:
Allentown, WCBA, WSAN
Altoona, WGAW
Easton, WMAP
East Pittsburgh, KDKA
Erie, WOAV

State, City, Call

Grove City, WSAJ
Harrisburg, WABB, WBAK
Haverford, WABQ
Johnstown, WTAC
Lancaster, WDBC, WGAL
McKeesport, WIK
Parkesburg, WQAA
Philadelphia, WABY, WCAU, WDAR, WFI, WGL, WIAD, WIP, WNAT, WOO, WWAD
Pittsburgh, KQV, WCAE, WCAU, WJAS
Reading, WBBD
Scranton, WQAN
State College, WPAB
Villanova, WCAM
Washington, WABT
Wilkes-Barre, WBAX

Porto Rico:
San Juan, WKAQ

Rhode Island:
Cranston, WKAP
E. Providence, WKAD
Providence, WEAN, WJAR, WRAH, WSAD, WTAG

South Carolina:
Charleston, WNAQ, WOAH
Clemson College, WSAC
Greenville, WQAV

South Dakota:
Brookings, KFDY
Rapid City, WCAT
Sioux Falls, WFAT
Vermilion, WEAJ
Yankton, WNAX

Tennessee:
Knoxville, WNAV
Lawrenceburg, WOAN
Memphis, WMC
Nashville, WABV

Texas:
Abilene, WQAQ
Amarillo, WDAG, WQAC
Austin, WCM
College Station, WTAW
Dallas, KFFZ, WDAO, WFAA, WRR
El Paso, WDAH
Fort Worth, KFJZ, WBAP
Galveston, KFLX, WHAB, WIAC
Houston, KFCV, WCAK, WEAY, WEV, WRAA
Orange, KFGX
Plainview, WSAT
Port Arthur, WFAH
San Antonio, WCAR, WOAI
San Benito, KFLU
San Marcos, KFMU
Tyler, WOAF
Waco, WJAD, WLAJ, WWAC
Wichita Falls, WKAF

Utah:
Ogden, KFCP
Salt Lake City, KDYL, KFLH, KZN

Vermont:
Bellows Falls, WLAK
Burlington, WCAX
Springfield, WQAE

Virginia:
Ft. Monroe, WNAW
Norfolk, WTAR

Washington:
Aberdeen, KNT
Bellingham, KDZR
Everett, KFBL
Lacey, KGY
Neah Bay, KFHH
Pullman, KFAE
Seattle, KDZE, KDZT, KFHR, KFIY, KFJC, KFOA, KHQ, KJR, KTW
Spokane, KFIO
Tacoma, KFBG, KFEJ, KGB, KMO
Walla Walla, KFCF
Wenatchee, KDZI, KZV
Yakima, KFIQ, KQT

West Virginia:
Charleston, WPAZ
Clarksburg, WHAK

Wisconsin:
Beloit, WKAW
Fond du Lac, KFIZ
La Crosse, WABN
Madison, WGAY, WHA
Milwaukee, WCAY, WHAD, WIAO
Neenah, WIAJ
Osseo, WTAQ
St. Croix Falls, WRAL
Waupaca, WPAH

Wyoming:
Casper, KFEV
Laramie, KFBU

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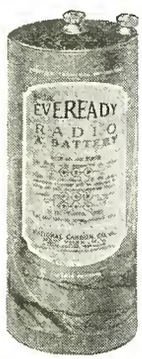
Eveready gives you the right battery *for every radio use!*

EACH Eveready Radio Battery represents thirty years of battery building experience. Each Eveready Battery represents millions of dollars invested in men, methods and machinery. Overseeing Eveready production is the greatest battery laboratory known to science, where every particle of raw material is required to pass Eveready's exacting tests. To insure Eveready serviceability, batches of Eveready Batteries are constantly being set aside for performance tests. And, finally, daily shipments keep dealers supplied with fresh Eveready Batteries, packed full of power.

To be certain of battery satisfaction, insist on Eveready Radio Batteries—they last longer.

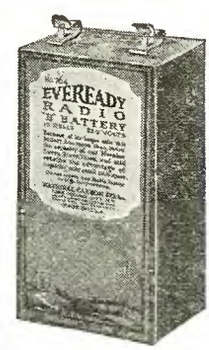


EVEREADY Radio Batteries

—they last longer

The radio dry cell triumphant

For economical, satisfactory radio, light the filaments of your dry cell tubes with the Eveready Dry Cell Radio "A" Battery. Will unfailingly outlast any other at ⅛ ampere current. Full instructions for getting this Economical Eighth, on labels and in our booklets. This battery will exceed your expectations in economy and performance.



Equal to all demands

Power flows from your "B" Battery, power that gives life to your head-phones or loud speaker. Some tubes draw more "B" Battery current than others, but whatever the tube or tubes you use, Eveready "B" Batteries will give you maximum results. Eveready "B" Batteries are made in six sizes, for all possible uses. Always use the biggest possible battery, for it contains more energy in proportion to cost, and lasts longer.

This battery is a wonder worker

Eveready's biggest contribution to economical and more satisfying radio is the Eveready "C" Battery, a triple-use, universal battery. It will make the loud speaker respond with a new fullness and naturalness of tone, and save much money by making the "B" Battery last still longer. Connect it with the grids of audio frequency amplifiers and notice the big difference. Can also be used as an "A" Battery for 199-type tubes in portable sets, and as a "B" Battery booster. Eveready Radio Battery No. 771—use it!

NATIONAL CARBON COMPANY, Inc., New York and San Francisco

Headquarters for Radio Battery Information

CANADIAN NATIONAL CARBON CO., Limited. *Factory and Offices:* Toronto, Ontario

Informative and money-saving booklets on radio batteries sent free on request. If you have any radio battery problems, write to G. C. Furness, Manager, Radio Division, National Carbon Co., Inc., 206 Orton Street, Long Island City, N. Y.

"THE AIR IS FULL OF THINGS YOU SHOULDN'T MISS"

www.americanradiohistory.com

LOG SHEET
Personal Receiver Record

Call	City	Date	Time	Miles	Remarks

LOG SHEET
Personal Receiver Record

Call	City	Date	Time	Miles	Remarks

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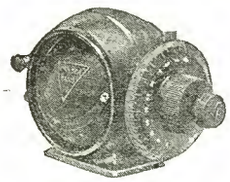
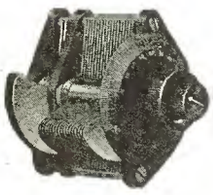
CHELSEA

CHELSEA RADIO EQUIPMENT

THE PRINCIPAL reason for success or failure in any receiving circuit is the quality of the individual parts used. We attribute the remarkable results obtained by our complete receivers largely to the efficiency of the Chelsea parts used. We now offer the identical parts which are responsible for the success of Chelsea Receivers. These parts are listed below and when used in any circuit will add to its efficiency.



No. 80 Variometer. Price $8.00. Designed for maximum efficiency and great range, employing many unique features. Stator and rotor forms of moulded bakelite. Resistance at a minimum insuring sharper tuning. Designed for both panel and table mounting and sold with knob and dial and vernier.



Panel Mounting Vernier Variable Condensers. Have spiral connections to the rotor element, eliminating noises from friction contacts commonly used. Great care in the selection of material and in the design assure you of low energy losses and highest possible efficiency.

	Plates	*Cap*	*Price*
No. 8	46	.001	$5.00
No. 10	26	.0005	4.50
No. 12	14	.00025	4.25

Panel Mounting Variable Condensers. These condensers employ all of the many features incorporated in the Chelsea line of condensers and are built for panel mounting. They carry the usual Chelsea guarantee.

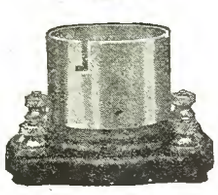
	Plates	*Cap*	*Price*
No. 3	43	.001	$3.25
No. 4	23	.0005	3.00
No. 5	11	.00025	2.75
No. 6	3	Vernier	2.05

Panel Mounting Rheostats. Similar in construction and appearance to the table mounting rheostats except that they are built for panel mounting and are equipped with knob and dial. The base, knob and dial are of moulded bakelite.

No. 23 7½ ohms. **Price** $1.40
No. 23A 30 ohms. **Price** 1.40

Chelsea Moulded Dials. Chelsea dials are moulded of genuine bakelite, beautifully finished with deep set and sharply defined characters. Chelsea dials run true and will not warp. They have a scale of 0 to 100.

	Dia.	*Shaft*	*Price*
No. 41	3¼"	¼"	$0.45
No. 41A	3¼"	3/16"	.45
No. 44	4"	¼"	.50
No. 44A	4"	3/16"	.50



Chelsea No. 60 Bakelite Socket. Price $0.75. The base of this socket is genuine moulded bakelite and supports four readily accessible binding posts. The tube receptacle is highly polished nickel and will take any standard make of detector or amplifier tube.

No. 90 Variocoupler. Price $8.00. Designed as a companion piece for No. 80 variometer. Stator and rotor forms of moulded bakelite. Resistance losses at a minimum insuring sharp tuning. Its pleasing appearance appeals to the eye and its sturdy construction insures freedom from mechanical troubles. Sold complete with knob and dial.

Table Mounting Vernier Variable Condensers. These table mounting condensers are of added value wherever a radio set is used. Genuine bakelite is the only insulating material used. It is indestructible and is one of the best known insulators in the radio field.

	Plates	*Cap*	*Price*
No. 7	39	.001	$6.75
No. 9	21	.0005	6.25

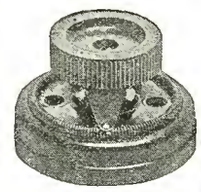


Table Mounting Rheostats. Chelsea rheostats are equipped with a non-corrosive resistance element with proper carrying capacity and resistance to handle present-day tubes. The base and knob are of moulded bakelite. Chelsea rheostats embody proper electrical characteristics, highest quality materials and workmanship and attractive appearance.

No. 22 7½ ohms. **Price** $1.00
No. 22A 30 ohms. **Price** 1.00

No. 50 Audio Frequency Amplifying Transformer. Price $4.50. Chelsea No. 50 transformer is already one of the most popular in the field, it gives amplification of signals not surpassed by any other. The insulation is genuine bakelite and the core of highest quality silicon steel. The coil is moisture proof and tested with 500 volts. Chelsea transformers produce no distortion, are noiseless and efficient.

Chelsea Moulded dials. These dials like other Chelsea products are of moulded bakelite. They will not warp and are guaranteed to run true. Have a scale range of 0-80. Designed principally for use on panel mounting rheostats.

	Dia.	*Shaft*	*Price*
No. 43	2⅝"	¼"	$0.40
No. 43A	2⅝"	3/16"	.40

Chelsea No. 61 Moulded Socket. Price $0.50. This socket is similar in design to our No. 60 and is built to take the popular No. 199 tube. It is moulded of genuine bakelite and has four easily accessible binding posts. Positive connection is assured at all times by the use of four heavy phosphor bronze contact springs.

Write for Bulletin No. 11 Describing New Radio Frequency Equipment

CHELSEA RADIO COMPANY

173 SPRUCE STREET - - CHELSEA, MASSACHUSETTS

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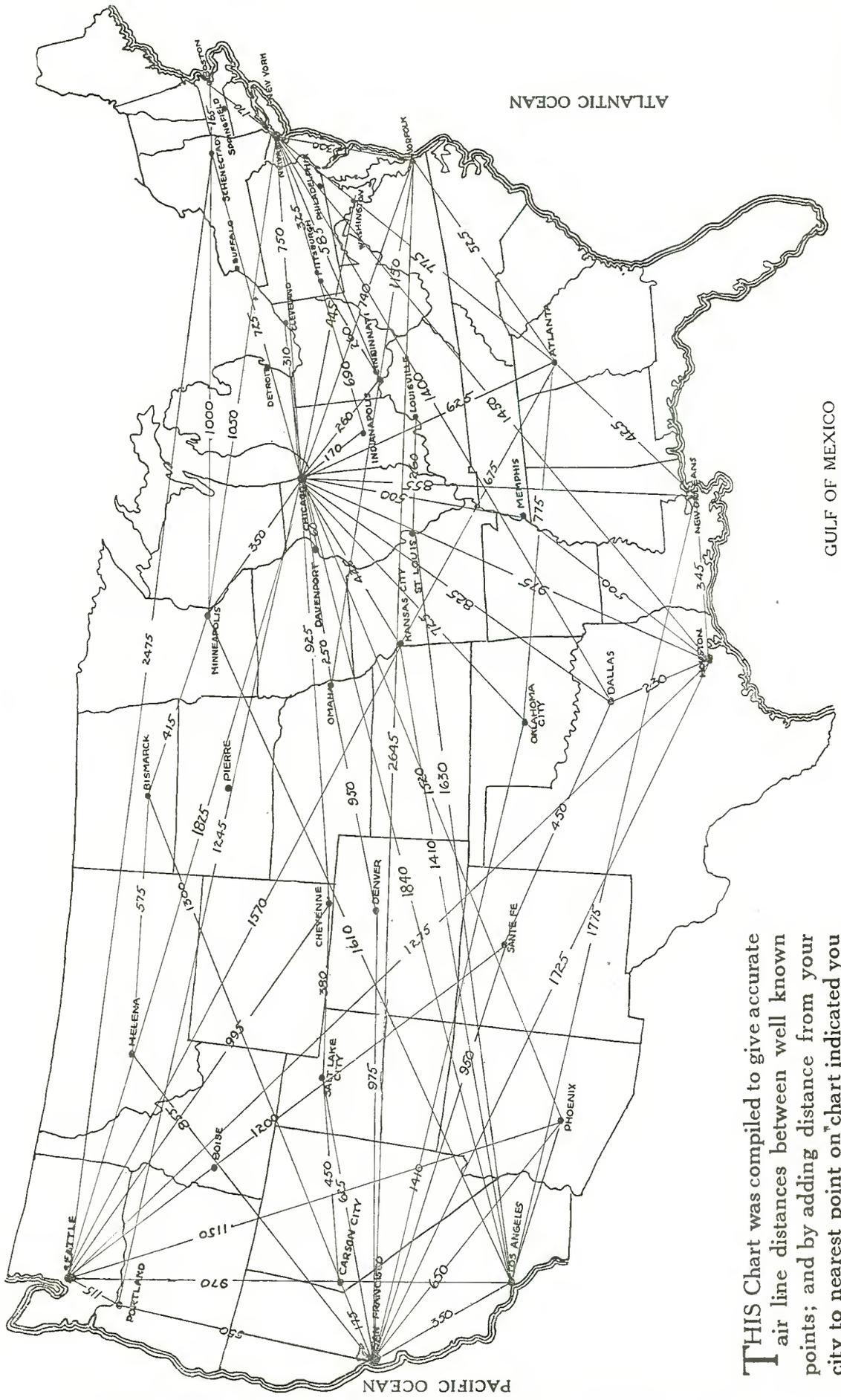
Air Line Distance Chart



Compiled by
CITIZENS RADIO
SERVICE BUREAU
Copyrighted 1923

THIS Chart was compiled to give accurate air line distances between well known points; and by adding distance from your city to nearest point on chart indicated you will have approximate distance between transmitting station and your receiver.

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Announcing
the Type
R-100

ALL-AMERICAN

L-O-N-G W-A-V-E

RADIO FREQUENCY TRANSFORMER

4000 to 10,000 meters

(75 to 30 K. C.)

Suitable for all long wave radio frequency circuits such as Reflex, Heterodyne, Ultradyne, etc. Designed by the same engineers who created the celebrated All-American Audio Radio and Power Amplifying Transformers. Placed on the market only after long and thorough tests. Again All-American leads!

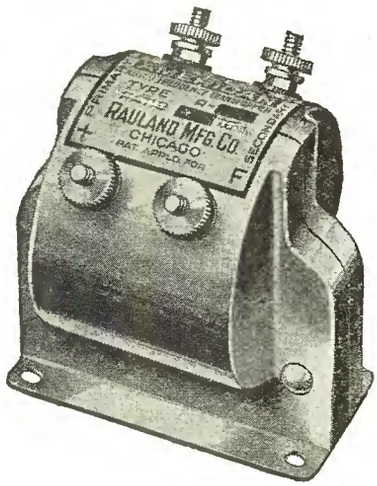
RAULAND MFG. CO., 2650 Coyne St., CHICAGO

Pioneers in the Industry

Windings of extremely low capacitance, properly treated and impregnated.

Housed in a handsomely nickel-plated shell of same physical design as All-American Audio Frequency Transformers—to insure ease of assembly and neatness.

Shielded to prevent inter-stage coupling or reaction.



All-American Amplifying Transformers are the largest selling transformers on the market.

The favorites of the fans!

Standard on the better sets.

Over 600,000 in service.

All the better dealers sell the All-American.

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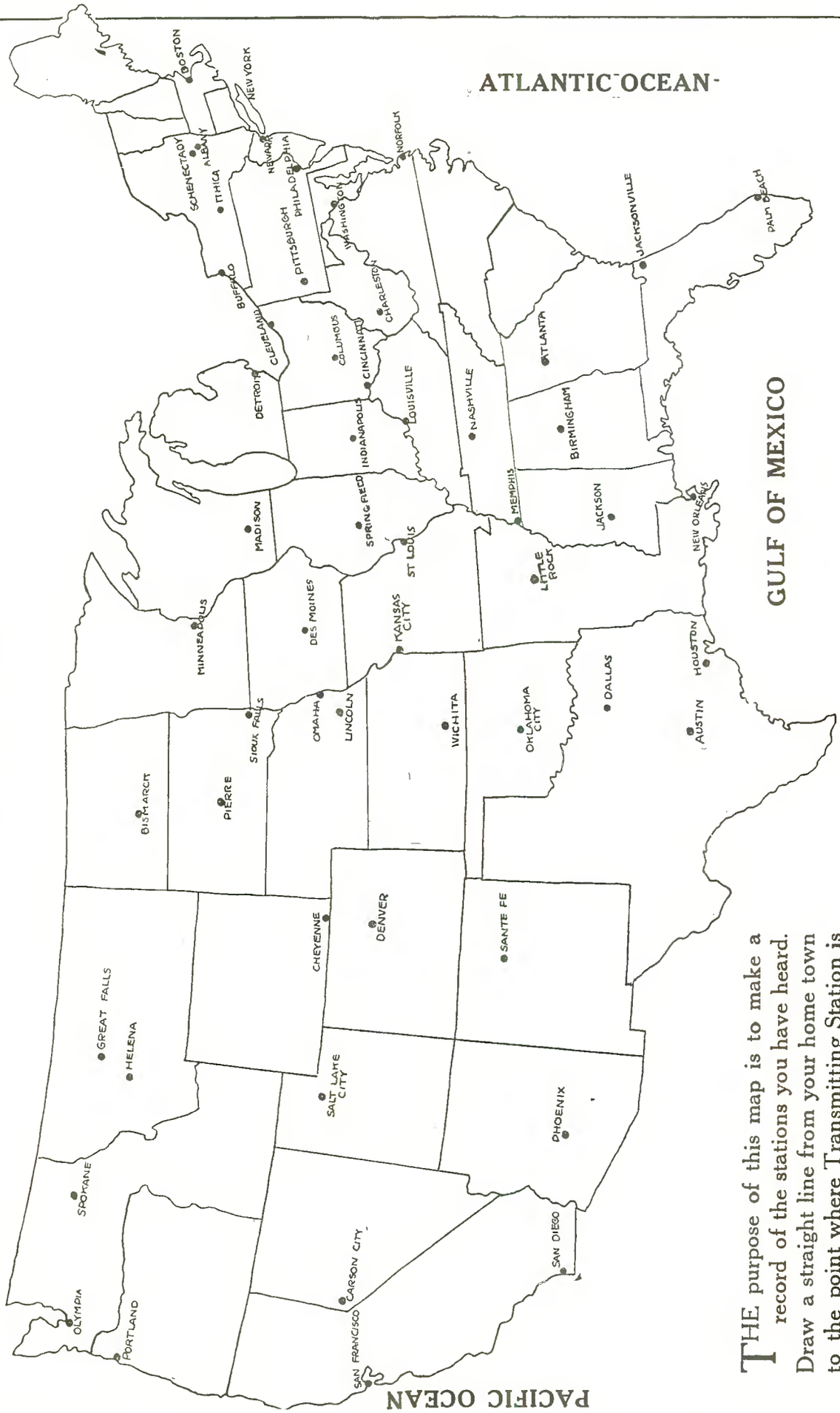
Blank Recording Map



THE purpose of this map is to make a record of the stations you have heard. Draw a straight line from your home town to the point where Transmitting Station is located.

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Freed—Radio

An Ideal

When the *Freed-Eisemann* Radio Corporation first undertook the manufacture of a receiver embodying the Neutrodyne circuit invented by Professor L. A. Hazeltine, its engineering staff reported the new principle to be an epoch making advance in the Radio art.

They were instructed, as usual, in designing a receiver for broadcast reception, to build the best instrument that skilled engineering and research could devise. They were told, as usual, to disregard the cost under the theory that the discriminating radio public wanted the *best* and were willing to pay the slightly higher cost that always attends higher quality.

That the master Radio craftsmen in the *Freed-Eisemann* plant are taxed to their utmost to fill the demand for the great receiver is mute testimony to the correctness of this ideal.

Freed-Eisemann
RADIO CORPORATION
SPERRY BLDG., Man. Bridge Plaza, BROOKLYN, N. Y.

www.americanradiohistory.com

Eisemann Corporation

FREED EISEMANN CORPORATION APPARATUS

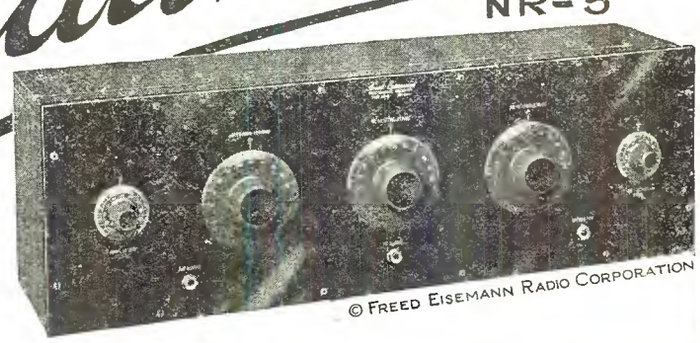
That the Model N R 5, five tube, non-reflex Neutrodyne Receiver is the last word in the Radio art, is a compliment paid not only by thousands of enthusiastic amateurs, but by such critics as well known radio engineers, radio editors and experimenters whose experience covers the whole field of modern radio.

The *Freed-Eisemann* commendatory files are crowded with enthusiastic letters from men whose conclusions are backed by years of Radio experience.

Naturally the supply is limited. No sacrifice of quality will ever be made in this institution to gain quantity production. Trained men build this receiver—not mere assemblers—each of the three hundred men employed in its construction are proud of it—just as they are proud of this organization having been selected as the builders of new receivers for the United States Government. This pride extends itself to every satisfied owner. One man tells another and therein lies the reputation which the ***Freed-Eisemann*** Radio Corporation enjoys.

A Realization

NR-5



© Freed Eisemann Radio Corporation

Freed-Eisemann
RADIO CORPORATION
SPERRY BLDG., Man. Bridge Plaza, BROOKLYN, N.Y.

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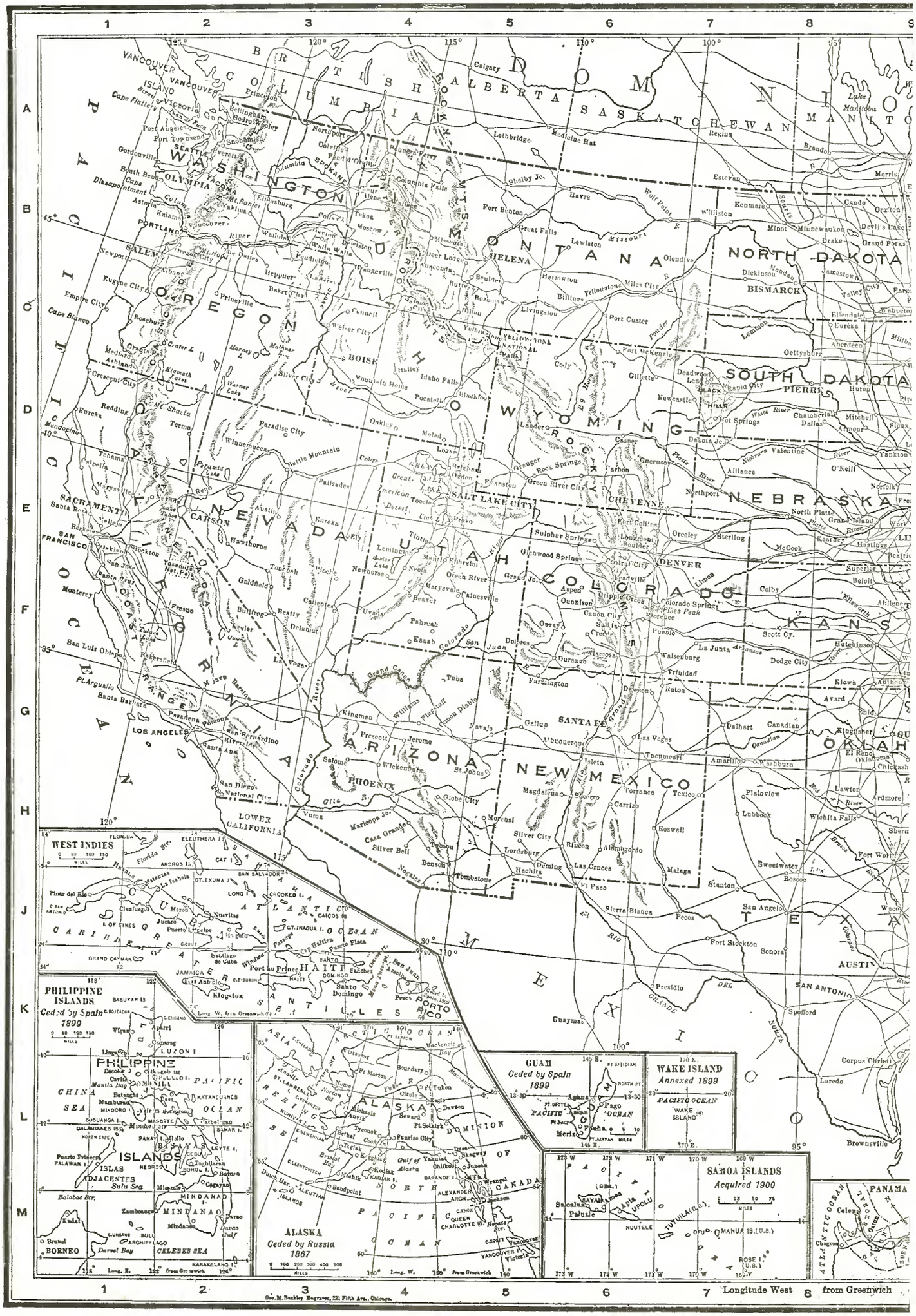
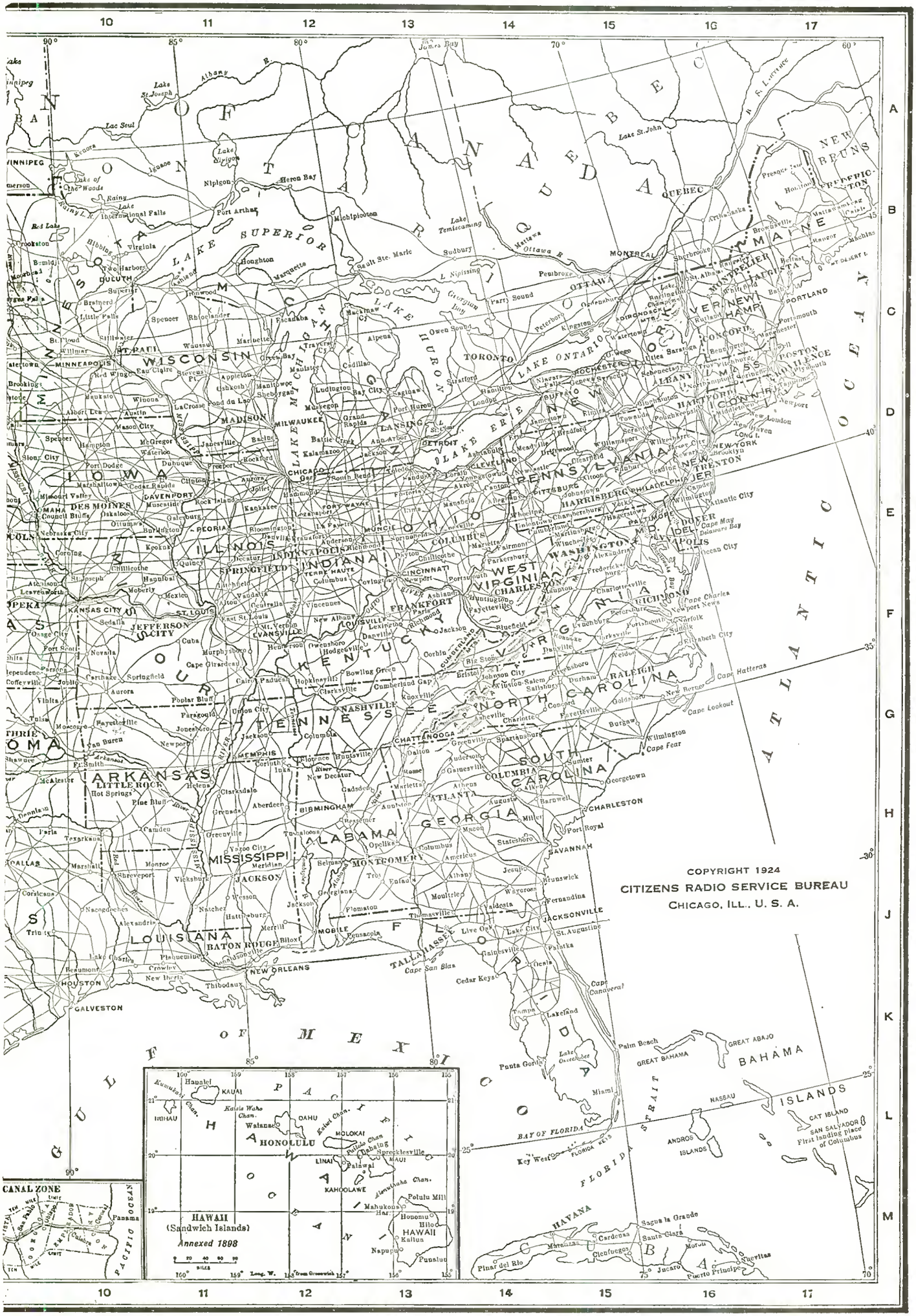
MAP OF THE



A Large Copy of this Map will be Mailed

www.americanradiohistory.com

UNITED STATES



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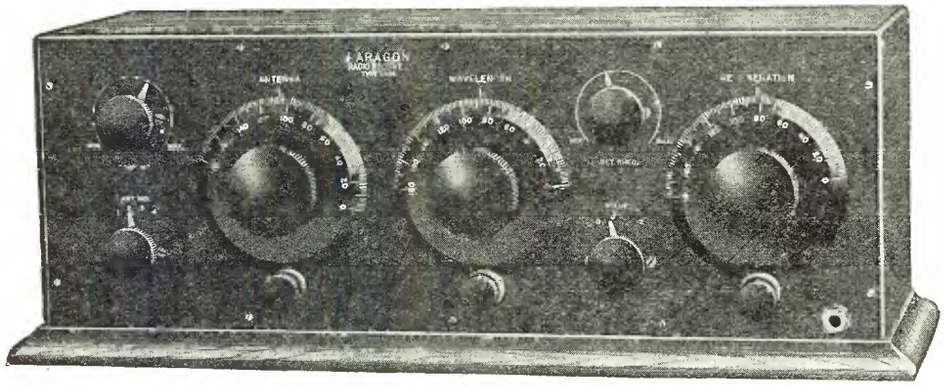


Type RB-2 Price $135.00

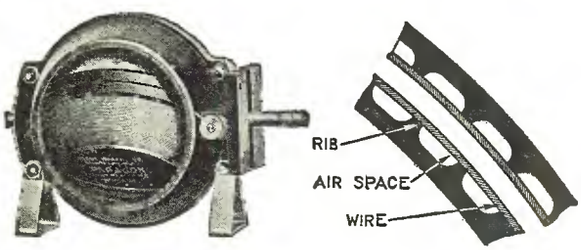
Radio Control

A ship without a rudder merely drifts aimlessly. A radio set that can't be tuned to the program you want to hear is like a ship without a rudder. You can't steer it where you want to go.

The PARAGON RB-2, here illustrated, because of its superior selectivity and sensitivity enables you to choose between broadcasting stations of practically the same signal strength. If you like music, just listen to the musical numbers. If you prefer speeches or talks, listen only to them.

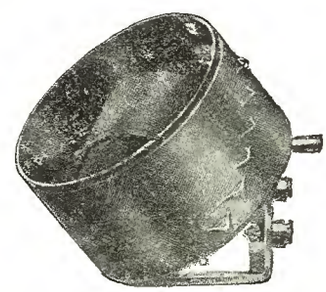
And furthermore, with a PARAGON set you can hear what you tune in on clearly and distinctly without scratching or jamming from beginning to end.

The RB-2 is not only mechanically perfect and beautiful in appearance, but it has a "steering gear" that will take you to the program you want and will reproduce that program with a tone quality that makes listening-in a real pleasure.



Paragon Variometer No. 60

Possesses the ideal advantages of coils surrounded by air and, at the same time, essential mechanical strength. The small clearance between rotor and stator coils gives an inductance ratio of approximately ten to one and a wave length ratio from maximum to minimum setting of about three to one. Price $5.00.



Paragon Variocoupler No. 65

Coils are double silk covered wire wound on moulded, black, Condensite tubes with highly polished finish. Only multiple turn taps are brought out in the primary. Single turn taps and switch for same are unnecessary. Over the lower portion of the coupling range a very fine control is possible. Price $3.50.

An illustrated Catalog of Paragon Radio Products is yours for the asking.

Dealers: We believe in the proper distribution of Paragon Radio Products. Our Exclusive Distributors are particularly interested in territorially protected dealers, who will concentrate, solicit and serve the consumer in the sale of Paragon Radio Receivers. If interested, write us for details.

ADAMS-MORGAN CO., 32 Alvin Avenue, Upper Monclair, N. J.

PARAGON

Reg. U. S. Pat. Off.

RADIO PRODUCTS

www.americanradiohistory.com

Amateur Radio Stations of the First District

Headquarters: Radio Inspector, First District Customhouse, Boston, Massachusetts.
The first district embraces the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.

1AA—W. E. Heckman, 119 Windermere Rd., Auburndale, Mass.
1AAA—Edw. Bosma, 458 Huntington Ave., Boston, Mass.
1AAB—L. M. Jordon, 36 Glen Rd., Winchester, Mass.
1AAC—E. H. Gibbs, 362 Franklin St., Framingham, Mass.
1AAD—J. A. Robertson, 15 Lincoln St., Framingham, Mass.
1AAE—R. P. Jennings, 6 Herbert St., Lynn, Mass.
1AAF—C. Pendergast, Jr., 641 Huntington Ave., Boston, Mass.
1AAG—R. S. Quimley, 1 Shummay Cr., Wakefield, Mass.
1AAH—C. A. Kunz, 9 Harris Ave., Jamaica Plain, Mass.
1AAI—R. L. Briggs, 31 Central Ave., Hyde Park, Mass.
1AAJ—F. W. Morley, 139 Beacon St., Hyde Park, Mass.
1AAK—J. L. Vogel, 35 Morton St., Hyde Park, Mass.
1AAL—R. S. Brown, 398 Lake Ave., Worcester, Mass.
1AAM—J. W. Reil, 10 Depot St., Hydeville, Vt.
1AAN—A. Fern, 12 Essex St., Hartford, Conn.
1AAO—R. F. Chase, 29 Bradlee St., Dorchester, Mass.
1AAP—C. A. Langworthy, R. D. 1, Westerly, R. I.
1AAQ—H. J. Mistler, 9 Conant St., Roxbury, Mass.
1AAR—R. F. Hobart, 570 Hyde Park Ave., Roslindale, Mass.
1AAS—J. F. Deacon, 33 Pope St., Newport, R. I.
1AAT—R. W. Carder, Chardon Rd., W. Medford, Mass.
1AAU—A. A. Learned, 76 Camp St., Providence, R. I.
1AAV—J. S. Ward, 353 Spring St., Newport, R. I.
1AAW—K. Sanders, W. Main St., Georgetown, Mass
1AAX—H. E. Davis, 796 Noble Ave., Bridgeport, Conn.
1AAY—R. M. Gold, 197 Beech St., Holyoke, Mass.
1AAZ—G. I. Bonham, 194 Park Rd., West Hartford, Conn.
1AB—H. M. Lane, 27 Linnaean St., Cambridge, Mass.
1ABA—R. S. Moffett, 3 Pease Ave., Monson, Mass.
1ABB—S. E. Whiting, 2019 Park Ave., Bridgeport, Conn.
1ABC—A. Z. Smith, 12 Russell Ave., E. Providence, R. I.
1ABD—E. T. Ballou, 35 W. Main St., Ware, Mass.
1ABE—F. J. Walsh, 21 Perkins Ave., Hyde Park, Mass.
1ABF—C. T. Jorey, 253 Bliss Rd., Longmeadow, Mass.
1ABG—J. C. Manoog, 111 Chandler Ave., Worcester, Mass.
1ABH—W. J. Brigham, 4 Pleasant Ave., Somerville, Mass.
1ABI—R. H. Fiedler, 70 Sargent St., Lawrence, Mass.
1ABJ—H. E. Hanson, 312 Savin Hill Ave., Dorchester, Mass.
1ABK—Unassigned.
1ABL—Unassigned.
1ABM—H. Kulikowski, 843 Main St., Ansonia, Mass.
1ABN—R. MacComiskey, 82 Main St., Leominster, Mass.
1ABO—L. D. Pritchard, 253 South St., Pittsfield, Mass.
1ABP—W. J. Cummings, 42 Glenwood Ave., Eden Park, R.I.
1ABQ—A. C. Seelye, 66 William St., Worcester, Mass.
1ABR—C. T. Downes, 1, Hartford St., Boston, Mass.
1ABS—J. Lyman, North Perry, Me.
1ABT—Unassigned
1ABU—N. T. Young, 64 Prospect St., Marlboro, Mass.
1ABV—L. W. Colby, 10 Wellington St., Melfuen, Mass.
1ABW—G. R. Hall, 209 Lippitt St., Providence, R. I.
1ABX—W. E. Dickson, 59 Hamden Cr., Wollaston, Mass.
1ABY—H. E. Powers, 165 Pond Rd., Leominster, Mass.
1ABZ—H. Hotchkiss, 66 Goddard Ave., Bridgeport, Conn.
1AC—L. L. Perkins, 260 Walnut St., Brookline, Mass.
1ACA—L. A. Didsbury, 469 Putnam St., Bridgeport, Conn.
1ACB—E. N. Scott, Jr., Brookside Dr., Greenwich, Conn.
1ACC—A. R. Sherman, 39 Chatham Rd., Everett, Mass.
1ACD—F. A. Almquist, 21 Clarendon St., Quincy, Mass.
1ACE—H. H. Soule, Jr., Fort Hill Ave., Duxbury, Mass.
1ACF—F. Donato, 882 Howard Ave., New Haven, Conn.
1ACG—C. T. Venstrom, 49 Highland Ave., Everett, Mass.
1ACH—G. D. Sprague, 49 Elm St., Wellesley Mills, Mass.
1ACI—E. N. Pease, 72 South St., Plymouth, Mass.
1ACJ—H. H. Johnson, 38 Beal St., Winthrop, Mass.
1ACK—D. A. Peterson, 54 Hobson St., Brighton, Mass.
1ACL—D. E. Keeney, 67 Sycamore St., Holyoke, Mass.
1ACM—J. A. Mulligan, Shawshun Village, Andover, Mass.
1ACN—G. Dionne, 61 S. Elm St., Bristol, Conn.
1ACO—J. E. Pomeroy, Jr., 75½ Court St., Bath, Me.
1ACP—G. G. Starkey, 800 Water St., Fitchburg, Mass.
1ACQ—W. R. Kelleher, 46 Kenwood Ave., Worcester, Mass.
1ACR—A. Weidman, 18 Gothland St., Quincy, Mass.
1ACS—Unassigned
1ACT—M. W. Breman, 77 Mechanic St., Westerly, R. I.
1ACU—P. D. Baldwin, Groton Long Point, Conn.
1ACV—R. G. Blickensderfer, 12 Gill St., Exeter, N. H.
1ACW—L. M. Webb, 29 Taylor Ave., Bethel, Conn.
1ACX—H. M. Dunton, 225 Sawyer St., So. Portland, Me.
1ACY—R. L. Orrill, 65 High St., Orange, Mass.
1ACZ—R. Bryant, 75 N. Cliff St., Ansonia, Conn.
1AD—C. S. Doe, 13 Artwill St., Milton, Mass.
1ADA—F. E. Thompson, 119 Webster St., Haverhill, Mass.
1ADB—J. Woelgesy, Box 284, Fairfield, Conn.
1ADC—W. R. Gifford, Jr., York Harbor, Me.
1ADD—T. H. Baldwin, Jr., Beech Dr., Norwich, Conn.
1ADE—T. A. Stevens, 79 Union St., Deer River, Conn.
1ADF—Earl G. Ham, 118 Brackett St., Portland, Me.
1ADG—H. H. Hollis, 22 Cleveland Ave., Braintree, Mass.
1ADH—P. B. Stearns, 71 Pierce St., Greenfield, Mass.
1ADI—Unassigned
1ADJ—T. H. Kearney, 14 Veres Ave., Fairfield, Conn.
1ADK—C. T. Wilson, 35 Millett Road, Swampscott, Mass.
1ADL—H. L. Rice, 191 Jewett St., Manchester, N. H
1ADM—C. Schelly, 739 School St., West, Mansfield, Mass.
1ADN—E. D. Gibbs, 128 Prescott St., Clinton, Mass.
1ADO—E. Shepard, 106 Main St., Southington, Conn.
1ADP—G. W. Tucker, Tariffville, Conn.
1ADQ—R. H. McKinney, McLoons Wharf, Rockland, Me.
1ADR—E. E. Turner, Jr., 27 Wyman St., Jam. Pln., Mass.
1ADS—R. Newton, Bank St., Burlington, Vt.
1ADT—W. H. Parker, Jr., 246 Broadway, Somerville, Mass.
1ADU—W. A. Greenlaw, Jr., 40 Botolph St., Melrose Highlands, Mass.
1ADV—B. Brewster, 942 High St., Dedham, Mass.
1ADW—E. E. Chapman, 702 Newport Av., Attleboro, Mass.
1ADX—H. W. Fuller, Hiller St., Marion, Mass.
1ADY—C. A. Winsby, 6 Lincoln St., Somerville, Mass.
1ADZ—R. F. Shea, Hummarock Village, Scituate, Mass.
1AE—S. B. Young, 294 Ashmont St., Dorchester, Mass.
1AEA—J. A. Sjogren, 33 Maltby Pl., New Haven, Conn.
1AEB—H. W. Sternberg, 26 Monroe St., Meriden, Conn.
1AEC—W. R. Greenman, South St., Grafton, Mass.
1AED—L. N. Gordon, 17 Circuit St., Melrose, Mass.
1AEE—F. N. Haley, 113 Grove St., Lynn, Mass.
1AEF—J. D. Clement, 123 Adams St., Waltham, Mass.
1AEG—G. Peterson, Jr., Hillside Av., East. Point, Conn.
1AEH—W. T. Silver, King St., Boscawen, N. H.
1AEI—C. P. Kenyon, 42 Bassett St., Providence, R. I.
1AEJ—W. Vetromile, 9 Bradford St., Everett, Mass.
1AEK—E. R. Ransom, 106 Pleasant St., Bennington, Vt.
1AEL—F. C. Beekley, Silver Lane, Hartford, Conn.
1AEM—M. F. Goodell, 79 Blossom St., Chelsea, Mass.
1AEN—C. E. Winsor, 318 Spruce St., Chelsea, Mass.
1AEO—Unassigned
1AEP—C. S. Bragdon, 31 Linden St., Springfield, Mass.
1AEQ—H. Richardson, 56 Grove St., Dover, N. H.
1AER—L. R. Virgin, 270 N. State St., Concord, N. H.
1AES—H. E. LeMarche, 71 George St., Attleboro, Mass.
1AET—E. T. Stubbs, 1 Bennett St., Sanford, Me.
1AEU—C. P. Lougee, 26 Avery St., Laconia, N. H.
1AEV—C. R. Washburn, Wareham St., Marion, Mass.
1AEW—L. D. Geno, Cain St., Proctor, Vt.
1AEX—L. J. King, 32 Rackleff St., Portland, Me.
1AEY—G. D. H. Wood, 43 York St., Poultney, Vt.
1AEZ—J. F. White, Jr., 85 Wel. Hill St., Mattapan, Mass.
1AF—Harvard Wireless Club, Har. Union, Cambridge, Mass.
1AFA—W. J. McKee, 45 Kenwood Ave., Worcester, Mass.
1AFB—N. H. Colby, New London, N.H.
1AFC—R. A. Hilferty, Box 102, Maynard, Mass.
1AFD—H. J. O'Connell, 5 King St., Dorchester, Mass.
1AFE—P. Shaw, 165 Hackmatack St., S. Manchester, Conn.
1AFF—W. F. Manning, 35 Pond St., Natick, Mass.
1AFG—M. A. Chapman, 535 Vinton St., Manchester, N. H.
1AFH—W. F. Crocker, 5 Salem St., Reading, Mass.
1AFI—O. L. Paquette, 95 Norwood St., Newtonville, Mass.
1AFJ—Unassigned
1AFK—Milton Academy, Milton, Mass.
1AFL—G. J. Sanders, 66 Adelaide Ave., Waterbury, Conn.
1AFM—H. A. White, 17 Prairie Ave., Auburndale, Mass.
1AFN—T. C. Howard, Second Beach Rd., Newport, R. I.
1AFO—L. W. Flint, 23 Laurence St., Wakefield, Mass.
1AFP—A. R. Miller, 42 Ellington St., Longmeadow, Mass.
1AFQ—F. W. Steitz, 18 Jackson St., Holyoke, Mass.
1AFR—F. Buck, Jr., Fort Adams, R. I.
1AFS—J. J. Bullman, 7 Buckingham St., Readville, Mass.
1AFT—F. A. Bedley, 75 Howard St., Reading, Mass.
1AFU—R. C. Lincoln, R.F.D. 3, Box 132, Attleboro, Mass.
1AFV—F. C. Estey, 11 Mt. Vernon St., Salem, Mass.
1AFW—R. R. Noble, 48 Lancey St., Pittsfield, Me.
1AFX—A. Whitman, 73 Payne St., Quincy, Mass.
1AFY—Unassigned
1AFZ—W. C. Bohn, 25 Blakeslee St., Cambridge, Mass.
1AG—A. J. Pote, 417 Washington Ave., Chelsea, Mass.
1AGA—D. R. Gavitt, 8 Branch Ave., Eden Park, R. I.
1AGB—Beverly High School, Beverly, Mass.
1AGC—A. T. Learned, Brown Univ., Providence, R. I.
1AGD—H. L. Bettincourt, 111 Cedar St., Somerville, Mass.
1AGE—C. S. Newcomb, Main St., Presque Isle, Me.
1AGF—J. H. Braun, Branford, Conn.
1AGG—C. P. Lynch, 58 Columbus Ave., Somerville, Mass.
1AGH—S. Hagoblan, 28 Bradley St., Bridgeport, Conn.
1AGI—F. M. Doolittle, 167 Willard St., New Haven, Conn.
1AGJ—P. F. Healey, 27 N. Camb'n Av., N.Camb'ge, Mass.
1AGK—M. H. Leach, 24 Bodwell St., Dorchester, Mass.
1AGL—V. B. Cushman, Summer St., Kingston, Mass.
1AGM—H. A. Tadgell, 110 Porter St., Somerville, Mass.
1AGN—W. N. Adam, 193 Whitman St., E. Bridgew'r, Mass.
1AGO—C. W. Lewis, Washburn, Me.
1AGP—T. J. Gridley, Springfield, Mass.
1AGQ—T. Miller, 18 Conant St., Boston, Mass.
1AGR—C. M. Capen, 22 Morse Ave., Norwood, Mass.
1AGS—L. L. McMasyer, 36 Yale Ave., Wakefield, Mass.
1AGT—T. P. Hickey, 14 Denny St., Worcester, Mass.
1AGU—B. M. Harrison, 19 Auburn St., Everett, Mass.
1AGV—M. H. Allen, Watertown, Mass.
1AGW—R. H. Nance, 118 Glen Ave., Newton Center, Mass.
1AGX—U. E. Duval, Worcester, Mass.
1AGY—A. N. Fay, 22 Arlington, Chicopee Falls, Mass.
1AGZ—J. C. Thoresen, 63 Moorland Ave., Cranston, R. I.
1AH—W. E. Neff, Jr., 66 Windsor St., Waterbury, Conn.
1AHA—Unassigned
1AHB—A. T. Turner, 62 Windsor Road, Waban, Mass.
1AHC—S. A. Olson, 35 Hollingsworth St., Lynn, Mass.
1AHD—H. W. Smith, 100 N. Main St., Rutland, Vt.
1AHE—C. E. Thresher, Newman Ave., Attleboro, Mass.
1AHF—G. J. Wadleigh, Central St., Hillsboro, N. H.
1AHG—S. A. Olson, 35 Hollingsworth St., Lynn, Mass.
1AHH—J. May, Milford, Conn.
1AHI—D. R. Holbrook, 101 School St., Cliftondale, Mass.
1AHJ—O. B. French, Plimpton Rd., Watch Hill, R. I.
1AHK—J. B. Whitelaw, North Stonington, Conn.
1AHL—D. H. Bliss, 12 Dran St., Attleboro, Mass.
1AHM—H. B. Joy, Kidd's Way, Watch Hill, R. I.
1AHN—E. W. Moore, 96 Varrall St., Wollaston, Mass.
1AHO—W. Allen, 35 Gordon St., W. Somerville, Mass.
1AHP—H. O. Harris, 32 Prospect St., Haverhill, Mass.
1AHQ—F. Guild, 190 Warren St., Allston, Mass.
1AHR—R. W. Stuber, 1230 Commonw'th Av., Allston, Mass.
1AHS—J. J. Lefevre, Springfield, Mass.
1AHT—H. R. Burdick, 56 Warren, Newton Center, Mass.
1AHU—J. Chereskie, 19 West St., Florence, Mass.
1AHV—J. F. Drew, 2992 Main St., Bridgeport, Conn.
1AHW—C. C. Moulton, 261 Denver St., Springfield, Mass.
1AHX—J. F. Austin, 19 Court St., Dedham, Mass.
1AHY—E. P. Dolliver, 88 Russell St., Waltham, Mass.
1AHZ—H. N. Dole, 27 Columbus Ave., Haverhill, Mass.
1AI—C. A. Thompson, 142 Glenwood St., Lynn, Mass.
1AIA—L. E. Moore, Durham, N. H.
1AIB—F. B. Hodgdon, 127 Langley Rd., Newton Ctr., Mass.
1AIC—L. V. DeVine, 43 Adam St., Pittsfield, Mass.
1AID—M. S. Lorentson, 23 Braman St., Providence, R. I.
1AIE—C. W. Jones, Palmer Ave., Falmouth, Mass.
1AIF—J. C. Buchart, 8 Central Ave., Lakewood, R. I.
1AIG—W. Schryer, 2 Roberts Ct., Hartford, Conn.
1AIH—R. W. Semons, 2 Waverly St., Cliftondale, Mass.
1AII—W. E. Blake, Kittery, Me.
1AIJ—C. W. Lessman, 27 N. Ashland St., Worcester, Mass.
1AIK—S. E. Whiting, White Plains Rd., Trumbull, Conn.
1AIL—M. Stuckert, Elm Court, Maynard, Mass.
1AIM—N. Wilgren, Stow, Mass.
1AIN—S. A. Burnett, 85 Sherman St., Springfield, Mass.
1AIO—R. T. Smith, 15 N. State St., Concord, N. H.
1AIP—C. L. Denault, 73 Instituto Rd., Worcester, Mass.
1AIQ—C. E. Jennings, Hardwick, Vt.
1AIR—E. P. Crocker, 23 Hussey St., Nantucket, Mass.
1AIS—L. L. S. Braun, Assumption Ave., Worcester, Mass.
1AIT—Sacred Heart Acad., 636 Broad St., Cent. Falls, Vt.
1AIU—C. L. Warren, Fort Adams, Newport, R. I.
1AIV—H. W. Squires (A.&N.Y.M.C.A.), Bdwy., Newpt, R.I.
1AIW—L. M. Luther, 68 Daniels St., Pawtucket, R. I.
1AIX—W. E. Waitt, 37 Wilfred St., West Lynn, Mass.
1AIY—A. M. Winchell, R.F.D. No. 1, Waterbury, Conn.
1AIZ—E. D. Papkee, 16 Gardner St., Medford, Mass.
1AJ—H. L. R. Kurth, 126 Columbia St., Cambridge, Mass.
1AJA—G. J. Etter, 19 Adams St., Dorchester, Mass.
1AJB—J. Shattuck, 96 Wheeler St., Brockton, Mass.
1AJC—H. J. Robinson, 10 Grigg St., Greenwich, Conn.
1AJD—A. Correa, 72 S. 6th St., New Bedford, Mass.
1AJE—W. Crocker, 577 Putnam Ave., Cambridge, Mass.
1AJF—K. B. Woodbury, 333 Preble St., So. Portland, Me.
1AJG—C. T. Kerr, 10 Depot St., Poultney, Vt.
1AJH—J. J. O'Connell, 265 Fairm't Av., New Haven, Conn.
1AJI—A. C. Blakeslee, 191 Main St., Terryville, Conn.
1AJJ—F. W. Hooper, Jr., Miles St., Millbury, Mass.
1AJK—A. E. Linell, 207 Holden St., Worcester, Mass.
1AJL—F. G. Sands, R.F.D. No. 5, Danbury, Conn.
1AJM—A. M. Timlin, 74 Kirtland St., Lynn, Mass.
1AJN—C. R. Dunn, R.F.D. No. 4, Westport, Me.
1AJO—J. E. Marshall, Jenny's Lane, Barrington, R. I.
1AJP—N. W. Bishop, Jr., 301 Park Pl., Bridgeport, Conn.
1AJQ—W. A. Green, 784 Western Ave., Berlin, N. H.
1AJR—A. B. Lovell, 631 Whittenton St., Taunton, Mass.
1AJS—C. E. Brown, Park Ave., Monson, Mass.
1AJT—A. J. Fitzgerald, 145 Rockwell St., Norwich, Conn.
1AJU—W. B. Smith, Jr., 72 Oak St., Manchester, N. H.
1AJV—H. A. Bailey, 39 Jersey St., Marblehead, Mass.
1AJW—H. Ross, Holden, Mass.
1AJX—F. J. McKay, 1750 Northampton St., Holyoke, Mass.
1AJY—C. H. Rice, 35 Silver St., Dover, N. H.
1AJZ—R. B. Parker, 535 Beacon St., Boston, Mass.
1AK—H. C. Bowen, 168 Belmont St., Fall River, Mass.
1AKA—A. E. Rowe, 110 Loring Rd., Winthrop, Mass.
1AKB—P. T. Cucuvallas, 451 Essex St., Lynn, Mass.
1AKC—M. C. Hobart, 35 Pearl St., Quincy, Mass.
1AKD—G. W. Young, 36 Merrill St., Hartford, Conn.
1AKE—C. F. Robbins, 17 Taylor St., Keene, N. H.
1AKF—Norwich Radio Club, 51 Broadway, Norwich, Conn.
1AKG—S. K. Heffernan, 28½ Grove St., Salem, Mass.
1AKH—F. W. Russell, Hillside Ave., Oakville, Conn.
1AKI—W. K. Coburn, 15 Powellton Rd., Dorchester, Mass.
1AKJ—G. H. Carter, 198 Moody St., Waltham, Mass.
1AKK—H. C. Maney, 129 Robinson St., Providence, R. I.
1AKL—C. N. DeRose, 289 Elm St., Northampton, Mass.
1AKM—F. L. Wattendorf, Billings St., Sharon, Mass.
1AKN—J. M. Hallowell, Jr., 87 Reservoir Ave., Chestnut Hill, Mass.
1AKO—H. L. Fliegner, 38 Laban St., Providence, R. I.
1AKP—H. L. Miller, Forbes St., Burnside, Conn.
1AKQ—S. V. Letts, 75 Farragut St., Providence, R. I.
1AKR—H. C. D. Pollock, 15 Whittord St., Pawtucket, R. I.
1AKS—F. A. French, 202 Russell St., Worcester, Mass.
1AKT—W. B. Senior, 37 Mechanic St., Pawcatuck, Conn.
1AKU—H. D. Dyke, 51 Main St., Livermore Falls, Me.
1AKV—N. C. Soule, Reservoir Hill, Houlton, Me.
1AKW—Unassigned
1AKX—S. Herbeck, 124 Prospect St., Athol, Mass.
1AKY—J. W. Mackenzie, 524 June St., Fall River, Mass.
1AKZ—A. Hurnanen, 62 A St., Gardner, Mass.
1AL—G. R. Entwistle, 41 Penn. Ave., Somerville, Mass.
1ALA—H. N. Larson, 15 Albano St., Roslindale, Mass.
1ALB—H. F. Dence, 29 Russell St., Newport, R. I.
ALC—A. M. Robinson, 67 Montview St., W. Roxbury, Mass.
1ALD—E. J. Gates, 9 Denver Ave., Edgewood, R. I.
1ALE—C. L. Ramsdell, Jr., N. Scituate, Mass.
1ALF—Mass. Electrical Lab., Inc., 127 Federal St., Boston, Mass.
1ALG—R. Warren, 57 Monmouth St., Brookline, Mass.
1ALH—M. C. Quinn, 103 Rockland St., New Bedford, Mass.
1ALI—T. F. Conneen, 38 Deering St., Portland, Me.
1ALJ—H. H. Johnson, Clark Ave., Short Beach, Conn.
1ALK—Unassigned
1ALL—L. M. Harding, 22 Dean St., Bridgewater, Mass.
1ALM—W. A. Sweet, 8 Willow St., Newport, R. I.
1ALN—J. A. Ecker, 71 Bloomfield St., Dorchester, Mass.
1ALO—J. H. Jones, 91 Mass. Ave., Boston, Mass.
1ALP—A. L. Chapman, 30 S. Main St., Winsted, Conn.
1ALQ—A. B. Dewey, 76 S. Main St., Reading, Mass.
1ALR—S. F. Bassett, Park St., Harwich, Mass.
1ALS—J. E. Booth, 71 Colton St., Springfield, Mass.
1ALT—H. A. Herring, 68 College Ave., Waterville, Me.
1ALU—G. G. Tardiff, 102 Knox St., Lewiston, Me.
1ALV—F. A. Ferrero, 2 Boyson Pl., Cambridge, Mass.
1ALW—E. R. Hood, 32 Rockingham, St., Cambridge, Mass.
1ALX—R. Drew, 4 Pleasant Ave., Somerville, Mass.
1ALY—E. M. Hood, Westboro St. Hosp., Westboro, Mass.
1ALZ—E. Kingsley, 4 Battery St., Newport, R. I.
1AM—F. D. Webster, 12 Hampshire St., Everett, Mass.
1AMA—H. A. Reffelt, 11 Orchard St., Shelton, Conn.
1AMB—S. W. Bateman, 26 Railroad St., Methuen, Mass.
1AMC—K. C. Ambler, 10 Shattuck St., Natick, Mass.
1AMD—H. W. Thornley, 7 Belmont St., Pawtucket, R. I.
1AME—H. J. Henkel, 19 High St., Yarmouth, Me.
1AMF—H. C. Wirt, 23 Prescott St., Brookline, Mass.
1AMG—C. D. True, 8 Elm St., Yarmouthville, Me.
1AMH—H. J. Morse, 48 Hebron St., Hartford, Conn.
1AMI—W. R. Ballou, 27 Meriden Ave., Southington, Conn.
1AMJ—R. M. Browning, 221 Naple St., Norwich, Conn.
1AMK—Richard Warren, Fitzwilliam, N. H.
1AML—H. L. Olson, 6 Union St., E. Greenwich, R. I.
1AMM—A. Bettigole, 62 Howard St., Springfield, Mass.
1AMN—G. B. Pratt, Grant Ave., Newton Center, Mass.
1AMO—A. G. Rydstrom, 40 Richwood St., W. Roxbury, Mass.
1AMP—P. A. Girard, 345 Trumbell St., Hartford, Conn.
1AMQ—R. W. Cushman, Brock Rd., Sharon, Mass.
1AMR—J. J. Garnston, Beach St., Short Beach, Conn.
1AMS—J. P. Olson, Glendale Rd., Sharon, Mass.
1AMT—C. L. Gove, 39 Allen Ave., Lynn, Mass.
1AMU—J. Tompkins, 112 Lafayette St., Salem, Mass.
1AMV—M. I. Donn, 558 Garden St., Hartford, Conn.
1AMW—H. P. Thomas, 88 Bay State Rd., Boston, Mass.
1AMX—Roxbury Latin School, Kearsarge Ave., Roxbury, Mass.
1AMY—R. H. Sherman, 42 Taylor Ave., S. Norwalk, Conn.
1AMZ—K. Clark, 33 S. Russell St., Boston, Mass.
1AN—Chelmsford High School, Chelmsford, Mass.
1ANA—R. B. Bourne, Chathamport, Mass.
1ANB—C. T. Smith, 117 East St., Windsor, Conn.
1ANC—J. A. Knapp, 26 Northend Ave., Salem, Mass.
1AND—J. E. Fogarty, 220 Hamilton St., Providence, R. I.
1ANE—G. Rodyk, 70 Cliff St., Malden, Mass.
1ANF—H. P. White, 347 Humphrey St., New Haven, Conn.
1ANG—H. J. Maliff, 656 E. 7th St., South Boston, Mass.
1ANH—Unassigned
1ANI—W. B. Smith, 11 Stark St., Manchester, N. H.
1ANJ—G. H. Allen, 287 School St., Waltham, Mass.
1ANK—K. P. Lewis, 7 Wellington Ave., Haverhill, Mass.
1ANL—B. J. Morehouse, Branchville, Conn.
1ANM—P. K. Baker, 34 Bryant St., Wakefield, Mass.
1ANN—H. R. Wengen, 22 Armory St., Wakefield, Mass.
1ANO—W. R. McDonald, Jr., 236 High, So. Portland, Me.
1ANP—Unassigned
1ANQ—J. C. Randall, 124 Kent St., Hartford, Conn.
1ANR—A. F. Kleindienst, 59 Emerald Ave., Webster, Mass.
1ANS—A. W. Mayer, 7 Chestnut Sq., Jam. Plain, Mass.
1ANT—A. Martin, Cawley St., Bristol, Conn.
1ANU—E. D. Rosenwald, 9 Supple St., Roxbury, Mass.
1ANV—Unassigned
1ANW—Middlesex School Radio Club, Concord, Mass.
1ANX—E. C. Burdick, 47 Courtlandt St., Westerly, R. I.
1ANY—R. C. Moyer, 310 Summer Ave., Reading, Mass.
1ANZ—S. R. Parmelee, 90 Court St., West Haven, Conn.
1AO—W. C. Kohl, 147 Ashland, Melrose Highlands, Mass.
1AOA—St. George's School Radio Club, Newport, R. I.
1AOB—E. Nutt, 11 High St., Derry, N. H.
1AOC—A. P. Wilson, 107 Bacon St., Waltham, Mass.

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1AOD—J. D. Lawlor, Sycamore St., New Bedford, Mass.
1AOE—J. Freeman, 1333 Iranistant Ave., Bridgeport, Conn.
1AOF—G. C. Rich, Crescent Rd., Sharon, Mass.
1AOG—D. F. Cuptill, 3 Park St., Medford, Mass.
1AOH—A. V. Sgarsi, 292 Court St., Plymouth, Mass.
1AOI—G. H. Herriott, Station 22, Windsor, Conn.
1AOJ—R. G. Burby, R.F.D 1, E. Main St., Westfield, Mass.
1AOK—W. F. Hupper, 74 Sargent St., Melrose Highlands, Mass.
1AOL—Y. A. Hendrickson, Bonton St., Springdale, Conn.
1AOM—I. H. Small, South Harwich, Mass.
1AON—J. H. Gough, 570 Adams St., Quincy, Mass.
1AOO—J. G. Parent, 14 Congress St., Lynn, Mass.
1AOP—Unassigned
1AOQ—H. P. Blair, Piermont, N. H.
1AOR—G. F. Frazier, 9½ Center St., Cambridge, Mass.
1AOS—Everett High School, Everett, Mass.
1AOT—Unassigned
1AOU—R. P. Day, West Millbury, Mass.
1AOV—A. H. Waitt, 30 Ellison Rd., Newton Center, Mass.
1AOW—E. J. Maginot, 4116 Washington, Roslindale, Mass.
1AOX—F. A. Bathrick, 39 Harvard St., Everett, Mass.
1AOY—S. Doroff, 111 Washington Ave., W. Haven, Conn.
1AOZ—A. H. Wheeler, Depot St., Poultney, Vt.
1AP—O. A. Korell, Jr., 62 Prospect, Thompsonville, Conn.
1APA—R. C. Buck, 44 Linden St., Reading, Mass.
1APBL. S. Thompson, 33 Emerson Rd., Winthrop, Conn.
1APC—R. Welch, Enfield, Conn.
1APD—E. Spear, 121 Bishopgate Rd., Newton Center, Mass.
1APE—H. R. Staples, 1138 Chapel St., New Haven, Conn.
1APF—Deering High School, Stevens Ave., Portland, Me.
1APG—H. R. Grafe, Fort Adams, Newport, R. I.
1APH—W. A. Fernald, 37 C St., Lowell, Mass.
1API—A. W. Costello, 100 Stoughton St., Dorchester, Mass.
1APJ—W. B. Haase, 187 Fitch St., Westville, Conn.
1APK—B. P. Cutting, 11 Forest St., Reading, Mass.
1APL—E. M. Cleverly, 15-A Cazenove St., Boston, Mass.
1APM—G. M. Woodman, Jr., 826 Main, Westbrooke, Me.
1APN—A. G. Dias, 61 Woodbridge St., New London, Conn.
1APO—A. P. Welch, 73 Central St., Gardiner, Me.
1APP—H. F. Calderwood, 428 Central St., Saugus, Mass.
1APQ—West Hartford High School, West Hartford, Conn.
1APR—W. H. Bestgen, 315 Billings Rd., Wollaston, Mass.
1APS—H. P. Spaulding, 1716 Central, W. Stoughton, Mass.
1APT—E. H. Lowell, 12 Western Ave., Bath, Me.
1APU—W. F. Moore, 6 La France St., Springfield, Vt.
1APV—C. J. Twist, 102 Prospect St., Norwich, Conn.
1APW—Unassigned.
1APX—H. Tardiff, Jr., 135 Mulberry St., Claremont, N. H.
1APY—H. A. Ryall, 5 Winter St., Saugus, Mass.
1APZ—W. M. Steans, 20 Center St., Watertown, Mass.
1AQ—Danbury High School Radio Club, Danbury, Conn.
1AQA—H. Moore, 6 Highland St., Sharon, Mass.
1AQB—Unassigned.
1AQC—W. J. Goodrich, 162 Jordan Lane, Wethersfield, Conn.
1AQD—E. T. O'Donnell, "B" Derby Ct., Roxbury, Mass.
1AQE—D. W. Oliver, 105 Grant St., Lynn, Mass.
1AQF—W. A. Rida, 810 Savin Ave., West Haven, Conn.
1AQG—C. Deardon, 727 6th St., South Boston, Mass.
1AQH—H. W. Smith, Prince St., Lisbon Falls, Me.
1AQI—W. H. F. Loeffler, 51 Woodland St., Lawrence, Mass.
1AQJ—F. Orchard, 7 State St., New London, Conn.
1AQK—N. J. Padelford, 9 Allerton Rd., Newton Highlands, Mass.
1AQL—G. C. Brown, 14 South St., Eastport, Me.
1AQM—C. C. Margerum, 483 Pleasant St., Worcester, Mass.
1AQN—E. B. Levine, 137 Hapshire St., Cambridge, Mass.
1AQO—T. E. Marchant, Jr., 821 Poplar, Roslindale, Mass.
1AQP—A. Peterson, 37½ Sargent St., Gloucester, Mass.
1AQQ—Unassigned.
1AQR—W. F. Walsh, Box 108, Lincoln St., Waltham, Mass.
1AQS—L. T. Goodrich, 189 Wolcott Hill Rd., Wethersfield, Conn.
1AQT—W. L. Robbins, Y. M. C. A., Northampton, Mass.
1AQU—R. P. Adams, 160 Cypress St., Providence, R. I.
1AQV—G. Collet, 115 Armour St., New Bedford, Mass.
1AQW—H. H. Hamner, 20 Salem St., Lynn, Mass.
1AQX—R. W. Brown, Lyndeboro, N. H.
1AQY—W. P. Libby, Jr., 259 Court St., Plymouth, Mass.
1AQZ—H. D. Breivogel, 15 Lunt St., Quincy, Mass.
1AR—L. C. Runey, 49 Fairmont St., Belmont, Mass.
1ARA—W. Potter, King Caesar Rd., Duxbury, Mass.
1ARB—E. L. Townsend, West Baldwin, Me.
1ARC—H. K. Hentz, Willow St., West Harwich, Mass.
1ARD—G. W. Mayo, 164 Pleasant St., Laconia, N. H.
1ARE—A. W. Evcrest, 15 White Tr., Pittsfield, Mass.
1ARF—F. D. White, Jr., 54 Oxford St., Pittsfield, Mass.
1ARG—F. K. Daggett, Jr., 107 University Rd., Brookline, Mass.
1ARH—Kingsley Scott, 47 Lynde St., Salem, Mass.
1ARI—L. H. Whattaker, 38 Corona St., Dorchester, Mass.
1ARJ—R. J. Salvas, 190 Alfred St., Biddeford, Me.
1ARK—C. W. Ward, 2313 Cranston St., Cranston, R. I.
1ARL—A. McCarthy, Jr., 1415 Commonwealth, Ave., Allston, Mass.
1ARM—C. S. Crocker, Box 41, Marston's Mills, Mass.
1ARN—G. F. Leal, 339 Beacon St., Somerville, Mass.
1ARO—R. D. Seed, 10 Gertrude Ave., Worcester, Mass.
1ARP—Loomis Institute, Windsor, Conn.
1ARQ—D. W. Packard, Mt. Vernon, N. H.
1ARR—M. Weiner, 28 Creston St., Roxbury, Mass.
1ARS—C. B. Graham, 18 Ashland Ave., Melrose Highlands, Mass.
1ART—G. B. Harper, 155 Adams St., Milton, Mass.
1ARU—R. N. Blake, 106 Hewlett St., Roslindale, Mass.
1ARV—K. Glennon, 55 Pearl St., Stoughton, Mass.
1ARW—L. C. Tayck, 95 Avon Ave., Waterbury, Conn.
1ARX—A. S. Boynton, 13 Griswold St., Meriden, Conn.
1ARY—University of Vermont, Burlington, Vt.
1ARZ—F. H. Gardner, 18 Gardne Pl., Derby, Conn.
1AS—B. B. R. Coleman, 360 Thatcher St., Milton, Mass.
1ASA—H. E. Metcalf, Box 216, Concord Rd., Bedford, Mass.
1ASB—J. O'Donnell, 24 Aldrich St., Somerville, Mass.
1ASC—F. X. Connolly, 39 Coral Ave., Winthrop, Mass.
1ASD—W. M. White, 3 Northampton Rd., Amherst, Mass.
1ASE—L. S. Kidd, 289 Broadway, Lawrence, Mass.
1ASF—A. F. Sise, 31 Power House Rd., Medford, Mass.
1ASG—A. W. Bonney, 120 Sherwood, Bridgeport, Conn.
1ASH—E. S. Peoples, 5 Hillside Rd., Natick, Mass.
1ASI—Lawrence Radio Club, 10 Wellington St., Lawrence, Mass.
1ASJ—G. B. Gerrish, 30 Morgan St., Melrose, Mass.
1ASK—C. L. Robinson, Bowen St., West Boylston, Mass.
1ASL—R. C. Rayner, 10½ Cross St., Norwalk, Conn.
1ASM—N. Cohen, Jefferson Ave., Chelsea, Mass.
1ASN—H. F. Hall, 23 Rogers St., Newton, Mass.
1ASO—I. W. Daniels, 25 Marion St., Dedham, Mass.
1ASP—E. E. Brown, 30 Burnside Ave., Somerville, Mass.
1ASQ—R. A. Ynill, 5 Halifax St., Boston Mass.
1ASR—H. C. Sawyer, Main St., South Windham, Mass.
1ASS—Lynn Radio Mfg. Co., 39 State St., Lynn, Mass.
1AST—A. C. Cutler, 100 Marlboro St., Wollaston, Mass.
1ASU—C. J. Green, 36 Leeds St., Worcester, Mass.
1ASV—M. H. Smith, 115 Prospect St., Gloucester, Mass.
1ASW—M. D. Folkins, 72 Rackleff St., Portland, Me.
1ASX—H. B. Richmond, 73 Harlow St., Arlington, Mass.
1ASY—H. Goss, Box 1, Essex, Conn.
1ASZ—New Hamp. College Radio Club, Durham, N. H.
1AT—J. Coolikoff, 296 Walnut Ave., Revere, Mass.
1ATA—Unassigned.
1ATB—E. S. Hineline, 200 Narragansett Edgewood, R. I.
1ATC—C. L. Gordon, 1463 Park Ave., Bridgeport, Conn.
1ATD—F. W. Donnell, Hampton, N. H.
1ATE—J. W. Burt, 322 Common St., Walpole, Mass.
1ATF—L. L'Esperance, R.F.D. 3, Box 107, Lowell, Mass.
1ATG—James Cebik, 88 Harbor Ave., Bridgeport, Conn.
1ATH—J. F. Curry, 9 Bellows St., St. Albans, Vt.
1ATI—F. S. Shaw, 1101 Main St., Walpole, Mass.
1ATJ—Y. W. Hodge, 227 Main St., Claremont, N. H.
1ATK—R. E. Landick, 93 Baker St., Lynn, Mass.
1ATL—Winchester High School, Winchester, Mass.
1ATM—R. W. Woolstok, 42 Plainfield St., Woban, Mass.
1ATN—Bellows Falls High School, Bellows Falls, Vt.
1ATO—R. T. Lahey, 10 Nelson St., Plymouth, Mass.
1ATP—W. Y. Beaney, 854 Dizwell St., New Haven, Conn.
1ATQ—W. Graham, 637 Main St., Malden, Mass.
1ATR—E. P. C. Sowdon, 328 Poplar St., Roslindale, Mass.
1ATS—H. E. David, 24 Belchertown Rd., Amherst, Mass.
1ATT—N. Hale, 675 State St., New Haven, Conn.
1ATU—Reading High School Club, Reading, Mass.
1ATV—P. N. Casselman, 2331 Fairfield, Bridgeport, Conn.
1ATW—G. A. Schofield, N. Main St., Uxbridge, Mass.
1ATX—A. B. Conway, 116 Division St., Pawtucket, R. I.
1ATY—H. Dewing, 205 Camp St., Providence, R. I.
1ATZ—C. H. Berner, 60 Elmer St., Hartford, Conn.
1AU—C. D. Davis, 8 Cedar Court, Wakefield, Mass.
1AUA—R. B. Meader, 17 Herschel St., E. Lynn, Mass.
1AUB—E. B. Cobb, Irvan St., Millis, Mass.
1AUC—C. W. Sprague, 11 Oak St., Bar Harbor, Me.
1AUD—E. P. Stone, 20 Bloomfield St., Lexington, Mass.
1AUE—G. A. Knapp, 863 Boston Ave., Bridgeport, Conn.
1AUF—B. J. Warnock, 34 Shackford St., Eastport, Me.
1AUG—J. A. Buzzard, Winsted, Conn.
1AUH—H. G. Burnett, 16 Windsor Rd., Somerville, Mass.
1AUI—E. Gobalet, 49 Pleasant St., Worcester, Mass.
1AUJ—H. W. Smith, 11 Downing St., Concord, N. H.
1AUK—W. L. Cassell, Y.M.C.A., Fall River, Mass.
1AUL—W. D. Hodges, 52 Main St., Concord, Mass.
1AUM—E. E. Boyce, 1 State St., Concord, N. H.
1AUN—C. Peterson, 274 Poplar St., Roslindale, Mass.
1AUO—Unassigned
1AUP—G. D. Preston, 32 Hillcrest Rd., W. Weym'th, Mass.
1AUQ—E. A. Wiggin, 258 High St., Berlin, N. H.
1AUR—H. G. Riley, Livermore Falls, Me.
1AUS—T. E. Houston, 23 Cleveland St., Hyde Park, Mass.
1AUT—F. Johnson, 298 K St., S. Boston, Mass.
1AUU—Unassigned
1AUV—H. R. Dyson, 7 Pomona St., Springfield, Mass.
1AUW—S. O. Reed, 366 Townsend Ave., New Haven, Conn.
1AUX—A. Tauber, Lewis Lane, East Dedham, Mass.
1AUY—J. L. Cassell, 3 Rostone Pl., Pittsfield, Mass.
1AUZ—N. G. Clemons, 2 Dell Ave., Wakefield, Mass.
1AV—A. E. Tremaine, Pound Hill Rd., N. Smithfield, R. I.
1AVA—Cumming & Frost, Potomac Av., Sound Beh., Conn.
1AVB—P. H. Sullivan, 59 Pond St., So. Braintree, Mass.
1AVC—C. S. Downey, 1082 Broad St., Hartford, Conn.
1AVD—J. F. Furey, 50 Williams St., Hartford, Conn.
1AVE—K. G. Price, 18 Marion Rd., Matapoisett, Mass.
1AVF—J. E. Snaburn, 1403 River St., Hyde Park, Mass.
1AVG—Unassigned
1AVH—J. A. McCarthy, 42 Moseley St., Dorchester, Mass.
1AVI—A. Noyes, Jr., 134 Brattle St., Cambridge, Mass.
1AVJ—J. F. Bausola, 117 Prospect St., S. Manchester, Conn.
1AVK—L. A. Richmond, 65 Middle Turn., W. Manchester, Conn.
1AVL—S. Powers, Jr., 49 Franklin St., Concord, N. H.
1AVM—H. Y. Wyman, 97 Hayden Rowe, Hopkinton, Mass.
1AVN—S. McNeilly, 13 Elm St., Winchester, Mass.
1AVO—J. Benevento, 87 Homestead, N. Manchester, Conn.
1AVP—H. P. Miner, 20 Abbott St., Gardner, Mass.
1AVQ—H. Chamberlain, 27 Hudson St., Hartford, Conn.
1AVR—R. Ford, 9 Riedesel Ave., Cambridge, Mass.
1AVS—W. T. Nesbitt, 13 Wellington St., Methuen, Mass.
1AVT—T. C. Bassett, R.F.D. 3, Waterbury, Conn.
1AVU—S. W. Thomas, P. O. Box 10, Lakewood, R. I.
1AVV—H. L. King, 72 Franklin St., Westfield, Mass.
1AVW—C. A. Weidenhammer, 33 Washington Pl., Bridgeport, Conn.
1AVX—J. Grobstein, 31 Amherst St., New Britain, Conn.
1AVY—G. D. Rogers, 39 Winsor St., New Bedford, Mass.
1AVZ—L. L. Barstow, 37 Autumn St., Bridgeport, Conn.
1AW—H. P. Maxim, 276 N. Whitney St., Hartford, Conn.
1AWA—E. R. Gilbert, 10 Bullta Terrace, Brighton, Mass.
1AWB—S. Martino, Merritt Ave., Woodbridge, Conn.
1AWC—Hartford W.M.C.A. Radio Club, 315 Pearl St., Hartford, Conn.
1AWD—A. R. Pierce, Jr., 139 Orchard, New Bedford, Mass.
1AWE—N. H. Miller, 25 Phillips St., Providence, R. I.
1AWF—G. E. Forant, 167 Savin Hill Av., Dorchester, Mass.
1AWG—C. Dwyer, 14 Cranston Ave., Newport, R. I.
1AWH—R. F. Johnson, 179 Maple St., Lynn, Mass.
1AWI—L. J. Smith, 9 Washington St., Norwich, Conn.
1AWJ—E. F. Hopkins, 176 N. Maple Av., Greenwich, Conn.
1AWK—D. Antonelli, 7 Oxford Park, Revere, Mass.
1AWL—L. Burns, 65 Revere St., Revere, Mass.
1AWM—J. T. Rutler, 36 Bishop St., New Haven, Conn.
1AWN—S. Blotnick, 65 Allen St., Boston, Mass.
1AWO—J. LeValley, Pascoag, R. I.
1AWP—R. W. Pratt, 120 Main St., Hingham, Mass.
1AWQ—E. P. Coventry, Riley Terrace, Livermore Falls, Me.
1AWR—W. Tyler, 24 Park Ave., Wakefield, Mass.
1AWS—J. S. Dodge, King St., Littleton, Mass.
1AWT—W. E. Boutelle, 62 Roylston St., Watertown, Mass.
1AWU—L. Batchelder, 7 Kirkland St., Cambridge, Mass.
1AWV—D. A. O'Connor, 196 Transit St., Providence, R. I.
1AWW—T. F. Cushing, 78 College St., Springfield, Mass.
1AWX—C. D. Colman, Jr., 64 Hansom St., Rochester, N. Y.
1AWY—D. L. Spender, 137 Woodland Av., Waterbury, Conn.
1AWZ—E. M. Shiepe, 9 Cedar St., Lawrence, Mass.
1AX—J. A. Campbell, 9 Fairlee St., Somerville, Mass.
1AXA—R. E. Pierce, 13 S. Spooner St., Plymouth, Mass.
1AXB—H. Mann, 86 Pleasant St., Wakefield, Mass.
1AXC—E. Hamlin, Jr., Marion, Mass.
1AXD—G. F. Yarnold, 96 W. Newton St., Boston, Mass.
1AXE—R. Strout, 6 Potter St., Brunswick, Me.
1AXF—N. W. Stolba, 252 Lexington Av., Cambridge, Mass.
1AXG—D. L. Gibos, 155 Hunnewell Ave., Newton, Mass.
1AXH—R. J. Foster, 24 Benedict Pl., Greenwich, Conn.
1AXI—W. L. Olsson, School St., Chelmsford, Mass.
1AXJ—F. L. Ceruti, 25 Arcadia Park, Dorchester, Mass.
1AXK—S. K. Dimock, 72 King St., Springfield, Mass.
1AXL—Unassigned
1AXM—H. Kulliowski, 483 Main St., Ansonia, Conn.
1AXN—K. O'Toole, Newfield St., Stamford, Conn.
1AXO—F. A. Hubbard, 14 Fayette St., Watertown, Mass.
1AXP—Unassigned
1AXQ—C. T. Chase, Kennebunkport, Me.
1AXR—R. W. Hale, 74 Miller Ave., Providence, R. I.
1AXS—H. L. Dow, 61 Oliver St., Rockland, Me.
1AXT—A. D. Alderman, 24 Fairfield Ave., Holyoke, Mass.
1AXU—L. B. Randall, Bennoch St., Orono, Me.
1AXV—S. F. Wade, 52 Pleasant St., Stoughton, Mass.
1AXW—C. J. Bechstedt, 9 Middle St., Bristol, Conn.
1AXX—F. Stanga, 28 Bickerstaff St., Boston, Mass.
1AXY—J. N. Sargent, Jr., 76 Columbus, Somerville, Mass.
1AXZ—S. A. Willard, 31 Raymond St., Everett, Mass.
1AY—E. Branch, West Mystic, Conn.
1AYA—P. Jacobs, Jr., 27 Eastbourne, Newton Ctr., Mass.
1AYB—C. E. Worthen, 267 Groveland St., Haverhill, Mass.
1AYC—F. J. Bryant, 778 Main St., Worcester, Mass.
1AYD—C. R. McKeen, Amherst Ave., Waltham, Mass.
1AYE—C. S. Williams, Hubbard St., Glastonbury, Conn.
1AYF—D. Hendrick, 2937 Fairfield Ave., Bridgeport, Conn.
1AYG—J. O. Wood, 106 Pine Grove Ave., Lynn, Mass.
1AYH—E. Romney, 155 Mason Terrace, Brookline, Mass.
1AYI—W. H. Boynton, 32 Rockland St., W. Roxbury, Mass.
1AYJ—H. N. Hills, 34 River St., Sanford, Me.
1AYK—H. S. Smith, Cape Elizabeth, Me.
1AYL—H. M. Booth, 23 Summer St., Tilton, N. H.
1AYM—F. J. Hopkins, 19 Swan St., Augusta, Me.
1AYN—R. W. Rafuse, 38 Lincoln St., Norwood, Mass.
1AYO—A. J. Scherber, 447 Beech St., Roslindale, Mass.
1AYP—G. C. Upton, 222 Woodland Ave., Gardner, Mass.
1AYQ—A. C. Reeve, 1355 Fairfield Ave., Bridgeport, Conn.
1AYR—T. H. Brown, 248 Poquenock Ave., Windsor, Conn.
1AYS—W. E. Jackson, 29 Sylvan Ave., Lewiston, Me.
1AYT—T. C. Bassett, R.F.D. 3, Waterbury, Conn.
1AYU—G. A. Phillips, 30 Reed St., New London, Conn.
1AYV—G. W. Smith, 23 Pleasant St., Lawrence, Mass.
1AYW—L. B. O. Silverberg, 220 Cross St., Gardner, Mass.
1AYX—Unassigned
1AYY—E. J. Duffney, 131 Geddes Ter., Waterbury, Conn.
1AYZ—A. E. Leonard, 4 Maher Ave., Greenwich, Conn.
1AZ—G. U. Readio, 62 Yale St., Springfield, Mass.
1AZA—D. H. Holden, "Woodleigh," Blue Hill, Me.
1AZB—J. A. Cheetham, 70 Wallace Ave., Fitchburg, Mass.
1AZC—D. C. Sanborn, 560 Union St., New Bedford, Mass.
1AZD—C. K. Heberle, 75 Western Ave., Gloucester, Mass.
1AZE—E. C. Hagar, 57 Adams Ave., W. Newton, Mass.
1AZF—W. A. Somerby, 142 Church St., Newton, Mass.
1AZG—S. S. Card, 85 Plummer Ave., Winthrop, Mass.
1AZH—J. C. Saunders, 46 Washin'n Pk., Newtonville, Mass.
1AZI—C. M. Butler, 70 Arlington St., Hyde Park, Mass.
1AZJ—Elmcraft Radio Club, 253 Summer, Reading, Mass.
1AZK—D. H. Learned, 46 Franklin St., Fall River, Mass.
1AZL—C. C. Butler, Jr., 18 Abbott St., Wellesley, Mass.
1AZM—H. E. Cosman, 17 Bond St., Fitchburg, Mass.
1AZN—A. F. Maguire, 130 Hamilton St., Cambridge, Mass.
1AZO—R. N. Hird, Jr., 20 Maple St., Plainville, Conn.
1AZP—R. R. Waterhouse, Main St., Bourne, Mass.
1AZQ—C. Jensen, 152 Adelaide St., Hartford, Conn.
1AZR—I. A. Sacrison, Charles St., Stamford, Conn.
1AZS—V. M. Richardson, Danville Jct., Auburn, Me.
1AZT—A. H. Butler, 78 W. Bow St., Franklin, N. H.
1AZU—Westinghouse Elec. & Mfg. Co., 12 Farnsworth St., Boston, Mass.
1AZV—F. M. Brenner, R.F.D. 1, Box 292, Wilton, N. H.
1AZW—H. Toumajanian, 16 Finley Pl., Newport, R. I.
1AZX—W. Goddard, 9 Louisburg St., Somerville, Mass.
1AZY—C. B. Gardner, 10 Broadrock St., Peace Dale, R. I.
1AZZ—Cony High School, Stone & Cony Sts., Augusta, Me.
1BA—A. W. Ferguson, 52 Linden St., Everett, Mass.
1BAA—C. T. Downes, 43 Harvard Ave., W. Medford, Mass.
1BAB—E. E. Zissell, 228 Berkshire Ave., Bridgeport, Conn.
1BAC—Unassigned
1BAD—C. W. Smith, 29 Devens St., Greenfield, Mass.
1BAE—M. L. Smith, 724 Maple St., Manchester, N. H.
1BAF—A. R. Taylor, 2792 Washington St., Roxbury, Mass.
1BAG—F. L. Stafford, 37 Madison St., Hartford, Conn.
1BAH—L. B. Colt, Main St., Norwich, Vt.
1BAI—C. G. Baker, 63 North St., Georgetown, Mass.
1BAJ—G. R. Osborne, 26 Haviland St., Boston, Mass.
1BAK—G. F. Burton, 15 Sumner Ave., Roslindale, Mass.
1BAL—Unassigned
1BAM—R. H. Hutchins, 152 Spring St., Watertown, Mass.
1BAN—K. V. R. Lansingh, 245 Bellevue St., Newton, Mass.
1BAO—J. E. Glynn, 965 Plymouth Ave., Fall River, Mass.
1BAP—H. H. Day, Box 67, Hudson St., Northbridge, Mass.
1BAQ—H. S. Bradley, 111 Robins Rd., Arling'n Hgts., Mass.
1BAR—P. H. Tibodeau, Bridge St., Osterville, Mass.
1BAS—P. S. Hill, Jr., 334 Main St., Saco, Me.
1BAT—F. Hills, 84 High St., Saco, Me.
1BAU—M. B. Williams, 1127 Commonwealth, Boston, Mass.
1BAV—A. R. Millett, 37 Morning St., Portland, Me.
1BAW—N. J. Yachon, Box 69, R.F.D., Rowdainham, Me.
1BAX—J. D. Booth, 609 Longmeadow, Longmeadow, Mass.
1BAY—R. W. Smith, 95 Maple Ave., Claremont, N. H.
1BAZ—Tremaine Elec. Co., City Hall Sq., Brockton, Mass.
1BB—S. Perry, 38 Pleasant St., Winthrop, Mass.
1BBA—F. C. W. Thiede, 20 Woodward Ave., Quincy, Mass.
1BBB—J. H. F. Hickey, 190 Lexington St., E. Boston, Mass.
1BBC—L. Snow, Jr., Harwichport, Mass.
1BBD—J. Norcross, 19 Cushman St., Monson, Me.
1BBE—G. D. Sperry, 442 Main St., Hartford, Conn.
1BBF—A. J. Goodwin, Cape Neddick, Me.
1BBG—A. W. Jones, 1411 Commonwealth Av., Boston, Mass.
1BBH—E. W. Houghtaling, 326 Lincoln St., Lowell, Mass.
1BBI—R. P. Shirinian, 74 Arnold St., Providence, R. I.
1BBJ—E. F. Surette, Clematis Rd., Medford, Mass.
1BBK—E. R. Prescott, 23 Arlington St., Newburyport, Mass.
1BBL—J. H. Hills, 69 Massasoit St., Northampton, Mass.
1BBM—B. W. Bates, N. Harwich, Mass.
1BBN—Woreester North Radio Assn., 800 Water St., Fitchburg, Mass.
1BBO—H. Fahnestock, Jr., Lenox, Mass.
1BBP—W. R. Courtois, 126 Fourth St., Leominster, Mass.
1BBQ—J. C. Davis, Berkshire, Mass.
1BBR—C. E. Eachele, 144 Paul Gore St., Jam. Pln., Mass.
1BBS—W. Bibby, 15 Edison St., New Bedford, Mass.
1BBT—G. B. Davy, 15 Penhallow St., Dorchester, Mass.
1BBU—L. C. Kentfield, 274 Mass. Ave., Boston, Mass.
1BBV—L. N. Waldhaus, 376 Anson St., Bridgeport, Conn.
1BBW—R. J. Reid, 38 Norman St., Salem, Mass.
1BBX—F. F. Kimball, Denmark, Me.
1BBY—A. R. Rugowski, 128 Prospect Ave., Shelton, Conn.
1BBZ—E. Harju, 52 Cedar St., Norwood, Mass.
1BC—D. L. Darling, 19 Maple St., Greenfield, Mass.
1BCA—I. D. Riley, 368 Washington St., Somerville, Mass.
1BCB—W. T. Pooler, 33 Revere St., Springfield, Mass.
1BCC—J. F. White, 78 Hope St., Providence, R. I.
1BCD—S. H. Gardner, Jr., 77 Beach St., Rockland, Me.
1BCE—D. R. Dunigan, 31 Tonawanda St., Dorchester, Mass.
1BCF—L. G. Cushing, South Duxbury, Mass.
1BCG—M. Cronkhite, North St., Greenwich, Conn.
1BCH—W. T. Slowen, Orange Ave., R.F.D. 5, W. Haven, Conn.
1BCI—Unassigned
1BCJ—A. Theberge, 223 Hampshire St., Lawrence, Mass.
1BCK—W. E. Fisher, 26 Frederick Rd., S. Braintree, Mass.
1BCL—R. R. Stebbins, 46 Gilsum St., Keene, N. H.
1BCM—E. S. Worden, Jr., R.F.D. 1, East Poultney, Vt.
1BCN—E. A. Gosselin, 72 S. 6th St., New Bedford, Mass.
1BCO—P. E. Strout, 42 Bay View Ave., Salem Wil., Mass.
1BCP—Kineo Camps, Inc., Harrison, Me.
1BCQ—R. A. Merrill, 31 Hayward St., Attleboro, Mass.
1BCR—C. N. Kraus, 11 Downing St., Worcester, Mass.
1BCS—Unassigned
1BCT—J. Hereford, 14 Irving Ave., Providence, R. I.
1BCU—C. F. Stevens, 106 Cedar St., Clinton, Mass.
1BCV—F. A. Ficus, Quissett Ave., Woods Hole, Mass.
1BCW—L. E. Randall, 195 Water St., Keene, N. H.
1BCX—E. N. Dingley, Jr., 104 Charles River Rd., Cambridge, Mass.
1BCY—W. H. Lee, Box 417, Camden, Me.
1BCZ—G. L. Langreth, 18 Garvan St., East Hartford, Conn.
1BD—G. Hill, 3 Orange St., Williamsett, Mass.
1BDA—W. M. Johnson, 45 Savin Ave., Norwood, Mass.
1BDB—F. Grindle, 107 Ledgelawn Ave., Bar Harbor, Me.
1BDC—W. E. Arnold, 183 Oliver St., Southbridge, Mass.
1BDD—E. W. Gray, 100 E. Pearl St., New Haven, Conn.
1BDE—A. O. Leske, 456 Grafton St., Worcester, Mass.
1BDF—Unassigned
1BDG—Watt & Sackett, 191 Oxford St., Lynn, Mass.
1BDH—Unassigned
1BDI—F. E. Handy, 414 H. H. Hall, U. of M., Orono, Me.
1BDJ—Cancelled
1BDK—M. R. Young, 73 Jordan Ave., Brunswick, Me.
1BDL—J. E. Norman, 17 Turkey Shore Rd., Ipswich, Mass.
1BDM—A. Korb, 82 Milton Ave., Dorchester, Mass.
1BDN—M. Stearns, 20 Center St., Watertown, Mass.
1BDO—V. Serreze, 4 Webb Park, So. Boston, Mass.
1BDP—A. R. Findlay, 391 Windsor Ave., Hartford, Conn.
1BDQ—E. F. Parmentor, 3 Sheldon Pl., Waterville, Me.
1BDR—R. E. Hull, 169 Lothrop St., Beverly, Mass.
1BDS—H. G. Ringwood, 646 Shawmut Ave., Boston, Mass.
1BDT—S. S. Heap, 132 Atlantic St., Atlantic, Mass.
1BDU—B. H. Chace, 39 Chester Ave., Winthrop, Mass.
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1BSG—R. H. Willard, 34 Summit Ave., Everett, Mass.
1BSH—C. M. Gates, 196 Wash. St., Wellesley Hills, Mass.
1BSI—C. S. Fisher, 15 Walnut St., Somerville, Mass.
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1BSK—E. E. Gaudet, 8 Albany St., Lynn, Mass.
1BSL—R. B. Talbot, Clark St., Somerset, Mass.
1BSM—T. P. Marble, 36 Main St., Somerset, Mass.
1BSN—A. W. Dingwell, 12 Royal St., Wollaston, Mass.
1BSO—A. W. Falson, 349 Washington St., Abington, Mass.
1BSP—K. E. Smith, 300 Park St., W. Springfield, Mass.
1BSQ—P. Morales, 22 Ash St., Bridgeport, Conn.
1BSR—G. F. Williams, 156 West Ave., Bridgeport, Conn.
1BSS—J. J. Burns, 366 Ferry St., New Haven, Conn.
1BST—K. A. Steady, 154 High St., Berlin, N. H.
1BSU—L. R. Johnson, 72 Pearl Ave., Beachmont, Mass.
1BSV—C. Somerset, 70 Crescent St., Lawrence, Mass.
1BSW—J. G. Chaffee, 11 Howe Pl., Woodmont, Conn.
1BSX—M. J. Whitten, 193 Charles St., Fitchburg, Mass.
1BSY—H. C. Batchelor, 300 Seaver St., Stoughton, Mass.
1BSZ—S. H. Nichols, 22 Union St., Greenfield Mass.
1BT—C. T. Caswell, 278 Franklin St., Framingham, Mass.
1BTA—C. E. Janson, 26 Putnam Ave., Lowell, Mass.
1BTB—G. M. Gallagher, 57 Clement Ave., Peabody, Mass.
1BTC—C. G. Castle, 13 Anoka St., Lynn, Mass.
1BTD—H. N. Wagar, Mt. Herman, Mass.
1BTE—D. W. Drew, 41 Hough St., Dover, N. H.
1BTF—W. G. Morrison, R.F.D. No. 3, Dover, N. H.
1BTG—W. H. Stone, 87 Atlantic Ave., Old Orchard, Me.
1BTH—C. E. Aldrich, 183 Lloyd St., New Haven, Conn.
1BTI—Unassigned
1BTJ—J. H. Marshall, Crow Point, Hingham, Mass.
1BTK—C. F. Kingsley, 75 Alden Sq., Bridgewater, Mass.
1BTL—W. A. Taft, 88 Bruce St., Brookline, Mass.
1BTM—Unassigned
1BTN—H. A. McAvoy, 338 Orchard St., New Bedford, Mass.
1BTO—R. L. Rutherford, York Village, Me.
1BTP—E. J. Gracey, 34 Grace St., Hartford, Conn.
1BTQ—F. M. McLaughlin, Derby, Me.
1BTR—R. D. Russell, Grove St., Needham, Mass.
1BTS—W. Greenough, 157 Prospect St., Wakefield, Mass.
1BTT—L. F. Rockwell, 372 Beach St., Saco, Me.
1BTU—H. W. Birk, 449 Main St., S. Manchester, Conn.
1BTV—E. Podrier, 61 Washington St., Lynn, Mass.
1BTW—R. Lizotte, 196 Merrimack St., Lowell, Mass.
1BTX—E. E. White, 420 Chestnut St., Lynn, Mass.
1BTY—I. N. Blackburn, 5 Lourell St., Woburn, Mass.
1BTZ—R. W. Ayer, 11 Lake Terrace, Newton, Ctr., Mass.
1BU—C. R. Stevens, 6 Winter St., Framingham Ctr., Mass.
1BUA—A. E. Evans, 5 Moorland St., Williamstown, Mass.
1BUB—F. A. Dunn, Central St., Kittery, Me.
1BUC—C. H. Wiley, 97 Evergreen Ave., Hartford, Conn.
1BUD—H. S. Woods, Grove St., Peterboro, N. H.
1BUE—W. Hardman, 116 Lincoln St., Lowell, Mass.
1BUF—Unassigned
1BUG—C. H. Coit, Jr., North St., Litchfield, Mass.
1BUH—D. A. Benjamin, 57 Washington St., Chicopee Falls, Mass.
1BUI—A. Cyr, 446 E. Main St., Fall River, Mass.
1BUJ—B. P. Taylor, 394 Central St., Central Falls, R. I.
1BUK—H. St. Laurent, 73 Harrison St., Providence, R. I.
1BUL—J. L. McKenzie, 52 Elm St., Westerly, R. I.
1BUM—C. E. Thurston, 78 Charlotte St., Worcester, Mass.
1BUN—H. O. Cushing, 16 Hamilton St., Providence, R. I.

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1BUR—R. W. Hannah, 93 Westminster St., Arlington, Mass.
1BUS—G. F. Wilson, 50 Howard St., Everett, Mass.
1BUT—W. R. Will, 24 Brooks St., Brighton, Mass.
1BUU—C. S. Harding, 7 Revere St., Haverhill, Mass.
1BUV—S. Meeker, 32 Blake St., Westboro, Mass.
1BUW—H. L. Wheeler, 66 Glendale Ave., Bridgeport, Conn.
1BUX—O. T. Wood, 17 Grenada Ter., Springfield, Mass.
1BUY—W. S. Bosworth, 6 Viking Terrace, Worcester, Mass.
1BUZ—O. Adamson, 8 Park Ave., Naugatuck, Conn.
1BV—L. G. Cumming, 83 Marlboro St., Boston, Mass.
1BVA—Unassigned
1BVB—D. B. Fancher, Westerly, R. I.
1BVC—J. C. Pavo, 463 N. Underwod Av., Fall River, Mass.
1BVD—W. P. White, 6 Clinton Ave., Newport, R. I.
1BVE—J. Rollinson, 27 Kenyon Ave., Wakefield, R. I.
1BVF—C. C. Waldrip, 81 Neptune St., Lynn, Mass.
1BVG—M. M. Everett, Woodford, Me.
1BVH—L. Fessenden, 110 Brooks St., W. Medford, Mass.
1BVI—C. E. Dahlstrom, 9 Gross Court, Lynn, Mass.
1BVJ—C. B. Hicks, 23 Main St., South Wellfleet, Mass.
1BVK—G. F. Cook, 89 Cottage St., Franklin, Mass.
1BVL—B. S. Briggs, 393 Ashmont St., Dorchester, Mass.
1BVM—Unassigned
1BVN—M. C. Sullivan, 21 Haseltine St., Bradford, Mass.
1BVO—H. O. Bixby, 65 Hillside St., Arlington, Mass.
1BVP—W. L. Ackroyd, 4 Conant Pl., Boston, Mass.
1BVQ—C. W. Spencer, Jr., 30 Cliftwood, Springfield, Mass.
1BVR—P. C. Noble, 37 Broad St., Westfield, Mass.
1BVS—H. F. Anderson, 28 Maple St., Torrington, Conn.
1BVT—R. M. Knight, Seamens Rd., New London, N. H.
1BVU—S. W. Culver, 77 Merrick St., Worcester, Mass.
1BVV—J. E. Wilkinsen, 35 Malvey St., Fall River, Mass.
1BVW—G. J. Urlwin, 83 Bay State Ave., Somerville, Mass.
1BVX—A. D. Crowell, 119 Stoughton St., Dorchester, Mass.
1BVY—J. W. Carter, 24 Auckland St., Dorchester, Mass.
1BVZ—C. E. Gagenheimer, 7 Perry Ave., Attleboro, Mass.
1BW—R. H. Shaw, 101 N. Central Ave., Wollaston, Mass.
1BWA—W. G. Boutin, Warcham St., S. Middleboro, Mass.
1BWB—E. V. Harwood, 92 Dunbar St., New Bedford, Mass.
1BWC—H. N. Igo, 261 Ashmun St., New Haven, Conn.
1BWD—M. L. Macadam, 123 North St., Calais, Me.
1BWE—J. A. Sullivan, 111 Bates St., Lewiston, Me.
1BWF—O. F. Jacobson, 116 King St., Neponset, Mass.
1BWG—R. W. Stearns, 422 Huron Ave., Cambridge, Mass.
1BWH—C. H. Mosman, 138 Grove St., Bridgeport, Conn.
1BWI—G. A. Reynolds, 34 Whitney St., Providence, R. I.
1BWJ—E. S. Parson, 152 W. Central St., Natick, Mass.
1BWK—H. C. Humphrey, Nannaquaket Rd., Tiverton, R. I.
1BWL—Marlboro Radio League, Park St., Marlboro, Mass.
1BWM—R. S. Daggett, Main St., Vineyard Haven, Mass.
1BWN—E. H. Peak, 38 Thatcher St., Medford, Mass.
1BWO—W. W. Ambach, 189 Temple St., W. Roxbury, Mass.
1BWP—C. E. Rodenhaven, 43 Marcella St., Roxbury, Mass.
1BWQ—C. F. Fitzgerald, 50 Simon St., Beverly, Mass.
1BWR—R. S. W. Curra, 37 Norfolk St., Canton, Mass.
1BWS—J. S. Walker, Silver Lake Ave., Wakefield, R. I.
1BWT—J. Murphy, 57 Ely Ave., South Norwalk, Conn.
1BWU—L. H. Johnson, 1283 Chapel St., New Haven, Conn.
1BWV—E. W. Dalton, 74 Catherine St., Springfield, Mass.
1BWW—S. M. Hall, 211 Wilbraham Rd., Springfield, Mass.
1BWX—B. A. Libby, Main St., Limerick, Me.
1BWY—Springfield Radio Assn., 19 Orleans St., Springfield, Mass.
1BWZ—A. H. Roberts, 16 Sycamore St., Brockton, Mass.
1BX—L. A. Cushman, S. Paris, Me.
1BXA—Unassigned
1BXB—R. Loveland, 19 Magoun Ave., Medford, Mass.
1BXC—D. C. Swan, Jr., 20 Sunset Rd., W. Somerville, Mass.
1BXD—H. D. Hughes, 27 Farrar Ave., Worcester, Mass.
1BXE—K. M. Green, 30 Franklin St., Rockland, Me.
1BXF—P. H. Flagg, Hubbardston, Mass.
1BXG—D. C. Swan, Jr., 20 Sunset Rd., Somerville, Mass.
1BXH—R. K. Cook, Central St., Rowley, Mass.
1BXI—A. Stevens, 51 Pleasant St., Revere, Mass.
1BXJ—C. P. Heers, 81 Blue Hill Ave., Boston, Mass.
1BXK—R. H. Upham, 12 University St., Leominster, Mass.
1BXL—E. P. McShane, 42 Whipple St., Lewiston, Me.
1BXM—W. E. Florence, Jr., 6 Eaton St., Reading, Mass.
1BXN—P. S. Carter, 35 Park St., Williamstown, Mass.
1BXO—H. F. Newman, 59 Burton St., Bristol, R. I.
1BXP—J. C. Laviana, 136 Hick St., Meriden, Conn.
1BXQ—W. C. Sweet, 10 Colonial St., Newport, R. I.
1BXR—A. R. Delorey, 65 Kaposia St., Auburndale, Mass.
1BXS—Jere Steady, 223 Main St., Berlin, N. H.
1BXT—J. Kelley, 77 Ely Ave., South Norwalk, Conn.
1BXU—D. Giroux, 8 Swan St., Waterville, Me.
1BXV—H. Gould, 54 Essex St., E. Lynn, Mass.
1BXW—F. W. Hill, 10 Dearborn Rd., W. Somerville, Mass.
1BXX—E. R. Rogers, 8 Ash St., Salem, Mass.
1BXY—D. W. Exner, Camp Massapeack, Norwich, Conn.
1BXZ—F. S. Stedman, 35 Winter St., Wakefield, R. I.
1BY—L. B. Davis, 12 Phillips St., Watertown, Mass.
1BYA—C. S. Hickox, 41 Sea Side Ave., Milford, Conn.
1BYB—Unassigned
1BYC—A. E. Spaulding, 31 Buffum St., Lynn, Mass.
1BYD—A. Santine, 80 Homes Ave., Dorchester, Mass.
1BYE—A. G. Francis, 16 Rowell St., Dorchester, Mass.
1BYF—C. Rich, R. F. D. No. 1, Swanton, Vt.
1BYG—C. Evans, 40 Howard St., Reading, Mass.
1BYH—K. I. Wilson, 21 Hall St., Somerville, Mass.
1BYI—H. F. Kingsbury, 27 Arlington St., Framingham, Mass.
1BYJ—T. O. Kingsbury, 170 State St., Framingham Ctr., Mass.
1BYK—D. R. Dean, 350 Court St., Auburn, Me.
1BYL—W. J. Reed, 35 Ware Rd., Auburndale, Mass.
1BYM—A. K. Beachenin, 67 Stewart St., Bristol, Conn.
1BYN—F. H. Bailey, 23 Harvard St., Worcester, Mass.
1BYO—A. W. Gilligan, 6 Lozier Ave., Westfield, Mass.
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1BYQ—E. H. Lambert, 84 Main St., N. Andover, Mass.
1BYR—William P. Bickford, 81 Summer St., Auburn, Me.
1BYS—J. Spencer, 224 Church St., New Bedford, Mass.
1BYT—E. Koteles, 60 Waldorf Ave., Bridgeport, Conn.
1BYU—H. Fisk, 40 Church St., Westfield, Mass.
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1BYW—O. C. F. Meisel, 94 Dorchester Ave., Boston, Mass.
1BYX—J. K. Clapp, 21 Lasell St., Auburndale, Mass.
1BYY—F. L. Chase, Forest St., Bass River, Mass.
1BYZ—Leslie A. Jones, 31 Thurston Ave., Newport, R. I.
1BZ—Clayton C. Fickett, 100 Ocean St., S. Portland, Me.
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1BZE—B. W. Bibby, 65 W. Canton St., Boston, Mass.
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1BZG—E. Radio Club, 81 Swan St., Everett, Mass.
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1BZI—H. A. Miller, 28 Hansen Ave., Bridgeport, Conn.
1BZJ—E. W. McCaul, 16 Chesley Ave., Newtonville, Mass.
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1BZL—L. W. Grundy, Main St., Phillips, Me.
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1BZS—W. M. Frohock, 9 Union St., Rockland, Me.
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1BZU—J. L. Moriarty, 62 Foster St., New Bedford, Mass.
1BZV—Swan Junior High School, Park & Washington Sts., Medford, Mass.
1BZW—Concord High Sch'l Radio Club, Concord, Mass.
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1CAO—P. W. Murray, 15 Chandler St., Waverly, Mass.
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1CAQ—Unassigned
1CAR—Unassigned
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1CAT—Unassigned
1CAU—Unassigned
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1CAW—Unassigned
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1CAZ—J. N. Langdon, Charlestown Rd., Claremont Jct., N. H.
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1CBD—Unassigned
1CBE—Unassigned
1CBF—Unassigned
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1CBN—Unassigned
1CBO—Unassigned
1CBP—Unassigned
1CBP—Unassigned
1CBQ—Unassigned
1CBR—Unassigned
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1CBT—Unassigned
1CBU—Unassigned
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1CBW—Unassigned
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1CBZ—E. J. Bradley, 100 Keeley St., Haverhill, Mass.
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1CCB—Unassigned
1CCC—Unassigned
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1CCF—Unassigned
1CCG—Unassigned
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1CCI—W. Kemble, 63 Alger Ave., Providence, R. I.
1CCJ—W. S. Borek, 16 Indiana Ave., Worcester, Mass.
1CCK—Unassigned
1CCL—Unassigned
1CCM—Unassigned
1CCN—Unassigned
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1CCQ—C. H. Burckes, 18 Sargent Ave., Somerville, Mass.
1CCR—Unassigned
1CCS—J. M. Hunt, Jerusalem Rd., Cohasset, Mass.
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1CCU—Unassigned
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1CCW—Unassigned
1CCX—M. Gelardi, 36 George St., Revere, Mass.
1CCY—Unassigned
1CCZ—E. C. Crossett, Seaview Ave., Wianno, Mass.
1CD—L. S. Isbell, N. Anson, Me.
1CDA—Unassigned
1CDB—H. A. Caln, 593 Ash St., Brockton, Mass.
1CDC—Unassigned
1CDD—Unassigned
1CDE—W. Richards, 27 Outlook Ave., W. Hartford, Conn
1CDF—Unassigned
1CDG—C. Quigley, 153 Jefferson Ave., Everett, Mass.
1CDH—Unassigned
1CDI—E. A. Murphy, 125 Langdon Ave., Watertown, Mass.
1CDJ—J. A. Cascy, 105 Maple St., Melrose, Mass.
1CDK—C. S. Knowlton, 95 Essex St., Beverly, Mass.
1CDL—Unassigned
1CDM—G. W. Battey, "Samoset," Watch Hill, R. I.
1CDN—G. H. James, Hardwick, Vt.
1CDO—W. Brackett, 838 Middle St., Bath, Me.
1CDP—E. L. Bandall, Mattapoisett, Mass.
1CDQ—Unassigned
1CDR—Unassigned
1CDS—S. A. Story, 21 Naples Rd., Salem, Mass.
1CDT—H. Drew, 65 Rutledge Rd., Hyde Park, Mass.
1CDU—Unassigned
1CDV—C. D. Belcher, Jr., 154 Pauline St., Winthrop, Mass.
1CDW—Unassigned
1CDX—E. H. Perkins, 58 E. Main St., Georgetown, Mass.
1CDY—Unassigned
1CDZ—Unassigned
1CE—F. Le Baron, 407 Ash St., Brockton, Mass.
1CEA—A. F. Heath, 52 Sheridan St., Haverhill, Mass.
1CEB—E. W. Corby, 43 Fourth St., Bridgeport, Conn.
1CEC—F. J. Fox, 258 Nicoll Ave., New Haven, Conn.
1CED—K. E. Holmes, 13 Myrtle St., Somersworth, N. H.
1CEE—Unassigned
1CEF—Unassigned
1CEG—Unassigned
1CEH—Unassigned
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1CEJ—Unassigned
1CEK—E. J. Atkinson, 1095 Tyler St., Pittsfield, Mass.
1CEL—F. P. Sproul, 320 Marlboro St., Boston, Mass.
1CEM—Unassigned
1CEN—C. H. Warwick, 58 Barry St., Dorchester, Mass.
1CEO—Unassigned
1CEP—Unassigned
1CEQ—Unassigned
1CER—Unassigned
1CES—E. M. Bradley, 38 Church St., Lynn, Mass.
1CET—Unassigned
1CEU—Unassigned
1CEV—P. C. Elsner, 107 Jacques St., Somerville, Mass.
1CEW—D. F. Weigel, 161 Pond St., Leominster, Mass.
1CEX—Unassigned
1CEY—Unassigned
1CEZ—Unassigned
1CF—F. C. Bowditch, Jr., 164 Rawson rd., Brookline, Mass.
1CFA—Unassigned
1CFB—Unassigned
1CFC—H. E. Hall, 30 Summer St., Nashua, N. H.
1CFD—Unassigned
1CFE—Unassigned
1CFF—Unassigned
1CFG—E. Jackson, 10 Elmwood Rd., Swampscott, Mass.
1CFH—Unassigned
1CFI—F. W. Pierce, 569 Bedford St., Elmwood, Mass.
1CFJ—C. F. DeCosta, 44 "E" St., So. Portland, Me.
1CEK—Unassigned
1CFL—E. A. Smalley, 57 Nichols St., Everett, Mass.
1CFM—M. Hurvitz, Rollins Place, Boston, Mass.
1CFN—W. H. Hanson, Rockingham, N. H.
1CFO—A. E. Clough, 35 Lincoln St., Somersworth, N. H.
1CEP—F. K. Brown, 20 Greenwood St., Marlboro, Mass.
1CEQ—Unassigned
1CFR—J. Eldon, 427 Andover St., S. Lawrence, Mass.
1CFS—W. S. Howland, 49 Pritchard St., Somerville, Mass.
1CET—K. F. Cailon, 5 Oakland St., Springfield, Mass.
1CFU—L. K. Keenan, 117 Otis St., Medford, Mass.
1CFV—H. C. Weare, Jr., 23 Trowbridge, Newtonville, Mass.
1CFW—Unassigned
1CFX—E. T. Haynes, Bradford, Vt.
1CFY—Unassigned
1CFZ—Unassigned
1CG—W. F. Woolworth, 64 Lexington St., Charleston, Mass.
1CGA—Unassigned
1CGB—Unassigned
1CGC—M. Scott, 284 Nichols St., Bridgeport, Conn.
1CGD—W. G. Cole, Bradford, Vt.
1CGE—F. D. Burnett, 36 Longwood Ave., Holyoke, Mass.
1CGF—Unassigned
1CGG—Unassigned
1CGH—Unassigned
1CGI—Unassigned
1CGJ—J. Peterson, 137 Ballard St., Saugus, Mass.
1CGK—Unassigned
1CGL—Unassigned
1CGM—L. F. Parker, Crescent Beach St., Burlington, Vt.
1CGN—Unassigned
1CGO—V. Johnson, 166 Eastwood Ave., Providence, R. I.
1CGP—O. G. Bourdman, 49 Mt. Vernon, Braintree, Mass.
1CGQ—O. H. Eger, 1097 Main St., Holyoke, Mass.
1CGR—F. D. Burnett, 72 Converse St., Longmeadow, Mass.
1CGS—G. C. Sabin, 44 Maple St., Northampton, Mass.
1CGT—W. Newton, 69 Arnold Ave., Edgewood, R. I.
1CGU—S. B. Coleman, Dayton, Me.
1CGV—F. T. Holmes, Bradleyville Rd., Waterbury, Conn.
1CGW—T. W. Hickcox, 229 Cooke St., Waterbury, Conn.
1CGX—A. W. Ganz, 39 Viola St., Providence, R. I.
1CGY—Unassigned
1CGZ—Unassigned
1CH—E. S. Watkins, 79 Hillsdale, Ave., Waterbury, Conn.
1CHA—P. Darche, 46 Progress St., Abington, Mass.
1CHB—Unassigned
1CHC—W. S. Van Brocklin, 1036 South, Roslindale, Mass.
1CHD—R. C. Duncan, 27 Adams Ave., Watertown, Mass.
1CHE—J. E. Higley, 278 E. Main St., No. Adams, Mass.
1CHF—C. F. Wood, 39 Cheever St., Milton, Mass.
1CHG—R. G. Matheson, 282 Washington, Gloucester, Mass.
1CHH—Amogerone Fire Co. No. 1, Greenwich, Conn.
1CHI—Unassigned
1CHJ—R. E. Herbert, 81 North St., Northampton, Mass.
1CHK—E. T. Norton, 8 Columbia Tr., Portland, Me.
1CHL—B. F. Dorgan, 206 Lombard St., New Haven, Conn.
1CHM—A. J. Nichols, 164 Broadway Taunton, Mass.
1CHN—R. J. Hartshorn, 10 Spring Hill, Somerville, Mass.
1CHO—G. K. Rollins, 93 Montrose St., Springfield, Mass.
1CHP—H. A. Jacobs, 25 Smith Ave., Westfield, Mass.
1CHQ—A. W. Watkins, Merrimack, N. H.
1CHR—P. R. Allen, 131 Rowe St., Auburndale, Mass.
1CHS—M. E. Burns, 6 Main St., Quincy, Mass.
1CHT—Unassigned
1CHU—H. E. Webb, 18 Beach Ave., Milford, Mass.
1CHV—J. W. Dalton, 194 Flander St., Bridgeport, Conn.
1CHW—F. W. Sickles, 150 Union St., Springfield, Mass.
1CHX—J. De Young, 11 Sheafe St., Malden, Mass.
1CHY—W. M. Keith, 8 Walnut St., Auburn, Me.
1CHZ—A. St. Laurent, 41½ Green St., Somersworth, N. H.
1CI—F. H. Hankins, Jr., 62 Kensington Ave., Northampton, Mass.
1CIA—A. A. McAdoo, 50 Winter St., East Saugus, Mass.
1CIB—G. W. Newell, Elm St., Yarmouthville, Me.
1CIC—L. G. Frank, 10 Kilsyth Rd., Brookline, Mass.
1CID—M. C. Richmond, 262 Newbury St., Boston, Mass.
1CIE—L. E. Harlow, 114 Pleasant St., Auburn, Me.
1CIF—J. Phillips, 14 Pearl St., Brookline, Mass.
1CIG—M. A. Metz, 11 Avon St., Somerville, Mass.
1CIH—A. M. DeBenedictus, 345 Broadway, Boston, Mass.
1CII—K. F. Remington, 747 High St., Fall River, Mass.
1CIJ—W. S. Wellington, 7 Alder St., Waltham, Mass.
1CIK—St. Paul's School Radio Club, Concord, N. H.
1CIL—A. Anderson, 239 Wilson St., Bridgeport, Conn.
1CIM—W. E. Hibbard, 11½ Belvidere St., Boston, Mass.
1CIN—L. M. Tuttle, 53 East Ave., Pawtucket, R. I.
1CIO—J. F. O'Donnell, Derby Place., Roxbury, Mass.
1CIP—E. N. Wendell, 15 Norwood Ave., Rockport, Mass.
1CIQ—E. B. Cobb, Cottage St., Medford, Mass.
1CIR—L. K. Henderson, 937 Bedford, N. Abington, Mass.
1CIS—H. E. Dickerman, 964 Hancock St., Quincy, Mass.
1CIT—R. Tausey, 22 Grandview Ave., Somerville, Mass.
1CIU—E. A. Dolan, 6 Hobart St., Westerly, R. I.
1CIV—H. B. Bassett, Jr., 94 Armington St., Cranston, R. I.
1CIW—E. F. Whiddon, 16 Gray St., Boston, Mass.
1CIX—H. F. Lafstein, 36 Cotting Ave., Marlboro, Mass.
1CIY—C. E. Platt, 20 Bellevue St., Medf'd Hillside, Mass.
1CIZ—C. Christian, 60 Fourth St., Waterbury, Conn.
1CJ—A. Kybert, 318 California St., Newton, Mass.
1CJA—G. E. Nothnagle, 176 Waldemere, Bridgeport, Conn.
1CJB—E. J. Reidenouer, 52 Fairfield, Bridgeport, Conn.
1CJC—P. Hitchen, 256 Weetamoe St., Fall River, Mass.
CJD—D. P. Tucker, 220 Highland Ave., Winchester, Mass.
1CJE—H. B. Weaver, 603 Angell St., Providence, R. I.
1CJF—Unassigned
1CJG—E. J. Lane, 35 Cooke St., Waterbury, Mass.
1CJH—M. J. Eaton, 44 N. Main St., Rutland, Vt.
1CJI—A. W. Hyde, 19 Caro St., Worcester, Mass.
1CJJ—Boy Scouts of America, 485 Columbus, Boston, Mass.
1CJK—E. A. Parker, 44 Washington St., Newton L. F., Mass.
1CJL—E. W. Wheelock, Sagamore, Mass.
1CJM—H. F. Krzinowek, 72 Wellington, Worcester, Mass.
1CJN—H. J. Smith, 7 Palmer St., Pawcatuck, Conn.
1CJO—F. C. Gow, 198 Central St., Springfield, Mass.
1CJP—C. C. Howard, 10 Conwell St., Somerville, Mass.
1CJQ—J. G. Nolan, 76 Fountain St., Medford Mass.
1CJR—H. M. Cox, Jr., 6 Arbutus Rd., Swampscott, Mass.
1CJS—Lars J. Sandberg, 11 Wolcott Rd., Winchester, Mass.
1CJT—A. A. Stone, 76 Belmont Ave., Brockton, Mass.
1CJU—T. C. Crocker, 50 Locke St., Ansonia, Conn.
1CJV—A. E. T. Carlson, 57 Standish St., Worcester, Mass.
1CJW—W. I. Bendz, 91 Atlantic Ave., Fitchburg, Mass.
1CJX—T. L. Stetson, 51 West St., E'mwood, Mass.
1CJY—R. H. Keith, 231 Plymouth, E. Bridgewater, Mass.
1CJZ—T. R. Walsh, 31 Eighth St., Derby, Conn.
1CK—P. F. Robinson, 149 Hillis Ave., Braintree, Mass.
1CKA—E. A. Kajander, 20 Dartmouth St., Maynard, Mass.
1CKB—H. W. Powers, 8 Lincoln St., Maynard, Mass.
1CKC—W. T. Moulton, 127 Paradise Rd., Swampscott, Mass.
1CKD—C. F. Gill, Box 34, Hartland, Vt.
1CKE—H. C. Stewart, 185 Wahcanah St., Pittsfield, Mass.
1CKF—S. Groome, Kent School, Kent, Conn.
1CKG—L. R. Edwards, Park & Chalmers, Bridgeport, Conn.
1CKH—A. K. Laing, Dartmouth College, Hanover, N. H.
1CKI—S. Torneo, 33 Lewis St., Winsted, Conn.
1CKJ—H. E. Curtis, Mechanic St., Kennebunk, Me.
1CKK—E. L. St. Clair, 70 Fenton Ave., Laconia, N. H.
1CKL—H. W. Castner, 15 Temple St., Portland, Me.
1CKM—R. H. Bissell, North St., Medfield, Mass.
1CKN—R. E. Burton, 323 Clark Rd., Brookline, Mass.
1CKO—A. H. Adams, Littleton St., Chelmsford, Mass.
1CKP—G. H. Pinney, 84 Prospect St., S. Manchester, Conn.
1CKQ—E. H. McRonald, 27 Belknap St., Portland, Me.

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1CKS—R. P. Sterritt, 16 Ridge Rd., Waverly, Mass.
1CKT—W. W. Lana, 697 Westminster Hill, Fitchburg, Mass.
1CKU—Unassigned
1CKV—K. G. MacLean, 21 Pearl St., Quincy, Mass.
1CKW—S. R. Ames, 34 Prospect St., Rockland, Mass.
1CKX—Unassigned
1CKY—H. H. Morrell, 543 Whalley Ave., New Haven, Conn.
1CKZ—Unassigned
1CL—C. A. Smith, S. Portland, Me.
1CLA—H. N. Brownell, 47 Fair St., Nantucket, Mass.
1CLB—Unassigned
1CLC—Unassigned
1CLD—A. W. Johnson, 6 Watson Ave., Worcester, Mass.
1CLE—E. M. Howland, 18 Cottage St., Elmwood, Mass.
1CLF—E. E. Hale 226 Main St., Webster, Mass.
1CLG—F. H. Conant, 24 Third St., Attleboro, Mass.
1CLH—J. T. Griffin, 36 Edison St., Quincy, Mass.
1CLI—H. W. Thomson, Grove St., Millbury, Mass.
1CLJ—H. P. Davis, Northfield, Mass.
1CLK—Unassigned
1CLL—E. E. Waeger, 25 Tannery St., Cambridge, Mass.
1CLM—T. A. Bastable, 72 Arcadia St., Revere, Mass.
1CLN—C. H. Biron, 1097 Tyler St., Pittsfield, Mass.
1CLO—D. J. Baker, 718 Maple Ave., Hartford, Conn.
1CLP—Unassigned
1CLQ—J. J. Welch, 107 Mason St., Salem Mass.
1CLR—M. Adams, Jr., 225 Hunts Ave., Pawtucket, R. I.
1CLS—R. W. Jones, 50 Main St., Plymouth, Mass.
1CLT—J. M. Wishnegrad, 3620 Main St., Bridgeport, Conn.
1CLU—E. Sutherland, 31 Hadley St., No. Cambridge, Mass.
1CLV—L. W. Murray, 150 Essex St., Clifondale, Mass.
1CLW—I. F. Grant, Sangerville, Me.
1CLX—G. F. Caldwell, Main St., Stockbridge, Mass.
1CLY—Unassigned
1CLZ—F. H. Smyser, 46 Bickford Ave., Revere, Mass.
1CM—H. R. McLaue, 342 Union Ave., Laconia, N. H.
1CMA—J. G. Kreis, 3055 State St., No. Haven, Conn.
1CMB—E. Venner, 24 May St., No. Andover, Mass.
1CMC—M. J. Welsh, 43 Sanford St., Melrose Mass.
1CMD—H. W. Saunders, 8 Spring St., Westbrook, Me.
1CME—R. D. Kneeland, 63 Pond St., Georgetown, Mass.
1CMF—W. A. Nash, 457 Main St., Biddeford, Me.
1CMG—H. I. Heaney, Ayer Ave., Lowell, Mass.
1CMH—L. Rizeli, 1 Washington Sq., Salem, Mass.
1CMI—B. F. Cutter, 1069 Westminster, Providence, R. I.
1CMJ—M. Ortelt, 27 Sampson St., Providence, R. I.
1CMK—P. H. Bloom, 682 East St., Holyoke, Mass.
1CML—Unassigned
1CMM—W. Purdy, 33 Laurel St., Watertown, Mass.
1CMN—H. G. Dolphin, 213 Commerce, New Haven, Conn.
1CMO—L. A. Jones, Bourne St. Kennebunk, Me.
1CMP—W. E. Jackson, 32 Clarence St., Bridgewater, Mass.
1CMQ—E. Sargeant, 67 Alger Ave., Providence, R. I.
1CMR—J. L. Perkins, 31a Tower St., Somerville Mass.
1CMS—E. F. Curley, 210 W. London St., Lowell, Mass.
1CMT—G. R. Cogswell, 18 Concord Ave., Cambridge, Mass.
1CMU—W. Higgins, 406 Hollis St., Framingham, Mass.
1CMV—B. C. McGuire, 261 Foster St., Lowell, Mass.
1CMW—R. W. Dodd, 163 Main St., Rockport, Mass.
1CMX—J. Borden, IV., 291 Cherry St., Fall River, Mass.
1CMY—F. S. Tybure, 174 Derby St., Salem, Mass.
1CMZ—G. F. Cory, 383 Cottage St. New Bedford, Mass.
1CN—R. P. Griswold, 164 Webster Ave., Providence, R. I.
1CNA—W. A. Knight, 47 Church St., Hudson, Mass.
1CNB—Unassigned
1CNC—Unassigned
1CND—B. W. Biddy, 34 High St., Westboro, Mass.
1CNE—C. E. Lynch, 175 Hinckley St., Northampton, Mass.
1CNF—W. S. Allen, St. Mark's School, Southboro, Mass.
1CNG—W. A. Osborne, Jr., Main St., Hyannis, Mass.
1CNH—H. L. Johnstone, 469 Washington, W. Haven, Conn.
1CNI—H. C. Reynolds 14 Lakeview Ave., Lynn, Mass.
1CNJ—A. B. Connet, 67 Whitmarh St., Providence, R. I.
1CNK—H. R. Watson, 25 Wilson St., Burlington, Vt.
1CNL—E. A. Goodwin, 127 High St., Somersworth, N. H.
1CNM—J. A. Lucas, 547 Bruce Ave., Stratford, Conn.
1CNN—H. T. Osgood, 1 Brooks Court, Salem, Mass.
1CNO—Unassigned
1CNP—E. L. Roberts, 34 Sixth St., Bangor, Me.
1CNQ—J. B. Maher, Anderson Ave., Woodmont, Conn.
1CNR—Delta Electric Co., 658 Main St., Worcester, Mass.
1CNS—Unassigned
1CNT—R. S. Mears, 371 Main St., Haverhill, Mass.
1CNU—H. R. Dyke 197 St. Botolph St., Boston, Mass.
1CNV—O. R. Garfield, 9 Webster St., Middleboro, Mass.
1CNW—R. Fontana, 48 Bosworth St., W. Springfield, Mass.
1CNX—C. A. Kelleher, 81 Plymouth No. Abington, Mass.
1CNY—J. R. Quick, 12 Park St., Lynn, Mass.
1CNZ—F. W. Harney, 229 Harvard St., Cambridge, Mass.
1CO—P. F. Hallock, Stearns Road, Wellesley, Mass.
1COA—F. H. Gaylor, 264 Wood St., Waterbury, Conn.
1COB—M. F. Damon, 6 Church St., Weymouth Hts., Mass.
1COC—E. L. Crandell, 31 Orkney Rd., Brookline, Mass.
1COD—Arlington Radio Club, Arlington, Mass.
1COE—C. L. Walton, 286 Front St., Portland, Me.
1COF—Middleboro Y. M. C. A., Middleboro, Mass.
1COG—D. O. Friend, 623 Main St., Woburn, Mass.
1COH—N. H. Young, 87 Main St., Malden, Mass.
1COI—S. D. Trafton, 323 Minot Ave., Auburn, Me.
1COJ—E. J. Murphy, 27 Columbia Rd., No. Andover, Mass.
1COK—New London Radio Club, 44 Meridan St., New London, Conn.
1COL—R. H. Spaulding, 71 Piggott Rd., Medford, Mass.
1COM—E. J. Sweeney, 83 Yorktown St., Somerville, Mass.
1CON—F. B. White, 141 Columbia Ave., Cranston, R. I.
1COO—W. J. Lindsay, Main St., Millbury, Mass.
1COP—R. G. Ling, 16 Porter St., Danvers, Mass.
1COQ—Unassigned
1COR—L. W. Pomeroy, 303 Hannibal Hamlin Hall, Orono, Me.
1COS—J. F. Karl, 7 Wilcox St., New Haven, Conn.
1COT—R. C. Hollis, 22 Cleveland Ave., Braintree, Mass.
1COU—R. L. Cook, 104 College Ave., Medford, Mass.
1COV—E. W. Merritt High St., No. Scituate, Mass.
1COW—F. J. Thompson, Main St., West Upton, Mass.
1COX—Unassigned
1COY—J. E. LaMarche, 1038 Massachusetts Av., Cambridge, Mass.
1COZ—J. W. Thompson, 28 Channing St., Newport, R. I.
1CP—C. E. Howell, 139 Summer St., Watertown, Mass.
1CPA—J. W. Spaulding, 304 Greenwich, New Haven, Conn.
1CPB—H. J. Welsh, 8 Sharon Rd., Quincy, Mass.
1CPC—J. W. Fleet, 16 Cambridge St., Lowell, Mass.
1CPD—S. J. Tillotson, 5 Elliott St., Worcester, Mass.
1CPE—F. R. Leave, 2 Pearl St., Dorchester, Mass.
1CPF—J. A. Grant, 36 Walnut St., Everett, Mass.
1CPG—A. F. G. Bruder, High St., Upton, Mass.
1CPH—P. St. Jacques, Jr., 272 Adams Woonsocket, R. I.
1CPI—W. J. Kelley, 26 Winsor St., Watertown, Mass.
1CPJ—R. F. Atwood, 61 Howard St., Reading, Mass.
1CPK—P. A. Carroll, 12 John St., Reading Mass.
1CPL—H. B. Reynolds, 212 Albion St., Wakefield, Mass.
1CPM—P. P. Nichols, R. F. D., Randolph, Vt.
1CPN—P. M. Morse, 4 Humboldt Ave., Worcester, Mass.
1CPO—R. P. Slayton, Portland St., Morrisville, Vt.
1CPP—B. K. Newman, 7 Quintard, So. Norwalk, Conn.
1CPQ—F. I. Bickford, 137 Burrill St., Swampscott, Mass.
1CPR—Thornton Academy, Main St., Saco, Me.
1CPS—C. W. Howard, 261 Huntington New London, Conn.
1CPT—M. W. Cayton, 7 Briggs Ct. New Bedford, Mass.
1CPU—S. F. Beauchamp, 759 Chicopee, Williamsett, Mass.
1CPV—P. E. Boyce, 592 Central Ave., Westville, Conn.
1CPW—S. N. Blake, Jr., 111 Winthrop, Brookline, Mass.
1CPX—R. Williams, 44 Pitman St., Providence, R. I.
1CPY—P. Ierardi, 38 Campfield St., Hartford, Conn.
1CPZ—F. P. Pallotti, 176 Preston St. Hartford, Conn.
1CQ—B. E. Stewart, 217 Crofts St., Newtonville, Mass.
1CQA—H. L. Eby, 883 Connecticut Av., Bridgeport, Conn.
1CQB—J. H. Kelly, Jr., 38 Carroll Ave., Newport, R. I.
1CQC—H. I. Jayne, 103 Cottage St., Bridgeport, Conn.
1CQD—A. S. Brookes, Salisbury Sch., Salisbury, Conn.
1CQE—W. C. Schappa, 144 Dover St., New Haven, Conn.
1CQF—L. D. Bowman, 68 Summer St., Springfield, Vt.
1CQG—I. R. Wilkie, Royal Mills, Riverpoint, R. I.
1CQH—W. H. Burke, Fellows Rd., Ipswich, Mass.
1CQI—Unassigned
1CQJ—N. Dow, New London, N. H.
1CQK—J. L. Peters, East Holliston, Mass.
1CQL—W. M. Sanborn, 16 Merrimack St., Concord, N. H.
1CQM—G. R. Town, 18 Church St., Poultney, Vt.
1CQN—A. E. Parker, 14 Chestnut St., Auburn, Me.
1CQO—F. S. Huddy, The Choate Sch., Wallingford, Conn.
1CQP—R. E. Cushing, 243 Eagle St., North Adams, Mass.
1CQQ—P. F. Van Derzee, 70 Ruggles St., Roxbury, Mass.
1CQR—L. E. Marston, 76 Goff St., Auburn, Me.
1CQS—E. W. Llongquist, 28 Madison Av., Hartford, Conn.
1CQT—R. A. Martin, 193 College St., Lewiston, Me.
1CQU—D. B. Waterhouse, 193 College St., Lewiston, Me.
1CQV—Unassigned
1CQW—R. E. Thomas, 82 Mill St., Newport, R. I.
1CQX—K. G. Callahan, Cottage St., Sharon, Mass.
1CQY—E. R. Merrow, 208 Main St., Auburn, Me.
1CQZ—C. H. Leroux, 84 Franklin St., New Britain, Conn.
1CB—C. F. Hall, 44 Washington St., New London, Conn.
1CRA—Unassigned
1CRB—Unassigned
1CRC—E. E. Neff, 400 Waverly Oaks Rd., Walt'm, Mass.
1CRD—C. M. Nash, 51 South St., Plainville, Mass.
1CRE—E. H. Diggins, 35 Stone Ave., Somerville, Mass.
1CRF—F. E. Allen, 21 Cross St., Brockton, Mass.
1CRG—F. L. Curran, 96 N. Bend St., Pawtucket, R. I.
1CRH—R. W. Thomas, 674 Washington Av., W. Haven, Ct.
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1CRJ—C. D. Hichborn, 11 Spring St., Foxcroft, Me.
1CRK—B. L. Allen, 119 Derby St., New Haven, Conn.
1CBL—Bridgeport High School, Bridgeport, Conn.
1CRM—G. P. Lawton, Tiverton 4 Corners, Tiverton, R. I.
1CRN—B. V. Peirson, 1 Coggleshell Ave., Newport, R. I.
1CRO—R. Warner, 1 Kennedy Rd., Cambridge, Mass.
1CRP—D. W. King, 396 Walnut St., Springfield, Mass.
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1CRR—G. R. Dalley, 65 Chatham St., New Haven, Conn.
1CRS—H. B. Bartlett, 28 First St., Pittsfield, Mass.
1CRT—Unassigned
1CRU—G. D. Littlefield, Main St., Searsport, Me.
1CRV—J. L. Pike, Alfred St., R. F. D. 2, S. Portland, Me.
1CRW—Jeffrey-Nichols Motor Co., 971 Commonwealth Ave., Boston, Mass.
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1CRY—G. N. McNeil, 347 Linwood, Newtonville, Mass.
1CRZ—R. E. Barrett, Jr., 71 Fairfield St., Holyoke, Mass.
1CS—F. B. Swett, 81 Essex St., Clifondale, Mass.
1CSA—J. F. Cole, 136 Perkins St., Somerville, Mass.
1CSB—T. B. Bliss, 312 Maple St., Danvers, Mass.
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1CSK—L. A. Blanchard, 248 N. Main, Springfield, Mass.
1CSL—I. B. Woundy, 16 Railroad Av., New Canaan, Conn.
1CSM—W. Martin, 16 Montgomery Ave., Somerville, Mass.
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1CSP—C. J. Mudri, 1927 Seaview Ave., Bridgeport, Conn.
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1CSR—H. S. Pike, 16 Maxson St., West Mystic, Conn.
1CSS—G. A. Hall, Boscawen, N. H.
1CST—E. Ellis, 2 Beach Boad, Winthrop, Mass.
1CSU—C. B. Curtice, 83 Kaposia St., Auburndale, Mass.
1CSV—G. C. Goudy, Sewall's Hill, York Village, Me.
1CSW—C. F. Scott, 29 Alice Ave., Woonsocket, R. I.
1CSX—R. O. Mortensen, 171 Cherry St., Malden, Mass.
1CSY—G. H. Bodick, 36 Elsner Ave., So. Portland, Me.
1CSZ—J. B. Bussell, Jr., 33 Newcastle, Brighton Mass.
1CT—J. L. McGrath, 206 Fayette St., Wollaston, Mass.
1CTA—T. H. Eames, 11 Chapel St., West Somerville, Mass.
1CTB—E. I. Phillips, 12 Ward Place, West Haven, Conn.
1CTC—M. H. Johnson, 101 Johnson Ave., Winthrop, Mass.
1CTD—R. O. Scofield, 95 North St., Stanford, Conn.
1CTE—H. Bradbury, 115 Whitney St., Auburn, Me.
1CTF—W. W. Taylor, 50 Clifford St., Taunton, Mass.
1CTG—B. A. Harris, 66 Prospect Ave., Norwood, Mass.
1CTH—E. J. Coulson, 54 Franklin St., Whitman, Mass.
1CTI—F. A. Ellis, Jr., 2 Mott Ave., Norwalk, Conn.
1CTJ—G. C. Barney, 524 Goebel St., Berlin, N. H.
1CTK—C. B. Newman, 15 Proctor St., Worcester, Mass.
1CTL—H. E. Willis, 7 N. Franklin St., Holbrook, Mass.
1CTM—C. F. Hanscom, East Walpole, Mass.
1CTN—L. W. Stevens, 63 Pleasant St., Marlboro, Mass.
1CTO—O. J. Aakre, 182 Nilsson St., Brockton, Mass.
1CTP—N. L. Mower, 11 Forest Ave., Auburn, Me.
1CTQ—D. E. White, 12 Park St., Newport, R. I.
1CTR—F. W. Gatenly, Newfield St., No. Chelmsford, Mass.
1CTS—F. P. Canney, 5 Malden St., Boston, Mass.
1CTT—W. B. Lambe, 21 Bryant St., Springfield, Mass.
1CTU—F. P. Webber, 15 Puritan Rd., Swampscott, Mass.
1CTV—W. G. Thurston, Alston St., Lynn, Mass.
CTW—M. A. Gordon, 1156 Washington, S. Braintree, Mass.
1CTX—M. Cohen, Montville, Conn.
1CTY—R. C. Higgy, 44 E. Mansfield St., Hartford, Conn.
1CTZ—Unassigned
1CU—H. G. Calkin, Keene, N. H.
1CUA—H. E. Morse, 292 Humphrey, Swampscott, Mass.
1CUB—M. L. Towle, 53 Union St., Auburn, Me.
1CUC—C. L. N. Emerson, 14 Goddard St., Webster, Mass.
1CUD—L. A. Byam, Jr., Action St., So. Chelmsford, Mass.
1CUE—J. B. Henry, Lincoln, N. H.
1CUF—P. H. Douglas, Taylor Ave., Buzzards Bay, Mass.
1CUG—A. W. Hotchkiss, 28 Locke St., Ansonia, Conn.
1CUH—W. S. Atwood, 80 Sea St., New Haven, Conn.
1CUI—R. G. Kinch, 12 Gay St., No. Chelmsford Mass.
1CUJ—G. A. Cary, 231 Pleasant St., Brockton, Mass.
1CUK—J. W. Packard, 1442 Washington St., Canton, Mass.
1CUL—J. Traves, 3 Gifford St., New Bedford, Mass.
1CUM—W. Rossmeisl, 170 Silver St., Greenfield, Mass.
1CUN—H. B. Frederick, 11 Hope St., Pawtucket, R. I.
1CUO—W. E. Berger, 3151 Main St., Stratford, Conn.
1CUP—H. Newman, 26 Fountain St., Worcester, Mass.
1CUQ—Unassigned
1CUR—E. F. Gaudet, 7 Maxwell St., Bath, Me.
1CUS—F. W. Striebe, 233 Goddard, Bridgeport, Conn.
1CUT—H. B. Barnett, 15 Norwich Ave., Providence, R. I.
1CV—Boy Scouts & Wor. N. Badio A., Fitchburg, Mass.
1CW—J. S. Day, 47 Madison Ave., Revere, Mass.
1CX—R. S. MacArthur, 2 Cambridge, Cambridge, Mass.
1CY—F. M. Oliver, 309 Washington St., Braintree, Mass.
1CZ—E. J. Gallagher, 16 Appleton St., Atlantic, Mass.
1DA—F. Wigglesworth, Bridge St., Manchester, Mass.
1DB—A. H. Carr, 17 Vinson St., Worcester, Mass.
1DC—Tabor Academy Radio Club, Marion, Mass.
1DD—R. S. Johnson, 502 Huron St., Cambridge, Mass.
1DE—W. L. Collins, 44 Carver Newton Highlands, Mass.
1DF—A. H. Wood, Jr., 17 Cabot St., Winchester, Mass.
1DG—G. W. Butterfield, 14 Birch Hill, Wakefield, Mass.
1DH—E. W. Whittier, 63 Terrace Ave., Winthrop, Mass.
1DI—J. W. Foster, Georgetown, Conn.
1DJ—A. E. Ridley, 47 Prospect Ave., Winthrop, Mass.
1DK—K. A. Bedfield, 18 Mace Place, Lynn, Mass.
1DL—W. H. Lewis, Jr., 226 Upland Rd., Cambridge, Mass.
1DM—Conover Fitch, 50 Dunster Rd., Brookline, Mass.
1DN—H. E. Duncan, 26 Berkshire Rd., Newtonville, Mass.
1DO—G. Ohlson, 472 Crafts St., Newton, Mass.
1DP—E. E. Hayward, Jr., 50 Hall Ave., Watertown, Mass.
1DQ—J. D. MacGregor, Jr., Box 327, Greenwich, Conn.
1DR—L. A. Pulley, 33 Porter St., Melrose, Mass.
1DS—E. W. Nickerson, 16 Atlantic Ave., Beverley, Mass.
1DT—J. F. White, 111 Lexington St., E. Boston, Mass.
1DU—E. S. Rogers, 69 High St., Portland, Me.
1DV—F. H. Cummings, 6 Joy St., Boston, Mass.
1DW—S. P. Ware, 75 Winthrop St., Everett, Mass.
1DX—Haverhill Radio Club, Haverhill, Mass.
1DY—A. V. Johnson, 137 Lawton Ave., Lynn, Mass.
1DZ—J. F. Archibald, 19 South St., Medford, Mass.
1EA—W. K. Shaw, Nashawtuc Rd., Concord, Mass.
1EB—G. A. Marsh, 34 Cambridge Tr., Cambridge, Mass.
1EC—H. E. Foley, 32 Tufts Ave., Everett, Mass.
1ED—H. N. Armbrust, Jamestown, R. I.
1EE—J. L. Gurnesy, Dover, Foxcroft, Me.
1EF—A. F. Wheelden, Ellsworth, Me.
1EG—E. A. Gisburne, 563a Washington, Dorchester, Mass.
1EH—R. D. Brewer, 16 Beach St., Newtonville, Mass.
1EI—W. C. Erwin, 529 Shirley St., Winthrop, Mass.
1EJ—P. A. Mac Intyre, 6 Fair Oaks Ave., Providence, R. I.
1EK—R. D. Huston, 19 Nevens St., Portland, Me.
1EL—D. B. H. Smith, 140 Oak St., Lewiston, Me.
1EM—A. F. Moulton, 303 North St., W. Somerville, Mass.
1EN—E. L. Belknap, 91 Vine St., Hartford, Conn.
1EO—F. K. Ostrander, Jr., 254 Franklin, Springfield, Mass.
1EP—H. J. Hoffman, 8 Estrella St., Jamaica Plain, Mass.
1EQ—G. R. Caron, Danielson, Conn.
1ER—P. F. Hadlock, Stearn Rd., Wellesley, Mass.
1ES—R. P. Siskind, 1136 Beacon St., Brookline, Mass.
1ET—H. Alcaide, 42 Manchester Rd., Brookline, Mass.
1EU—A. G. Hutchins, Jr., 8½ Prospect, Attleboro, Mass.
1EV—P. K. Baldwin, 101 Fellsway, Medford, Mass.
1EW—W. J. Coughlin, 36 Washington St., Arlington, Mass.
1EX—R. A. Miller, 1314 Main St., Brockton, Mass.
1EY—F. V. O'Neill, 196 Hamilton St., Dorchester, Mass.
1EZ—A. B. Donovan, 49 Bigelow, Rockland, Mass.
1FA—H. E. Upton, 55 Chase St., South Portland, Me.
1FB—L. G. Cumming, Scarboro, Me.
1FC—G. Kaplan, 75 Pearl St., Chelsea, Mass.
1FD—J. L. Hubbard, Scotland Road, Norwich, Conn.
1FE—T. A. Cochrane, 21 Putnam Ave., Cambridge, Mass.
1FF—P. J. Furlong, 6 Glenside Ave., Jamaica Plain, Mass.
1FG—North High Radio Club, Worcester, Mass.
1FH—E. Rosen, 18 Kenneth St., Hartford, Conn.
1FI—C. C. Chisholm, 862 E. Squantum, Squantum, Mass.
1FJ—R. F. Potter, 73 Bowles St., Springfield, Mass.
1FK—E. B. Dallin, 103 Spring St., Arlington, Mass.
1FL—F. Bickford, 132 Burrill St., Swamscott, Mass.
1FM—Y. M. C. A., Portland, Me.
1FN—F. L. Adams, Taft's Flat, White River Jct., Vt.
1FO—J. A. Sjogran, 33 Maltby Place, New Haven, Conn.
1FP—B. L. Barrett, Superior Coil Co., Harwichport, Mass.
1FQ—G. F. Donnelly, Main St., S. Meriden, Conn.
1FB—L. I. Jenkins, 923 Purchase St., New Bedford, Mass.
1FS—H. F. Southwick, 103 Green St., Fall River, Mass.
1FT—J. W. Marren, 39 Touro St., Newport, R. I.
1FU—W. L. Slaney, 6 Gibson St., Dorchester, Mass.
1FV—R. W. Pratt, 176 Haskell St., Westbrook, Me.
1FW—F. M. Ham, 34 Prescott St., Bridgeport, Conn.
1FX—B. H. Olsen, 12 Meeting St., Pawtucket, R. I.
1FY—H. L. Johnstone, 469 Washington, West Haven, Conn.
1FZ—J. E. Thayer, Farmington, N. H.
1GA—G. A. Hinckley, 121 Grant St., Bangor, Me.
1GB—F. E. Reeves, 87 Quincy Ave., East Dedham, Mass.
1GC—E. C. Forsyth, 10 Porter St., Everett, Mass.
1GD—J. F. Walsh, 7 Longfellow St., Dorchester, Mass.
1GE—H. C. Gifford, 8 Lincoln St., Norh Easton, Mass.
1GF—F. W. Brown, Hamilton Park, Medford, Mass.
1GG—R. H. Sproul, S. Hamilton, Mass.
1GH—A. W. Curran, 255 Church St., Newton, Mass.
1GI—C. W. Erickson, 21 Spring St., Everett, Mass.
1GJ—C. A. Sanborn, 32 Mora St., Dorchester, Mass.
1GK—T. P. Coogan, 93 Cliff Ave., Winthrop, Mass.
1GL—C. R. Sawyer, Manchester, N. H.
1GM—L. V. Cleveland, 126 Park St., Beverly, Mass.
1GN—J. M. Campbell, 14 Kensington Rd. Arlington, Mass.
1GO—A. Barber, 175 Walnut Ave., Roxbury, Mass.
1GP—F. H. Chickering, 23 Oliver St., Malden, Mass.
1GQ—G. T. Coombs, Green St., Castine, Me.
1GR—N. L. Lamson, 137 Langdon Ave., Watertown, Mass.
1GS—G. J. Kohler, 16 Mosgrove Ave., Roslindale, Mass.
1GT—R. F. Fietz, 130 Washington Ave., Chelsea, Mass.
1GU—E. H. Macurdy, 28 Chester St., Watertown, Mass.
1GV—H. H. Tilley, 311 Woolworth Bldg., Providence, R. I.
1GW—H. K. Nock, 27 Lafayette St., Newburyport, Mass.
1GX—W. J. Hill, 591 E. 7th St., Boston, Mass.
1GY—L. A. Bates, 274 Main St., Worcester, Mass.
1GZ—Unassigned
1HA—L. C. Greene, 88 Somerset Ave., Winthrop, Mass.
1HB—G. E. Travis, 59 Kenmere Rd., Medford, Mass.
1HC—H. R. Cheetham, 74 Avon St., Sommerville, Mass.
1HD—R. N. Henderson, 17 Middle St., Marblehead, Mass.
1HE—W. A. Battison, 8 Herson St., Stoneham, Mass.
1HF—H. E. Davies, Jr., Box 218, Vineyard Haven, Mass.
1HG—G. H. Proulx, 211 Fayerweather, Cambridge, Mass.
1HH—C. J. Grin, 6 Webster Ave., Bridgeport, Conn.
1HI—C. F. Silver, 40 Lyman St., Lynn, Mass.
1HJ—M. Camillo, 940 Grand St., Bridgeport, Conn.
1HK—St. Anselm's College, Manchester, N. H.
1HL—H. R. Gurney, 130 Dublin St., Springfield, Mass.
1HM—L. W. Bishop, 160 Cottage St., Athol, Mass.
1HN—H. S. Johnson, 87 Oxford St., Hartford, Conn.
1HO—G. D. Mallory, 173 Livingston Pl., Bridgeport, Conn.
1HP—S. M. Humphrey, 12 Humphrey, Swampscott, Mass.
1HQ—G. W. Gillman, 36 Hancock St., Boston, Mass.
1HR—F. A. Hoeffner 22 Armstrong St., Boston, Mass.
1HS—Watertown Radio Club, Watertown, Mass.
1HT—D. H. Ryder, 27 Beacon Pl., Newton Up. Falls, Mass.
1HU—R. S. Davis, 176A Elm St., Everett, Mass.
1HV—W. J. Meekin, 408 E. Water St., Rockland, Mass.
1HW—B. W. Munroe, 38 Beacon St., Everett, Mass.
1HX—B. Phelps, 20 Rodney St., Hartford, Conn.
1HY—L. S. Bennett, 2 Lawrence St., Everett, Mass.
1HZ—L. W. MacLellan, Andover, Conn.
1IA—H. H. Soule, Jr., 371 Walnut St., Brookline, Mass.
1IB—E. Herrick, 94 Franklin St., Framingham, Mass.
1IC—S. T. Marie, 15 Mansfield St., Allston, Mass.
1ID—J. B. Pace, 685 Elm St., Waterbury, Conn.
1IE—W. E. Edwards, 32 Cummings Ave., Wollaston, Mass.
1IF—C. M. Boudette, 194 Elm St., Everett, Mass.
1IG—A. D. Hines, 22 Elm St., Everett, Mass.
1IH—C. J. Marshall, 14 King St., Dorchester, Mass.
1II—F. S. Huddy, 204 Bowen St., Providence, R. I.
1IJ—J. B. Sherman, 85 Holabird Ave., Winsted, Conn.
1IK—R. M. Chase, 4 Wentworth St., Plymouth, N. H.
1IL—B. A. Nystrom, 336 Elm St., W. Springfield, Mass.
1IM—T. P. Bruno, 405 Mass. Ave., Boston Mass.
1IN—G. W. Nichols, 3 Linwood St., Saugus, Mass.
1IO—W. K. Bowers, 10 Samoset St., Dorchester, Mass.
1IP—A. E. Powell, 40 Hilda St., Wollaston, Mass.
1IQ—G. F. Fogg, 52 Upham St., Melrose, Mass.
1IR—C. T. Crosby, 21 Cambridge Terrace, Allston, Mass.
1IS—H. L. Sawyer, 795 Hancock St., Wollaston, Mass.
1IT—B. H. Parker, Tilton, N. H.
1IU—M. B. L. Bradford, 60 Main St., Concord, Mass.
1IV—C. H. Campbell, 66 Vine St., Bridgeport, Conn.
1IW—Gloucester Radio Club, Davis Wharf, Gloucester, Mass.
1IX—H. B. Stone, 117 Summer St., Weymouth, Mass.
1IY—C. L. Stocker, 6 Harvard Ave., East Saugus, Mass.
1IZ—W. H. Godfrey, 78 Park St., West Roxbury, Mass.
1JA—A. B. Goodwin, 190 Warwick Rd., Melrose, Mass.
1JB—J. P. Lynch, 19 Sheffield Rd., Roslindale, Mass.
1JC—F. G. Sargent, Maine St., Westford, Mass.
1JD—F. A. Young, 523 W. Main St., W. Meriden, Conn.
1JE—H. A. Larson, 122 West St., Worcester Mass.
1JF—A. W. Manchester, 54 Gibbs Ave., Newport, R. I.
1JG—J. Haskell, 31 Whitney St., Clifondale, Mass.
1JH—C. A. Rhodes, 64 Prospect St., Bridgeport, Conn.
1JI—G. H. Colburn, 210 Brown St., Waltham, Mass.
1JJ—Kenneth A. Trites, 398 E. Foster St., Melrose, Mass.
1JK—H. S. Shaw, Jr., 78 Cypress St., Newton Center, Mass.
1JL—F. Gorczyca, 3 Columbia St., Adams, Mass.

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1JO—E. J. Wurtz, 141 Centre St., Roxbury, Mass.
1JP—H. S. Robinson, 136 Pleasant St., Attleboro, Mass.
1JQ—A. S. McLean, 585 Armory St., Springfield, Mass.
1JR—L. F. Sise, 31 Powder House Rd., Medford, Mass.
1JS—G. W. Fyler, 144 Greenwood St., New Haven, Conn.
1JT—R. M. Bray, 175 Main St., Norwalk, Conn.
1JU—E. C. Nash, 99 Moreland St., Worcester, Mass.
1JV—L. R. Peloquin, 4 Palm St., Worcester, Mass.
1JW—R. H. Cowan, 20 Lamb St., S. Hadley Falls, Mass.
1JX—A. M. MacNeil, 120 Jacques St., Somerville, Mass.
1JY—F. G. Quinlan, 32 Russell St., Charlestown, Mass.
1JZ—A. M. Burr, Lincoln St., Hingham, Mass.
1KA—G. W. Lang, 13 Windsor Rd., W. Somerville, Mass.
1KB—R. E. Chandler, Salem Depot, Northampton, Mass.
1KC—Frank Lyman, Jr., Fort Hill, Northampton, Mass.
1KD—W. B. Houghton, 56 W. Elm Ave., Wollaston, Mass.
1KE—Harry F. Clarke, 14 Charles St., Beverly, Mass.
1KF—F. St. Clair, 33 Cummings Ave., Wollaston, Mass.
1KG—Unassigned
1KH—V. E. Fuller, 109 North St., Medford Hillside, Mass.
1KI—L. A. Jacques, 33 Pond St., Winchester, Mass.
1KJ—C. McAuley, 64 Sachem St., Roxbury, Mass.
1KK—H. M. Baier, 18 Baker Rd., Everett, Mass.
1KL—M. M. Simmons, 175 Popular St., Roslindale, Mass.
1KM—H. O. Worthley, 44 Bryant St., Malden, Mass.
1KN—C. W. Crandell, Jr., 4 Vesper St., Worcester, Mass.
1KO—H. R. Greene, West Hanover, Mass.
1KP—W. T. Mills, Jr., 20 Pelham St., Boston, Mass.
1KQ—E. F. Hiacock, 10 Vane St., Atlantic, Mass.
1KR—G. E. White, 36 Cummings Ave., Wollaston, Mass.
1KS—G. L. Gates, 19 Mountain Ave., Malden, Mass.
1KT—P. A. Bailey, 46 Washington St., Middletown, Conn.
1KU—C. E. Hallett, 28 Norcross Terrace, Lynn, Mass.
1KV—W. S. Dunklee, Middletown, Conn.
1KW—E. W. Marrow, West Boylston, Mass.
1KX—R. B. Chase, Pequawket Trail, W. Baldwin, Me.
1KY—L. E. Fullerton, 13 Willard Ave., Whitman, Mass.
1KZ—C. R. Eldredge, 41 Lawrence St., Wakefield, Mass.
1LA—H. H. Rowe, 29 Reed St., Springfield, Vt.
1LB—C. H. Leave, 161 Allston St., Allston, Mass.
1LC—E. J. Bruinsma, 3 Gladstone St., Worcester, Mass.
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1LE—C. F. Emerson, 512 Westford St., Lowell, Mass.
1LF—W. A. Sowle, 58 Winthrop St., Winthrop, Mass.
1LG—W. R. Entwistle, 41 C. St., Lowell, Mass.
1LH—L. M. Hilles, 70 Myrtle St., Somerville, Mass.
1LI—V. K. Wilson, 6 First South St., Bar Harbor, Me.
1LJ—L. Jarret, 120 Ford St., Lowell, Mass.
1LK—W. G. Atherton, 68 Forest St., Lowell, Mass.
1LL—Lowell Radio Club, Lowell, Mass.
1LM—F. E. McMaster, Billerica St., Chelmsford, Mass.
1LN—G. Cox, 67 Gates St., Lowell, Mass.
1LO—J. D. Guillemette, 70 Magill St., Pawtucket, R. I.
1LP—E. S. Pratt, 120 Mount Vernon St., Lowell, Mass.
1LQ—E. E. McAviney, 169 Columbus, New Haven, Conn.
1LR—W. M. Conley, 536 Gorham St., Lowell, Mass.
1LS—R. Y. Scott, 36 Bellevue St., Lowell, Mass.
1LT—E. E. Taylor, 156 Winthrop Ave., Lowell, Mass.
1LU—W. F. S. Coppen, 11 Liberty St., Lowell, Mass.
1LV—E. Buckley, 1605 Gorham St., E. Chelmsford, Mass.
1LW—A. E. Mertrud, 156 Howard St., Lowell, Mass.
1LX—R. B. Reed, 243 Westford St., Lowell, Mass.
1LY—C. H. Peterson, Yarmouthville, Me.
1LZ—J. E. McMaster, Chelmsford Center, Mass.
1MA—J. W. E. Walsh, 94 Arnold St., Providence, R. I.
1MB—W. M. Bailey, 31 Tudor St., Lynn, Mass.
1MC—W. M. Baston, Walnut Hill, Me.
1MD—S. J. Connolly, 47 Draper St., Dorchester, Mass.
1ME—K. A. Gennett, 15 Parker St., Holyoke, Mass.
1MF—W. L. Wright, 114 Exchange St., Rockland, Mass.
1MG—E. T. Rossberg, 52 Vine St., New Britain, Conn.
1MH—C. V. Clark, 7 Riverview Ave., Danvers, Conn.
1MI—F. F. Sutherland, 36 Armstrong, W. Springfield, Mass.
1MJ—R. E. Burditt, 36 Green St., Greenwood, Mass.
1MK—G. A. Chute, 32 Bullard St., Dedham, Mass.
1ML—Valentine J. Morris, 288 Peck St., New Haven, Conn.
1MM—G. Langelier, 118 Franklin Ave., Wollaston, Mass.
1MN—G. W. Hulsman, 5 Sanford St., Melrose, Mass.
1MO—F. H. Schnell, 134 Oakland Terrace, Hartford, Conn.
1MP—E. L. Crandell, 1254 Commonwealth, Allston, Mass.
1MQ—M. A. J. Sannella, 235 Lexington, E. Boston, Mass.
1MR—W. S. Hamilton, Cliftondale, Mass.
1MS—C. A. Higgins, 77 Pond St., Waltham, Mass.
1MT—R. W. Finley, Derby, Conn.
1MU—S. C. Bonito, 23 Granville St., Roslindale, Mass.
1MV—L. Manuel, 6 Nicol Terrace, Newport, R. I.
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1MX—R. L. Libby, 318 Malden St., Medford, Mass.
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1MZ—R. H. Shaw, 7 Kingsley Ave., Rutland, Vt.
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1NB—W. F. Jepson, Melrose Highlands, Mass.
1NC—A. J. Franklin, 12 Packard Lane, Quincy, Mass.
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1NE—J. F. McMahon, 43 Putnam Ave., S. Norwalk, Conn.
1NF—A. E. Ericson, 6 Edwards St., Beverly, Mass.
1NG—R. P. Caldwell, 18 Morton St., Providence, R. I.
1NH—H. M. Claflin, 19½ Western Ave., Waterville, Me.
1NI—M. C. Potter, 83 Pleasant St., Holyoke, Mass.
1NJ—C. T. Wilson, 23 Ocean View Rd., Swampscott, Mass.
1NK—F. L. Hunkins, 17 Center St., Laconia, N. H.
1NL—S. W. Lynch, 26 Abbott St., Beverly, Mass.
1NM—G. O. Elwall, 30 Fairmont Ave., Waltham, Mass.
1NN—W. J. Pohl, 743 E. 5th St., South Boston, Mass.
1NO—C. F. Wright, Bayswater, Plymouth, Mass.
1NP—W. B. Gould, Readville, Mass.
1NQ—D. R. Taber, 7 Yale St., Holyoke, Mass.
1NR—R. R. Davis, Suite 31, 524 Washington, Lynn, Mass.
1NS—J. F. Hardy, Island St., Essex, Mass.
1NT—N. C. Theobald, 250 County St., Attleboro, Mass.
1NU—E. C. Remick, Attery, Mass.
1NV—W. H. Barry, 66 Shore Drive, Winthrop, Mass.
1NW—J. N. Whitley, 135 Antrim St., Cambridge, Mass.
1NX—J. J. Nolan, 93 E. Brookline St., Boston, Mass.
1NY—J. H. McDermott, 3 Henry St., Belmont, Mass.
1NZ—V. E. Rosen, 130 Court Rd., Winthrop, Mass.
1OA—S. Kruse, 18 Rodney St., Hartford, Conn.
1OB—R. E. Stevens, 54 Vernon St., Brookline, Mass.
1OC—S. J. Prusark, 43 Ringgold St., Springfield, Mass.
1OD—S. B. Waring, Tiverton, R. I.
1OE—H. W. Bean, Penacook, N. H.
1OF—M. J. Grainger, 248 Arborway St., Boston, Mass.
1OG—B. H. Pierce, 8 Dyer Ave., Everett, Mass.
1OH—C. W. Gamage, 94 Mall St., Lynn, Mass.
1OI—J. J. Tomfohrde, 19 Fenwick St., Somerville, Mass.
1OJ—R. W. Farnum, 12 Meeting St., Pawtucket, R. I.
1OK—C. S. Spear, East Greenwich, R. I.
1OL—M. W. Haskell, 100 North St., Portland, Me.
1OM—E. A. Baker, 332 Lincoln Ave., Cliftondale, Mass.
1ON—C. A. Hardwick, 691 Main St., Springfield, Mass.
1OO—E. H. Betts, 24 Pleasant St., Stamford, Conn.
1OQ—W. C. Derry, 157 Beacon Hill Ave., Lynn, Mass.
1OR—Bowdoin College, Brunswick, Me.
1OS—Roger K. Ellis, 36 Warwick St., Wollaston, Mass.
1OT—W. R. Morton, 12 N. Park St., Bangor, Me.
1OU—H. Lassie, 31 Gardners Lane, Ansonia, Conn.
1OV—J. F. Langmaid, 97 Phillips, Beach Bluffs, Mass.
1OW—N. B. Stackpole, 139 Pratt St., Providence, R. I.
1OX—H. G. Alden, 60 Field St., Brockton, Mass.
1OY—J. W. Davidson, 398 Ash St., Brockton, Mass.
1OZ—E. B. Lyford, 23 Park St., Bridgeport, Conn.
1PA—G. E. Nothnagle, 176 Waldemere, Bridgeport, Conn.
1PB—T. L. O'Connell, 40 Dartmouth Ave., Providence, R. I.
1PC—E. L. White, Jr., 50 Main St., Randolph, Mass.
1PD—R. Morse, 182 Bay State Rd., Boston, Mass.
1PE—T. Stanley Marshall, 15 Braman St., Danvers, Mass.
1PF—G. F. Proctor, 25 Chester St., Watertown, Mass.
1PG—H. F. Rand, 92 S. Common St., Lynn, Mass.
1PH—D. Erieson, 10 Wiggin St., Concord, N. H.
1PI—T. G. Waldie, 21 Woodbury St., Beverly, Mass.
1PJ—A. E. Coolen, 299 Broadway, Everett, Mass.
1PK—H. H. Wish, 142 Sherman St., Portland, Me.
1PL—W. Potter, 19 Braemore Rd., Boston, Mass.
1PM—N. B. Judkins, 1474 Pawtucket Ave., Rumford, R. I.
1PN—Harber Electric Mfg. Co., N. Attleboro, Mass.
1PO—M. Rosenfield, 12 Seckle St., Cambridge, Mass.
1PP—F. D. Merrill, Jr., 50 Harrison, Swampscott, Mass.
1PQ—R. W. Monarch, 31 Dell Ave., Hyde Park, Mass.
1PR—Boston College, Newton, Mass.
1PS—Meriden Radio Club, 35 Colony St., Meriden, Conn.
1PT—E. C. Thompson, 35 Ivy St., Boston, Mass.
1PU—Sylvester Ahola, Lanesville, Mass.
1PV—A. W. Slaving, 777 Howard Ave., Bridgeport, Conn.
1PW—J. M. Farnum, 26 Merrimac St., Nashua, N. H.
1PX—E. C. Brown, 11 Harrison St., Stoneham, Mass.
1PY—B. Boyd, 34 Wellington St., Longmeadow, Mass.
1PZ—Chas. T. Martin, 1 Letterfine Ter., Dorchester, Mass.
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1QD—H. B. Foss, 25 Bridge St., Quincy, Mass.
1QE—E. J. Van Allen, 26 Park Row, Stamford, Conn.
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1QK—C. F. Finney, 173 Bronx Ave., Bridgeport, Conn.
1QL—J. E. LeBlanc, 14 Ashley St., Jamaica Plain, Mass.
1QM—C. C. Curley, 136 Wilson Rd., Nahant, Mass.
1QN—R. S. Jackson, 391 Greenwich Av., New Haven, Conn.
1QO—B. V. Heath, 121 Rowley St., Winsted, Conn.
1QP—J. L. Reinartz, South Manchester, Conn.
1QQ—C. F. Maylott, 186 Derby Ave., Derby, Conn.
1QR—A. J. King, 262 Northrup St., Edgewood, R. I.
1QS—B. M. Susman, 170 Unquowa Hill, Bridgeport, Conn.
1QT—J. Morse, 17 Hawes St., Brookline, Mass.
1QU—A. E. Kunun, 279 N. Front St., New Haven, Conn.
1QV—Unassigned
1QW—Brookline High Sch., Greenough St., Brookline, Mass.
1QX—R. T. Albee, Pleasant St., North Troy, Vt.
1QY—J. L. Jenks, Jr., 209 Cottage St., Pawtucket, R. I.
1QZ—F. B. Allen, 154 Ash St., New Bedford, Mass.
1RA—J. Beedle, 61 Hancock St., Somerville, Mass.
1RB—F. W. Dane, Maine St., Hamilton, Mass.
1RC—S. F. Crowhurst, 71 Winslow Ave., Norwood, Mass.
1RD—J. R. Decker, 9 Strathmore Rd., Brookline, Mass.
1RE—J. F. O'Hara, 60 Burrill Ave., Lynn, Mass.
1RF—W. H. Connington, 27 Linwood Ave., Melrose, Mass.
1RG—Unassigned
1RH—R. W. Hart, 159 Essex Ave., Gloucester, Mass.
1RI—Reserved for Radio Insp., 1st Dist.
1RJ—H. W. Leighton, Maple St., Waltham, Mass.
1RK—M. B. Hill, 57 Liberty St., East Braintree, Mass.
1RL—H. A. White, Auburndale Rad. Cl., Auburndale, Mass.
1RM—R. E. Mayo, 75 Preston St., Windsor, Conn.
1RN—H. J. Dray, 21 Pond St., Hyde Park, Mass.
1RO—E. E. Rotch, 157 Bay State Rd., Boston, Mass.
1RP—H. E. Polk, 88 Maple St., Waltham, Mass.
1RQ—E. W. Clark, 51 Ford St., Lynn, Mass.
1RR—E. G. Cavallini, 305 Court St., Plymouth, Mass.
1RS—W. G. Klein, 20 Fairfield St., Springfield, Mass.
1RT—J. R. Morse, 234 Puritan Rd., Swampscott, Mass.
1RU—R. S. Miner, 68 Quaker Lane, Hartford, Conn.
1RV—C. G. Ricker, South Hamilton, Mass.
1RW—E. B. Dallin, 10 Lawn Ave., Quincy, Mass.
1RX—F. Pratt, 120 Main St., Hingham, Mass.
1RY—H. S. Holcomb, 292 Clinton Rd., Brookline, Mass.
1RZ—J. W. Hubbard, Ridgefield, Conn.
1SA—C. H. Stagg, 1739 Dixwell Ave., New Haven, Conn.
1SB—E. J. Hanley, 29 Park Ave., Whitman, Mass.
1SC—T. M. Banks, Jr., Second Cliff, Scituate, Mass.
1SD—H. Hanson, East Braintree, Mass.
1SE—S. G. Holbrook, 58 Pearl St., Attleboro, Mass.
1SF—S. Frizzell, 7 Durham St., Boston, Mass.
1SG—D. B. Woodard, 35 Pond St., Greenfield, Mass.
1SH—L. T. Hutchins, 16 Mt. Vernon St., Somerville, Mass.
1SI—J. F. Ege, 31 Garfield Ave., Revere, Mass.
1SJ—Unassigned
1SK—G. A. F. Werner, Comm. St. Fire Sta., Lynn, Mass.
1SL—A. A. Stockellburg, 54 Hano St., Allston, Mass.
1SM—E. T. Sloan, 154 Oxford St., Hartford, Conn.
1SN—W. E. A. Dodge, 23 Sargent Ave., Beverly, Mass.
1SO—R. L. Dinsmore, 37 Shawmut St., S. Portland, Me.
1SP—S. M. Zartarian, 101st Inf. Armory, Boston, Mass.
1SQ—R. Sorensen, 340 Beechwood Ave., Bridgeport, Conn.
1SR—O. F. Davis, 1 Hillside Ave., Somerville, Mass.
1SS—R. F. Jefferson, 169 Washington St., Islington, Mass.
1ST—G. Lemieux, 50 Green St., Berlin, N. H.
1SU—A. R. Bentley, 204 James St., New Bedford, Mass.
1SV—P. S. Bauer, 70 Cherry St., Lynn, Mass.
1SW—Andover Wireless Club, Andover, Mass.
1SX—P. S. Bauer, Amesbury, Mass.
1SY—R. A. Pettey, North Dartmouth, Mass.
1SZ—J. A. Morris, 56 Cedar St., New Britain, Conn.
1TA—R. Gallagher, 19 Chautauqua Ave., Nashua, N. H.
1TB—C. W. Thibodeau, 7 Ridgeway St., Lynn, Mass.
1TC—J. W. Kelly, North Yarmouth, Me.
1TD—C. K. Arey, 217 Preble St., S. Portland, Me.
1TE—R. P. Bessette, Sulford St., S. Bellingham, Mass.
1TF—W. R. Gilbert, 73 Wellington St., Worcester, Mass.
1TG—J. W. Kelly, North Yarmouth, Me.
1TH—Unassigned
1TI—H. Beach, 10 Woodside Park, Winthrop, Mass.
1TJ—L. B. Mehan, 4 Wesley St., Newport, R. I.
1TK—M. C. Orswell, Governors Ave., Medford, Mass.
1TL—R. E. Wilmott, 50 East Ave., W. Haven, Conn.
1TM—A. B. Gibbs, Edgartown Rd., Vineyard Haven, Mass.
1TN—J. A. Gillen, 233 Andover St., Lawrence, Mass.
1TO—W. J. McDermott, 31 Pleasant St., Bristol, Conn.
1TP—W. L. Isherwood, 383 Burgess St., Berlin, N. H.
1TQ—P. F. Ferris, 316 Lynnfield St., Lynn, Mass.
1OP—T. H. Rousefell, 71½ Franklin St., Quincy, Mass.
1TR—Unassigned
1TS—D. H. Mix, 40 Starns St., Bristol, Conn.
1TT—H. A. Hutchinson, 11 Lambert Ave., Meriden, Conn.
1TU—L. Jesse, Jr., 66 Bouman St., Malden, Mass.
1TV—M. H. Fay, 36 Park Ave., Winchester, Mass.
1TW—Unassigned
1TX—J. I. McIntyre, 10 Violet St., Lynn, Mass.
1TY—D. E. Moss, 36 Sachem St., Lynn, Mass.
1TZ—H. J. Hodgdon, 31 Brigham St., New Bedford, Mass.
1UA—H. L. Staples, 35 Parker Pl., New Haven, Conn.
1UB—O. E. Cote, 184 Harrison St., Pawtucket, R. I.
1UC—M. L. Meade, Rockland, Mass.
1UD—S. Frizzell, Washington St., Duxbury, Mass.
1UE—A. J. Bosse, 239 Blake St., Lewiston, Me.
1UF—W. L. Wright, 114 Exchange St., Rockland, Mass.
1UG—L. F. Ackerman, 408 Mill St., New Bedford, Mass.
1UH—F. Gordon, Belgrade, Me.
1UI—E. J. Curtis, 596 E. Second St., S. Boston, Mass.
1UJ—A. C. Lawson, 10 Dikeman St., Waterbury, Conn.
1UK—J. H. Washburn, 57 Madison, N. Cambridge, Mass.
1UL—W. J. Halligan, 14 Auburn Ave., Somerville, Mass.
1UM—J. A. Tessmer, 8 Main St., Shrewsbury, Mass.
1UN—J. B. Dodge, 26 School St., Manchester, Mass.
1UO—Wesleyan University Amateur Radio Club, Foss House, Middletown, Conn.
1UP—B. J. Atwell, 25 Peltoma St., Pittsfield, Mass.
1UQ—R. S. Bruneau, 541 Main St., Somerville, Mass.
1UR—H. J. Ackerman, 249 Palmer St., New Bedford, Mass.
1US—Unassigned
1UT—N. B. Moody, 6 Noyes Pl., Augusta, Me.
1UU—G. D. Waite, 18 Ware St., Lewiston, Me.
1UV—R. W. E. Cameron 145 Galen St., Watertown, Mass.
1UW—T. P. Elder, 68 Williams St., New London, Conn.
1UX—East Bridgewater High School, E. Bridgewater, Mass.
1UY—R. L. Maxwell, Canton, Mass.
1UZ—J. Hardy, Beachmont, Mass.
1VA—E. Nuttall, 20 Arnold Pl., Methuen, Mass.
1VB—F. Foley, 559 Washington St., Dedham, Mass.
1VC—R. Baer, 70 Ontario St., Pittsfield, Mass.
1VD—C. E. Hale, Jr., 9 Beech St., Gardiner, Me.
1VE—R. L. Peterson, 11 Lunt St., Norfolk Downs, Mass.
1VF—G. W. Johnson, 75 Ontario St., Providence, R. I.
1VG—E. J. Cormier, 26 Locke St., N. Cambridge, Mass.
1VH—R. H. Fenner, 20 Hudson St., Worcester, Mass.
1VI—L. W. Sayward, 87 Hamden Circle, Wollaston, Mass.
1VJ—E. M. Goddard, 17 Constance St., Malden, Mass.
1VK—N. R. Simmons, 45 Oakland St., Bristol, Conn.
1VL—A. J. Derrah, 142 River St., Mattapan, Mass.
1VM—W. Moore, 6 Pond St., Winchester, Mass.
1VN—L. T. Potts, 53 Lincoln St., Holyoke, Mass.
1VO—R. J. Stacker, 48 Mountain Ave., Winsted, Conn.
1VP—Malden High School, Malden, Mass.
1VQ—L. Sneiderman, 184 Putnam St., New Haven, Conn.
1VR—T. R. Pennypacker, Box 516, Chatham, Mass.
1VS—J. H. Halapian, 4 Irving Place., Worcester, Mass.
1VT—W. Robert Dresser, Calais, Me.
1VU—R. B. Grout, Monson, Mass.
1VV—J. G. Barrett, Jr., 674 E. 2nd St., S. Boston, Mass.
1VW—N. T. Carr, 333 Moody St., Waltham, Mass.
1VX—C. A. Tribbett, 24 Foote St., New Haven, Conn.
1VY—A. A. Morse, 563 Washington St., Bath, Me.
1VZ—J. E. Wilcox, 658 N. Colony St., Meriden, Conn.
1WA—H. M. Williams, 434 Salem St., Rockland, Mass.
1WB—E. I. Waldman, 73 Whitmarsh St., Providence, R. I.
1WC—M. J. Ryan, 69 Notre Dame Ave., Manchester, Mass.
1WD—Unassigned
1WE—R. L. Northrop, Weatogue, Conn.
1WF—F. H. Drake, 303 Mt. Auburn St., Watertown, Mass.
1WG—E. W. Burke, 76 Spruce St., Watertown, Mass.
1WH—P. L. Warren, 91 Russell St., Waltham, Mass.
1WI—K. F. Hanson, 126 Brown St., S. Portland, Me.
1WJ—W. J. Flanders, 19 Royal St., Allston Mass.
1WK—P. Boone, 19 Grove St., Winchester, Mass.
1WL—H. L. Morin, Berry Ave., West Yarmouth, Mass.
1WM—F. G. Fruch, 32 Dale St., E. Dedham, Mass.
1WN—C. E. Duffy, 55 Bloomfield St., Dorchester, Mass.
1WO—J. W. Whitmore, 196 Calier St., Providence, R. I.
1WP—D. F. Clarke, 17 Park Ave., Northampton, Mass.
1WQ—R. W. Estabrooks, 33 Parkland Ave., Lynn, Mass.
1WR—G. E. M. Bertram, 34 Hadley Ave., Watertown Mass.
1WS—H. A. Wells, 15 Waverly St., E. Somerville, Mass.
1WT—L. M. Higgins, 119 Myrtle St., Manchester, N. H.
1WU—M. H. Leach, 24 Bodwell St., Dorchester, Mass.
1WV—F. W. Lord, Pond St. Sharon, Mass.
1WW—F. Waite, 9 High Rock Way, Allston, Mass.
1WX—C. R. Sauer, Old Field Rd., Fairfield, Conn.
1WY—W. Seaver, 16 Homestead St., Roxbury, Mass.
1WZ—H. M. Wallingford, 901 Br'dw'y, W. Somerville, Mass.

Special Radio Stations of the First District

1XA—J. C. Ramsey, 369 Tappen St., Brookline, Mass.
1XAA—P. E. Fansler, Noroton Heights, Conn.
1XAB—Clapp-Eastham Co., 139 Main St., Cambridge, Mass.
1XAD—Standard Radio & Elec. Co., Pawtucket, R. I.
1XAE—Westinghouse Elec. & Mfg. Co., Springfield, Mass.
1XAF—Edison Elec. Ill. Co., 39 Boylston St., Boston, Mass.
1XAG—Edison Elec. Ill. Co., 39 Boylston St., Boston, Mass.
1XAH—University of Maine, Orono, Me.
1XAQ—S. Kruse & B. Phelps, 20 Rodney, Hartford, Conn.
1XB—Minton Cronkhite, North St., Greenwich, Conn.
1XC—Bangor Ry. & Elec. Co., Grant St., Ellsworth, Me.
1XD—Western Elec. Co., Inc., Green Harbor, Mass.
1XE—American Radio & Research Corp., Medford, Mass.
1XG—Bangor Ry. & Elec. Co., 84 Harlow St., Bangor, Me.
1XH—Yale University, New Haven, Conn.
1XI—J. H. Hammond, Jr., Gloucester, Mass.
1XJ—Harvard University, Cambridge, Mass.
1XK—Boston College, Newton, Mass.
1XL—General Electric Co., West Lynn, Mass.
1XM—Mass. Inst. of Technology, Cambridge, Mass.
1XN—Wesleyan University, Middletown, Conn.
1XO—General Radio Co., 11 Windsor St., Cambridge, Mass.
1XP—L. W. Bishop, 160 Cottage St., Athol, Mass.
1XQ—L. C. Greene, 88 Somerset Ave., Winthrop, Mass.
1XS—O. C. White, 15 Haviland St., Worcester, Mass.
1XT—The Bristol Co., Waterbury, Conn.
1XV—C. D. Tuska Co., Inc., Hartford, Conn.
1XX—Brown University, Providence, R. I.
1XZ—Clark University, Worcester, Mass.
1YB—Dartmouth College, Hanover, N. H.
1YC—Eastern Radio Institute, Boston, Mass.
1YD—Norwich University, Northfield, Vt.
1YK—Worcester Polytechnic Institute, Worcester, Mass.
1YS—Mass. Radio & Teleg. School, Boston, Mass.
1ZR—I. Vermilya, 24 Allen St., Marion, Mass.

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Amateur Radio Stations of the Second District

Headquarters, Customhouse, New York, N. Y. The second district comprises the counties of New York, Staten Island, Long Island, and those on the Hudson River including Schenectady, Albany and Rensselar of the State of New York. Also the counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson and Ocean of the State of New Jersey.

2AA—V. J. Fritch, 385—4th Ave., Long Island City, N. Y.
2AAA—G. Ellis, 2341 Andrews, Bronx, New York City
2AAB—H. A. Whitehead, 316 Van Houten, Passaic, N. J.
2AAC—A. Bell, 559 Van Courtlandt Pk., Yonkers, N. Y.
2AAD—F. C. Sipp, 107 Westmoreland, White Pl., N. Y.
2AAE—S. Antwiler, 1091 Gates Ave., Brooklyn, N. Y.
2AAF—T. A. Jobs, 90 Mountain Ave., Summit, N. J.
2AAG—J. Kneute, Green Grove Ave., Keyport, N. J.
2AAH—M. Gottdenker, 338 E. 10th St., N. Y. City
2AAI—H. Bertman, 3886—3d Ave., N. Y. City
2AAJ—H. Drexler, 166 Avenue C, N. Y. City
2AAK—B. Salzberg, 308 E. 101st St., N. Y. City
2AAL—M. M. Hellman, Ft. H. G. Wright, Fishers Isl.,N.Y.
2AAM—S. Iraci, 25 Wilsey Square, Ridgewood, N. J.
2AAN—E. Cashman, 325 Main St., Lakewood, N. J.
2AAO—E. Drews, 102 Ogden Ave., Jersey City, N. J.
2AAP—E. S. Worden, Jr., C'p C. S. Read, Mahopac, N. Y.
2AAQ—R. E. Johnson, 76 Robins Pl., Metuchen, N. J.
2AAR—W. Noonburg, Oakland Rd., Wayne, N. J.
2AAS—P. M. John, 206 W. 106th St., N. Y. City
2AAT—J. J. Israel, 1536 E. 9th St., Brooklyn, N. Y.
2AAU—T. W. MacDowell, 609 Freman St., Lyndhurst, N.J.
2AAV—H. A. Tunstall, 148 Greenwich St., Hempstead, N.Y.
2AAW—R. T. King, 158 Linden Ave., Brooklyn, N. Y.
2AAX—C. A. Porter, Pine Pl., New Rochelle, N. Y.
2AAY—E. E. Eberle, 895 Park Pl., Brooklyn, N. Y.
2AAZ—C. H. Johnson, 954 Albany St., Schenectady, N. Y.
2AB—M. W. Sterns, 209 Alsop St., Jamaica, N. Y.
2ABA—DeW. L. Parker, 178 State St., Brooklyn, N. Y.
2ABB—A. Roth, 361 E. 150th St., N. Y. City
2ABC—H. Wicht, 239 Bay Ridge Ave., Brooklyn, N. Y.
2ABD—C. Clark, 204 Lakeview Ave., Rockville Ctr., N. Y.
2ABE—B. Hauk, 2287 University Ave., N. Y. City
2ABF—W. H. T. Olsen, 298—17th St., Brooklyn, N. Y.
2ABG—C. H. Stout, 320 Central Park West, N. Y. City
2ABH—C. G. G. Murphy, 582 E. 191st St., N. Y. City
2ABI—H. Hefty, 2477 Grand Ave., Bronx, N. Y.
2ABJ—N. Sauberman, 789 E. 163d St., N. Y. City
2ABK—R. Hertzberg, 894 Union Ave., N. Y. City
2ABL—W. Vollkommer, 48 Windsor Pl., Brooklyn, N. Y.
2ABM—F. A. Parsons, 50 Clove Rd., New Rochelle, N. Y.
2ABN—D. Wexler, 1581 St. Marks Ave., Brooklyn, N. Y.
2ABO—T. R. Winkler, 8 Alice Ct., Brooklyn, N. Y.
2ABP—J. S. Wagg, 60 Broadway, Ocean Grove, N. J.
2ABQ—J. B. Murphy, 121 Colonie St., Albany, N. Y.
2ABR—G. M. Nixon, 208 Barbey St., Brooklyn, N. Y.
2ABS—H. F. Meyer, 101—32d St., Woodcliff, N. J.
2ABT—G. C. C. Freisinger, 219 W. 81st St., N. Y. City
2ABU—G. H. Barrows, 67 Sunderland, Rutherford, N. J.
2ABV—C. H. Bowie, 102 Madison St., Brooklyn, N. Y.
2ABW—A. Rosenberg, 101—4th St., Lakewood, N. J.
2ABX—G. T. Weber, 320 W. 117th St., N. Y. City
2ABY—F. Ribera, 706 E. 13th St., N. Y. City
2ABZ—E. W. Heim, 113—3d Ave., Newark, N. J.
2AC—F. W. Winkler, Jr., 122 Cooper St., Brooklyn, N. Y.
2ACA—H. I. Van Doren, 120 Hyslip Ave., Westfield, N. J.
2ACB—H. A. Sands, 1559 Lexington Ave., N. Y. City
2ACC—G. A. Hillman, Porter Ave., Bergenfield, N. J.
2ACD—J. Irving, 247 Prospect St., Westfield, N. J.
2ACE—J. T. De Milt, Gillette Ave., Sayville, N. Y.
2ACF—M. Coan, 473 W. 158th St., N. Y. City
2ACG—W. Kargoll, 168 Newton Ave., Astoria, N. Y.
2ACH—D. S. Vervoort, 618 Carlton Rd., Westfield, N. J.
2ACI—F. J. Nemetz, 289 Ainslie St., Brooklyn, N. Y.
2ACJ—H. Ross, 3 Orchard Terrace, Bogota, N. J.
2ACK—DeWitt Clinton Radio Club, 59th St., & 10th Ave., N. Y. City
2ACL—W. B. Nagle, 68 Mt. Tabor Way, Ocean Grove, N. J.
2ACM—H. Heitmiller, 64 Van Wagenen Ave., Jersey City
2ACN—E. R. Kimmel, 10 Ruby Ave., Morsemere, N. J.
2ACO—A. Holub, 436 Westfield Ave., E. Rosell Pk., N. J.
2ACP—J. Zweighaft, 749 West End Ave., N. Y. City
2ACQ—R. Muns, Bellair Rd., Ridgewood, N. J.
2ACR—R. Blanqui, 520 W. 46th St., N. Y. City
2ACS—R. Graham, Jr., 331 Germania, Schenectady, N. Y.
2ACT—H. T. Cervantes, 2040 Webster Ave., N. Y. City
2ACU—J. C. Newton, Montauk Ave., Bayside, N. Y.
2ACV—H. C. Barnhart, 2503 Sedgwick Ave., N. Y. City
2ACW—R. L. Brooks, 207 Parkwood Blvd., Schenectady
2ACX—C. J. F. Intemann, 51—6th Ave., N. Y. City
2ACY—P. Wandelt, 28 Willow St., Bayonne, N. J.
2ACZ—G. F. Dunkelman, 49 Margaret St., Great Kills, S. I., N. Y.
2AD—T. N. Whildin, Oakdale, Long Island, N. Y.
2ADA—I. E. Ettinger, 273 W. 90th St., N. Y. City
2ADB—H. A. Greenidge, 56 W. 139th St., N. Y. City
2ADC—J. Rogers, 339—82d St., Brooklyn, N. Y.
2ADD—E. B. Wilson, Jr., 209 Van Cortlandt Pk Ave., Yonkers, N. Y.
2ADE—J. A. Morrow, 547 W. 50th St., N. Y. City
2ADF—G. B. Myers, Pleasant Ave., Athenia, N. J.
2ADG—M. Goetz, 1182 W. Farms Rd., N. Y. City
2ADH—E. Peacox, 52 Radford St., Yonkers, N. Y.
2ADI—A. D. Jackson, Powell Rd., Allendale, N. J.
2ADJ—W. Csak, 203 Raymond Pl., W. Brighton, N. Y.
2ADK—J. Phelan, 17 Tulip St., Corona, N. Y.
2ADL—C. R. Roberts, 4 James St., Schenectady, N. Y.
2ADM—E. H. Hobbs, 757 Chrisler Ave., Schenectady, N. Y.
2ADN—P. F. Dittmann, 35 Broad St., Schenectady, N. Y.
2ADO—C. H. McIntyre, 2815 Cortelyou Rd., Brooklyn, N. Y.
2ADP—E. Moore, 522 Lenox Rd., Schenectady, N. Y.
2ADQ—I. Sears, 244 Dean St., Brooklyn, N. Y.
2ADR—E. P. Ross, 533 West End Ave., N. Y. City
2ADS—G. A. LaCas, 3d, 994 Flatbush Ave., Brooklyn
2ADT—W. Swenson, 15 Oxford St., Montclair, N. J.
2ADU—W. Constantinides, 137 Woodland, Rutherford, N. J.
2ADV—G. B. Latchford, 283—10th Ave., N. Y. City
2ADW—R. Tyler, Setauket, N. Y.
2ADX—C. E. Fordham, 366 Livingston St., Brooklyn, N. Y.
2ADY—F. W. Randall, 1004 Emory St., Asbury Pk., N. J.
2ADZ—J. E. Duryea, 10 Erie Ave., Rutherford, N. J.
2AE—W. H. Happi, 365 Quincy St., Brooklyn, N. Y.
2AEA—W. Morris, 2605—8th Ave., N. Y. City
2AEB—I. Grabo, 129 Midland Ave., Glen Ridge, N. J.
2AEC—R. C. Jones, 149 Willow St., Brooklyn, N. Y.
2AED—A. E. Kerwein, Jr., Union Col. Campus, Sche'tady
2AEE—J. J. Chesleigh, 639 Flatbush Ave., Brooklyn, N. Y.
2AEF—W. Scherer, 163 Linden Ave., Glen Ridge N. J.
2AEG—W. T. Field, 976 Broad St., Newark, N. J.
2AEH—V. Genzardi, 2359 Maclay Ave., N. Y. City
2AEK—W. F. Bingham, 176 Manasquan Rch., Manasquan, N. J.
2AEI—J. A. Sawyer, 15 S. Lyons Ave., Menands, N. Y.
2AEM—H. A. Mousley, 36 Oakland Tr., Newark N. J.
2AEN—C. A. Forster, 33 Newark Ave., Bloomfield N. J.
2AEO—W. F. Bingham, 2345 Broadway, N. Y. City
2AEP—Bedford Br., Y.M.C.A., 420 Gates Ave. Brooklyn
2AEQ—A. Fitch, 2694 Valentine Ave., N. Y. City
2AER—C. E. Hobson, 507 Grove St., Westfield, N. J.
2AES—A. E. Jackson, Stout Ave., Scotch Plains, N. J.
2AET—D. Wappler, 204 Sylvan St., Rutherford, N. J.
2AEU—Ridgewood H. S. Radio Club, Ridgewood, N. J.
2AEV—L. Voepel, 1140 Clay Ave., N. Y. City
2AEW—H. C. Kessler, 1 St. Johns Pl., Ridgewood, N. Y.
2AEX—R. E. Leppert, Park Ave., Harrison, N. Y.
2AEY—W. W. Brinckerhoff, 220 Fulton, Mt. Vernon, N. Y.
2AEZ—S. Fishman, 1030 Broad St., Newark, N. J.
2AF—V. M. Wintermute, New Market Rd., New Market, N. J.
2AFA—J. B. Rayley, 513 Main St., East Orange, N. J.
2AFB—H. C. Stenger, 1862 Grove St., Brooklyn, N. Y.
2AFC—M. Selcow, 21 W. 48th St., Bayonne, N. J.
2AFD—N. K. Edgars, Hillside & Engle, Tenafly, N. J.
2AFE—F. H. Citriolo, R.F.D. No. 1, Allendale, N. Y.
2AFF—M. Hasler, 153 Hobart St., Ridgefield Pk., N. J.
2AFG—F. L. Bronnes, 12 N. D St., Irvington, N. Y.
2AFH—H. W. Boyer, 494 W. 158th St., N. Y. City
2AFI—R. H. Bisbee, 89 Beechwood Ave., Bogota, N. J.
2AFJ—M. M. Simonson, 150 Hempstead, Lynbrook, N. Y.
2AFK—D. C. McGiehan, 206—3d St., Troy, N. Y.
2AFL—C. H. Crickenberger, 1109 Central, Westfield, N. J.
2AFM—C. L. Rossnagel, 169 Park Pl., Irvington, N. J.
2AFN—H. Oppermann, 42 Grand Ave., Baldwin, N. Y.
2AFO—J. L. Reilly, 243 W. 66th St., N. Y. City
2AFP—G. O. Milne, 142 Totowa Rd., Paterson, N. J.
2AFQ—R. H. Gore, 16½ Cleveland St., Caldwell, N. J.
2AFR—L. Richards, 90 Mountain Ave., Summit, N. J.
2AFS—P. V. Zeyn, 484 Palisade Ave., Weehawken, N. J.
2AFT—A. Schwartz, 1321 Franklin Ave., N. Y. City
2AFU—A. M. Morris, Jr., 177 Main St., Keansburg, N. J.
2AFV—H. B. Pearson, 997 Sterling Pl., Brooklyn, N. Y.
2AFW—T. P. Gilman, 329 Tecumseh, Mt. Vernon, N. Y.
2AFX—J. A. Meade, 975 Putnam Ave., Brooklyn, N. Y.
2AFY—W. W. Whitford, 1465 Castleton, Pt Richm'd, N. Y.
2AFZ—B. P. Fonda, Howe St., Bay Head, N. J.
2AG—C. R. Runyon, Jr., 544 N. Broadway, Yonkers, N. Y.
2AGA—G. N. Scott, 51 Leicester St., Port Chester, N. Y.
2AGB—J. H. Dodman, 24 Oak Ridge Ave., Summit, N. J.
2AGC—P. R. Neusch, 551 Delafield, W. N. Br'hton, N. Y.
2AGD—A. A. Faske, 1515 Eastern Parkway, Brooklyn
2AGE—C. A. Throckmorton, 32 Ridgewood, Ridgewood, N. J.
2AGF—E. E. Hiler, Sherwood St., Ridgewood, N. J.
2AGG—J. E. Brown, East Marion, N. Y.
2AGH—H. E. Bendix, 16 Park Ave., Caldwell, N. J.
2AGI—D. A. Griffin, 3 Oak Ridge Ave., Summit, N. J.
2AGJ—L. Cohan, 217 W. 110th St., N. Y. City
2AGK—H. A. Earsy, Wilson Ave., Westbury, N. Y.
2AGL—W. C. King, Clove Ave., Haverstraw, N. Y.
2AGM—N. M. Sommers, 2020 Honeywell Ave., N. Y. City
2AGN—B. T. Rutherford, 102 Heck Ave., Ocean Gr., N. J.
2AGO—L. J. Sauter, 309 N. Mountain, U. Montclair, N. J.
2AGP—H. Rogatz, 78 E. 91st St., N. Y. City
2AGQ—C. K. Taber, Milton, N. Y.
2AGR—L. B. Moss, 18 Roosevelt Ave., Poughkeepsie, N. Y.
2AGS—E. J. Totten, 18 Cedar Ave., Hempstead, N. Y.
2AGT—A. H. Rodde, 1516 Emmons Ave., Brooklyn, N. Y.
2AGU—A. J. Charters, 728—3d Ave., N. Y. City
2AGV—G. P. Dieckman, 74 Lott St., Brooklyn, N. Y.
2AGW—D. C. Depuy, 1448 Castleton, Pt. Richm'd, N. Y.
2AGX—R. Fitzgerald, 17 Barrett St., Schenectady, N. Y.
2AGY—J. P. Skidmore, 1078 Bond St., Elizabeth, N. J.
2AGZ—C. Creamer, 117 Warren St., Newark, N. J.
2AH—M. W. Lipper, 125 W. 76th St., N. Y. City
2AHA—C. W. Hattenbrun, 663 Union Ave., N. Y. City
2AHB—A. Silverstein, 257 W. 111th St., N. Y. City
2AHC—F. Himes, 579 Nostrand Ave., Brooklyn, N. Y.
2AHD—R. Zahajsky, 400 E. 78th St., N. Y. City
2AHE—F. Jaros, 410 Amity St., Flushing, N. Y.
2AHF—J. Caggiano, 1854 Bath Ave., Brooklyn, N. Y.
2AHG—R. K. Martin, 140 Continental, Forest Hills, N. Y.
2AHH—C. R. Ulrich, 169 Springfield Ave., Rutherford, N.J.
2AHI—L. M. Vail, Vincent St., Orient, N. Y.
2AHJ—I. K. Allen, 206 Belleview Ave., Bloomfield, N. J.
2AHK—A. Weik, 125 Sherman Ave., Jersey City, N. J.
2AHL—J. G. Newberry, 428 Merrick Rd., Rockville Ctr., N. Y.
2AHM—E. W. Lehmann, 74 Eaton Pl., East Orange, N. J.
2AHN—C. A. Bass, 1012 Ogden Ave., Bronx, N. Y. City
2AHO—W. M. Derrick, 58 N. 6th St., Newark, N. J.
2AHP—J. B. Avery, 204 Harrison, New Brunswick, N. J.
2AHQ—R. Frank, 271 Palisade Ave., Union Hill, N. J.
2AHR—W. A. Bruning, 39 Chelsea Rd., Allwood, N. J.
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2BGO—J. Gresh, Jr., 650 Henry St., Linden, N. J.
2BGP—C. Wohlers 295 Putnam Ave., Brooklyn, N. Y.
2BGQ—E. M. Douglas, Shoot Hills, N. J.
2BGR—T. Hulse, 32 3rd Ave., Bay Shore, N. Y.
2BGS—Company B, 101st Signal Bat., 100 E. 34th St., N. Y. City
2BGT—Field Radio Station 1, 54 N. 3rd, Newark, N. J.
2BGU—A. C. Schliess, 240 E. 61st, N. Y. City
2BGV—R. B. Leavitt, 435 Ft. Washington, N. Y. City
2BGW—D. J. McMonagle, 860 Rogers, Brooklyn, N. Y.
2BGX—E. Miller, 96 Sinclair Ave., Winfield, N. Y.
2BGY—W. M. Perry, 56 Cambridge Pl., Brooklyn, N. Y.
2BGZ—D. Yenoli, 12 Allan St., Jamaica, L. I., N. Y.
2BH—H. G. Muller, 2900 8th Ave., N. Y. City
2BHA—R. E. Goll, 1342 E. 22nd St., Brooklyn N. Y.
2BHB—W. B. Thomson, 68 E. 8th St., Brooklyn, N. Y.
2BHC—W. G. King, Jr., 25 Claremont, N. Y. City
2BHD—V. H. Brown, 410 5th Ave., Belmar, N. J.
2BHE—J. Castellano, 633 Vanderbilt, Brooklyn, N. Y.
2BHF—M. Cooper, 111-115 E. 7th St., N. Y. City
2BHG—E. M. Paret, 276 Bloomfield, Verona, N. J.
2BHH—W. R. Van Horn, Star Route 2, Red Bank, N. J.
2BHI—H. V. Nordholm, 42 St. James, Yonkers, N. Y.
2BHJ—O. F. Fredericks, 300 Centre, Nutley, N. J.
2BHK—N. T. Nolan, 25 Jay St., Newark, N. J.
2BHL—H. J. Wright, 52 Elliott, Yonkers, N. Y.
2BHM—A. C. Hance, 18 Bergen St., Hackensack, N. J.
2BHN—R. S. Ohl, 240 Prospect, East Orange, N. J.
2BHO—H. D. Madden 14 Voorhies St., Newark, N. J.
2BHP—J. Rigby, Jr., 905 E. 19th St., Paterson, N. J.
2BHQ—S. S. Miller, 108 Lincoln, Ridgewood, N. J.
2BHR—H. A. Arthur, 127 Van Dien, Ridgewood, N. J.
2BHS—C. K. Conklin, 91 Fulton, Poughkeepsie N. Y.
2BHT—W. G. Moore, 68 Maolis, Bloomfield, N. J.
2BHU—R. M. Swain, 62 N. Arlington, E. Orange, N. J.
2BHV—C. Ettl, 115 Kingsley St., Leonia, N. J.
2BHW—N. Avery, 148 Parkside Ave. Brooklyn, N. Y.
2BHX—J. Anderson, 596 E. 141st St., N. Y. City
2BHY—C. M. Srebroff, 170 E. 91st St., N. Y. City
2BHZ—E. R. Sayers, 27 Washington Tr., Newburgh, N. Y.
2BI—W. J. Burns, 8518 109th, Richmond Hill, N. Y.
2BIA—Y. D. Borst, Jr. 100 E. Main, Cobleskill, N. Y.
2BIB—J. G. Murcken, Box 59, Westwood, N. J.
2BIC—L. Rennetzen, 13 Park Ave., Rutherford, N. J.
2BID—H. C. Horencamp, 623 E. 22nd, Paterson, N. J.
2BIE—W. B. Willey, R. F. D. 1, Centerville, Keyport, N. J.
2BIF—A. S. Duclos, 209 James St., Scotia, N. Y.
2BIG—F. J. Moles, 115 Helderberg, Schenectady, N. Y.
2BIH—H. T. Jobes, 32 Westside Ave., Red Bank, N. J.
2BII—W. R. Allen, 32 Hamilton St., E. Orange, N. J.
2BIJ—C. B. Meneely, 9 Washington Pl., Troy, N. Y.
2BIK—A. J. Ordon, 8 Cheltenham, Schenectady, N. Y.
2BIL—C. Schrader, 3 Rockland, Yonkers N. Y.
2BIM—N. Sweet, Jr., 231 2nd St., Union, N. J.
2BIN—F. W. Effinger, 134 Elwood, Newark, N. J.
2BIO—G. W. Shepard, 50 Orient Way, Rutherford, N. J.
2BIP—W. Skinner, 9136 118th, Richmond Hill, N. Y.
2BIQ—Mutual News Assn., 2-4 Stone St., N. Y. City
2BIR—D. A. Troy, 288 Prospect St. Nutley, N. J.
2BIS—M. H. Hammerly, 1 Bronxville, Bronxville, N. Y.
2BIT—Asbury Park Radio School, Asbury Park, N. J.
2BIU—H. Bayer, 75 E. 119th St., N. Y. City
2BIV—A. U. Fox 57 High St., Nutley, N. J.
2BIW—V. C. Eberlin, 3040 Bainbridge, N. Y. City
2BIX—C. A. Bilms, 86 Clark, Ocean Grove, N. J.
2BIY—J. F. McCarthy, 160 Alden St., Orange, N. J.
2BIZ—C. W. Copping, 2407 Valentine, N. Y. City
2BJ—H. H. Dahms, 7, Gray St., Poughkeepsie N. Y.
2BJA—E. Ashforth, 319 Union St., Union Hill, N. J.
2BJB—P. H. Rank, 681 Vanderbilt Ave., Brooklyn, N. Y.
2BJC—W. A. Rouge, 122 Union St., Town of Union, N. J.
2BJD—F. Cierpik, 160 Rockaway Rd. Jamaica, N. Y.
2BJE—F. Walther, 542 E. 85th St., N. Y. City
2BJF—G. Phillips, 1661 E. 109th St., Brooklyn, N. Y.
2BJG—S. A. Hendrick, 85 W. 181st St., N. Y. City
2BJH—E. M. Giles, 315 E. 36th St., Paterson, N. J.
2BJI—F. C. Read, 618 E. Jersey St., Elizabeth, N. J.
2BJJ—J. Mahar, 36 Elliott St., Newark, N. J.
2BJK—E. R. Granger, 47 1st Ave., Mt. Vernon, N. Y.
2BJL—R. W. Stokes, 32 Sherwood, Ridgewood N. J.
2BJM—W. Farrell, 195 Boiling Springs, E. Rutherford, N. J.
2BJN—E. Ross, Jr., 3 Grtn Ave., N. Brunswick, N. J.
2BJO—R. W. Ackerman, Box 155, Bear Ridge Rd., Pleasantville, N. Y.
2BJP—J. L. Payne, 819 E. Broad, Westfield N. J.
2BJQ—R. Boar, 124 West End Ridgewood, N. J.
2BJR—R. Dobbs, 545 E. Broad, Westfield, N. J.
2BJS—B. H. Mahon, Kinderkamack, River Edge N. J.
2BJT—H. Marshalk, Jr., 67 Rutledge, E. Orange, N. J.
2BJU—A. H. Muirhead, Belmont Ave., Bergenfield, N. J.
2BJV—F. Jeffreys, Jr., 37 Hurlbut St., Albany, N. Y.
2BJW—A. F. Lupus, 169 S. 9th St., Newark, N. J.
2BJX—J. W. Seeley, 524 3rd St., Union Hill, N. J.
2BJY—D. B. Knapp, Haworth, N. J.
2BJZ—E. M. Little, 21 Clayton Ave., Cortland, N. Y.
2BK—C. A. Trube, 70 Woodland Ave., Yonkers, N. J.
2BKA—E. G. Smith, 495 Bloomfield Ave., Verona, N. J.
2BKB—D. T. Simonds, 2 Cortland, Schenectady, N. Y.
2BKC—F. Dwyer, 436 72nd St., Brooklyn, N. Y.
2BKD—A. H. Scott, Jr., 268 Dean St., Brooklyn, N. Y.
2BKE—O. D. Engstrom, 163 E. 69th St., N. Y. City
2BKF—A. H. Biltermen, 526 E. 138 St., N. Y. City
2BKG—O. E. Weissenborn, 46 Sherman, Jersey City, N. J.
2BKH—F. Benjamin, 969 E. 165th St., N. Y. City
2BKI—B. Steinberger, 512 E. 148th St., N. Y. City
2BKJ—D. W. Dana, 14 Edgewater, Grantwood, N. J.
2BKK—N. Rowe, 828 Grand St., Jersey City, N. J.
2BKL—R. W. Bunce, Tappan Rd, Norwood, N. J.
2BKM—E. A. Fives, 1223 Halsey St., Brooklyn, N. Y.
2BKN—E. J. Klaus, 46 Nichols Ave., Brooklyn, N. Y.
2BKO—T. J. Falk, 64 Elliott St., Newark, N. J.
2BKP—W. Frame, 485 Tompkins Ave., Brooklyn, N. Y.
2BKQ—E. Maged, 1377 40th St., Brooklyn, N. Y.
2BKR—D. H. Sarkisian, 111A 13th St., W. New York, N. J.
2BKS—A. E. Siegel, 396 Bleeker St., Brooklyn, N. Y.
2BKT—S. R. Russell, 1556 Anne St., West Ft. Lee, N. J.
2BKU—P. B. Smith, Bayhurst Ave., Flushing, N. Y.
2BKV—S. J. Kelly, 565 Remington, Arverne, N. Y.
2BKW—B. L. Prenovitch, 908 Kelly St., N. Y. City
2BKX—G. A. Wies, Jr., 246 West End Ave., N. Y. City
2BKY—J. D. Mattson, Jr., 140 Grand Ave., Astoria, N. Y.
2BKZ—J. Brizzolari, 785 Hewitt Pl., N. Y. City
2BL—G. J. McTernan, 1829 59th St. Brooklyn, N. Y.
2BLA—J. J. Farley, 303 Ann St., Harrison, N. J.
2BLB—W. Rossler, 51 James St., Paterson, N. J.
2BLC—T. Tolman, 263 Seaman, New Brunswick, N. J.
2BLD—E. Hicks, Clifton Ave. Toms River, N. J.
2BLE—R. F. Kinsey, 22 N. 6th St., Newark, N. J.
2BLF—S. R. Falbisch, 248 W. 148th St., N. Y. City
2BLG—L. M. Antonides, 85 1st. Atlantic Highlands, N. J.
2BLH—M. S. Moore, N. Broad & Sea Girt, Manasquan, N. J.
2BLI—P. W. Babbitt, 210 Renshaw Ave., E. Orange, N. J.
2BLJ—D. E. Heath, 100 S. 4th, New Brunswick, N. J.
2BLK—W. J. MacChesney, 34 Hawthorne, Summit, N. J.
2BLL—H. Trachtman 355 E. 94th, N. Y. City
2BLM—A. W. Veldran, 488 Clifton, Clifton, N. J.
2BLN—C. A. Fleckenstein, 32 Jay, Newark, N. J.
2BLO—H. R. Davidson, 1051 E. Grand, Elizabeth, N. J.
2BLP—L. B. Matthews, Main St., Locust Valley, N. Y.
2BLQ—C. V. D. Rusling, 204½ Garside St., Newark, N. J.
2BLR—G. F. Van Meerbeke, Atlantic St., Keyport, N. J.
2BLS—E. G. Moffat, R.F.D. 2, Colonie, N. Y.
2BLT—F. C. Bethell, 270 Up. Mt. Av., Up. Montclair, N. J.
2BLU—R. Bixby, 707 Becker St., Schenectady, N. Y.
2BLV—M. White, Prospect Park, White Plains, N. Y.
2BLW—C. F. Shirk, Jr., 31 Small Ave., Caldwell, N. Y.
2BLX—L. Rostenberg, 15 Chestnut Hill Av., Wh. Pl., N. Y.
2BLY—A. Ranch, 53 Washington Ave., Rutherford, N. J.
2BLZ—W. E. Traver, 614 Smith St., Inwood, N. Y.
2BM—E. Heermance, 523 State St., Hudson, N. Y.
2BMA—W. C. von Brant, 158 S. Valley, W. Orange, N. J.
2BMB—H. Erdman 7 Bleachery Row, Fairview, N. J.
2BMC—W. H. Everson, 94 Church, New Brunswick, N. J.
2BMD—A. J. Terhune, 51 Ridge Ave., Passaic, N. J.
2BME—W. L. Shepard, 112 Park Pl., New Brunswick, N. J.
2BMF—R. Bertin, P. O. Box 7, Hillsdale, N. J.
2BMG—H. G. Connor, 827—3d Ave., Troy, N. Y.
2BMH—A. Reid, 70 Mt. Carmel Way, Ocean Gr., N. J.
2BMI—G. Mitchell, 244 Lafayette Ave., Passaic, N. J.
2BMJ—H. G. Degoutrie, 2068 Arthur Ave., N. Y. City
2BMK—E. Bakelaar, 25 Barnert Pl., Paterson, N. J.
2BML—H. H. Everage, care Radio Corp. of Am., Belmar, N. J.
2BMM—R. L. Coombs, 47 Wells Ave., Jamaica, N. Y.
2BMN—W. F. Spitzform, 51 Autumn Ave., Brooklyn, N. Y.
2BMO—W. H. Wilson, 354A—9th St., Jersey City, N. J.
2BMP—K. Martell, 144 Whitfield Ave., Nutley, N. J.
2BMQ—A. P. Garzillo, 590 Earle Ave., N. Y. City
2BMR—G. S. Watson, Bergen Blvd., Grantwood, N. J.
2BMS—J. J. Glauber, 151 N. 12th St., Newark, N. J.
2BMT—S. Shimshak, 344 Forrest St., Jersey City, N. J.
2BMU—J. McGeney, Fulton St. & Hollis Av., Hollis, N. Y.
2BMV—E. Lind, 5017—4th Ave., Brooklyn, N. Y.
2BMW—J. C. Dodman, 10739—111th, Richm'd Hill, N. Y.
2BMX—W. LeR. Cipperly, 9 Frear Ave., Troy, N. Y.
2BMY—L. Daileader, 200 Walworth St., Brooklyn, N. Y.
2BMZ—M. Lee, 446 Jefferson Ave., Brooklyn, N. Y.
2BN—E. G. Sisson, Jr., 15 The Crescent, Montclair, N. J.
2BNA—F. C. Krummel, 488 Nostrand Ave., Brooklyn, N. Y.
2BNB—S. Kupferman, 701 Prospect Ave., Bronx, N. Y.
2BNC—G. W. Wolf, Park Crescent, Jamaica, N. Y.
2BND—L. E. Watkins, 380 Riverside Drive, N. Y. City
2BNE—G. J. Berg, 165 W. 20th St., N. Y. City
2BNF—D. W. Exner, 112—23d St., Elmhurst, N. Y.
2BNG—R. Fangaroli, 40 Bedford St., N. Y. City
2BNH—E. J. Hefele, 2279 Washington Ave., N. Y. City
2BNI—W. Alexander, 449 Jackson Ave., N. Y. City
2BNJ—J. Cardozo, 7609—5th Ave., Brooklyn, N. Y.
2BNK—W. Schwartz, 1284 Halsey St., Brooklyn, N. Y.
2BNL—E. C. Wilbur, 25 Vermilyea Ave., N. Y. City
2BNM—J. Ward, 840 Courtlandt Ave., N. Y. City
2BNN—G. P. Noble, 444 Fulton St., Jamaica, N. Y.
2BNO—J. W. Helmstaedter, Jr., 105 Park, Newark, N. J.
2BNP—W. C. Burns, 2655 Mansfield Pl., Brooklyn, N. Y.
2BNQ—C. McCormack, 825 Halsey St., Brooklyn, N. Y.
2BNR—R. M. Ryerson, 31 Park End Pl., E. Orange, N. J.
2BNS—L. Menier, 536 E. 88th St., N. Y. City
2BNT—Newark Preparatory Sch., 1030 Broad, Newark, N. J.
2BNU—F. N. Graddy, 317 Miller Ave., Freeport, N. Y.
2BNV—J. W. Gutteridge, 1418 Mott Ave., Inwood, N. Y.
2BNW—P. L. Roraback, 411 Maitland, W. Englewood, N.J.
2BNX—T. L. Smith, 14 Keene Ave., Floral Park, N. Y.
2BNY—H. Smith, 19 Pinehurst Ave., N. Y. City
2BNZ—E. A. Dickinson, 1033 Garden St., Hoboken, N. J.
2BO—M. A. McIntire, 956 E. 22d St., Brooklyn, N. Y.
2BOA—P. C. Smith, 1821 E. 17th St., Brooklyn, N. Y.
2BOB—R. G. Kissick, 199 Lincoln Pl., Brooklyn, N. Y.
2BOC—M. Graham, 18 W. Ridgewood, Ridgewood, N. J.
2BOD—J. E. Rabbitt, 1137 Castle Hill Ave., N. Y. City
2BOE—F. B. Nordstrom, 1675 E. 13th St., Brooklyn, N. Y.
2BOF—H. V. Smith, 192 Myrtle Ave., Irvington, N. J.
2BOG—R. I. Burhans, 158 St. James Pl., Brooklyn, N. Y.
2BOH—J. Wegweiser, 1531 Fulton Ave., N. Y. City
2BOI—A. E. Kerwien, Center Ave., Fort Lee, N. J.
2BOJ—C. H. Benjamin, 485 Willoughby Av., Brooklyn, N. Y.
2BOK—C. R. Lentz 531 W. 46th St., N. Y. City
2BOL—C. W. Ludwig, 268 Autumn Av., Cypress Hills, N.Y.
2BOM—A. M. Fairlamb, 3315 Broadway, N. Y. City
2BON—J. E. Kulmast, Tom Hunters Rd., Fort Lee, N. J.
2BOO—H. A. Schmidt, 1163 Rogers Ave., Brooklyn, N. Y.
2BOP—J. B. Leder, 2078 Byse Ave., N. Y. City
2BOQ—S. Marians, 2744 E. 27th St., Brooklyn, N. Y.
2BOR—H. Birkmire, 2316 Andrews Ave., N. Y. City
2BOS—Unassigned
2BOT—I. Mandel, 416 E. 70th St., N. Y. City
2BOU—H. A. Gross, 63 Hart St., Brooklyn, N. Y.
2BOV—A. G. W. Gelbke, 104-118—122d St., Richmond Hill, N. Y.
2BOW—H. Brannick, 229 Ashford Ave., Dobbs Ferry, N. Y.
2BOX—C. Ribera, 526 E. 11th St., N. Y. City
2BOY—V. J. Gilcher, 435 Liberty Ave., Jersey City, N. J.
2BOZ—L. L. Driggs, 1 Hale Pl., New Rochelle, N. Y.
2BP—S. Bruno, 10215—97th Ave., Woodhaven, N. Y.
2BPA—F. N. M. Squires, 101 Villa Ave., Yonkers, N. Y.
2BPB—L. T. Goldsmith, 28 Floral Blvd., Floral Pk., N. Y.
2BPC—I. K. Morris, Kinderkamack Rd., River Edge, N. J.
2BPD—L. A. Wood, 1122 Elm St., Peekskill, N. Y.
2BPE—C. B. Robertson, 18 Grove St., Bloomfield, N. J.
2BPF—I. N. Petland, 273—94th St., Brooklyn, N. Y.
2BPG—H. A. Bremer, 39 Sherman Ave., Jersey City, N. J.
2BPH—G. E. Jacobs, 165 Bayview Ave., Jersey City, N. J.
2BPI—G. Barenblatt, 290 Willis Ave., N. Y. City
2BPJ—C. C. Zacharie, 39 Court St., White Plains, N. Y.
2BPK—H. B. Eitzen, 172 West End Ave., N. Y. City
2BPL—G. May, 494 Hendrix St., Brooklyn, N. Y.
2BPM—G. Kirby, 34 Boerum Ave., Flushing, N. Y.
2BPN—J. K. Bock, 384 Halsey St., Brooklyn, N. Y.
2BPO—T. J. Nunan, 166 Summit Ave., Summit, N. J.
2BPP—R. S. S. Bourne, Jr., 528—5th St., Brooklyn, N. Y.
2BPQ—L. H. Armbruster, 11 Rockwood Av., Baldwin, N. Y.
2BPR—J. H. Specht, Jr., Tappan Rd., Norwood, N. J.
2BPS—J. Fulton, 184 Madison Ave., Clifton, N. J.
2BPT—P. J. Perazzons, 927 Demott St., N. Bergen, N. Y.
2BPU—R. S. Miller, Merrick Ave., Merrick, N. Y.
2BPV—W. S. Yeager, Delaware Ave., Delmar, N. Y.
2BPW—J. Rutledge, 209 Watchung Ave., Montclair, N. J.
2BPX—M. S. Randall, 260—4th Ave., Troy, N. Y.
2BPY—F. R. Sherwood, Martine Ave., Fanwood, N. J.
2BPZ—J. I. Blauvelt, 202 Park Ave., Paterson, N. J.
2BQ—B. Guild, 636 Mt. Prospect Ave., Newark, N. J.
2BQA—B. Toegel, 565 Meadow St., Elizabeth, N. J.
2BQB—E. S. Worden, Jr., 19 Barker Av., White Pl., N. Y.
2BQC—F. A. Korn, 330 S. Park St., Elizabeth, N. J.
2BQD—H. S. Conaughty, 172 Furman, Schenectady, N. Y.
2BQE—F. T. Williams, 636 E. 21st St., Brooklyn, N. Y.
2BQF—C. L. Wilcox, Fair St., Carmel, N. Y.
2BQG—W. E. Litke, 1245 Virginia Ave., N. Y. City
2BQH—W. R. Seigle, Oriental Point, Mamaroneck, N. Y.
2BQI—C. W. Thomas, 5 Riv. Rd., Highland Pk., New Brunswick, N. J.
2BQJ—Hub Radio Co., 380 E. 149th St., N. Y. City
2BQK—J. Tiffany, 43 Oakridge Ave., Summit, N. J.
2BQL—R. Janaross, 517 E. 147th St., N. Y. City
2BQM—Flushing High School Radio Club, Whitestone & Broadway, Flushing, N. Y.
2BQN—R. R. Susdorff, 533A Quincy St., Brooklyn, N. Y.
2BQO—Freehold Y.M.C.A. Radio Club, Main St., Freehold, N. J.
2BQP—A. A. Fusco, 2404 Crotona Ave., N. Y. City
2BQQ—E. E. Faller, 21 Van Reipen Ave., Jersey City, N. J.
2BQR—E. Haverty, 68 W. 6th St., Bayonne, N. J.
2BQS—R. T. Morris, 149 W. 88th St., N. Y. City
2BQT—M. G. Greiner, 157 S. Lexington, White Pl., N. Y.
2BQU—H. F. Kuch, Bertha Pl., Grymes Hill, S. I., N. Y.
2BQV—J. W. Davis 21 S. Clinton St., East Orange, N. J.
2BQW—E. Ruth, Oxford Blvd., Garden City, N. Y.
2BQX—C. L. Davis, 537 Fowler Ave., Pelham Manor, N. Y.
2BQY—W. A. Wilson, 103-18—123d, Richmond Hill, N. Y.
2BQZ—T. Sprink, 115 Jay Ave., Lyndhurst, N. J.
2BR—A. C. Lopez, 54 E. 105th St., N. Y. City
2BRA—J. Gitz, 9 South Park Drive, W. Orange, N. J.
2BRB—E. M. Glaser, 843 E. 13th St., Brooklyn, N. Y.
2BRC—H. P. Corwith, Water Mill, N. Y.
2BRD—L. Wichern, 2 Hill St., Granton, N. J.
2BRE—M. Gold, 644 E. 15th St., Brooklyn, N. Y.
2BRF—J. F. Dee, 1010 Garden St., Hoboken, N. J.
2BRG—L. D. Jameson, 113 Lathrop, W. N. Brighton, N. Y.
2BRH—R. Steinberg, 1102 President St., Brooklyn, N. Y.
2BRI—H. J. Leghers, 45 John St., Saugerties, N. Y.
2BRJ—A. J. Walker, 248 W. 20th St., N. Y. City
2BRK—R. S. Dunham, 221—74th St., Brooklyn, N. Y.
2BRL—C. R. Taylor, 2390 Davidson Ave., N. Y. City
2BRM—M. Spelman, 734 Prospect Ave., N. Y. City
2BRN—A. E. Blackmar, Jr., 117 Lenox Rd., Brooklyn, N.Y.
2BRO—C. G. Kilbourne, 251 W. 73d St., N. Y. City
2BRP—M. J. Sammer, 166 Jacques St., Elizabeth, N. J.
2BRQ—L. J. Wiggin, 26 Parcell St., Elmhurst, N. Y.
2BRR—J. B. Marion, 1622 Neptune Av., Coney Isl., N. Y.
2BRS—L. S. Browne, 62 Maurice Ave., Elmhurst, N. Y.
2BRT—H. F. Buschow, 2320 Newbold Ave., N. Y. City
2BRU—A. Wydan, 717 Lott Ave., Woodhaven, N. Y.
2BRV—J. J. Early, 165 Malone Ave., Belleville, N. J.
2BRW—D. M. Cole, 379 Virginia Ave., Jersey City, N. J.
2BRX—H. F. Heins, 1448 Oxford Ave., Woodhaven, N. Y.
2BRY—Calvary Baptist Radio Club, 123 W. 57th St., N. Y. City
2BRZ—T. J. Murphy, 52 W. 82d St., N. Y. City
2BS—F. E. Garlick, 23 Occident Av., Tompkinsville, N. Y.
2BSA—D. A. Maltby, 974 Park Ave., Plainfield, N. J.
2BSB—R. I. Ainsworth, 67 N. Lark St., Albany, N. Y.
2BSC—D. H. Doscher, Locust, T. O. B., Glen Head, N. Y.
2BSD—C. C. Sherman, 393 Palisade Ave., Union Hill, N. J.
2BSE—J. R. Hallock, Milton-on-the-Hudson, N. Y.
2BSF—J. B. Pinkney, 7 Garden St., Montclair, N. J.
2BSG—T. Kuser, 44 Hillside Ave., West Orange, N. J.
2BSH—G. L. Fuller, 26 Westside Ave., Schenectady, N. Y.
2BSI—D. A. Crowley, 18 Rankin St., Elizabeth, N. J.
2BSJ—A. H. Rowe, Jr., 57 Warren St., Bloomfield, N. J.
2BSK—E. St. John, 50 Schenectady St., Schenectady, N. Y.
2BSL—F. Jacobs, 8427—105th St., Richmond Hill, N. Y.
2BSM—C. Niles, 25 Pine St., Freeport, N. Y.
2BSN—I. Olsensky, 228 Water St., Perth Amboy, N. J.
2BSO—R. B. Wagner, 809 Arnold Ave., Pt. Pleasant, N. Y.
2BSP—W. T. Anderson, 3 Norton St., Newburgh, N. Y.
2BSQ—C. V. Muchmore, 307 Coudert Pl., S. Orange, N. J.
2BSR—J. Jacobs, Front St., Keyport, N. J.
2BSS—W. S. Lawrence, Montclair Ave., Paterson, N. J.
2BST—E. Lenox, 117 Overpeck Av., Ridgefield Pk., N. J.
2BSU—M. S. Hendricks, Highland, N. Y.
2BSV—F. J. Dering, 317 Cypress Hills Rd., Glendale, N. Y.
2BSW—O. W. Hungerford, Fort Hill Rd. Scarsdale, N. Y.
2BSX—S. F. Dunham, 4 Baldwin St., East Orange, N. J.
2BSY—A. F. W. Boehm, 135 Autumn Ave., Passaic, N. J.
2BSZ—J. Batchelor, 159 Broad St., Bidgewood, N. J.
2BT—E. J. Rooney, 8746—112th St. Richmond Hill, N. Y.
2BTA—M. B. Hallett, 86 Prospect Pl., Rutherford, N. J.
2BTB—E. Reed, 127 Wallace St., Red Bank, N. J.
2BTC—W. R. Johnson, 23 Appleton Pl., Montclair, N. J.
2BTD—A. W. Moore, Smith St. & Babylon, Merrick, N. Y.
2BTE—C. D. Field, 235 Edgar Pl., Elizabeth, N. J.
2BTF—P. J. Joyce, 891 Fresh Pond Rd., Ridgewood, N. Y.
2BTG—W. Starke, 38 Winant Ave., Ridgefield Pk., N. J.
2BTH—C. Fulton, Box 28, North Hackensack, N. J.
2BTI—L. H. Gardner, 39 Montrose St., Newark, N. J.
2BTJ—A. M. Quaid, E. Main St., Sayreville, N. J.
2BTK—W. McL. Applegate, 90 Maple Av., Red Bank, N. J.
2BTL—G. W. Good, 420 Valley Rd., Up. Montclair, N. J.
2BTM—M. C. M. Lane, 26 Westfield, Roselle Park, N. J.
2BTN—H. Blanchard, 117 E. 100th St., N. Y. City
2BTO—G. W. Barkelew, 60 Main St., South River, N. J.
2BTP—R. Warner, 1700 State St., Schenectady, N. Y.
2BTQ—M. Squitieri, 344—2d St., Brooklyn, N. Y.
2BTR—F. A. Amrose, 714 Leland Ave., Plainfield, N. J.
2BTS—A. Larson, 50 W. 10th St., N. Y. City
2BTT—J. Camps, 10 Johnsons Lane, Baldwin, N. Y.
2BTU—V. Du B. Penner, Cedar St., Cedar Gr., N. J.
2BTV—F. W. Paul, 252—12th St., Brooklyn, N. Y.
2BTW—E. E. Harrison, 712 Standish Ave., Westfield, N.J.
2BTX—F. Westphal, 9115 N. Wertland St., Queens, N. Y.
2BTY—Eagan Radio School, 66 Hudson St., Hoboken, N. J.
2BTZ—G. D. T. Rouse, Jr., Central Av. & H. S. Pl., Ramsey, N. J.
2BU—E. O. Taylor, Kings Highway, Chapel Hill, N. J.
2BUA—F. Hahnel, 600 W. 145th St., N. Y. City
2BUB—R. E. Hancock, 456 Ridgew'd Rd., S. Orange, N. J.
2BUC—F. H. Fuller, Jr., 435 Richmond Av., S. Orange, N.J.
2BUD—F. L. Reagan, 22 Ramsey Pl., Albany, N. Y.
2BUE—G. K. Graham, 361 E. 159th St., N. Y. City
2BUF—W. Lux, 411 Washington Ave., Grantwood, N. J.
2BUG—A. Abelson, 1808 Pitkin Ave., Brooklyn, N. Y.
2BUH—W. Dressler, 768 Fresh Pond Rd., Ridgew'd, N. Y.
2BUI—R. E. Cadlick, 472 E. 75th St., N. Y. City
2BUJ—W. Hudtwalker, 8512—116th St., Richm'd Hill, N.Y.
2BUK—W. E. Fleck, Chestnut St., Haworth, N. J.
2BUL—A. C. Gary, 310 W. 135th St., N. Y. City
2BUM—E. Heuerhusen 8792 Lefferts, Richm'd Hill, N. Y.
2BUN—P. Sherman, 1692 Washington Ave., N. Y. City
2BUO—W. H. Olpe, 14 Brooklyn Ave., Jamaica, N. Y.
2BUP—A. Sonnick, 322 E. 141st St., N. Y. City

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2BUS—A. G. Reinhart, 527 Morris Ave., Elizabeth, N. J.
2BUT—J. Troiano, 1719 Zerega Ave., Westchester, N. Y.
2BUU—I. H. DeYoung, Qtrs. 151 Ft. Hamilton, Brooklyn, N. Y.
2BUV—H. M. Blatner, 165 Hamilton St., Albany, N. Y.
2BUW—S. S. Lesh, 5 Thomas St., South River, N. J.
2BUX—H. Rhodes, 45 Runyon Ave., Deal, N. J.
2BUY—W. R. Simpson, 211—9th Ave., Bradley Pk., N. J.
2BUZ—F. E. Wentink, Salisbury Mills, N. Y.
2BV—A. Grom, 156 Fleeckr, Jersey City, N. J.
2BVA—F. B. Eaton, 716—12th Ave., Newark, N. J.
2BVB—H. H. Bonney, Jackson Ave., Seaford, N. Y.
2BVC—L. Tilman, 3 Pleasant Av., Hastings-on-Hud., N. Y.
2BVD—M. N. Dooley, 166 S. Arlington Av., E. Orange, N.J.
2BVE—D. L. Oakley, 24 Chestnut St., Red Bank, N. J.
2BVF—G. Hambacher, 8 Dodd St., Bloomfield, N. J.
2BVG—J. P. Meehan, 32 Dana Ave., Albany, N. Y.
2BVH—F. W. Booth, 111 Lincoln Ave., N. Brunswick, N. J.
2BVI—R. H. Zimmerman, 50 Martin Rd., Verona, N. J.
2BVJ—R. N. Dobbins, R.F.D. 3, Box 326, Freehold, N. J.
2BVK—J. P. Buxton, 140 Jennings Ave., Patchogue, N. Y.
2BVL—T. A. Bedell, 143 Harrison Ave., Baldwin, N. Y.
2BVM—A. Knox, 317 E. 196th St., N. Y. City
2BVN—A. Filskov, 302 Main St., South Amboy, N. J.
2BVO—H. E. Bartow, Oakwood Ave., Merrick, N. Y.
2BVP—D. C. Macintosh, 3 Gillespie St., Schenectady, N.Y.
2BVQ—J. C. Veach, 28 N. Perry St., Poughkeepsie, N. Y.
2BVR—J. J. Guarino, 69 W. Grove St., Lyndbrook, N. Y.
2BVS—S. F. Pitoniak, 12 Valley Rd., Clifton, N. J.
2BVT—E. A. Lussier, 359 Ovington Ave., Brooklyn, N. Y.
2BVU—C. Manda, 134—28th St., Woodcliff, N. J.
2BVV—A. Stellman, 47 Main St., Hackensack, N. J.
2BVW—A. Koenig, 871 Chaffee St., Brooklyn, N. Y.
2BVX—M. L. Powers, 3049 Hull Ave., N. Y. City
2BVY—R. Halloran, 457—73d St., Brooklyn, N. Y.
2BVZ—C. F. Enders, 2755 Sedgewick Ave., N. Y. City
2BW—A. L. Walsh, 319—33d St., Woodcliffe-on-Hud., N.Y.
2BWA—C. R. Francis, 10732—111th St., Richm'd Hill, N.Y.
2BWB—W. L. Jepson, 278 New York Av., Brooklyn, N. Y.
2BWC—G. D. Spawn, Kenwood Ave., Delmar, N. Y.
2BWD—J. Storch, 2463 Tiebout Ave., N. Y. City
2BWE—E. Hirschfield, 336 W. 24th St., N. Y. City
2BWF—J. Grund, 207 John St., Belleville, N. J.
2BWG—H. Babban, 100 Division Ave., Belleville, N. J.
2BWH—R. Bras, 140—24th St., Guttenberg, N. J.
2BWI—L. Germansky, 198 New Jersey Av., Brooklyn, N. Y.
2BWJ—W. Frugetta, 229—28th St., Woodcliff, N. J.
2BWK—F. M. Hammond, 160 E. Main St., Patchogue, N.Y.
2BWL—H. R. Irving, 341 W. 51th St., N. Y. City
2BWM—W. S. Marder, Jr., 611 Belvidere, Plainfie'd, N. J.
2BWN—F. King, 100 Central Park South, N. Y. City
2BWO—H. H. C. Wiegand, 1052 Prospect Ave., N. Y. City
2BWP—C. Bertilina, Milton, N. Y.
2BWQ—M. A. Dow, 20 Crescent, Morris, Yonkers, N. Y.
2BWR—J. V. Gartland, 1405 Kermoor Pl., Brooklyn, N. Y.
2BWS—A. R. Loeser, Jr., 224 Murray St., Elizabeth, N. J.
2BWT—T. Kircher, 220 Olmstead Pl., Glendale, N. Y.
2BWU—A. E. Patterson, Johnson Pl., Union, N. J.
2BWV—A. T. Taylor, 9566—113th St., Richmond Hill, N.Y.
2BWW—R. W. L. Tretheway, 139 S. 9th St., Newark, N. J.
2BWX—H. Geduld, 584 Schenck Ave., Brooklyn, N. Y.
2BWY—E. W. Pearson, 19 Broad St., Fairview, N. J.
2BWZ—R. E. Vernon, 52 Elm St., Montclair, N. J.
2BX—Browne's Business College, Flatbush & Lafayette Ave., Brooklyn, N. Y.
2BXA—Bronx Radio Equip. Co., 687 Courtland Ave., Bronx, N. Y.
2BXB—W. E. Palmer, 241—73d St., Brooklyn, N. Y.
2BXC—C. E. Rooks, 109 W. 138th St., N. Y. City
2BXD—J. G. Arsics, 10 Beecher St., Newark, N. J.
2BXE—Wilkinson Radio Laboratory, 30 E. 128th, N. Y. City
2BXF—F. Dahlmer, 528 Greene Ave., Brooklyn, N. Y.
2BXG—D. Warsaw, 8686—19th Ave., Brooklyn, N. Y.
2BXH—H. E. Smith, 254—13th St., Brooklyn, N. Y.
2BXI—Police Dept., Jersey City, N. J., City Hall, Jersey City, N. J.
2BXJ—W. B. Simpson, 275—6th Ave., Brooklyn, N. Y.
2BXK—R. S. Young, 380 Rugby Rd., Brooklyn, N. Y.
2BXL—B. Qucreau, New York Ave., White Plains, N. Y.
2BXM—M. Beards, 7304—3d Ave., Brooklyn, N. Y.
2BXN—E. W. Vogel, 61 Southern Blvd., N. Y. City
2BXO—J. Leone, 2275 Bassford Ave., Bronx, N. Y.
2BXP—T. E. Platt, 215 Dunellen Ave., Dunellen, N. J.
2BXQ—O. A. Hauger, R.F.D. 3, Box 152 Haledon, N. J.
2BXR—S. C. Hooker, Jr., 82 Remsen St., Brooklyn, N. Y.
2BXS—S. Keiper, 1571—1st Ave., N. Y. City
2BXT—R. D. Smith, 55 LaSalle St., N. Y. City
2BXU—A. J. Purcell, 41 Carleton St., East Orange, N. J.
2BXV—W. A. Miller, R.F.D. 4, New Brunswick, N. J.
2BXW—J. E. Cullen, Main St., Guilderland, N. Y.
2BXX—J. Wagner, Adelphia, N. J.
2BXY—E. Gundrum, 303 Cherry St., Elizabeth, N. J.
2BXZ—H. A. Weeks, 64 Steers Ave., Schenectady, N. Y.
2BY—E. Oeller, 7 Oneida St., Schenectady, N. Y.
2BYA—B. T. Vail, 1761 State St., Schenectady, N. Y.
2BYB—O. Hogrellius, 410—33d St., Woodcliff, N. J.
2BYC—D. W. Smith, South St., Oyster Bay, N. Y.
2BYD—M. J. Zaleske, 1029 North Ave., Elizabeth, N. J.
2BYE—H. C. Hunter, 217 E. 7th St., Plainfield, N. J.
2BYF—Kelly & Phillips, 312 Flatbush Av., Brooklyn, N. Y.
2BYG—H. E. Wirth, 63 Hamilton Ter., N. Y. City
2BYH—A. G. Larsen, 27 Mackey, Port Washington, N. Y.
2BYI—E. Thelen, Belmont Ave., North Haledon, N. J.
2BYJ—M. Levy, 233 Division St., N. Y. City
2BYK—L. Orein, 54 Cook St., Brooklyn, N. Y.
2BYL—E. Blood, Westervelt Pl., W. Englewood, N. J.
2BYM—G. Shelgell, 269A—17th St., Brooklyn, N. Y.
2BYN—B. Christie, 3266 Ely Ave., N. Y. City
2BYO—Moe Joffe, 52 W. 117th St., N. Y. City
2BYP—J. Millen, Dartmouth St., Forest Hills, N. Y.
2BYQ—M. Landesberg, 835 Lafayette Ave., Brooklyn, N. Y.
2BYR—H. Furch, 258 Johnston Ave., Jersey City, N. J.
2BYS—L. P. Davis, Jr., 18 Lake Ave., Yonkers, N. Y.
2BYT—C. E. Francis, 1662—70th St., Brooklyn, N. Y.
2BYU—F. Hirsch, 3368 Park Ave., Bronx, N. Y.
2BYV—H. V. D. Roberts, 46 Hillside Ave., Jamaica, N. Y.
2BYW—B. A. Mayhew, Laurel Ave., Tenafly, N. J.
2BYX—H. A. Greenidge, 56 W. 139th St., N. Y. City
2BYY—R. Schalk, 1848—67th St., Brooklyn, N. Y.
2BYZ—W. C. Vining, 15 Ridgeview Ave., White Pl., N. Y.
2BZ—W. T. Weatherbee, 609 W. 186th St., N. Y. City
2BZA—D. Killock Co., 1675 E. 13th St., Brooklyn, N. Y.
2BZB—W. H. Sperr, 1241 E. 34th St., Brooklyn, N. Y.
2BZC—R. Rosenberg, 120 E. 86th St., N. Y. City
2BZD—A. Nielson, 113 Bayview Av., Pt. Washington, N.Y.
2BZE—H. C. Coleman, 39 Carman St., Patchogue, N. Y.
2BZF—J. D. Sembler, Locust Valley, N. Y.
2BZG—F. A. Chichester, 318 E. Constance Ct., Hamels.N.Y.
2BZH—D. J. Scott, 1032 Evergreen Ave., Plainfield, N. J.
2BZI—T. J. Smith, E. Main St., Sayreville, N. J.
2BZJ—W. H. Grove, Jr., W. Main, Farmingdale, N. J.
2BZK—E. Harbolick, Buchanan, N. Y.
2BZL—O. E. Specht, Tappan Rd., Norwood, N. J.
2BZM—A. M. Mapes, 56 Railroad Ave., Patchogue, N. Y.
2BZN—E. Hobbs, Sycamore Ave., Little Silver, N. J.
2BZO—P. Rizzo, 571—39th St., Brooklyn, N. Y.
2BZP—T. H. Phelan, 528—75th St., Brooklyn, N. Y.
2BZQ—R. E. Priest, 161 W. 66th St., N. Y. City
2BZR—H. Bentman, 1529 Hoe Ave., Bronx, N. Y.
2BZS—C. Ellison, 3301 Broadway, N. Y. City
2BZT—J. Hedda us, 622 Greene Ave., Brooklyn, N. Y.
2BZU—Irvington High School, Madison Av., Irvington, N.J.
2BZV—W. L. Eckert, 112 Stuyvesant Ave., Lyndhurst, N. J.
2BZW—W. A. Kempf, 1050 Julia St., Elizabeth, N. J.
2BZX—H. Wolbarst, 299 E. 8th St., N. Y. City
2BZY—R. W. Harman, 203 E. 175th St., Bronx, N. Y.
2BZZ—W. Owens, 1829—59th St., Brooklyn, N. Y.
2CA—H. L. Leeb, 1616 Ralston Ave., So. Orange, N. J.

2CAA—A. MacDonough, 1186 Madison Ave., N. Y. City
2CAB—C. Miller, 379 Avenue E., Bayonne, N. J.
2CAC—A. Winterhalter, 863 Delafield, Staten Island, N. Y.
2CAD—E. Spisak, 52 E. 24th St., Bayonne, N. J.
2CAE—C. E. Litchfield, 261 N. 19th St., E. Orange, N. J.
2CAF—W. W. Crosby, 542 W. 124th St., N. Y. City
2CAG—V. E. Paterno, 540—56th St., Brooklyn, N. Y.
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2CAI—J. H. Lindauer, 8 Park St., Jersey City, N. J.
2CAJ—H. Rozs-Clunis, 260 Oakwood Av., W. N. Brighton, N. Y.
2CAK—G. M. Mochren, 2039 Creston Ave., Bronx, N. Y.
2CAL—H. Lubinsky, 89 Lehigh Ave., Newark, N. J.
2CAM—A. Harms, 210 Church St., Freeport, N. Y.
2CAN—J. Johnson, 149 Robinson Ave., Newburgh, N. Y.
2CAO—Unassigned
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2CAQ—C. M. Sherwood, S. O., 721 Carroll, Brooklyn, N. Y.
2CAR—L. F. Gray, S. O., 69 Burgess Pl., Passaic, N. J.
2CAS—C. E. Maps, S. O., 128 Woodworth, Yonkers, N. Y.
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2CAY—E. G. Compton, 117 Branch Ave., Red Bank, N. J.
2CAZ—H. Michalovich, 299 Francis, Schenectady, N. Y.
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2CBE—A. E. Shuster, 510 Adams Ave., Elizabeth, N. J.
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2CBH—E. J. Richter, 107 Conselyear St., Brooklyn, N. Y.
2CBI—A. C. Stevens, 150 N. Terrace Av., Mt. Vernon, N.Y.
2CBJ—H. A. Stainken, 6916—10th Ave., Brooklyn, N. Y.
2CBK—Hudson City Radio Club, 37 Sherman Ave., Jersey City, N. J.
2CBL—F. C. Meyer, 25 Oxford St., Montclair, N. J.
2CBM—J. Weiss, 230 E. 87th St., N. Y. City
2CBN—H. M. Steele, 44 Grand Ave., Baldwin, N. Y.
2CBO—F. Rosebury, 410 Hudson Ave., W. New York, N. J.
2CBP—G. C. Hagberg, 226 W. 1st Ave., Roselle, N. J.
2CBQ—D. D. Schneeweis, 3807—12th Ave., Brooklyn, N. Y.
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2CBS—S. Reich, 67 Pine Grove St., Jamaica, N. Y.
2CBT—F. Cost, 139 Main St., South River, N. J.
2CBU—J. Gluck, 1709 Parks Ave., N. Y. City
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2CBX—E. V. Jackson, 29 Morningstar Rd., Pt. Richmond, N. Y.
2CBY—W. T. Baxter, 171 W. 89th St., N. Y. City
2CBZ—E. Tamburo, 70 E. Passaic Ave., Bloomfield, N. J.
2CC—F. L. Rash, Main St., Oceanport, N. J.
2CCA—I. Spiegler, 870 E. 175th St., Bronx, N. Y.
2CCB—J. Hartvig, Jr., 215—8th Ave., Brooklyn, N. Y.
2CCC—F. Holi, 1529 Hoe Ave., Bronx, N. Y.
2CCD—Unassigned
2CCE—Elec. Ind. Mfg. Co., 222—80th St., Brooklyn, N. Y.
2CCF—Elec. Ind. Mfg. Co., 326 W. 41st St., N. Y. City
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2CCH—H. W. Youngdahl, 959—55th St., Brooklyn, N. Y.
2CCI—F. Gully, 54 Mackay Pl., Brooklyn, N. Y.
2CCJ—E. M. Wilson, 224 Garden St., Hoboken, N. J.
2CCK—V. Woodward, 370 W. 116th St., N. Y. City
2CCL—V. C. Bohman, 56 Prospect St., Long Isl. City, N.Y.
2CCM—B. H. Trinkaus, 684 E. 136th St., N. Y. City
2CCN—F. L. Cummings, Jr., 236 Jeffrey Av., Jamaica, N.Y.
2CCO—H. J. Snyder, 26 Nuttman Pl., West Orange, N. J.
2CCP—Elizabeth Auto. Co., 14-16 Westfield, Elizabeth,N.J.
2CCQ—V. A. Bohman, 56 Prospect St., Long Isl. City, N.Y.
2CCR—R. A. Meier, Horton Ave., Lynbrook, N. Y.
2CCS—W. H. Muller, Jr., 444—67th St., Brooklyn, N. Y.
2CCT—H. D. W. McClure, 302 W. 79th St., N. Y. City
2CCU—F. Barker, 163 Madison Ave., Clifton, N. J.
2CCV—S. Augstreich, 1669 Park Ave., N. Y. City
2CCW—E. J. Brower, 296—17th Ave., Newark, N. J.
2CCX—C. A. Feltman, 1000 Surf Av., Bklyn. (Coney Isl.),
2CCX—C. A. Feltman, 1000 Surf Ave., Brooklyn (Coney Island), N. Y.
2CCY—B. F. Kerrigan, 33 Stone Ave., Ossining, N. Y.
2CCZ—G. H. Benjamin, R.D. 6, Eliz. St., Schenectady,N.Y.
2CD—R. D. Prosser, Chestnut St., Englewood, N. J.
2CDA—G. L. Winne, 10 Swan St., Schenectady, N. Y.
2CDB—C. F. Fuller, 70 Pauline Ave., Schenectady, N. Y.
2CDC—Polytechnic Institute, Russell Sage Lab., Schenectady, N. Y.
2CDD—A. Schneider, 216—6th Ave., Schenectady, N. Y.
2CDE—L. G. Vail, Vincent St., Orient, N. Y.
2CDF—T. F. McGrath, Jr., 48 N. Fairview, Hamels, N. Y.
2CDG—L. C. Wessel, 204—4th Ave., Schenectady, N. Y.
2CDH—J. B. Ennis, Jr., Chestnut St., Castleton, N. Y.
2CDI—G. T. Parker, Kings Highway, Middletown, N. Y.
2CDJ—G. Friedner, 126 St. Mark's Pl., Brooklyn, N. Y.
2CDK—W. B. Truran, 33 Lincoln Terrace, Yonkers, N. Y.
2CDL—P. W. Remig, Jr., 269—18th St., Brooklyn, N. Y.
2CDM—C. Hurd, Fairfield Ave., West Caldwell, N. J.
2CDN—Adelphia Academy, 262 Lafayette, Brooklyn, N. Y.
2CDO—J. Alterman, 157 Monroe St., N. Y. City
2CDP—J. H. Mason, 1601 Bedford Ave., Brooklyn, N. Y.
2CDQ—C. F. Boynton, 129 Eagle St., Englewood, N. J.
2CDR—M. E. Walker, Jr., 141 Lakeside Dr., Nutly, N. J.
2CDS—C. R. Underhill, 35 Hillside Ave., Montclair, N. J.
2CDT—J. M. McIntyre, 428 Greene Ave., Brooklyn, N. Y.
2CDU—T. Reith, 330 Parkhill Ave., Yonkers, N. Y.
2CDV—New Jersey Radio Supply Co., 325 Harrison Ave., Harrison, N. J.
2CDW—R. C. Wilson, 94 Madison St., Jamaica, N. Y.
2CDX—W. Hotline, 15 Washington St., Flushing, N. Y.
2CDY—G. Solomon, 9 W. 31st St., Bayonne, N. J.
2CDZ—J. R. Meagher, 343 E. 195th St., N. Y. City
2CE—J. W. Dain, 1100 Orchard St., Peekskill, N. Y.
2CEA—H. Mackert, 10772 Greenw'd, Richmond Hill, N. Y.
2CEB—Nassau Radio League, Lincoln & Jay, Freeport, N.Y.
2CEC—B. F. Orange, 1812 Clay Ave., N. Y. City
2CED—G. F. Shorey, Apaquogue Rd., Easthampton, N. Y.
2CEE—W. H. Bostwick, 1334 Putnam Ave., Plainfield, N. J.
2CEF—E. Koffman, 118 Cedar Ave., Newark, N. J.
2CEG—H. A. Chinn, 210 W. 102d St., N. Y. City
2CEH—P. B. Willis, 1716 Melville Ave., N. Y. City
2CEI—R. Kraus, 2313 Fifth Ave., N. Y. City
2CEJ—C. W. Woodford, 34 Washington, Cedarhurst, N. Y.
2CEK—G. H. Robert, Jr., 78 Washington Av., Cohoes, N.Y.
2CEL—H. M. Harvey, 4 Eleanor St., Schenectady, N. Y.
2CEM—S. L. Hirschberg, 572 Morris St., Albany, N. Y.
2CEN—S. Dennis, Jr., 705 Broadway, Long Branch, N. J.
2CEO—J. H. Cornwall Barkers Pt., Port Washington, N. Y.
2CEP—C. C. Lloyd, 135—12th St., Troy, N. Y.
2CEQ—J. Israels, 147 W. 94th St., N. Y. City
2CER—C. B. Smith, 610 St. Marks Ave., Westfield, N. J.
2CES—F. J. Roach, 3044 Kings Bridge Ave., N. Y. City
2CET—W. La Forge, 421—72d St., Brooklyn, N. Y.
2CEU—J. Rippe, 482 Bainbridge St., Brooklyn, N. Y.
2CEV—J. Pascal, 85 Sherman Ave., Tompkinsville, N. Y.
2CEW—J. B. May, 26 W. 6th St., Bayonne, N. J.
2CEX—C. Fenz, 310 W. 123d St., N. Y. City.
2CEY—H. G. Gesswein, 221 Sherman, Roselle Pk., N. J.
2CEZ—G. Baumann, 332 Bloomfield, Hoboken, N. J.
2CF—A. E. Prince, 164 Beach 87th St., Rockway Beach, N. Y.
2CFA—C. A. Keiting, 205 Midwood, Brooklyn, N. Y.
2CFB—F. M. Weise, 545 Muriel Pky., Elizabeth, N. J.
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2CGF—H. B. Ellison, 41 Wallace St., Freeport, N. Y.
2CGG—H. J. McCollum 130 2nd Ave., Long Branch, N. J.
2CGH—M. Brush, Gardner Tr., Delmar, N. Y.
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2CIU—D. Mossberg, 1705 Anthony Ave., Bronx, N. Y.
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2CIX—Radio Club of Patterson H. S., Hamilton St., Patterson, N. J.
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2CNY—W. Van Alstyne, 550 Myrtle, Albany, N. Y.
2CNZ—D. Hulings, 175 Prospect Pl., Rutherford, N. J.
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2CSW—F. H. Wilson, 121-18 Jerome Av., Morris Pk., N.Y.
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2GV—C. J. Ripperger, 147 Wisner, Middletown, N. Y.
2GW—G. L. Herman, Sayville, Long Island, N. Y.
2GX—Y. M. Heb. A., 92d & Lexington Ave., N. Y. City
2GY—F. X. Hayes, 162 E. 82d St., N. Y. City
2GZ—R. C. Barnes, 916 E. 179th St., N. Y. City
2HA—W. H. Sands, 80 Forser Ave., Mount Vernon, N. Y.
2HB—H. L. Brown, 152 S. Broadway Yonkers, N. Y.
2HC—G. Y. Peck, 85 Sterling St., Brooklyn, N. Y.
2HD—K. C. Underwood, 54 N. 11th S., Newark, N. J.
2HE—W. R. Leroy, 201 Beach St., Bed Bank, N. J.
2HF—C. W. Coote, 2390 Davidson Ave., N. Y. City
2HG—G. W. Krueger, 73 Lincoln Park, Newark N. J.
2HH—R. P. Pierson, 842 Lake St., Newark, N. J.
2HI—H. I. Becker, 185 Division St., Schenectady, N. Y.
2HJ—H. J. Hasbrouck, 71 Elmont, Port Chester, N. Y.
2HK—H. Geitz, 1926 Bleecker St., Bidgewood, N. Y.
2HL—M. Dreyfus 154 Fairmont Ave., Newark, N. J.
2HM—C. A. McKee, Broad St., Bloomfield, N. J.
2HN—C. H. Burch, 149—6th St., Greenport, N. Y.
2HO—W. B. Lyons, 305—5th St., Greenport, N. Y.
2HP—H. Nitzel, 285 Second Ave., Astoria, N. Y.
2HQ—F. Doscher, 148 Fisher Ave., White Plains, N. Y.
2HR—B. E Carman, 31 Atlantic Ave., Freeport, N. Y.
2HS—D. Van Brakle, 83 Maple Pl., Keyport, N. Y.
2HT—H. W. Ticknor, 316 Mt. Prospect, Newark, N. J.
2HU—G. Hotchkiss, 146 Halsey St., Brooklyn, N. Y.
2HV—E. D. Blodgett, 335 Rugby Rd., Brooklyn, N. Y.
2HW—F. M. Hanna, 1211 Hutton St., Troy, N. Y.
2HX—H. Alexander, 838 Riverside Dr., N. Y. City
2HY—N. M. Smith, 143 Norton Ave., Port Chester, N. Y.
2HZ—A. F. Clough, 1983 Broadway, N. Y. City
2IA—V. Bremer, 3613 Boulevard, Jersey City, N. J.
2IB—T. V. Geoghegan, Pleasant Ave. Athenia, N. Y.
2IC—W. D. Mitchell, 18 Union St., Ridgewood, N. Y.
2ID—F. H. Schubert, Thatcher Ave., Harrison, N. Y.
2IE—H. A. Benzing, 802 E. Jersey St., Elizabeth, N. J.
2IF—I. H. Bates, 1428 Parker St., N. Y. City
2IG—W. K. Caughey, 25 Mada Ave., W. N. Brighton, N. J.
2IH—L. Samuels, 43 Treacy Ave., Newark, N. J.
2II—W. J. Howell, 1746—55th St., Brooklyn, N. Y.
2IJ—W. Weller, 946 College Ave., N. Y. City
2IK—O. L. Davis, 1337 South Blvd., N. Y. City
2IL—G. C. McClintock, 319 Dudley Ave., Westfield, N. J.
2IM—H. E. Smith, Riverside Park, Peekskill, N. Y.
2IN—G. T. Droste, 203 E. 202d St., N. Y. City
2IO—R. B. Cunningham, 60 Park Pl., South Orange, N. J.
2IP—W. E. Ashmall Jr., 11 Pavonia, Arlington, N. J.
2IQ—F. A. Gritzner, 145 Waverly Pl., N. Y. City
2IR—J. W. Hubbard, 327 King St., Port Chester, N. Y.
2IS—H. T. Daily, 25 Lydecker St., Nyack, N. Y.
2IT—N. C. Cowper, 454 Merrick Rd., Lynbrook, N. Y.
2IU—H. Westphal, 159 Forley St., Elmhurst, N. Y.
2IV—W. H. Anderson 41 Palisade Ave., Garfield, N. J.
2IW—J. B. Worth, Cresskill, N. J.
2IX—F. G. Tallman, Jr., 158 Harrison, East Orange, N. J.
2IY—A. Dougan, 26 Spencer Ave., Lynbrook, N. Y.
2IZ—M. G. Kilhorn, 349 Valley Rd., West Orange, N. J.
2JA—D. Carruthers 135 Waverly Pl., N. Y. City
2JB—W. J. Miller, 126 Orient Ave., Jersey City, N. J.
2JC—J. S. Dunham, 73 Edgewood Ave., Larchmout, N. Y.
2JD—J. F. Rodenbach, 171 Norfolk, Man. Beach, Brooklyn
2JE—J. L. Eddy, Jr., 310 Highwood, Bidgewood, N. J.
2JF—A. C. Frey, 208 Freeman Ave., Jersey City, N. J.
2JG—J. E. Judson, 89—3d St., Keyport, N. J.
2JH—W. B. Fricke, 156 N. Arlinton, E. Orange, N. J.
2JI—R. P. Morris, Grosvenor St., Douglaston, N. Y.
2JJ—E. B. Cullen, 626—45th St., Brooklyn, N. Y.
2JK—A. H. Bardewyck, 30 Bay 31st St., Brooklyn, N. Y.
2JL—J. Roemisch, 841 Lexington Ave., N. Y. City.
2JM—L. Tepel, Jr., 176 E. 109th St., N. Y. City
2JN—C. K. Atwater, 40 Oakwood, Up. Montclair, N. J.
2JO—V. De Dominicis, 286 William St., E. Orange, N. J.
2JP—H. M. Pruden, 141 N. 17th St., E. Orange, N. J.
2JQ—G. F. Abderholden, 659 Henry St., W. Hoboken, N. J.
2JR—R. E. Bogardus, 138 State St., Brooklyn, N. Y.
2JS—T. J. Smith, 624 Summerfield Av., Asbury Pk., N. J.
2JT—F. F. Dennis, Main St., Fair Haven, N. J.
2JU—C. J. Goette, 10938—115th St., Woodhaven, N. Y.
2JV—E. H. Berg, Main St., Pearl River, N. Y.
2JW—A. Wirth, 528 High St., Newark, N. J.
2JX—J. Cohen, 545 W. 158th St., N. Y. City
2JY—O. J. Goohs, 298 Palmetto St., Brooklyn, N. Y.
2JZ—C. F. Mueller, Jr., 112 Springfield, Elizabeth, N. J.
2KA—C. H. F. Hennig, 22 Wilson Ave., Newark, N. J.
2KB—E. A. Schabbehar, 358 Village, Rock. Centre, N. J.
2KC—R. W. Scofield, 4144—18th Ave., Brooklyn, N. Y.
2KD—W. S. Browne, 1565 E. 12th St., Brooklyn, N. Y.
2KE—F. M. Greene, 903 Ocean Ave., Brooklyn, N. Y.
2KF—H. D. Selvage, 45 Durand Place, Irvington, N. J.
2KG—W. H. Grace, Jr., Merrick Rd., Babylon, N. Y.
2KH—W. Solberg, 620—46th St., Brooklyn, N. Y.
2KI—J. Hoffman, 135 W. 116th St., N. Y. City
2KJ—T. C. Rives, Oceanport, N. J.
2KK—R. H. Hornlng 31 Westfield, Roselle Park, N. J.
2KL—A. V. Gregory, 105 Hudson Ave., Red Bank, N. J.
2KM—E. F. Jones, 311 Prospect St., Westfield, N. J.
2KN—J. K. Noble, 441 N. Broadway, Yonkers, N. Y.
2KO—W. A. Smith, 561 Midland, Midland Beach, N. Y.
2KP—S. Jackson, Jr., 345 W. 88th St. N. Y. City
2KQ—O. W. Lorini, 96 Highland Ave., Yonkers, N. Y.
2KR—M. B. Kahn, 600 W. 136th St., N. Y. City
2KS—E. M. Mowton, 70 Hillcrest Ave., Yonkers, N. Y.
2KT—Poly. Inst. of Brooklyn, 85 Livingston St., Brooklyn
2KU—O. Oelman, 29 New Jersey Ave., Brooklyn, N. Y.
2KV—W. A. Remy, 356 Desmund Ave., Bronxville, N. Y.
2KW—J. A. Plummer, 340 Orient Way, Rutherford. N. J.
2KX—R. W. Hendrickson, Jr., Littleworth Lane, Sea Cliff, N. Y.
2KY—E. Fazulak, 324 E. 19th St., N. Y. City
2KZ—K. W. Spalding, 501 Argyle Rd., Brooklyn, N. Y.
2LA—R. L. Fischer, 52 E. 41st St., N. Y. City
2LB—A. T. Newborg, 421 Brook Ave., N. Y. City
2LC—A. P. Roberts, Tenafly Rd., Tenafly, N. J.
2LD—F. Neuhardt, 47 Hamilton Terrace, N. Y. City
2LE—L. A. Brandt, 11 John St., Paterson, N. J.
2LF—W. D. Earnest, 161—6th Ave., West Roselle, N. J.
2LG—C. B. Adams, 179 Hudson Ave., Red Bank, N. J.
2LH—Lodox Storage Battery Co., 76—4th, Brooklyn, N. Y.
2LI—F. C. Meacham, 30 Linden Ave., Brooklyn, N. Y.
2LJ—H. A. Weber, 227 Oak St., Weehawken, N. J.
2LK—E. H. I. Lee, 311—60th St., Brooklyn, N. Y.
2LL—A. R. Benedict, Newburgh R. D. 1, Newburgh, N. Y.
2LM—A. Davidson, 543 W. 146th St., N. Y. City
2LN—C. P. Morrison, 2513 Catalta Ave., Glendale, N. Y.
2LO—N. Dunham, 103 S. 1st Ave., Highland Park, N. J.
2LP—Cecil J. Reed, 26 College Pl., Newark, N. J.
2LQ—G. F. Gaynor, 2 School St., Nyack, N. Y.
2LR—E. T. Erickson, Marion Ave., Harrison, N. Y.
2LS—E. Decker, 2100 Richm'd Ter., Pt. Richmond, N. Y.
2LT—N. C. Hall, 157 Boseville Ave., Newark, N. J.
2LU—G. Beluze, 308 Angelesque St., W. Hoboken, N. J.
2LV—C. E. Roberts, 406 High St., Perth Amboy, N. J.
2LW—E. Sieder, 55 Ward Pl., S. Orange, N. J.
2LX—I. W. Teitelbaum, 829 E. Houston St., N. Y. City
2LY—C. A. Wood, 353 Heberton Av., Pt. Richmond, N. Y.
2LZ—R. Schultz, 2261 Chatterton Ave., N. Y. City
2MA—E. Hasbrouck, 112 S. Main St., Ellenville, N. Y.
2MB—M. Press, 1740 Woodhaven Blvd., Woodhaven, N. Y.
2MC—R. H. McMann, 380 Riverside Dr., N. Y. City
2MD—Manney F. Dinovo, 8 Watervliet Ave., Albany, N. Y.
2ME—N. S. Kline, 565 W. 139th St., N. Y. City
2MF—Skilar, 1345 Washington Ave., N. Y. City
2MG—H. E. H. Knight, 251 Fenimore St., Brooklyn, N. Y.
2MH—E. E. Anderson, 23 Liberty St., Ridgewood, N. J.
2MI—Earle S. Morris, 1192 Dean St., Brooklyn, N. Y.
2MJ—G Ferre, 390 Oakland Ave., W. Brighton, N. Y.
2MK—W. J. Boche, 997 Sterling Pl., Brooklyn, N. Y.
2ML—A. M. Lustig, 6120—19th Ave., Brooklyn, N. Y.
2MM—P. M. Soden, 1282 Hancock St., Brooklyn, N. Y.
2MN—Philander H. Betts, 110—10th Ave., Belmar, N. J.
2MO—S. Tannenbaum, 155 Seigel St., Brook'yn, N. Y.
2MP—A. A. Herbert, 246 Highfield Lane, Nutley, N. J.
2MQ—T. B. Comstock, 195 Fernwood, Up. Montclair, N. J.
2MR—K. R. Smith, 39 Grant Ave., E. Roselle Pk., N. J.
2MS—J. B. Hunter, 910 Kilsyth Rd., Elizabeth, N. J.
2MT—A. W. Moses, 270 E. 161st St., N. Y. City
2MU—W. Schick, 2723 Cooper Ave., Brooklyn, N. Y.
2MV—J. J. Dane, 92—3d St., Keyport, N. J.
2MW—H. B. Wattson, 251 Union Ave., Rutherford, N. J.
2MX—C. B. Le Gallex, Slingerlands, N. Y.
2MY—E. K. Cohan, 601 W. 156th St., N. Y. City
2MZ—T. J. Mulvaney, 1911 Wht. Plns. Av., Van Nest, N.Y.
2NA—N. Aseltine, 209 Edgewood Ave., Westfield, N. J.
2NB—C. C. Cahn, 182 Pulaski St., Brooklyn, N. Y.
2NC—A. B. Tyrrell, Box 141, Moriches Rd., Riverh'd, N.Y.
2ND—C. Younger, 247 Neal Dow Av., Staten Island, N. Y.
2NE—A. H. Saxton, 211 Claremont Ave., Jersey City, N. J.
2NF—W. G. Mayer, N. Bath & Wilson Ave., L. Rr., N. J.
2NG—F. G. Mulcany, 263 E. Kingsbridge Rd., N. Y. City
2NH—H. E. Ballentine, 51 Ann St., Port Richmond, N. Y.
2NI—D. T. Buck, 116 W. Main St., Freehold, N. J.
2NJ—J. E. Rossner, 5 Ditson Pl., Albany, N. Y.
2NK—W. K. Johnson, 501 Jersey Ave., Spring Lake, N. J.
2NL—J. B. Buckman, 4 Hemlock Pl., New Rochelle, N. Y.
2NM—H. S. Blair, 210 Edward Ave., Long Branch, N. J.
2NN—J. J. Nightingale, 741 Market St., Paterson, N. J.
2NO—F. P. Merritt, 28 Spring St., Red Bank, N. J.
2NP—N. B. Foote, North Caldwell, N. J.
2NQ—A. Eisenman, Ridge St., Pearl River, N. Y.
2NR—L. R. Flynn, Lincoln Ave., Sayville, N. Y.
2NS—C. R. Doty, 928 Orchard St., Peekskill, N. Y.
2NT—E. F. Glavin, 64 Scarsdale Ave., Yonkers, N. Y.
2NU—H. M. Henry, 9 Park Rd., Maplewood, N. J.
2NV—F. S. Miller, 312—4th St., Union Hill, N. J.
2NW—Harris Suspender Co., 1450 Flushing, Brooklyn, N.Y.
2NX—E. J. Costello, 1222 Hatch Ave., Ozone Park, N. Y.
2NY—N. Gray, 301 St. Nicholas Ave., N. Y. City
2NZ—E. R. Raguse, 151 Main St., Tottenville N. Y.
2OA—L. P. Hammond, Tarrytown Rd., Valhalla, N. Y.
2OB—J. T. Harahan, Beach & 133d, Belle Harb., N. Y.
2OC—J. Henderson, 8 Pier St., Yonkers, N. Y.
2OD—R. R. Schleckser, 118 Fabyan Pl., Newark, N. J.
2OE—S. L. Raynor, Cottage Court, Freeport, N. Y.
2OF—H. H. Sampson, 307 Prospect St., Westfield, N. J.
2OG—A. B. O'Hara, 941 Washington Ave., N. Y. City
2OH—L. F. Barry, 519 W. 149th St., N. Y. City
2OI—H. E. Anderson, 60 Hanford St., Middletown, N. Y.
2OJ—B. Solarz, 1540—48th St., Brooklyn, N. Y.
2OK—O. Johnson, 501 W. 134th St., N. Y. City
2OL—R. L. Dougherty, 539 W. 155th St., N. Y. City
2OM—W. H. Ostman, 180 Broad St., Ridgewood, N. J.
2ON—E. F. Bona 82 Van Nostrand Av., Jersey City, N. J.
2OO—R. T. Hawkey, 29 Virginia Av., Poughkeepsie, N. Y.
2OP—J. J. Mulhern, Highlands, N. J.
2OQ—V. Hodge, 453 S. 6th Ave., Mt. Vernon, N. Y.
2OR—A. Soderstrom, 532 Pacific St., Brooklyn, N. Y.
2OS—Unassigned
2OT—W. C. Boerner, 34 Britton Ave., Elmhurst, N. Y.
2OU—T. J. Berger, 2626 Broadway, N. Y. City
2OV—Y. A. Golobe, 1248 St. Johns Pl., Brooklyn, N. Y.
2OW—W. H. Tinell, 20 Rutland Bd., Brooklyn, N. Y.
2OX—H. N. Trueb, Jr., 412 Shippen St., W. Hoboken, N. J.
2OY—J. Schanz, 230 E. 18th St., N. Y. City
2OZ—L. Jacquet, 916 Union St., Brooklyn, N. Y.
2PA—J. H. Woolley, 1743 Montgomery Ave., N. Y. City
2PB—B. Tyler, 79 Winthrop St., Brooklyn, N. Y.
2PC—C. J. Lee, 31 Leo Pl., Newark, N. J.
2PD—A. H. Hardwick, 35 E. Highland Av., Orange, N. J.
2PE—L. E. Clark, 98 Highwood Ave., Ridgewood, N. J.
2PF—D. Talianoff, 1435 E. 19th St., Brooklyn, N. Y.
2PG—P. Jasko, Freehold, N. J.
2PH—A. Kammer, 420 Elderts Lane, Brooklyn, N. Y.
2PI—J. W. Schmidt, 502 W. 143d St., N. Y. City
2PJ—A. E. Thomas, Jr., 147 Lincoln St., Jersey City, N. J.
2PK—H. Redel, 25 W. 71st St., N. Y. City
2PL—G. K. Thompson, 139 Maplewood Av., Maplew'd, N. J.
2PM—J. F. Christensen, 410—4th Ave., Troy, N. Y.
2PN—H. C. Berger, 33 Pennington Ave., Passaic, N. J.
2PO—W. T. Feeney, 819 McLean Ave., Yonkers, N. Y.
2PP—W. F. Scott, 207 N. 11th St., Newark, N. J.
2PQ—L. J. Wadsworth, 174 Alabama Ave., Brooklyn, N. Y.
2PR—K. J. Grover, Clifton Ave., Lakewood, N. J.
2PS—E. F. Lucas, Highlands, N. J.
2PT—C. H. Hammill, 208 Locust Av., Port Chester, N. Y.
2PU—J. L. Laly, 118—20th St., Guttenberg, N. J.
2PV—H. H. Ammenheuser, 6 Marshall St., Albany, N. Y.
2PW—W. Heilman, 753 Jefferson Ave., Brooklyn, N. Y.
2PX—W. D. Collins, 71 Monroe St., New Rochelle, N. Y.
2PY—C. J. Hunkins, 26 Washington Pl., Glen Ridge, N. J.
2PZ—H. Sadenwater, 1113 Union St., Schenectady, N. Y.
2QA—T. S. Humphrey, 2 Central Ave., Plainfield, N. J.
2QB—H. W. Blackford, 220 Park Ave., Plainfield, N. J.
2QC—E. C. Hubert, 517 Summit Ave., Westfield, N. J.
2QD—J. Benesh, 30th St., Beechhurst, Whitestone, N. Y.
2QE—S. L. Herdin, 21 Prescott Ave., Clifton, N. J.
2QF—G. T. Nolan, 449 E. 183d St., N. Y. City
2QG—A. E. Facks, 427—49th St., Brooklyn, N. Y.
2QH—A. Hess, 431 Sackman St., Brooklyn, N. Y.
2QI—A. C. Oechler, 82 Smith St., Irvington, N. J.
2QJ—[illegible] Werres, 964 State St., Schenectady, N. Y.
2QK—A. K. Ransom, 701 W. 179th St., N. Y. City
2QL—J. Hornung, 203 E. 64th St., N. Y. City
2QM—W. S. Willis, 347 W. 14th St., N. Y. City
2QN—H. L. Estberg, 111 Underhill Ave., Brooklyn, N. Y.
2QO—M. H. Leitch, 32 South Park Drive, W. Orange, N. J.
2QP—R. J. Kaufmann, 7 Fastoria St., Highland Falls, N.Y.
2QQ—F. Burnham, 1801 Dorchester Rd., Brooklyn, N. Y.
2QR—H. H. Robinson, 13 Walnut St., Keyport, N. J.
2QS—T. S. Humphrey, 102 Central Ave., Plainfield, N. J.
2QT—J. S. Dufford, 615 S. 20th St., Newark, N. J.
2QU—J. S. Osborne, 164 Union Ave., Belleville, N. J.
2QV—H. A. DePalma, 631 Edgecombe Ave., N. Y. City
2QW—A. D'Amico, 521 Grand St., N. Y. City
2QX—W. E. Gerhart, 354 Fulton St., Elizabeth, N. J.
2QY—V. Tassi, 3091 Webster Ave., N. Y. City
2QZ—J. H. Zimmer, 81 Carman Ave., Lynbrook, N. Y.
2RA—R. Anders, 387 Autumn Ave., Brooklyn, N. Y.
2RB—W. H. Reuman, 38—5th St., Woodside, N. Y.
2RC—C. Young, 68 Linden St., Schenectady, N. Y.
2RD—P. W. Fuelling, 538—3d St., Carlstadt, N. J.
2RE—H. Fass, 34 Grove St., Plainfield, N. J.
2RF—C. M. Springer, 59 Gerry Ave., Elmhurst, N. Y.
2RG—D. S. Lockwood, 64 Elizabeth St., Keyport, N. Y.
2RH—L. Reiss, 580 W. 161st St., N. Y. City
2RI—Unassigned
2RJ—D. S. Roche, 237 Elm St., Richmond Hill, N. Y.
2RK—Unassigned
2RL—V. F. Camp, South Bay Ave., Brightwaters, N. Y.
2RM—F. A. Maher, 4903—6th Ave., Brooklyn, N. Y.
2RN—H. C. Grant, Jr., 470 W. 159th St., N. Y. City
2RO—H. Rochrich, 2 Belmont Ave., Garfield, N. J.
2RP—J. A. Lynd, Nassau, N. Y.
2RQ—A. Schellhorn, 821 Argyle Rd., Brooklyn, N. Y.
2RR—C. A. Kaufman, 777—14th Ave., Paterson, N. J.
2RS—M. J. Schaefer, 604 W. 135th St., N. Y. City
2RT—L. O. Cross, 184 Linden Ave., Middletown, N. Y.
2RU—C. E. Huffman, 28 Union St., Montclair, N. J.
2RV—J. V. Candido, 384 E. 26th St., Brooklyn, N. Y.
2RW—H. W. Baily, Summer St., Harrison, N. Y.
2RX—J. Jacobs, 65 W. 127th St., N. Y. City
2RY—R. L. Glover, 8772—113th St., Richmond Hill, N. Y.
2RZ—H. McEntee, 16 Hanks Ave., Ridgewood, N. J.
2SA—J. P. Holder, 467½ Quincy St., Brooklyn, N. Y.
2SB—C. E. Coward, 10318—112th St., Richm'd Hill, N. Y.
2SC—J. J. Stanley, 241 Arlington Ave., Jersey City, N. J.
2SD—O. Dickinson, Park Pl., Hyde Park, N. Y.
2SE—C. P. Van Duzer, 34 Marion, Tompkinsville, N. Y.
2SF—A. S. Kollock, 9133—120th St., Richm'd Hill N. Y.
2SG—F. T. May, 143 High St., Montclair, N. J.
2SH—H. S. Schanck, 137 Maple Pl., Keyport, N. J.
2SI—E. F. Pfluger, 4038 Barnes Ave., N. Y. City
2SJ—K. W. Schlitz, 28 Jefferson St., Brooklyn, N. Y.
2SK—W. Woodrow, 3-7 W. 138th St., N. Y. City
2SL—B. Trotsky, 308 W. 147th St., N. Y. City
2SM—J. E. Johnston, 4306 Martha Ave., N. Y. City
2SN—G. Thurston, 26—7th Ave., N. Y. City
2SO—Unassigned
2SP—G. Bleilevens, 318—33d St., Woodcliff-on-Hud., N.Y.
2SQ—F. B. Hiler, 56 Monte Vista Pl., Ridgewood, N. J.
2SR—R. I. Gratzner, 802 W. 181st St., N. Y. City
2SS—G. E. Burghhard, 1 E. 93d St., N. Y. City
2ST—W. King, 11 Landon Tr., Schenectady, N. Y.
2SU—G. Fink, 315 Lenox Bd., Brooklyn, N. Y.
2SV—C. Manning, 74 Eagle St., Troy, N. Y.
2SW—S. P. Suffin, 1412 Charlotte St., N. Y. City
2SX—G. H. Sutton, 323 Crooks Ave., Paterson, N. J.
2SY—W. H. Bickel, 130 Jerome Pl., Bloomfield, N. J.
2SY—H. W. Muller, 203 E. 71st St., N. Y. City
2SZ—L. S. Inskip, Rensselaer Poly. Inst., Troy, N. Y.
2TA—F. Grunaller, 873 Broadway Brooklyn, N. Y.
2TB—W. Ehrhardt, Jr., 2079 Mapes Ave., N. Y. City
2TC—J. B. Miklewitz, 876 E. 179th St., N. Y. City
2TD—T. M. Dugan, 14 Elm Pl., Bed Bank, N. J.
2TE—V. H. Bentzig, 10441—90th Ave., Richm'd Hill, N. Y.
2TF—G. E. Franklin, 159 Augustine Ave., Schenectady
2TG—E. S. Follwell, 122 Maplewood, Maplewood, N. J.
2TH—T. F. Hunter, 921 Summit Pl., Elizabeth, N. J.
2TI—J. A. Francis, 133 Bank St., Newark, N. J.
2TJ—J. P. Thornton, 922 Central Ave., Westfield, N. J.
2TK—Unassigned
2TL—W. F. Mayer, 415 Jane St., West Hoboken, N. J.
2TM—J. Mindick, 158 Columbia Ave., Newark, N. J.
2TN—L. P. Hanser, 1477 Bushwick Ave., Brooklyn, N. Y.
2TO—R. S. Otto, 730 Sherman Ave., Plainfield, N. J.
2TP—H. G. A. Musterman, 10 Pulin Blvd., Leonia, N. J.
2TQ—H. Tofft, 282 Oak St., Perth Amboy, N. J.
2TR—C. F. Good, 9 Kingman Rd., S. Orange, N. J.
2TS—T. E. Schreyer, 21 Sanford Pl., W. N. Brighton, N. Y.
2TT—A. Rechert, 181 Waverly Pl., N. Y. City
2TU—H. A. Kienzle, 501 E. 84th St., N. Y. City
2TV—J. Cohen, 235 W. 115th St., N. Y. City
2TW—J. M. Sackheim, 516 W. 174th St., N. Y. City
2TX—J. P. McClary, 88 Front St., Keyport, N. J.
2TY—G. H. Poling, 105 Beer St., Keyport, N. J.
2TZ—I. Helpern, 847 Kelly St., N. Y. City
2UA—R. W. E. Decker, 100 Greenridge, White Plns., N. Y.
2UB—J. A. Bergner, 1121 E. 10th St., Brooklyn, N. Y.
2UC—C. B. Urban, 515 St. Marks Ave., Westfield, N. J.
2UD—U. B. Ross, 1957—61st St., Brooklyn, N. Y.
2UE—J. A. Erhard, 311 Maple St., W. Hoboken N. J.
2UF—G. Wennemer, 1784 Eastburn Ave., N. Y. City
2UG—L. E. Bonduanx, 924 E. 169th St., N. Y. City
2UH—H. L. Bock, 253 W. 149th St., N. Y. City
2UI—H. E. Hotaling, 1 Washington Ave., Schenectady
2UJ—A. H. Knights, 862 Hewitt Pl., N. Y. City
2UK—R. C. Kenyon, Jr. 29 Adelaide, New Bruns., N. J.
2UL—C. L. Wood, 305 Willow Ave., Lyndhurst, N. J.
2UM—G. F. Mudgett, 698 E. 22d St., Brooklyn, N. Y.
2UN—M. G. Pawley, 513—2d Ave., Asbury Park, N. J.

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2UO—B. W. Hever, 45 N. Fullerton Ave., Montclair, N. J.
2UP—C. H. Phelps, Jr., Cedar Lane, Bronxville, N. Y.
2UQ—E. D. Hallett, 86 Prospect St., Rutherford, N. J.
2UR—Radio Club of Irvington, 17 Marion, Irvington, N. J.
2US—W. H. Hannah, 34 Irving St., Montclair, N. Y.
2UT—J. J. Taylor 23 Lowell Rd., Schenectady, N. Y.
2UU—L. Bennett, Franklin St., Harrison, N. Y.
2UV—G. E. Oliver, 200 Avenue C, Bayonne, N. J.
2UW—C. N. Macpherson, 50 Grant Ave., Lynbrook, N. Y.
2UX—M. W. Woodman, N. Y. University, N. Y. City
2UY—L. Kipp, 4103—7th Ave., Brooklyn, N. Y.
2UZ—A. C. Olsen, 1016 Summit Ave., N. Y. City
2VA—F. M. Schussel, 395 Jamaica Ave., Astoria, N. Y.
2VB—L. B. Jamison, 195 W. Lawrence St., Albany, N. Y.
2VC—R. H. Van Camp, 713 Grove, Point Pleasant, N. J.
2VD—M. Loos, 150 Franklin Pl., Flushing, N. Y.
2VE—W. E. Fausel, 70 Merchant St., Newark, N. J.
2VF—E. Koch, Jr., 168 Willis Ave., Bronx, N. Y.
2VG—R. Goldman, 330 E. 80th St., N. Y. City
2VH—P. Hans, 1814 Grand Concourse, N. Y. City
2VI—C. P. Fitch, 301—2d Ave., Asbury Pk., N. J.
2VJ—F. Jaeger, 513 E. 138th St., N. Y. City
2VK—E. V. Amy, 48 W. 70th St., N. Y. City
2VL—V. H. Lamarche, 18 Reckless Pl., Red Bank, N. J.
2VM—P. T. Brown, 1808 Grand Concourse, N. Y. City
2VN—F. M. Squire, 650—52d St., Brooklyn, N. Y.
2VO—H. Purvis, Jr., 500 W. 173d St., N. Y. City
2VP—R. W. Hunter, 900 Fix St., N. Y. City
2VQ—J. J. Agnoli, 16 Purvis St., L. I. City, N. Y.
2VR—S. Carpenter, 295 S. Main St., Freeport, N. Y.
2VS—H. W. Schaefer, 349 E. 65th St., N. Y. City
2VT—H. A. Kinderwatter, 16 S. F St., Irvington, N. Y.
2VU—J. F. Campbell, 342 Clifton Ave., Newark, N. J.
2VV—C. G. Schaum, 551 W. 172d St., N. Y. City
2VW—C. W. Vollmer, 941 Washington Ave., N. Y. City
2VX—G. W. McCarthy, 1012 Sutter Ave., Brooklyn, N. Y.
2VY—R. Carlisle, 511 W. 143d St., N. Y. City
2VZ—E. Krause, 111—26th St., Guttenberg, N. J.
2WA—D. J. Pieri, 154 E. 175th St., N. Y. City
2WB—H. J. Fogetti, 7421 Narrow Ave., Brooklyn, N. Y.
2WC—S. P. McMinn, 101 Lenox Rd., Brooklyn, N. Y.
2WD—H. L. Demuth, 82 Wadsworth Ave., N. Y. City
2WE—A. R. Heydon, 403 Decatur St., Brooklyn, N. Y.
2WF—R. F. Weinacht, 366 Amsterdam Ave., N. Y. City
2WG—H. A. Thompson, 683 E. 3d St., Brooklyn, N. Y.
2WH—H. L. Bogardus, 215 Virginia Ave., Jersey City, N. J.
2WI—R. N. Anderson, 353 Warburton Ave., Yonkers, N. Y.
2WJ—G. P. West, Railroad Ave., Sayville, N. Y.
2WK—G. J. Caggiano, 245 Pacific St., Brooklyn, N. Y.
2WL—W. C. Houghton, 135 Ward Pl., S. Orange, N. J.
2WM—W. Leyh, 5048 Chichester, Richmond Hill, N. Y.
2WN—K. T. Bainbridge 823 Riverside Dr., N. Y. City
2WO—R. F. Guy, 17 Maple Ct., Brooklyn, N. Y.
2WP—C. O. Spannaus, 25 Saratoga Ave., Yonkers, N. Y.
2WQ—A. Koerner, 203 E. 104th St., N. Y. City
2WR—A. G. Wester, Jr., 1075 Chancellor, Hillsor, N. J.
2WS—H. W. Sievering, 54 Nairn Pl., Newark, N. J.
2WT—J. K. McKenna, 134 Shonnard Tr., N. Y.
2WU—W. Sheridan, 80 Delaney St., N. Y. City
2WV—W. Wilson, 42 Hathaway Ave., Deal Beach, N. J.
2WW—W. W. Stein, 48 W. Van Vechten, Albany, N. Y.
2WX—W. W. Allin, 37 N. Spring St., Elizabeth, N. J.
2WY—M. R. McLeod, 515—5th St., Brooklyn, N. Y.
2WZ—J. A. Stobbe, 651 E. 23d St., Brooklyn, N. Y.

Special Radio Stations in the Second District

2XA—E. M. Kinney, Schenectady, N. Y.
2XAA—Radio Corp. of America, Port Richmond, N. Y.
2XAB—Radio Corp. of Amer., Pt. Richm'd, N. Y., No. 4, (tugboat)
2XAC—Ship Owners Radio Service, Woodside, N. Y.
2XAD—Ship Owners Radio Service, Jersey City, N. Y.
2XAE—International Radio Teleg. Co., N. Y. City
2XAG—Ware Radio Co., N. Y. City
2XAI—Westinghouse Test Station, Newark, N. J.
2XAJ—D. L. & W. R. R. Co., Hoboken, N. J.
2XAK—I. R. Neyson Co., Newark, N. J.
2XAL—Int. News Service Co., 21 Spruce St., N. Y. City
2XAM—Radio Corp. of America, 233 Broadway, N. Y. City
2XAN—H. Alexander, 20 W. 34th St., Great Neck, N. Y.
2XAO—Radio Corp. of America, 233 Broadway, N. Y. City
2XAQ—J. O. Smith, 3 Corona Ave., Valley Stream, N. Y.
2XAR—D. W. May, 325 Central Ave., Newark, N. J.
2XNA—City College Radio Club, N. Y. City
2XNB—Townsend Harris Hal Radio Club, N. Y. City
2XB—Western Electric Co., N. Y. City
2XC—Ware Radio Co., N. Y. City
2XD—Ware Radio Co., N. Y. City
2XE—A. H. Grebe & Co., Richmond Hill, N. Y.
2XF—Western Electric Co., Cliffwood, N. J.
2XG—De Forest Radio Tel. & Tel. Co., N. Y. City
2XH—Cutting & Washington Radio Corp., Woodmere, N.Y.
2XI—General Electric Co., Schenectady, N. Y.
2XJ—Western Electric Co., Elberon, N. J.
2XK—L. M. Cockaday Co., N. Y. City
2XL—Tarrytown Radio Lab., Tarrytown, N. Y.
2XM—Columbia University, N. Y. City
2XN—College of the City of New York, N. Y. City
2XO—W. G. Hudson, N. Y. City
2XP—L. G. Pacent, Winfield, N. Y.
2XQ—N. Y. Union College, Schenectady, N. Y.
2XR—Marconi Wireless Tel. Co. of Am., Roselle Pk., N. Y.
2XS—R. C. A., 233 Broadway, N. Y. City
2XT—Lowenstein Radio Co., Brooklyn, N. Y.
2XU—Am. Radio News Corp., 21 Spruce St., N. Y. City
2XV—Western Electric Co., Glenridge, N. J.
2XW—Western Electric Co., N. Y. City
2XX—De Forest Radio Tel. & Tel. Co., Ossining, N. Y.
2XY—American Tel. & Tel. Co., 24 Walker St., N. Y. City
2XZ—Fordham University, N. Y. City
2YA—Knights of Columbus, Camp Dix, N. J.
2YB—B. B. Brownlee, N. Y. City
2YM—East Side Y. M. C. A., N. Y. City
2YT—Marconi Institute, N. Y. City
2ZC—H. L. Leeb, South Orange, N. J.
2ZD—Ship Owners Radio Service, Woodside, N. Y.
2ZE—P. F. Godley, Port Chester, N. Y.
2ZG—National Amateur, N. Y. City
2ZH—A. A. Herbert, Nutley, N. J.
2ZK—G. C. Cannon, New Rochelle, N. Y.
2ZL—J. Owen Smith, Valley Stream, N. Y.
2ZM—L. Spangenburg, Clifton, N. J.
2ZV—A. H. Grebe & Co., Richmond Hill, N. Y.

Amateur Radio Stations of the Third District

Headquarters, Customhouse, Baltimore, Md. The third district comprises all the counties in New Jersey not included in the second district. All counties south of the Blue Mountains in Pennsylvania; the states of Delaware, Maryland, Virginia and the District of Columbia.

3AA—D. L. Primrose, 1 Lawyers Hill Rd., Elkridge, Md.
3AAA—Unassigned
3AAB—W. T. Scott, 1340 Cocoran St., Washington, D. C.
3AAC—J. E. Emmer, 1629 Bentalou St., Baltimore, Md.
3AAD—E. Y. Gaskill, 1160 Princess Ave., Camden, N. J.
3AAE—Dr. E. H. Velutini, 3d, 1931 N. 23d, Phila., Pa.
3AAF—J. J. Curry, 1559 Moss St., Reading, Pa.
3AAG—G. Butler, 228 Hurley Ave., Hilton Village, Pa.
3AAH—J. Bell 20 Abbott Ave., Morristown, N. J.
3AAI—C. Kunsmore, 607 N. 12th St., Reading, Pa.
3AA—C. Gerhart, 212 Main St., Pennsburg, Pa.
3AAK—R. C. Myers, 305 Baltimore St., Hanover, Pa.
3AAL—B. Gernert, 744 Washington St., Huntingdon, Pa.
3AAM—R. Long 4 Howard Ave., Catonsville, Md.
3AAN—G. P. Hamilton, 108 Pine St., Millville, N. J.
3AAO—L. M. Dunnam, 2377 Champlain St., Washington, D. C.
3AAQ—R. T. Penney, 280 S. Frazier St., Philadelphia, Pa.
3AAR—F. J. Homsher, Temis Above Spruce,N.Glenside,Pa.
3AAS—Unassigned
3AAT—J. C. Van Horn, 6043 Columbia Ave., Phila., Pa.
3AAU—L. P. Cooper, 3606 Central Ave., Ocean City, N. J.
2AAV—W. T. & L. H. Gerson, 4101 Sanson St., Phila., Pa.
3AAW—L. T. Clifford, 106 Sutton Road, Ardmore, Pa.
2AAX—R. H. Frey, 23 New St., Bangor, Me.
3AAY—R. C. Weigel 49 S. Queen St., York, Pa.
3AAZ—St. Lukes School Radio Club, Wayne, Pa.
3AB—A. B. Goodall, 1824 Ingleside Terrace, Wash., D. C.
3ABA—C. A. Barclay, 631 Seitz Ave., Easton, Pa.
3ABB—H. T. Rights, Franklin & Wilson, Pottstown, Pa.
3ABC—O. B. Wintermute, 64 Mill St., Newton, N. J.
3ABD—G. F. Swayze, 716 Front St., Danville, Pa.
3ABE—E. Stanko, Sugar St., Hooversville, Pa.
3ABF—A. H. Albert, 353 Stockton St., Hightstown, N. J.
3ABG—Unassigned
3ABH—C. Wolf, Jr., 1521 N. 16th St., Philadelphia, Pa.
3ABI—S. Kruse, 2637 Garfield St., NW., Wash., D. C.
3ABJ—W. A. Poppe, 11 Girard Ave., N. E., Wash., D. C.
3ABK—A. C. Slickers, 2816 N. 11th St., Philadelphia Pa.
3ABL—E. L. Chalmers, 125 Burk Ave., Wildwood, N. J.
3ABM—J. M. Landis, 19 York St., Bridgeton, N. J.
3ABN—F. S. Kurtz, 530 Tyler Ave., Trenton, N. J.
3ABO—G. R. Hartman, 440 Mulberry St., Reading, Pa.
3ABP—C. W. Crouse, 13 Cleveland Ave., Waynesboro, Pa.
3ABQ—E. N. McCullough, 213 N. Wanamaker, Phila, Pa.
3ABR—H. Gallagher, 814 First St., NE., Wash., D. C.
3ABS—E. F. Schwartz, 605 Mattoax, St. Petersburg, Va.
3ABT—W. R. Deavers, 1815a W. Main St., Richmond, Va.
3ABU—R. Boyer, 28 Eichelberger St., Hanover, Pa.
3ABV—C. C. Stahl, Bowers Ave., Lemoyne, Pa.
3ABW—J. L. Barnes, 113 Mansion Ave., Haddonfield, N. J.
3ABX—I. Vincent, 305—7th St., Ocean City, N. J.
3ARY—T. H. Shaw, 128 E. Upsal St., Mt. Airy, Phila., Pa.
3ABZ—E. R. Boericke, Price & Narbrook, Narberth, Pa.
3AC—D. P. Shafer 2107 Bolton St., Baltimore, Md.
3ACA—A. C. Gilbert, 305—7th St., Ocean City, N. J.
3ACB—E. A. Farrington, 2520 Wesley, Ocean City, N. J.
3ACC—H. R. Brokaw, R. F. D. No. 2, Nehania Sta., N. J.
3ACD—F. M. Nolan, 237 State St., Hamburg, Pa.
3ACE—C. P. Koon 1108 Wash. St., Portsmouth, Va.
3ACF—W. B. Flaherty, 2377 Champlain, NW., Wash.,D.C.
3ACG—T. F. Smith, Jr., 1632 S St. NW., Wash., D. C.
3ACH—Unassigned
3ACI—J. Rostick, 2828 N. Memphis St., Phila., Pa.
3ACJ—R. J. Peters, Chestnut St., Waynesboro, Pa.
3ACK—J. P. Belton, 239 W. Main St., Moorestown, N. J.
3ACL—Unassigned
3ACM—Unassigned
3ACN—G. Y. Doehme, (Temple), R. F. D. 1, Rosedale, Pa.
3ACO—M. Telfibo, 15 W. Stiles St., Collingswood, N. J.
3ACP—C. E. Malsberger, 1746 Chew St., Allentown, Pa.
3ACQ—L. R. Evans, 272 LeCato Ave., Audubon, N. J.
3ACR—F. Gilmartin, 1602 Ritner St., Philadelphia, Pa.
3ACS—G. V. Thomas, South Hill, Whitford, Pa.
3ACT—Unassigned
3ACU—R. Slavin, 1910 Moore St., Philadelphia, Pa.
3ACV—A. Krouse, 1221 Marlborough St., Philadelphia, Pa.
3ACW—R. B. Scheffey, 544 Swain St., Bristol, Pa.
3ACX—C. H. Monroe, 25 S. Mt. Vernon, Atl. City, N. J.
3ACY—J. E. Poist, 24 E. Middle St., Hanover, Pa.
3ACZ—A. Schmick, 514 N. Ninth St. Camden, N. J.
3AD—B. Van Ness, 823 Park Ave., Baltimore, Md.
3ADA—G. E. Hicks, 181 Spring St., Newton, N. J.
3ADB—E. S. Borrell, 404 Gowen Av., Mt. Airy, Phila.,Pa.
3ADC—D. G. Robinhold, 412 Haddon Ave., Camden, N. J.
3ADD—Unassigned
3ADE—L. E. Elicker, Jr., 1192 Railey St., Harrisburg, Pa.
3ADF—F. Bicksell, Jr., 804 Cinnamon Ave., Palmyra, N. J.
3ADG—R. L. Fisher, 28 E. North Ave., Bethlehem, Pa.
3ADH—J. Jennings, 9 Hillairy Ave., Morristown, N. J.
3ADI—A. R. Muncey, 659 N. Market St., W. Phila., Pa.
3ADJ— H. C. Derby, 2676 Fourth St., Norfolk, Va.
3ADK—E. Grace, State St., Newtown Pa.
3ADL—R. Mattia, 765 S. Tenth St., Philadelphia, Pa.
3ADM—J. N. Dow, 4914 Osage Ave., Philadelphia, Pa.
3ADN—E. Reese, 667 Preton St., Philadelphia, Pa.
3ADO—F. W. Merganthaler, 246 W. Wyoming Ave., Germantown, Phila., Pa.
3ADP—J. W. Burn, 203 W. 24th St., Chester, Pa.
3ADQ—E. E. Miles, 206 W. 24th St., Chester, Pa.
3ADR—R. Thompson, 5613 Cedar Ave., Philadelphia, Pa.
3ADS—L. D. Stevens, 1251—56th St., Philadelphia, Pa.
3ADT—C. T. Asbury, Mestha, Oak Lane, Pa.
3ADU—G. A. Hay, Fairview Rd., Woodlyn, Pa.
3ADY—F. Shaw, 880 N. Markoe St., W. Phila., Pa.
3ADW—Unassigned
3ADX—J. S. Marsh, 7112 Sellers Ave., Bywood, Pa.
3ADY—J. G. Bates, Jr., 234 South St., Morristown, N. J.
3ADZ—J. A. O'Donnell, 74 W. Rockland St., Phila., Pa.
3AE—C. P. Burt, 6304 Overbrook Ave., Phila., Pa.
3AEA—W. N. Krebs, 2811 Chelsea T., F. P., Balto., Md.
3AEB—W. H. Wagner, 328 W. Franklin, W. Reading, Pa.
3AEC—C. M. Snyder, 404 Willow St., Bordentown, N. J.
3AED—C. Evans, 164 Oakland Ave., Audubon, N. J.
3AEE—M. Fox, Broadway & Duncan Sts., Westville, N. J.
3AEF—G. Weeden, 235 Maple Ave., Takoma Park, Md.
3AEG—Isaac Neveling, 2716 Fairmont Ave., Atl. City, N. J.
3AEH—H. Chait, 12 S. Broad St., Penns Grove, N. J.
3AEI—L. H. Ruehl, Jr., 6233 Webster St., Philadelphia, Pa.
3AEJ—J. M. Fox, Andalusia, Pa.
3AEK—E. A. Farrington, Jr., 435 Kings Highway, Haddonfield, N. J.
3AEL—J. C. Ragona, 1918 S. 12th St., Philadelphia, Pa.
3AEM—Unassigned
3AEN—S. Y. Warner, Jr., 120 Edgewood Rd., Ardmore, Pa.
3AEO—C. W. Hicks, R. F. D. 1, P. O. Roelofs, P. O., Pa.
3AEP—C. L. Cornell, Jr., 305 Hurley, Hilton Village, Pa.
3AEQ—Unassigned
3AER—J. Senior, 611 Ocean Ave., Ocean City, N. J.
3AES—T. L. Hodges, 4501 Liberty Hgts., Baltimore, Md.
3AET—W. S. Riggs, 216—8th Ave., Haddon Hgts, N. J.
3AEU—Unassigned
3AEV—A. S. Clarke, 893 Pine St., Danville, Va.
3AEW—W. L. Holt, 2925 N. 6th St., Philadelphia, Pa.
3AEX—G. K. Harbold, Lebanon High School, Lebanon, Pa.
3AEY—C. Wenger, 1320 Mt. Ephraim Ave., Camden, N. J.
3AEZ—L. G. Frierson, Jr., 1519 E. North, Baltimore, Md.
3AF—R. E. Peterson, 6017 Allman St., Philadelphia, Pa.
3AFA—R. Albright, 231 Lincoln Ave., Newton, Pa.
3AFB—R. T. Shaw, 1914 Park Drive, Wilmington, Del.
3AFC—K. Conover, 27 Mercer St., Sommerville, N. J.
3AFD—W. R. Day, 8 Phoenix Ave., Morristown, N. J.
3AFE—R. B. Godshalk, 51 Hillsdale Ave., Souderton, Pa.
3AFF—A. S. Worthington, R. F. D. No. 1, Yardley, Pa.
3AFG—W. A. Leyland, 4711 Virginia, Newport News, Va.
3AFH—H. A. Menyer, 1034 Court St., Reading, Pa.
3AFI—C. R. Nichuals, 6610 Limekiln Pike, Germantown, Philadelphia, Pa.
3AFJ—Unassigned
3AFK—J. M. Lynch, 19 Riddle Ave., Wilmington, Del.
3AFL—R. C. Mayo, 1903 Shallcross Ave., Wilmington, Del.
3AFM—Unassigned
3AFN—A. J. Wilkinson, 56 Mary St., Bordentown, N. J.
3AFO—J. D. Haig, 118 Maple Ave., Merchantville, N. J.
3AFP—T. L. Hopkins, 1524 Caroline, NW., Wash., D. C.
3AFQ—W. H. Oelschlager, 2074 Willard St., Phila., Pa.
3AFR—W. S. Garland, Hampton Institute, Hampton, Va.
3AFS—C. Lorber W. Park Ave., Vineland, N. J.
3AFT—A. P. Smith, 18 E. Madison St., Baltimore, Md.
3AFU—E. B. Judson, 4206 River Rd. NW., Wash., D. C.
3AFV—F. A. Middleton, 1329 Randolph, NW., Wash., D.C.
3AFW—A. R. McGonegal, 300 Clarendon, Clarendon, Va.
3AFX—Unassigned
3AFY—G. G. Young, 1222 Rush St., Philadelphia, Pa.
3AFZ—Miss Della F. Maskell, 70 Elm St., Bridgeton, N. J.
3AG—R. Weinwurm, 1223 N. Jessup St., Philadelphia, Pa.
3AGA—W. E. Laverty, 1015 Columbia St., Phila., Pa.
3AGB—N. Reeser, 238 E. Phila. St., York, Pa.
3AGC—R. Kutz 330 N. 10th St., Reading, Pa.
3AGD—Unassigned
3AGE—Unassigned
3AGF—R. W. Elmer, 230 E. Commerce St., Bridgeton, N. J.
3AGG—Unassigned
3AGH—D. G. White, Gwynodd, Pa.
3AGI—F. G. Delong, 141 Oley St., Reading, Pa.
3AGJ—R. A. Stratton, 416 Maple Ave., Audubon, N. J.
3AGK—Unassigned
3AGL—T. St. J. Porcher, Haverford School, Haverford, Pa.
3AGM—A. S. Ross, Jr., 428 Comley, Collingswood, N. J.
3AGN—W. N. Gross, 1714 S. 55th St., Phila, Pa.
3AGO—W. H. Barth, 4538 Thompson St., Phila., Pa.
3AGP—W. H. Packer, 28 Washington Pk., Westville, N. J.
3AGQ—H. R. Martin, Willow Grove Av., C. H., Phila., Pa.
3AGR—N. A. Bialy, 122 Woodlawn, Collingswood, N. J.
3AGS—Unassigned
3AGT—Unassigned
3AGU—J. C. Mong, R. F. D. 1, Smithsburg, Md.
3AGV—J. C. Donahue, 1939 N. 23rd St., Philadelphia, Pa.
3AGW—Unassigned
3AGX—C. Miraszewski, 127 S. 10th St., Reading, Pa.
3AGY—R. S. Clay, 3436 14th St., NW., Washington, D. C.
3AGZ—I. D. Maxwell, Barrett & Pine, Audubon, N. J.
3AH—Unassigned
3AHA—G. P. Houston, 3834 Reisterstown, Baltimore, Md.
3AHB—R. E. Locke, 344 Logan Ave., Audubon, N. J.
3AHC—G. K. Yeager, 2421 W. Clifford, Philadelphia, Pa.
3AHD—W. F. Wescott, 112 Lawnside, Colling-wood, N. J.
3AHE—H. D. Levin, 402 N. Sycamore St., Petersburg, Va.
3AHF—P. Naftzinger, 319 Rose St., Reading, Pa.
3AHG—G. A. Phillips, 1338 Cotton St., Reading, Pa.
3AHH—Unassigned
3AHI—T. A. Hill, 222 County St., Portsmouth, Va.
3AHJ—O. Shurts, 3 Maple Ave., Neshanic Station, N. J.
3AHK—A. W. Gieske, Jr., Edmonson Ave., Catonsville, Md.
3AHL—J. A. Staples, 43 Forest Hill, Richmond, Va.
3AHM—H. L. Carkhuff, Main St., South Branch, N. J.
3AHN—S. B. Taylor, 3109 Forest Hill S. Richmond, Va.
3AHO—C. P. Foy, 3573 Lafayette, East Falls, Pa.
3AHP—R. Fowler, 901 Rittenhouse, Washington, D. C.
3AHQ—A. J. Wilson, 4504 Pine St., Philadelphia, Pa.
3AHR—J. Bieberman, 1507 Mifflin St., Philadelphia, Pa.
3AHS—W. L. Baldwin, 5646 Larchwood, Philadelphia, Pa.
3AHT—C. W. Harvey, Bowie, Md.
3AHU—E. E. Blankenship 1532 1st St. NW., Wash., D. C.
3AHV—J. R. Call, 114 Walnut St., Haddonfield, N. J.
3AHW—R. B. Kay, Jr., Line Rd., Newton Square, Pa.
3AHX—B. Di Ulio, 1709 Seigel St., Philadelphia, Pa.
3AHY—A. W. Kramer, 321 Davis Rd., Llanerch, Pa.
3AHZ—G. W. Carns, 1134 S. 56th St., W. Philadelphia, Pa.
3AI—J. J. Casmay, 115 Columbia Ave., Phoenixville, Pa.
3AIA—G. G. Clamer, Collegeville, Pa.
3AIB—Unassigned
3AIC—Practical Arts Dept., Prac. Arts Bldg., Reading, Pa.
3AID—Unassigned
3AIE—R. Fairlamb, 315 S. Monroe St., Media Pa.
3AIF—A. E. Theis, 432 W. Hortter St., Philadelphia, Pa.
3AIG—P. L. Ditman, 51 Southern, Lauraville, Balto., Md.
3AIH—G. Grammer, 5903 Ellsworth, W. Philadelphia, Pa.
3AII—H. S. Wallen, Main St., Fairton, N. J.
3AIK—F. Trefz, 2649 Hawarth St., Philadelphia, Pa.
3AIL—L. De Castro, 102 Talmage Ave., Bound Brook, N. J.
3AIM—L. Schaefer, 206 Brobst St., Shillington, Pa.
3AIN—R. N. Lawton, 212 Porter St., Easton, Pa.
3AIO—Unassigned
3AIP—Unassigned
3AIQ—A. P. Johnson, 9 S. Dudley Pl., Ventnor City, N. J.
3AIR—D. C. Culbert, Marion, Va.
3AIS—H. H. Layton, 805 Washington St., Wilmington, Del.
3AIT—E. I. Johnson, 831 Rittenhouse, Washington, D. C.
3AIU—Unassigned

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3AIV—J. Williamson, Creen Village, Morris County, N. J.
3AIW—Unassigned
3AIX—E. S. Amerman, 311 Lafayette St., Easton, Pa.
3AIY—J. Gorman, 81 S. Bridge St., Somerville, N. J.
3AIZ—Sydney A. Jarvis, 815 Radcliffe St., Bristol, Pa.
3AJ—J. E. Wynkoop, 4054 Chestnut St., Philadelphia, Pa.
3AJA—S. I. Doucho, 2033 Washington, Wilmington, Del.
3AJB—M. Strieby, 112 Rutgers Ave., Swarthmore, Pa.
3AJC—C. J. Wood, 1513 John St., Baltimore, Md.
3AJD—E. J. Boneher, Coleraine Rd., Catonsville, Baltimore, Md.
3AJE—C. Nonnamaker, 3487 Jasper St., Philadelphia, Pa.
3AJF—J. E. Leipps, 148 Elm St., Reading, Pa.
3AJG—P. Breeden, 3rd, 105 Linden St., Richmond, Va.
3AJH—G. A. Schmidt, 1936 1st, N.W., Washington, D. C.
3AJI—W. McCreary, 2865 N. Stillman, Philadelphia, Pa.
3AJJ—W. L. Schultz, 1431 Harvard, NW., Wash., D. C.
3AJK—C. Cohee, 2124 N. Darien St., Philadelphia, Pa.
3AJL—H. C. Myers, 1551 E. Montgomery Ave., Phila, Pa.
3AJM—R. I. Wilson, 1706 Race St., Philadelphia, Pa.
3AJN—C. S. Lauer, 5832 Hazel Ave., Philadelphia, Pa.
3AJO—J. T. Ford, Maryland Ave., Hyattsville, Md.
3AJP—J. C. Meier, 2116 N. Franklin St., Philadelphia, Pa.
3AJQ—V. Duchossois, 926 W. Edgley St., Philadelphia, Pa.
3AJR—E. W. Stewart, Pitman, N. J.
3AJS—F. W. Moorhead, 1700 Regina St., Harrisburg, Pa.
3AJT—M. O. Olsen, 137 Evergreen Ave., Woodlynne, N. J.
3AJU—C. W. Moyer, 28 Vine St., Lansdale, Pa.
3AJV—F. MacIndoe, 3428 Queen St., East Falls, Pa.
3AJW—E. Upman, 1921 W. Fayette St., Baltimore, Md.
3AJX—A. Massey, Hilton Village, Va.
3AJY—Unassigned
3AJZ—H. G. English, 221 W. Pine St., Shamokin, Pa.
3AK—A. L. Frankenfield, 5301 Haverford Ave., Phila., Pa.
3AKA—L. E. Richwein, 208 Harmison St., Baltimore, Md.
3AKB—W. Nicklin, 114 Hoffman St., Trenton, N. J.
3AKC—N. C. Fallin, 1711 Pennsylvania, Wilmington, Del.
3AKD—G. A. Hofman, 2052 S. Broad St., Trenton, N. J.
3AKE—W. J. Kean, 166 East Ave., Bridgeton, N. J.
3AKF—E. N. Fox, 1607 S. Ithan St., Philadelphia, Pa.
3AKG—E. J. Coleman, 2917 Stonewall, S. Richmond, Va.
3AKH—Unassigned
3AKI—E. Rawa, 508 S. Wolfe St., Baltimore, Md.
3AKJ—W. Patterson, 18 N. Congress, Atlantic City, N. J.
3AKK—R. C. Miller, 1349 Linden St., Allentown, Pa.
3AKL—H. B. Thompson, 127 W. Durham, Mt. Airy, Pa.
3AKM—G. L. Oddy, Jr., 1122 Divinity Pl., Phila., Pa.
3AKN—A. E. Fitzpatrick, 721 Shedwick St., Phila, Pa.
3AKO—F. A. McGarry, 6030 Christian St., W. Phila., Pa.
3AKP—C. Kaninoff, 2224 S. Mitford St., Phila., Pa.
3AKQ—W. T. Clark, 9 E. Irving St., Chevy Chase, Md.
3AKR—C. G. McConomy, 34 N. Wycombe, Lansdowne, Pa.
3AKS—T. N. Cox, 1729 W. North Ave., Baltimore Md.
3AKT—E. Sachsenmaier, Waring & H. S. Rds., Elkins Pk., Pa.
3AKU—E. S. Jones, E. Wanamaker St., Wyncote, Pa.
3AKV—R. Towell, 24 N. New Hampshire, Atlantic City.
3AKW—A. B. Hanger, 501 Chestnut Ave., Waynesboro, Va.
3AKX—Unassigned
3AKY—G. E. Heisley, 404 Shepherd St., Washington, D.C.
3AKZ—Unassigned
3AL—C. E. Sener, Jr., 2706—21th St., NW., Wash., D.C.
3ALA—N. G. Stevens, S. Main St., Woodstown, N. J.
3ALB—Oliver M. Lewis, 415—9th St., N.E., Charlottesville, Pa.
3ALC—R. F. Robbins, 5244 Rising Sun Ave., Phila., Pa.
3ALD—J. E. Williams, Bonsall Ave., Fernwood, Pa.
3ALE—R. M. Krauss, 2028 N. 19th St., Philadelphia, Pa.
3ALF—A. C. Iverson, 18 Cherry St., Collingsdale, Pa.
3ALG—W. Salt, 200 Rosemont Ave., Trenton, N. J.
3ALH—R. R. Boyer, 28 Bieheiberger St., Hanover, Pa.
3ALI—J. H. Duddy, 116 N. 63d St., Philadelphia, Pa.
3ALJ—J. C. Geiger, 226 Norcg Pl., Brooklawn, N. J.
3ALK—L. H. MacLaughlin, 313 W. 2d St., Media, Pa.
3ALL—W. K. Koch, 1521 N. 17th St., Philadelphia, Pa.
3ALM—C. R. McLaughlin, 546 Creighton St., Phila., Pa.
3ALN—H. F. Hastings, 905 B St., NE., Washington, D. C.
3ALO—Unassigned
3ALP—G. B. Lacy, 653 E. Capitol St., Wash., D. C.
3ALQ—E. W. Peters, 2304 Federal St., Camden, N. J.
3ALR—E. B. Montague, 821—3d St., NE., Wash., D. C.
3ALS—H. P. Campbell, 215 High St., Clayton, N. J.
3ALT—A. Elvanian, 5700 Walnut St., Philadelphia, Pa.
3ALU—H. G. Nilson, Madison Ave., Fort Wash., Pa.
3ALV—R. Topham, Calhoun St., Wytheville, Va.
3ALW—Unassigned
3ALX—E. W. Borden, 310 Lees Ave., Collingswood, N. J.
3ALY—M. H. Morris, 15 Mechanic St., Somerville, N. J.
3ALZ—Unassigned
3AM—S. Pisani, 226 N. Calhoun St., Baltimore, Md.
3AMA—J. M. Thompson, 1706 S. Ringgold St., Phila., Pa.
3AMB—R. G. Sproul, 1470 Chapin St., Washington, D. C.
3AMC—Unassigned
3AMD—J. E. Mullen, 2975 Congress Rd., Fairview, N. J.
3AME—L. Hares, 2d and Church Sts., Easton, Pa.
3AMF—W. H. Reed, Jr., 3902 Cottage, Baltimore, Md.
3AMG—D. A. Bolton, 2120 Mt. Royal Ter., Baltimore, Md.
3AMH—W. Philadelphia H. S. for Boys, Phila., Pa.
3AMI—Unassigned
3AMJ—W. E. Gilbert, 125 Apsley St., Germantown, Philadelphia, Pa.
3AMK—L. J. Wallace, 2808 Cambridge St., Phila., Pa.
3AML—Unassigned
3AMM—J. C. Palmer, 4229 Osage Ave., Philadelphia, Pa.
3AMN—S. S. Torris, 1410 Moore St., Philadelphia, Pa.
3AMO—C. S. Evans, 19 W. Chestnut Av., Merchantville, N. J.
3AMP—Unassigned
3AMQ—W. J. Hecker, 1214 N. 27th St., Camden, N. J.
3AMR—J. Hackiman, 5761 Osage Ave., Philadelphia, Pa.
3AMS—T. T. Mather, 1210 S. Edgewood St., Phila., Pa.
3AMT—F. Strattner, 1638 N. Redfield St., Phila., Pa.
3AMU—P. F. Redhouse, 8116 Ardleigh St., Phila., Pa.
3AMV—A. Armstrong, Cedar Ave., Clementon, N. J.
3AMW—T. A. England, 6715 N. 6th St., Philadelphia, Pa.
3AMX—J. H. Lees, 1659 N. 62d St., Philadelphia, Pa.
3AMY—Unassigned
3AMZ—G. Frank, 1120 Union St., Philadelphia, Pa.
3AN—C. K. Yearley, Garrison & Fernhill, Baltimore, Md.
3ANA—T. S. Fenimore, 135 W. Broad, Burlington, N. J.
3ANB—J. B. Nance, 2024 Park Ave., Baltimore, Md.
3ANC—W. H. Schuelie, 1110 N. Union St., Phila., Pa.
3AND—T. S. Heimeken, 21 W. Broad, Burlington, N. J.
3ANE—M. E. Reynolds, 213 S. 2nd St., Colwyn, Pa.
3ANF—A. C. Davis, 25 Somerset Rd., Baltimore, Md.
3ANG—H. G. Fearn, 705 Baltimore, E. Lansdowne, Pa.
3ANH—H. C. Wood, Jr., 93 E. Stratford, Lansdowne, Pa.
3ANI—E. L. Ramer, 4937 Locust St., Philadelphia, Pa.
3ANJ—R. Mester, 5622 Arch St., Philadelphia, Pa.
3ANK—W. Hurst, 687 W. Johnson St., Philadelphia, Pa.
3ANL—Unassigned
3ANM—F. W. Mancill, 2559 N. Cleveland, Phila., Pa.
3ANN—L. Du Bois, 3213 W. Penn., Germantown, Phila.
3ANO—G. J. Schumerich, 3622 N. 15th St., Phila., Pa.
3ANP—G. Gillen, Jr., 2184 Christian St., Phila., Pa.
3ANQ—G. Peterson, Jr., 35 W. Montgomery, Ardmore, Pa.
3ANR—A. Sinclair, Jr., 1208—27 st., Camden, N. J.
3ANS—N. T. Wellman, 106 Chester Pike, Ridley Pk., Pa.
3ANT—H. E. Barth, 5341 Wyalusing Ave., Phila., Pa.
3ANU—J. M. Hoff, 6153 Limekin Pipe, Philadelphia, Pa.
3ANV—J. Bloomenthal, 2347 Logan St., Harrisburg, Pa.
3ANW—Cen. Elec. & Lock Co., 1309 Arch St., Phila., Pa.
3ANX—Unassigned
3ANY—J. Hassh, 842 N. 10th St., Philadelphia, Pa.
3ANZ—A. D. Henze, 837 S. Alden St., Phila., Pa.
3AO—M. F. Bonnett, 301 Green St., Millville, N. J.
3AOA—J. T. McLaughlin, 1212 W. Mosher, Balto., Md.
3AOB—L. K. Sowers, 20 Virginia Ave., Hagerstown, Md.
3AOC—K. Rounsley, 2839 Penn St., Penbrook, Pa.
3AOD—R. W. Delmotte, 2212 N. 2d St., Harrisburg, Pa.
3AOE—J. Trepkus, 3602 Richmond St., Philadelphia, Pa.
3AOF—J. Fields, 1012 W. Lehigh St., W. Lehigh, Va.
3AOG—W. Hopkins, Richmond, Va.
3AOH—H. J. Geist, 4419 Walnut St., Philadelphia, Pa.
3AOI—R. J. Miller, 428 Beall St., Cumberland, Md.
3AOJ—G. J. Wheeler, 4021 Edmondson, Baltimore, Md.
3AOK—Unassigned
3AOL—C. T. Smith, 1123 Grove Ave., Richmond, Va.
3AOM—Unassigned
3AON—F. E. Bauer, Jr., 16 S. Vassar, Ventnor City, N. J.
3AOO—C. Sengpiel, 2408 Lehigh Ave., Philadelphia, Pa.
3AOP—R. Kantrow, 718 S. 5th St., Philadelphia, Pa.
3AOQ—J. A. Davis, Jr., 108 N. Morris St., Richmond, Va.
3AOR—H. C. Werkleiser, 2212 N. Natrona St., Phila., Pa.
3AOS—Unassigned
3AOT—H. G. Turner, 43 S. Union St., Petersburg, Va.
3AOU—D. W. Graham, Atlantic & Monroe, Magnolia, N. J.
3AOV—S. J. Gundry, Stonega, Va.
3AOW—B. Friedman, 901 S. Cecil St., Philadelphia, Pa.
3AOX—T. A. Snurr, 228 Park St., Waynesboro, Pa.
3AOY—W. S. Reese, 217 Cleveland Ave., Waynesboro, Pa.
3AOZ—Unassigned
3AP—J. M. Simons, 2316 N. 19th St., Philadelphia, Pa.
3APA—D. A. Rudasill, 110 College Ave., Salem, Va.
3APB—C. H. Thomas, Jr., 88 Curtis Ave., Woodbury, N. J.
3APC—C. R. Fairbanks, Monroe & Walnut, Magnolia, N. J.
3APD—H. D. Cood, 419 Gordon St., Reading, Pa.
3APE—B. J. Bisciotti, 1024 S. Passyunk Ave., Phila., Pa.
3APF—Unassigned
3APG—L. Schofield, R.F.D. No. 1, Edgemoor, Del.
3APH—S. A. Carney, 2252 Free'nsb'g Av., W.B., Easton, Pa.
3API—R. E. Mayne, 326 Maclay St., Harrisburg, Pa.
3APJ—Unassigned
3APK—W. Gaskill, Township, Florence, N. J.
3APL—R. M. Maben, Evergreen Pl., Arlington, Md.
3APM—H. C. Searing, Main St., Kenville, N. J.
3APN—G. F. Warren, Evesham Ave., Magnolia, N. J.
3APO—R. Stigler, 624 N. Carcy St., Baltimore, Md.
3APP—H. S. Frazier, 5714 Hazel Ave., Philadelphia, Pa.
3APQ—E. Dilworth, 817 Summit Grove, Bryn Mawr, Pa.
3APR—C. M. Owen, Broad St., South Boston, Va.
3APS—Unassigned
3APT—E. R. Bateman, 918 N. Stricker St., Baltimore, Md.
3APU—E. F. Hoffman, 2108—3d St., Chester, Pa.
3APV—B. J. Kroger, 1630—3d St. N.W., Washington, D.C.
3APW—R. Thompson, 5613 Cedar Ave., Philadelphia, Pa.
3APX—W. C. Flake, 125 Indiana St. N.W., Wash., D. C.
3APY—C. J. Swain, Jr., 4418 Spruce St., Philadelphia, Pa.
3APZ—F. Cohen, 2324 W. Cumberland St., Phila., Pa.
3AQ—N. Tuttle, Line Rd., Bryn Mawr, Pa.
3AQA—L. S. Cohn, 3559 N. 21st St., Philadelphia, Pa.
3AQB—W. D. Kelly, 303 E. 29th St., Baltimore, Md.
3AQC—H. Corson, R.D. 1, E. Main St., Penns Cr., N. J.
3AQD—Camp Roosevelt, B.S.A., Chesapeake Beach, Md.
3AQE—D. Kinnier, 358 Shedaker St., Philadelphia, Pa.
3AQF—J. C. Haydock, Jr., 316 E. Main, Haddonfield, N. J.
3AQG—J. Evans, Jr., State St., Avondale, Pa.
3AQH—A. Laurent, 208 E. Glen Olden Av., Glen O'den, Pa.
3AQI—P. Moninger, 1745 N. Redfield St., Philadelphia, Pa.
3AQJ—R. G. Kielhner, 835 Rittenhouse St., Wash., D. C.
3AQK—H. A. Eisenhard, 1329 Chew St., Allentown, Pa.
3AQL—S. Baden, Box No. 135, Collegeville, Pa.
3AQM—W. N. Mead, Berwyn, Pa.
3AQN—W. G. De Long, 212 W. Elm St., Reading, Pa.
3AQO—L. A. Gochenour, 669 High St., Lancaster, Pa.
3AQP—A. L. Smith, Washington Crossing, Pa.
3AQQ—G. H. Wintermute, 43 Linwood Ave., Newton, N. J.
3AQR—P. H. Cassaday, 248 Areba St., Hershey, Pa.
3AQS—M. I. Cheeseman, 108 N. Broad St., Penns Gr., Pa.
3AQT—H. B. Williams, Second Ave., Avalon, N. J.
3AQU—S. Kale, Magnolia, N. J.
3AQV—F. M. Mentzer, 1430 Market St., Harrisburg, Pa.
3AQW—H. Siegel, 502 Riverside Ave., Trenton, N. J.
3AQY—P. Stratton, 180 Walnut St., Bridgeton, N. J.
3AQX—W. L. Gardner, Jr., 1612 N. 4th St., Harrisburg, Pa.
3AQZ—M. E. Unsworth, 232 Landis Ave., Vineland, N. J.
3AR—A. P. McDowell, Jr., 41 Carpenter Lane, Mt. Airy, Philadelphia, Pa.
3ARA—B. S. Bertolet, 1217 Russell Ave., Bethlehem, Pa.
3ARB—C. R. Gathright, 1011½ Hickory St., Richmond, Va.
3ARC—Unassigned
3ARD—V. DeV. Brown, 28 W. High St., Bound Brook, N.J.
3ARE—G. W. Huff, 1430 Rh. Is. Ave. N.W., Wash., D. C.
3ARF—W. B. Osmond, 400 Orange St., Wilmington, Del.
3ARG—A. D. Black, 4114 Westfield Ave., Camden, N. J.
3ARH—A. M. Wilson, Inc., 6105—4th St. N.W., Wash., D.C.
3ARI—J. S. Ballantine, New Jersey Ave., Absecon, N. J.
3ARJ—R. M. Peffer, Market & Dale Ave., Lemoyne, Pa.
3ARK—G. Farrell, 39 Halstead St., Newton, N. J.
3ARL—J. J. Danielson, Villanova College, Vil'anova, Pa.
3ARM—W. H. Russell, Eversham St., Magnolia, N. J.
3ARN—R. W. & H. J. Curtis, 6316 Del., Chevy Chase, Md.
3ARO—Unassigned
3ARP—P. H. Sheffer, 41 S. Queen St., York, Pa.
3ARQ—E. J. Dione, 1529 Green St., Philadelphia, Pa.
3ARR—Unassigned
3ARS—G. L. Carson, 7823 Walker St., Philadelphia, Pa.
3ART—R. R. Carrick, 126 Redfield St., Philadelphia, Pa.
3ARU—I. F. Lang, 1918 N. Judson St., Philadelphia, Pa.
3ARV—W. M. Scott, King of Prussia Rd., Radnor, Pa.
3ARW—E. Croll, 2742 N. 19th St., Philadelphia, Pa.
3ARX—N. Fogel, 5728 Market St., Philadelphia, Pa.
3ARY—E. H. Garber, 4514 N. 18th, Philadelphia, Pa.
3ARZ—E. R. Ristine, 119 Maple Ave., Westville, N. J.
3AS—F. W. Bakley, 300 9th St., Ocean City, N. J.
3ASA—J. Moore, Fort Washington, Pa.
3ASB—W. N. Baker, 320 W. Chestnut, W. Chester, Pa.
3ASC—Unassigned
3ASD—W. S. Tilton, 7 N. Georgia, Atlantic City, N. J.
3ASE—C. E. Moser, 648 Line St., Easton, Pa.
3ASF—A. H. Braun, 3226 N. 27th, Philadelphia, Pa.
3ASG—G. H. Chambers, 7430 Boyer, Philadelphia, Pa.
3ASH—W. L. Malin, Jr., 118 Sibley Ave., Ardmore, Pa.
3ASI—P. J. Krewett, 4 Twedell St., Westville, N. J.
3ASJ—Unassigned
3ASK—C. H. Walton, 101 Webster, Downington, Pa.
3ASL—L. Ditzenberger, 2517 S. 61st, Philadelphia, Pa.
3ASM—G. H. Sheild, 249 Newport News, Hampton, Va.
3ASN—E. R. Davis, 100 N. Broad, Woodbury St., N. J.
3ASO—H. A. Farnham, 313 V NE., Washington, D. C.
3ASP—H. L. Keller, 272 Lewis, St., Staunton, Va.
3ASQ—L. C. Hedges, 2010 14th N. W., Washington, D. C.
3ASR—B. Bloom, 10 Prospect St., Morristown, N. J.
3ASS—D. N. Higgins, Jr., Virginian Apt., Portsmouth, Va.
3AST—F. Scott, Jr., 6610 N. 6th St., Philadelphia, Pa.
3ASU—J. R. Nichols, 834 N. Stricker St., Baltimore, Md.
3ASV—J. H. Barron, Jr., 3022 Ahell Ave., Baltimore, Md.
3ASW—S. Savitsky, 1238 S. 17th St., Philadelphia, Pa.
3ASX—R. Schmid, 2925 N. Franklin, Philadelphia, Pa.
3ASY—E. Brooks, 3657 N. 21st St., Philadelphia, Pa.
3ASZ—J. J. Clark, 2815 N. Orianna, Philadelphia, Pa.
3AT—Unassigned
3ATA—S. A. Robinson, Covesville, Va.
3ATB—D. L. Cooper, 606 Sycamore St., Petersburg, Va.
3ATC—C. J. Welsh, 2332 S. Lambert, Philadelphia, Pa.
3ATD—S. C. Fleming, 405 E. Ridley Ave., Ridley Park, Pa.
3ATE—W. C. Fritz, 206 W. Main St., New Holland, Pa.
3ATF—M. Vitsky, 222 N. 17th St., Richmond, Va.
3ATG—H. Shook, 1133 Ferry St., Easton, Pa.
3ATH—P. Sweeney, 40 Lincoln St., Hampton, Va.
3ATI—E. B. Clayton, 1034 Butler St., Chester, Pa.
3ATJ—Unassigned
3ATK—E. Widmer, 2910 N. Lawrence, Philadelphia, Pa.
3ATL—N. Jones, 301 S. Chester Rd., Swarthmore, Pa.
3ATM—Unassigned
3ATN—Unassigned
3ATO—F. E. Stanley, Bockius Ave., Abington, Pa.
3ATP—J. A. Wilkins, Mt. Carmel Ave., N. Glenside, Pa.
3ATQ—L. Preston, 824 Lindenwold Ave., Ambler, Pa.
3ATR—S. Rosenthal, 1508 N. 10th, Philadelphia, Pa.
3ATS—C. O. Dowell, 323 E Quarters, Fort Monroe, Va.
3ATT—F. C. Miller, 50 Delaware Ave., Morrisville, Pa.
3ATU—K. W. Keller, 21 Pomona, W. Philadelphia, Pa.
3ATV—A. T. Thompson, 63A Lewis, Phillipsburg, N. J.
3ATW—M. Goldberg, 300 15th, S. E., Washington, D. C.
3ATX—W. L. Terrett, Jr., 2 N. Y., N.E., Washington, D. C.
3ATY—A. L. Tyler, North Wales, Pa.
3ATZ—C. T. Mercer, 29 Washington St., Portsmouth, Va.
3AU—M. L. Walsh, 819 W. Lexington, Baltimore, Md.
3AUA—P. W. Thrush, 213 Crescent St., Harrisburg, Pa.
3AUB—E. Burnside, 23 S. 3rd St., Darby, Pa.
3AUC—T. A. Clayton, 626 Main St., Danville, Va.
3AUD—P. L. Troy, 2510 Jefferson St., Harrisburg, Pa.
3AUE—L. A. Sesseman, 114 Orange St., Lititz, Pa.
3AUF—J. R. Gaintner, 560 W. Orange St., Lancaster, Pa.
3AUG—P. M. Dickey, 1015 K, N.W., Washington, D. C.
3AUH—R. C. Nowrey, 921 Cooper St., Camden, N. J.
3AUI—A. G. Koehler, 311 Wyota St., Philadelphia, Pa.
3AUJ—Unassigned
3AUK—I. Tweed, 5447 Christian St., Philadelphia, Pa.
3AUL—J. H. Rutter, 153 E. Main St., New Holland, Pa.
3AUM—J. Sensenig, Jr., 148 E. Main, New Holland, Pa.
3AUN—A. Kovac, Box 290, La Grange, Raritan, N. J.
3AUO—L. E. Sammis, Cricket and Pine, N. Glenside, Pa.
3AUP—P. B. Koeppen, Box 3, R. F. D. 5, Stuart, Va.
3AUQ—H. Turner, Newport, N. J.
3AUR—Dr. R. L. Gittings, 20 W. Wash., Washington, D. C.
3AUS—R. A. Taylor, 5133 Spruce St., Philadelphia, Pa.
3AUT—Unassigned
3AUU—W. M. Lamb, 1421 Farmer St., Petersburg, Va.
3AUV—J. Young, 418 W. Miner St., West Chester, Pa.
3AUW—D. C. J. Kinsey, 1040 N. 5th St., Reading, Pa.
3AUX—A. H. Turner, 2105 Lancaster, Wilmington, Del.
3AUY—F. A. Talone, 1504 Federal, Philadelphia, Pa.
3AUZ—W. Pelletreau, 2537 S. Chadwick, Philadelphia, Pa.
3AV—E. R. McCaskey, 1025 Main St., Derby, Pa.
3AVA—D. P. Spiller, 4409 Pine St., Philadelphia, Pa.
3AVB—G. Scott, 6610 N. 6th St., Oak Lane, Pa.
3AVC—R. Kantrow, 718 S. 5th St., Philadelphia, Pa.
3AVD—Miss E. Wheawill, 1119 Divinity, Philadelphia, Pa.
3AVE—S. O. Nutt, 2356 Nottingham, Ham. Sq., N. J.
3AVF—N. S. Bortner, 102 E. Belvedere, Baltimore, Md.
3AVG—W. Griffith, 5027 Osage Ave., Philadelphia, Pa.
3AVH—Unassigned
3AVI—L. J. Entrekin, 1110 E. Lincoln, Coatesville, Pa.
3AVJ—J. W. Gellenthin, 2627 N. Darien, Philadelphia, Pa.
3AVK—H. A. Baker, 18 Rigby Ave., Lansdowne, Pa.
3AVL—G. A. Mershon, 14 N. Wycombe, Lansdowne, Pa.
3AVM—W. H. Handwerk, 1044 Main St., Slatington, Pa.
3AVN—R. McGlathery, 5924 Pulaski, Germantown, Pa.
3AVO—F. Palmer, Jr., 347 Spring St., Trenton, N. J.
3AVP—A. J. Thiel, 133 Areba St., Hershey, Pa.
3AVQ—H. E. Brown, R.F.D. 1, Broadway, Westville, N. J.
3AVR—I. J. Purdy, 139 Wilkes-Barre Ave., Easton, Pa.
3AVS—A. W. Turner, 61 Hampton St., Bridgeton, N. J.
3AVT—D. J. Schell, 743 Corinthan, Philadelphia, Pa.
3AVU—L. L. Pippen, E. Main St., Elkton, Md.
3AVV—Unassigned
3AVW—Unassigned
3AVX—J. Casamay, 136 W. Thompson, Philadelphia, Pa.
3AVY—F. S. Powell, 24 S. 61st St., Philadelphia, Pa.
3AVZ—D. R. Kienzle, 4916 Chestnut St., Philadelphia, Pa.
3AW—S. M. Brenner, 5025 Walnut St., Philadelphia, Pa.
3AWA—H. H. Lamon, 2316 N. 7th St., Philadelphia, Pa.
3AWB—J. W. Havener, 110 Merion, W. Conshohocken, Pa.
3AWC—J. W. Forsyth, 6543 N. Lambert, Germantown, Philadelphia, Pa.
3AWD—H. M. Walls, 306 Oxford Rd., Brookline, Pa.
3AWE—R. H. Crisman, 236 Monoa Rd., Brookline, Pa.
3AWF—I. Roach, 556 Brookline Blvd., Brookline, Pa.
3AWG—L. K. Sawyer, 222 Rutgers Ave., Swarthmore, Pa.
3AWH—W. H. Newbold, Langhorne, Pa.
3AWI—J. T. F. Howlett, 2303 N. Broad, Philadelphia, Pa.
3AWJ—J. Firestone, Jr., 3135 N. Columbia, Phila., Pa.
3AWK—A. Gerstenbacher, 2017 S. Croskey, Philadelphia, Pa.
3AWL—H. E. Price, 242 W. 2d St., Waynesboro, Pa.
3AWM—W. J. Tretbar, 123 W. Weaver, Philadelphia, Pa.
3AKN—H. Weirman, 2331 N. 20th, Philadelphia, Pa.
3AWO—J. Gross, 3434 N. 13th St., Philadelphia, Pa.
3AWP—G. H. Miller, 4509 N. 5th St., Philadelphia, Pa.
3AWQ—Unassigned
3AWR—C. M. Meigs, 3500 9th, N. E., Washington, D. C.
3AWS—Unassigned
3AWT—H. L. Archey, Jr., 215 Gowen Ave., Mt. Airy, Pa.
3AWU—W. L. Holt, 190 W. Indiana, Philadelphia, Pa.
3AWV—W. W. Patten, Jr., Torpedo Test Barge No. 3, Yorktown, Va.
3AWW—W. W. Kochersperger, 428 E. Moyer, Phila., Pa.
3AWX—W. L. Scott, 38 Lincoln St., Hampton, Va.
3AWY—W. W. De Pue, 9 Trinity St., Newton, N. J.
3AWZ—M. E. Samotin, 3135 Euclid, Philadelphia, Pa.
3AX—I. R. Sarbacher, 2644 N. Maryland, Baltimore, Md.
3AY—J. J. Cole, 5927 Girard Ave., Philadelphia, Pa.
3AZ—E. Pond, Jr., 2559 S. 67th, Philadelphia, Pa.
3BA—V. J. Braidwood, 205 New Jersey, Anglesea, N. J.
3BAA—W. Hallowell, 2237 Coral St., Philadelphia, Pa.
3BAB—C. S. Perkins, 337½ N. 11th St., Reading, Pa.
3BAC—A. Saroky, 1720 De Lancy St., Philadelphia, Pa.
3BAD—H. Brill, 300 W. York St., Philadelphia, Pa.
3BAE—H. S. Voelmie, 1561 E. Montgomery, Phila., Pa.
3BAF—J. C. Steiger, 3048 N. 7th St., Philadelphia, Pa.
3BAG—Unassigned
3BAH—G. G. Murr, 27 Harrison St., York, Pa.
3BAI—G. Smith, 2058 Dauphin St., Philadelphia, Pa.
3BAJ—A. L. Hartman, Newport, N. J.
3BAK—E. L. Binderwald, 503 Highland, Westville, N. J.
3BAL—G. W. Kimball, 79 S. Wycombe, Lansdowne, Pa.
3BAM—C. E. King, 3626 York Rd., Baltimore, Md.
3BAN—J. B. Roll, 9 Rockview Tr., N. Plainfield, N. J.
3BAO—W. C. Weaver, 240 S. Chancellor St., Newton, Pa.
3BAP—J. W. Maxwell, 3rd, 425 Lancaster, E. Downington, Pa.
3BAQ—C. and B. Dreisbach, 614 N. 8th, Allentown, Pa.
3BAR—N. K. Fite, 6207 Fairhill St., Philadelphia, Pa.
3BAS—F. F. Dern, Jr., 1716 N. 13th, Philadelphia, Pa.
3BAT—W. M. McKie, 1350 Pine St., Philadelphia, Pa.
3BAU—P. F. Fifer, 128 Lismore Ave., Glenside, Pa.
3BAV—C. N. Gerard, Jr., 50 High St., Woodbury, N. J.
3BAW—B. V. Miller, 4818 Beaumont, Philadelphia, Pa.
3BAX—Radio Const. Co., 542 Irving, Washington, D. C.
3BAY—E. Broddock, 8 Tanner St., Haddonfield, N. J.
3BAZ—R. E. Stewart, 1912 W. Glenwood, Philadelphia, Pa.
3BB—J. Mooney, Jr., 2903 W. Girard, Philadelphia, Pa.
3BBA—E. Goldsborough, 5311 St. George, Govans, Balto., Md.
3BBB—W. Stinson, 2107 N. 17th, Philadelphia, Pa.
3BBC—C. M. Neibich, 326 21st St., Baltimore, Md.
3BBD—J. Heininger, 440 W. Somerset, Philadelphia, Pa.
3BBE—C. L. Zimmerman, Catauba Sanatorium Virginia.
3BBF—G. S. Lee, Chew Ave., St. Michaels, Md.
3BBG—C. E. Gill, 178 Speedwell Ave., Morristown, N. J.
3BBH—J. P. McNeal, Jr., 111 Peyton, Haddonfield, N. J.
3BBI—M. L. Pike, Crown Pt. & River Rd., Thorofare, N. J.
3BBJ—Unassigned
3BBK—S. V. Bigler, Woodlawn, P. O., Baltimore, Md.
3BBL—Unassigned
3BBM—Unassigned
3BBN—G. D. Bowers, R. F. D. 3, Media, Pa.
3BBO—D. H. Friedman, 1710 N. Franklin, Philadelphia, Pa.
3BBP—H. W. Driscoll, Jr., 2803 Hildale, Baltimore, Md.
3BBQ—G. A. Miller, 1118 W. Spring Garden, Phila., Pa.
3BBR—Unassigned
3BBS—C. R. Pilkington, 1120 S. Paxon, Philadelphia, Pa.
3BBT—R. B. Batte, 916 Raleigh Ave., Norfo'k, Va.
3BBU—H. W. Souders, 112 S. Main St., Phillipsburg, N. J.
3BBV—C. R. Grim, 1940 Bellevue St., Harrisburg, Pa.
3BBW—F. Calhoun, 1624 Ashburton St., Baltimore, Md.
3BBX—S. Fisher, 6051 Spruce St., Philadelphia, Pa.
3BBY—W. R. Fonshell, 1403 Bond St., Baltimore, Md.

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3BC—C. A. Roberts, 2051 N. Lawrence, Philadelphia, Pa.
3BCA—Unassigned
3BCB—Unassigned
3BCC—E. M. Banta, 4928 Chestnut, Philadelphia, Pa.
3BCD—R. K. Johnson, 153 N. Laurel St., Bridgeton, N. J.
3BCE—F. P. Ausden, Jr., 107 Reily St., Harrisburg, Pa.
3BCF—A. Reitz, 5906 Janney St., Philadelphia, Pa.
3BCG—H. J. Jess, Box 123, Annapolis, Md.
3BCH—W. H. Birdsong, 209 Grove Ave., Petersburg, Va.
3BCI—L. H. Pierce, Jr., 8528 Cuyera, W. Philadelphia, Pa.
3BCJ—W. O. Schwaner, 207 William St., Boonton, N. J.
3BCK—M. A. Garmhansen, 516 W. 27th St., Baltimore, Md.
3BCL—F. W. Doealdson, 2112 E. Susquehanna, Phila., Pa.
3BCM—G. J. Corenlius, 6120 Jackson, Philadelphia, Pa.
3BCN—Unassigned
3BCO—J. R. Stetser, 300 9th St., Ocean City, N. J.
3BCP—F. Richardson, 435 S. Orange St., Media, Pa.
3BCQ—C. O. Berger, 308 Cynwyd Ave., Cynwyd, Pa.
3BCR—Unassigned
3BCS—A. Carey, 6135 Spruce St., Philadelphia, Pa.
3BCT—L. Niemann, Jr., 2729 N. 5th St., Philadelphia, Pa.
3BCU—F. Loeffler, Jr., 3734 Frankford, Philadelphia, Pa.
3BCV—S. Gibson, 2 Haws Ave., Ardmore, Pa.
3BCW—R. C. Barleson, 61st & E. Capitol, Wash., D. C.
3BCX—E. S. Shlder, 1621 Hoffman St., Baltimore, Md.
3BCY—T. D. Winters, 1125 Peach St., Philadelphia, Pa.
3BCZ—L. B. Van de Cook, 913 6th, NE., Washington, D. C.
3BD—W. L. Anspach, 53 W. Sharpnack, Philadelphia, Pa.
3BDA—C. F. Wicker, 225 E. Allen, Philadelphia, Pa.
3BDB—F. Barlow, 26 Pardicaris Pl., Trenton, N. J.
3BDC—Unassigned
3BDD—Unassigned
3BDE—H. Cunin, 727 Brown St., Philadelphia, Pa.
3BDF—E. Duemler, Clovernook Ave., Cornwells, Pa.
3BDG—G. K. Bricker, 210 W. Jackson St., York, Pa.
3BDH—A. Anderson, 921 Marlborough, Philadelphia, Pa.
3BDI—E. S. Clammer, 422 Douglas St., Reading, Pa.
3BDJ—Unassigned
3BDK—C. A. Bleuel, 43 S. Hare St., Baltimore, Md.
3BDL—G. E. Fredericks, 1426 W. Norris, Philadelphia, Pa.
3BDM—E. Uzumecki, 300 Wharton, Philadelphia, Pa.
3BDN—L. Bokser, 1518 N. 8th St., Philadelphia, Pa.
3BDO—R. U. Waite, North West Ave., Vineland, N. J.
3BDP—Reading Radio Club, Reading, Pa.
3BDQ—A. B. Lucas, 1336 30th St., Newport News, Va.
3BDR—M. W. Garrison, 15 N. Pearl St., Bridgeton, N. J.
3BDS—S. Snyder, 8 Marion Tr., Atlantic City, N. J.
3BDT—R. Y. Leonard, 126 Speedwell, Morristown, N. J.
3BDU—C. A. F. Wright, 159 Fern, Collingswood, N. J.
3BDV—L. Johnson, 18 Fayette St., Bridgeton, N. J.
3BDW—P. B. Couple, 14 W. 3rd St., Media, Pa.
3BDX—Unassigned
3BDY—A. W. Conger, 13 W. 3rd St., Media, Pa.
3BDZ—S. N. Howell, 401 Bullitt Ave., Roanoke, Va.
3BE—Unassigned
3BEA—M. Brandt, 726 Grant St., Camden, N. J.
3BEB—L. R. Worrall, W. 3rd St., Media, Pa.
3BEC—A. M. Young, Hares Lane, Radnor, Pa.
3BED—A. Kehr, 5518 Irving St., Philadelphia, Pa.
3BEE—A. Wilson, R. F. D. 2, Middleton Rd., Media, Pa.
3BEF—J. I. Malloy, 1719 Wylie St., Philadelphia, Pa.
3BEG—J. A. Doerweckter, 719 Belgrade, Philadelphia, Pa.
3BEH—L. H. M. and W. T. Gerson, 25 N. Cornwall St., Ventnor, N. J.
3BEI—W. W. Filson, 253 E. Atlantic Ave., Audubon, N. J.
3BEJ—F. C. Hopkins, 2431 Fairmount, Philadelphia, Pa.
3BEK—C. F. Bond, 8th Ave., Collegeville, Pa.
3BEL—R. O. Hartman, 703 Clifton Ave., Collingdale, Pa.
3BEM—C. A. Sauerwin, 35 S. 9th St., Allentown, Pa.
3BEN—J. M. Saddington, 510 Oak Lane, Philadelphia, Pa.
3BEO—F. C. Gatell, 3743 N. 16th St., Philadelphia, Pa.
3BEP—A. E. Cowell, 38 S. 12th St., Easton, Pa.
3BEQ—H. A. Readknight, 127 E. Willard St., Phila., Pa.
3BER—J. A. Pool, 114 Montgomery Ave., Ardmore, Pa.
3BES—I. Roach, Providence Rd., Media, Pa.
3BET—M. Hilborn, 133—61st St., Philadelphia, Pa.
3BEU—C. H. Howson, Jr., 134 Walnut Ave., Wayne, Pa.
3BEV—J. H. Rushton, 112 Runeymede Ave., Wayne, Pa.
3BEW—C. H. Oakley, 932 Riverside Ave., Trenton, N. J.
3BEX—L. J. De Balbina, Greenwood, Va.
3BEY—R. Jones, 910 Front St., Reading, Pa.
3BEZ—R. L. Luckett, 1212 Orren St. NE., Wash., D. C.
3BF—G. M. Christie, 26 Hilbrest Rd., Watchung, N. J.
3BFA—T. G. Borden, 1215 Newton, N.E., Washington, D. C.
3BFB—P. M. Braun, 627 Moyamensing St., Phila., Pa.
3BFC—H. F. Stoughton, 1907 Girard Ave., Philadelphia, Pa.
3BFD—E. Miller, 6036 Locust St., Philadelphia, Pa.
3BFE—C. B. Lewis, Proffit, Va.
3BFF—Unassigned
3BFG—Unassigned
3BFH—D. Stretch, 207 Academy St., Trenton, N. J.
3BFI—F. Knight, 4475 Green St., Germantown, Phila., Pa.
3BFJ—W. M. Carson, 251 W. Calpier St., Philadelphia, Pa.
3BFK—A. Miller, 6129 Jefferson St., Philadelphia, Pa.
3BFL—L. W. Moxey, 7437 Sprague St., Philadelphia, Pa.
3BFM—H. P. Gilbert, Jr., 723 Emmet St., Portsmouth, Va.
3BFN—F. B. Uphoff, 1335 Kerbaugh St., Philadelphia, Pa.
3BFO—E. E. Mann, Box 10, R.F.D. 1, Mt. Bethel, Pa.
3BFP—W. F. Pace, 3529 Ella St., Philadelphia, Pa.
3BFQ—N. C. Henwood, 717 S. 63d St., Philadelphia, Pa.
3BFR—J. Brodman, 1959 Patton St., Philadelphia, Pa.
3BFS—L. Hayden, 26 S. North Carolina, Atlantic Cy., N.J.
3BFT—H. I. Polhemus, 504 S. Main St., Hightstown, N. J.
3BFU—Unassigned
3BFV—Unassigned
3BFW—L. W. Hinton, 2002a W. Cary St., Richmond, Va.
3BFX—C. J. Weazinger, 3135 N. Front St., Phila., Pa.
3BFY—N. R. Evans, R.F.D. No. 1, Glassboro, N. J.
3BFZ—R. Ward, 500 Morton St., Ridley Park, Pa.
3BG—P. C. Peterson, Hock Rd. & Ashland, Felcroft, Pa.
3BGA—W. K. Hoffman, New St., Freemansburg, Pa.
3BGB—H. W. Moacy, 5537 Walton Ave., Philadelphia, Pa.
3BGC—A. H. Randow, 5331 Hedge St., Philadelphia, Pa.
3BGD—S. Spitler, 17 Huntington St., Rutherford Hgts., Pa.
3BGE—N. Kramer, Main & Tiosa, Rutherford Hgts., Pa.
3BGF—E. E. Kline, 144 E. Philadelphia St., York, Pa.
3BGG—R. E. Firbty, 320 W. York Ave., York, Pa.
3BGH—R. Burgard, 310 N. West St., York, Pa.
3BGI—S. H. Barnett, 203 State St., Dover, Del.
3BGJ—E. W. Burg, U. S. Soldiers Home, Wash., D. C.
3BGK—Unassigned
3BGL—T. G. Koven, Denville, N. J.
3BGM—E. M. Simon, Cor. Gay & Walnut, W. Chester, Pa.
3BGN—A. Matthews, Jr., 210—6th St., W. Cape May, N. J.
3BGO—H. Adams, Jr., Jessup, Md.
3BGP—N. M. Brooks, 9 Fayette St., Staunton, Va.
3BGQ—J. E. Mifflelon, 214 Harrison St., Petersburg, Va.
3BGR—P. A. Sweeney, 40 Lincoln St., Hampton, Va.
3BGS—J. P. Hyde, Bristow, Va.
3BGT—C. S. Risley, Bunson & Ventnor, Atlantic City, N.J.
3BGU—M. W. Sloan, Jr., 25d Ave., Longport, N. J.
3BGV—P. G. Clice, 20 Front St., Cumberland, Md.
3BGW—P. A. Yerger, 1008 Wilkes-Barre St., Easton, Pa.
3BGX—L. S. Jones, 333 Locust St., Hampton, Va.
3BGY—R. Kimmel, 522 Spruce St., Lebanon, Pa.
3BGZ—C. M. Gilbert, 3d, 350 Haddon, Collingswood, N. J.
3BH—S. W. Place, 622 Stanbridge St., Norristown, Pa.
3BHA—P. Farson, Front Royal, Va.
3BHB—J. Alter, 2758 N. 5th St., Philadelphia, Pa.
3BHC—W. H. Reith, 4913 Ogden St., Philadelphia, Pa.
3BHD—J. A. Bullock, Jr., Rost Rd., Trainer, Pa.
3BHE—J. E. Phillips, 911 Market St., Marcus Hook, Pa.
3BHF—C. Hutchinson, 1128 Tree St., Philadelphia, Pa.
3BHG—W. P. Walter, 1948 E. Chelten Ave., Phila., Pa.
3BHH—E. Brooks, 3657 21st St., Philadelphia, Pa.
3BHI—P. H. Campbell, Main St., Branchville, N. J.
3BHJ—H. Fritz, 2821 N. 12th St., Philadelphia, Pa.
3BHK—R. Strayer, R.F.D. 6, Burlington, Bridgeton, N. J.
3BHL—F. T. Bradley, St. George Ave., Crozet, Va.
3BHM—H. H. Waesche, 6105—4th St. N.W., Wash., D. C.
3BHN—E. W. Preston, 38 High St., Trenton, N. J.
3BHO—Herbert P. Bryant, 304 Rittenhouse St., Wash., D.C.
3BHP—R. F. Gerbrick, 2418 Hicks St., Philadelphia, Pa.
3BHQ—N. J. McCabe, 716 Powell St., Gloucester, N. J.
3BHR—Unassigned
3BHS—J. T. Perdue, 718 Delaware St., Salem, Va.
3BHT—W. T. McClanen, 6122 Musgrave St., Phila., Pa.
3BHU—W. M. Uhler, Jr., 1810 Ingleside Ter. N.W., Wash., D. C.
3BHV—R. E. Banker, 300—11th St. N.E., Wash., D. C.
3BHW—G. E. Owens, 430—39th St., West Philadelphia, Pa.
3BHX—A. F. Ruff, 411 Ingleside Ave., Catonsville, Md.
3BHY—Gettysburg College, Gettysburg, Pa.
3BHZ—E. Eisele, Jr., 4941 N. 2d St., Philadelphia, Pa.
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3BIA—J. H. Wild, Box 605, State St., Newtown, Pa.
3BIB—M. H. Griscom, Neshanic, N. J.
3BIC—C. K. Krause, 1912 Market St., Harrisburg, Pa.
3BID—A. L. Groves, Brooks, Va.
3BIE—Unassigned
3BIF—J. C. Holtby, 39 Lincoln St., Lansdowne, Pa.
3BIG—J. Hays, Jr., 301 N. Hanover St., Carlisle, Pa.
3BIH—H. W. Brown, 5203 N. 11th St., Philadelphia, Pa.
3BII—Unassigned
3BIJ—W. R. Selden, 201 E. Franklin St., Richmond, Va.
3BIK—C. A. Smith, 66 S. Bridge St., Somerville, N. J.
3BIL—J. E. Keene, 128 Walnut St., Mont Clare, Pa.
3BIM—H. N. G. Kline, 2916 N. 16th St., Philadelphia, Pa.
3BIN—L. R. Easlin, 1831 N. 21st St., Philadelphia, Pa.
3BIO—E. Poist, 51 E. Randall St., Baltimore, Md.
3BIP—Unassigned
3BIQ—J. E. Armstrong, 5356 Delancey St., Phila., Pa.
3BIR—E. L. Clemmer, 642 Haws Ave., Norristown, Pa.
3BIS—Unassigned
3BIT—S. E. Fraim, Jr., 802 N. Duke St., Lancaster, Pa.
3BIU—O. Minnick, 42 Fairview Ave., Cumberland, Md.
3BIV—E. Lemieger, 820 Elm St., Reading, Pa.
3BIW—H. K. Kappel, 2826 N. Warnock St., Phila., Pa.
3BIX—Unassigned
3BIY—F. E. Maddox, 106 Church Ave., Roanoke, Va.
3BIZ—H. G. Onowake, 440 College Ave., Lancaster, Pa.
3BJ—J. Marx, 932 N. 5th St., Reading, Pa.
3BJA—R. P. Fonda, Sudbrook Park, Md.
3BJB—J. T. M. Haas, 1538 W. Lanvale St., Baltimore, Md.
3BJC—R. C. Pelham, 1224 Harrison St., Philadelphia, Pa.
3BJD—Unassigned
3BJE—Unassigned
3BJF—Unassigned
3BJG—E. Bishop, 2410 N. 18th St., Philadelphia, Pa.
3BJH—B. Rectolet, 2d, 2112 Columbia Ave., Phila., Pa.
3BJI—O. G. Albert, 667 Preston St., Philadelphia, Pa.
3BJJ—M. Morse, 229 N. Broad St., Trenton, N. J.
3BJK—J. W. Burn, 203 W. 24th St., Chester, Pa.
3BJL—F. A. Horning, 255 N. Main St., Telford, Pa.
3BJM—H. B. Allen, Jr., 63 E. Hortter St., Phila., Pa.
3BJN—J. F. Fluhr, 104 Susquehanna St., Philadelphia, Pa.
3BJO—L. Ritter, 2415 S. Sartain St., Philadelphia, Pa.
3BJP—W. B. Atmore, Clementon, N. J.
3BJQ—G. L. Cook, Woodmont, Pa.
3BJR—A. K. Ransom, Rehoboth Beach, Del.
3BJS—F. L. Steinbright, 636 Stanbridge, Norristown, Pa.
3BJT—J. B. Dirkel, 710 E. End Ave., Lancaster, Pa.
3BJU—F. C. Van Reuth, 5210 Harford Rd., Baltimore, Md.
3BJV—Unassigned
3BJW—H. O. Bixby, 2d Lt., Sherwood Ino, Ft. Monroe, Va.
3BJX—Unassigned
3BJY—R. J. Littler, 5856 Winslow St., Philadelphia, Pa.
3BJZ—M. W. Garcey, 4843 Wisconsin Ave., Wash., D. C.
3BK—Rev. A. K. Wilson, Main St., Bloomsburg, N. J.
3BKA—Major J. H. Clinton, 121 N. Iowa, Atl. Cy., N. J.
3BKB—Unassigned
3BKC—H. M. Yates, 700—7th St. S.W., Washington, D. C.
3BKD—A. P. Demaray, 70 Eastern Ave., Somerville, N. J.
3BKE—Unassigned
3BKF—R. K. Pulaski, 1034 Liberty St., Camden, N. J.
3BKG—C. E. Bream, 501 W. Atlantic Ave., Audubon, N. J.
3BKH—S. Gross, 1227—7th St., Philadelphia, Pa.
3BKI—R. R. Halpenny, 165 "V" St. N.E., Wash., D. C.
3BKJ—J. A. Mills, 421 Walnut St., Lebanon, Pa.
3BKK—Unassigned
3BKL—K. L. Blamey, 403 W. North Ave., York, Pa.
3BKM—Unassigned
3BKN—W. P. Wilson, 702 N. Queen St., Lancaster, Pa.
3BKO—Unassigned
3BKP—I. C. Racona, 1112 Daly St., Philadelphia, Pa.
3BKQ—Haverford T. H. S. R. C., Eagle Rd., Oakmont, Pa.
3BKR—W. J. Duffy, Villanova College, Villanova, Pa.
3BKS—J. Doyle, 712 Walker Ave., Towson, Md.
3BKT—D. B. Johannes, 6125 Georgia, N.W., Wash., D. C.
3BKU—R. W. Andrews, 1749 Park Rd., Washington, D. C.
3BKV—I. P. Miller, 216 S. 10th St., Philadelphia, Pa.
3BKW—B. H. Marshall, 3363—18th St. N.W., Wash., D.C.
3BKX—W. A. T. Overstreet, 145 W. Main St., Salem, Va.
3BKY—L. M. Knoll, 6120 Carpenter St., Philadelphia, Pa.
3BKZ—K. Parks, 121 York St., Bridgeton, N. J.
3BL—W. A. Powell, 447 Royden St., Camden, N. J.
3BLA—R. O. Riffle, Frederick St., Littletown, Pa.
3BLB—R. E. Hall, 110—7th St., Avalon, N. J.
3BLC—F. J. Klee, 1519 Shipman St., Bethlehem, Pa.
3BLD—C. F. Holsopple, 27 Main St., Quakertown, Pa.
3BLE—M. W. Hilderth, 107 Pine St., Bridgeton, N. J.
3BLF—Unassigned
3BLG—Unassigned
3BLH—Unassigned
3BLI—C. H. Hess, 2122 N. Uber St., Philadelphia, Pa.
3BLJ—J. C. Schwartz, 1857 E. Lafayette Ave., Balto., Md.
3BLK—Haddonfield High School, Lincoln & Chestnut, Haddonfield, N. J.
3BLL—J. H. Shephard, Jr., 2232 N. Lambert, Phila., Pa.
3BLM—A. S. Biletta, 1418 Ellsworth St., Philadelphia, Pa.
3BLN—P. Shapiro, 2606 S. Jessup St., Philadelphia, Pa.
3BLO—W. Gimpel, 1515 Ritner St., Philadelphia, Pa.
3BLP—D. E. Wilbur, 728 Delaware Ave., Bethlehem, Pa.
3BLQ—H. Treloar, Cornwall, Pa.
3BLR—E. W. Dannats, 2708 S. 10th St., Philadelphia, Pa.
3BLS—G. A. P. DiMeo, 1511 McKean St., Phila., Pa.
3BLT—J. McLaughlin, 2953 Roudinot St., Philadelphia, Pa.
3BLU—L. D. Warner, 10 Millbrook Ave., Haverford, Pa.
3BLV—Unassigned
3BLW—C. A. Addis, 233 W. Pine Ave., Wildwood, N. J.
3BLX—F. T. Baker, 802 Winston Ave., Baltimore, Md.
3BLY—H. R. David, 656 Linden Ave., York, Pa.
3BLZ—F. J. Wolff, 600 Ingham Ave., Trenton, N. J.
3BM—M. K. Pillsbury, Wash. Market Bldg., Trenton, N. J.
3BMA—Unassigned
3BMB—Unassigned
3BMC—R. R. Creighton, 227 Virginia Ave., Audubon, N. J.
3BMD—P. Gephart, 121 Gay St., Phoenixville, Pa.
3BME—A. Goldberger, 1812—17th St., Philadelphia, Pa.
3BMF—W. Morrison, 2681 Amber St., Philadelphia, Pa.
3BMG—C. P. Burt, Cor. 2d & Poplar, Moorestown, Pa.
3BMH—E. Seltzer, 1857 N. 17th St., Philadelphia, Pa.
3BMI—K. F. Klingelhoeffer, 916 Belmont Ave., Phila., Pa.
3BMJ—G. R. Lenhert, Jr., 4013 Spring Garden, Phila., Pa.
3BMK—C. V. Lyon, 5308 Haverford Ave., Philadelphia, Pa.
3BML—A. L. Burst, 3750—35th St., Mt. Rainier, Md.
3BMM—Unassigned
3BMN—R. J. Carr, 617 Union Ave., Petersburg, Va.
3BMO—G. T. Phillips, 1 Wendover, Guildford, Balto., Md.
3BMP—I. J. Gainan, 2203 Thompson St., Philadelphia, Pa.
3BMQ—J. H. Naylor, Erial Rd., Clementon, N. J.
3BMR—A. J. Thorober, 1855 N. 28th St., Philadelphia, Pa.
3BMS—G. F. Hall, 153 E. Gorgas Lane, Philadelphia, Pa.
3BMT—H. B. Stott, 4325 Otter St., W. Philadelphia, Pa.
3BMU—J. W. Bayless, 239 Hook Rd., Sharon Hill, Pa.
3BMV—C. I. Chapman, 1610 Waverly St., Philadelphia, Pa.
3BMW—F. J. Holzheimer, 5167 Ogden St., Phila., Pa.
3BMX—J. H. Mallon, 143 Gorgas Lane, Philadelphia, Pa.
3BMY—C. Bates, 928 Pearl St., Camden, N. J.
3BMZ—G. Knapp, Jr., 948 Linden St., Camden, N. J.
3BN—Unassigned
3BNA—F. Teal, 5527 Parris St., Philadelphia, Pa.
3BNB—E. Waterhouse, 4924 Fairhill St., Philadelphia, Pa.
3BNC—Unassigned
3BND—Unassigned
3BNE—H. Kroskin, 1044 Highland Ave., Norfolk, Va.
3BNF—H. W. Squires, Fort Monroe, Va.
3BNG—A. E. Poonmao, 108—2d St., Highspire, Pa.
3BNH—C. C. Baker, Quakertown, Pa.
3BNI—E. R. Kimball, Box No. 147, Branchville, N. J.
3BNJ—W. R. Graves, 103 S. Dover St., Atlantic City, N. J.
3BNK—B. C. Reinard, 373—2d Ave., Phoenixville, Pa.
3BNL—J. W. Fulmer, 130 S. 10th St., Easton, Pa.
3BNM—R. M. Kasey, 322 Maiq St., Salem, Va.
3BNN—E. Bossieux, 3003 Broad St., Richmond, Va.
3BNO—E. C. Snyder, 18th & Holly Sts., Harrisburg, Pa.
3BNP—E. Rossiter Fait, 343 High St., Pottstown, Pa.
3BNQ—W. G. Armstrong, 333 High St., Pottstown, Pa.
3BNR—E. Middleton, Jr., 40 West End Av., Trenton, N. J.
3BNS—P. S. Klein, 548 W. James St., Lancaster, Pa.
3BNT—A. E. Dennis, 1314 Ferry St., Easton, Pa.
3BNU—O. A. Hiskey, 22 W. Fairview St., Bethlehem, Pa.
3BNV—Unassigned
3BNW—Unassigned
3BNX—D. E. Hunt, 639 Belmont St., Easton, Pa.
3BNY—G. S. Townsley, 381 W. Main, New Holland, Pa.
3BNZ—J. Mazerski, 1622 Clement St., Baltimore, Md.
3BO—G. Kressel, 1101 Baird Ave., Camden, N. J.
3BOA—G. R. McMahon, 5028 Ogden, Philadelphia, Pa.
3BOB—H. J. Gibson, Rolling and State, Springfield, Pa.
3BOC—C. Tayler, Bonne Brae Farm, Langhorne, Pa.
3BOD—G. F. Fennell, 553 E. Mayland, Germantown, Phila.
3BOE—F. G. Huss, 835 Cheltenham, Philadelphia, Pa.
3BOF—E. Harrison, 1006 Cameron St., Alexandria, Va.
3BOG—T. H. Magness, Jr., 11 E. Read St., Baltimore, Md.
3BOH—Unassigned
3BOI—A. A. Eaches, S.E. Cor. Gay and Griffin, Phoenixville, Pa.
3BOJ—O. C. Smith, 24 8th St., Quakertown, Pa.
3BOK—G. E. Hower, 64 Wall St., Bethlehem, Pa.
3BOL—W. Little, 2321 Hicks St., Philadelphia, Pa.
3BOM—C. E. Schmutz, 1225 N. Croskey, Phila., Pa.
3BON—N. Sorrentino, 819 Sears St., Philadelphia, Pa.
3BOO—L. Treen, 2127 N. 5th St., Philadelphia, Pa.
3BOP—L. W. Zindel, Berlin Rd., Clementon, N. J.
3BOQ—A. P. Fort, 414 W. Stafford, Germantown, Pa.
3BOR—G. M. Opton, 46 W. Washington, Germantown, Pa.
3BOS—C. J. Mondrosch, 2130 Seybert, Philadelphia, Pa.
3BOT—M. H. Low, 931 Point St., Camden, N. J.
3BOU—E. M. Werner, 2036 Russell, Philadelphia, Pa.
3BOV—S. J. Strobel, 3923 N. 6th St., Philadelphia, Pa.
3BOW—J. De Fonso, 2530 S. Jessup St., Philadelphia, Pa.
3BOX—H. P. Deacon, Jr., 5904 Wayne, Philadelphia, Pa.
3BOY—E. S. Frey, 136 Lemon St., Lancaster, Pa.
3BOZ—E. W. Knapp, Jr., 3408 Marshall Drexel Hill, Pa.
3BP—E. B. Patterson, 42 W. Walnut, Merchantville, N. J.
3BPA—S. Glaser, 2719 Maromb, Washington, D. C.
3BPB—F. W. Puterberger, 13 League St., Phila., Pa.
3BPC—H. Kunzmann, Fortress Monroe, Va.
3BPD—Unassigned
3BPE—C. O. Wilson, 1640 W St., SE., Washington, D. C.
3BPF—G. M. Phillips, 413 E. Capitol, Washington, D. C.
3BPG—C. W. Pfeiter, 434 N. Patterson Baltimore, Md.
3BPH—R. W. Finger, 448 Roydon, Camden, N. J.
3BPI—G. R. Barker, 536 6th St. SW., Washington, D. C.
3BPJ—H. Wolf, 314 W. 8th St., Chester, Pa.
3BPK—F. C. Nagel, 357 N S. SW., Washington, D. C.
3BPL—Unassigned
3BPM—A. Greenwald, 1338 Reno St., Philadelphia, Pa.
3BPN—H. Steinour, 1125 Gorsuch, Baltimore, Md.
3BPO—Z. R. Wright, 610 6th St. NE., Washington, D. C.
3BPP—D. C. Mills, 812 Whittier Pl., Washington, D. C.
3BPQ—E. B. Sandrus, 314 Main St., Parkersburg, Pa.
3BPR—V. E. Powers, 1715 Guilford, Baltimore, Md.
3BPS—Unassigned
3BPT—Unassigned
3BPU—J. G. Drolet, 5201 Woodland, Philadelphia, Pa.
3BPV—E. M. Reilly, 2835 N. 25th, Philadelphia, Pa.
3BPW—B. D. Oldham, 1524 Fairmont Philadelphia, Pa.
3BPX—N. D'Ascenzo, 425 W. Price, Germantown, Pa.
3BPY—A. G. Windston, 135 Powelton, Woodlynne, N. J.
3BPZ—J. W. Boorse, 219 E. 3rd St., Landsdale, Pa.
3BQ—Unassigned
3BQA—E. F. Montanye, 8017 Pine Rd., Fox Chase, Pa.
3BQB—H. A. Readknight, 127 E. Willard, Phila., Pa.
3BQC—T. F. Hounsell, 23 50th, Philadelphia, Pa.
3BQD—W. A. Ryan, 612 9th, SW., Washington, D. C.
3BQE—F. Stelwagon, Jr., 4517 N. 11th, Philadelphia, Pa.
3BQF—G. F. Warren, Evesham Ave., Magnolia, N. J.
3BQG—G. H. Eckert, 1805 E. Federal, Baltimore, Md.
3BQH—A. E. Eckels, 26 Ailsa, Baltimore, Md.
3BQI—E. R. Steuzel, 2927 N. 11th, Philadelphia, Pa.
3BQJ—Lansdowne Radio Assn., Lansdowne, Pa.
3BQK—L. F. Gares, 237 Mill St., Bristol, Pa.
3BQL—J. F. Lauer, Jr., 5956 Cobbs Creek Pky., Phila., Pa.
3BQM—E. M. Fitzkee, 2531 Montgomery, Philadelphia, Pa.
3BQN—R. G. Weitzel, 2605 Montgomery, Philadelphia, Pa.
3BQO—A. King, 209 St. Mary, Burlington, N. J.
3BQP—H. S. Conrad, 432 S. 62nd, Philadelphia, Pa.
3BQQ—J. Rasmussen, 2010 Partridge St., Trenton, N. J.
3BQR—M. E. Thompson, 45 3rd St., Steelton, Pa.
3BQS—G. K. Vander, 229 S. 4th St., Steelton, Pa.
3BQT—Unassigned
3BQU—E. R. Pontie, 7 N. Florida, Atlantic City, N. J.
3BQV—J. S. Palmer, 618 S. Prince, Lancaster, Pa.
3BQW—H. H. Katzenbach, Jr., 467 State Trenton, N. J.
3BQX—H. Weinberg, 3408 Hawthorne, Richmond, Va.
3BQY—C. A. Hacter, Hill School, Pottstown, Pa.
3BQZ—C. J. Backman, Broad St., Malvern, Pa.
3BR—F. J. O'Brien, 2226 N. Carlisle, Philadelphia, Pa.
3BRA—W. H. Rushworth, Broad St., Malvern, Pa.
3BRB—Unassigned
3BRC—G. C. Scott, Jr., Cary Street Rd., Richmond, Va.
3BRD—D. H. Opperman, Market St., Comp Hill, Pa.
3BRE—W. D. Conover, Ventnor, Atlantic City, N. J.
3BRF—R. S. Williamson, 328 Colleg Lancaster, Pa.
3BRG—W. S. Black, Washington St., Lemoyne, Pa.
3BRH—Unassigned
3BRI—Unassigned
3BRJ—Unassigned
3BRK—A. Bloomenthal, 437 Reilly St., Harrisburg, Pa.
3BRL—J. L. Wertz, Main St., Shiremanstown, Pa.
3BRM—R. H. Braue, 845 Styvesant, Trenton, N. J.
3BRN—Y. Farley, Malvern, Pa.
3BRO—E. Axelson, 207 2nd Ave., Anglesea, N. J.
3BRP—W. J. Pessano, 501 S. 57th, Philadelphia, Pa.
3BRQ—C. S. Fulton, 713 Ash Ave., Collingdale, Pa.
3BRR—E. J. Rieken, 2632 W. Cumberland Phila., Pa.
3BRS—S. Fletcher, 321 E. Union, Burlington, N. J.
3BRT—F. A. Prosser, 623 N. 8th St., Camden, N. J.
3BRU—J. C. Gillies, 2333 S Lee, Philadelphia, Pa.
3BRV—C. A. Carskadon, 208 4th, Haddon Heights, N. J.
3BRW—R. Fegert, Andalusia, Pa.
3BRX—Unassigned
3BRY—H. G. Torboss, Jr., 3944 Market, Philadelphia, Pa.
3BRZ—W. T. Betts, Jr., 51 W. Upsal, Philadelphia, Pa.
3BS—Unassigned
3BSA—Unassigned
3BSB—D. J. Detwiler, 1120 Virginia, SW, Wash., D. C.
3BSC—H. P. Holz, 1902 N. 11th St., Philadelphia, Pa.
3BSD—W. Thomson, 313 Church St., Trenton, N. J.
3BSE—C. S. Nash, 4637 N. Hutchinson, Philadelphia, Pa.
3BSF—E. V. Fairbanks, 421 E. 20th St., Chester, Pa.
3BSG—W. R. Suitor 118 W. Cliveden, Philadelphia, Pa.
3BSH—J. J. Nichols, Mt. Pleasant Ave., Ambler, Pa.
3BSI—C. W. Mullen, 4637 Fairmont, Philadelphia, Pa.
3BSJ—A. Vahlivia, 3710 Elm Ave., Baltimore, Md.
3BSK—F. Applegate, 34 Hillcrest, Trenton, N. J.
3BSL—J. C. K. Royahn, New Britain, Pa.

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3BSN—J. C. Roberts, Chalfont, Pa.
3BSO—J. A. Fearn, 1750 N. Lambert, Philadelphia, Pa.
3BSP—E. H. Haines, 51 Browning St., Cumberland, Md.
3BSq—Unassigned
3BSR—C. H. Kauffman, 1501 9th St., Reading, Pa.
3BSS—T. A. Kellum, 30 3rd Ave., Claymont, Del.
3BST—L. K. Holland, Pennsylvania Ave., Bangor, Pa.
3BSU—L. M. Dallas, 221 S. Bouldin, Baltimore, Md.
3BSV—C. L. Dirickson, The Cedars, Berlin, Md.
3BSW—I. B. Harrison, 211 Main St., Berlin, Md.
3BSX—Unassigned
3BSY—H. Alrich, 1942 N. Front St., Philadelphia, Pa.
3BSZ—R. George, 1438 N. 60th St., Philadelphia, Pa.
3BT—M. Ferris, 719 Redgate, Norfolk, Va.
3BTA—A. C. Whitaker, Jr., 72 N. Pearl, Bridgeton, N. J.
3BTB—Unassigned
3BTC—A. Wilkening, 6419 Lebanon Ave., Phila., Pa.
3BTD—H. M. Mitchell, 1877 Monroe St., Washington, D. C.
3BTE—T. F. Strawn, 919 W. Broad St., Quakertown, Pa.
3BTF—Unassigned
3BTG—A. J. Gill, 1823 N 59th St., Philadelphia, Pa.
3BTH—W. K. Rieben, 2632 Cumberland, Philadelphia, Pa.
3BTI—R. W. Bry, 1812 N. 17th St., Philadelphia, Pa.
3BTJ—W. M. Masland, 1202 Stratford, Melrose Pk., Pa.
3BTK—J. K. Rulon, 525 S. 42nd St., Philadelphia, Pa.
3BTL—P. P. Swartz, 118 Thompson Ave., Ardmore, Pa.
3BTM—A. R. Pettit, 406 N. 6th St., Camden, N. J.
3BTN—E. Kroeger, 7200 Rising Sun, Philadelphia, Pa.
3BTO—J. H. Eppinger, 1520 N. 60th, Philadelphia, Pa.
3BTP—E. T. Lackey, 2013 Cliftwood, Baltimore, Md.
3BTQ—A. E. Claus, Jr., 22 E. Delaware, Pennington, N. J.
3BTR—R. Dell, 215 Ruth Ave., Hanover, Pa.
3BTS—R. F. Zimmerman, 211 Park St., Waynesboro, Pa.
3BTT—Germantown H. S. Radio Club, Philadelphia, Pa.
3BTU—W. R. Crooks, 4034 7th St., Philadelphia, Pa.
3BTV—C. Clunn, 705 E. Main St., Millville, N. J.
3BTW—O. A. Knight, New Cathedral Cemetery, Balto., Md.
3BTX—C. L. Myers, 1324 N. 57th St., Philadelphia, Pa.
3BTY—J. R. Mowery, Jr., 529 W. Leaman, Lancaster, Pa.
3BTZ—F. L. Meyers, 234 Atlantic St., Bridgeton, N. J.
3BU—R. B. Wailes, 3118 14th St. NW., Wash., D. C.
3BUA—W. J. Madden, 10 Franklin St., N.E., Wash., D. C.
3BUB—J. J. Mutch, 2721 Fenwick St., Baltimore, Md.
3BUC—H. C. Spicer, 811 E. 2nd St., Baltimore, Md.
3BUD—W. L. Hamilton, 1600 E. 28th St., Baltimore, Md.
3BUE—R. B. Pottorff, Wayne Bldg., Waynesboro, Pa.
3BUF—J. C. Kline, Mathews C. H., Va.
3BUG—J. Schenker, 2017 N. 9th St., Philadelphia, Pa.
3BUH—G. W. McLaughlin, 1803 N. 59th, Philadelphia, Pa.
3BUI—Unassigned
3BUJ—I. C. Tevis, Jr., Oak Ave., Woodbury Hght., N. J.
3BUK—L. Lavinthal, 504 Riverside, Trenton, N. J.
3BUL—T. E. Gibb, 1100 N. 20th St., Richmond, Va.
3BUM—H. Fletcher, 3430 Crawford St., Philadelphia, Pa.
3BUN—G. Hull, 2010 Stella St., Philadelphia, Pa.
3BUO—W. B. Tolbert, 7037 Hegerman, Tacony, Pa.
3BUP—H. R. Sinn, Boosevelt & Phawn, Phila, Pa.
3BUQ—Unassigned
3BUR—A. Offutt, 127 Charles St., Annapolis, Md.
3BUS—W. A. Rogge, 314 New Broadway, Brooklawn, N. J.
3BUT—E. C. Brantly, 1701 Cottman, Philadelphia, Pa.
3BUU—A. V. Pular, 1250 S. 53rd St., Philadelphia, Pa.
3BUV—E. Wegner, 216 W. Greenwich, Bethlehem, Pa.
3BW—V. Feinstein, 901 N. 100th St., Phila., Pa.
3BUX—K. R. Stroud, 1932 Somerset, Philadelphia, Pa.
3BUY—L. E. Knight 609 Prince St., Alexandria, Va.
3BUZ—E. G. Pennock, 243 Harvey St., Germantown, Pa.
3BV—P. G. Watson, 214 W. Barnard St., W. Chester, Pa.
3BVA—F. Link, 40 Beaver St., York, Pa.
3BVB—G. T. Scott, 326 Broad St., Portsmouth, Va.
3BVC—L. W. Ballon, 110 Florida Ave., Portsmouth, Va.
3BVD—Unassigned
3BVE—H. H. Smith, 1019 N. Park, Haddon Hght., N. J.
3BVF—W. J. Staats, Jr., 50 W. Maple, Merchantville N. J.
3BVG—G. H. Tafel, Jr., 919 S. St. Bernard, Phila., Pa.
3BVH—B. W. Cost, 220 Potomac St., Hagerstown, Md.
3BVI—F. H. Calhoun, 975 Locust Gr., Charlottesville, Va.
3BVJ—V. H. Fager, Jr., 410 N. 2nd St., Harrisburg, Pa.
3BVK—J. Groomes, 415 Franklin, Hagerstown, Md.
3BVL—T. and F. E. Kock, 1613 Grace St., Richmond, Va.
3BVM—R. G. Teese 2175 E. Letterly, Philadelphia, Pa.
3BVN—Haverford College Radio Club, Haverford, Pa.
3BVO—D. Myers, 5814 Hasbrook St., Philadelphia, Pa.
3BVP—H. V. Sweeney, 64 Ashland, West Manayunk, Pa.
3BVQ—H. S. Reynolds, Main St., Rising Sun, Md.
3BVR—T. Leaf 129 S. 59th St., Philadelphia, Pa.
3BVS—C. W. Kenyon, 701 Monmouth St., Trenton, N. J.
3BVT—Unassigned
3BVU—J. S. Worth, 2nd, St. Dand's, Davids, Pa.
3BVV—J. R. Waugh, Jr., 220 Arctic, Atlantic City, N. J.
3BVW—J. R. Waugh, Jr., 2200 Arctic Atantic City, N. J.
2BVX—W. G. Pierce, 34 W. Phil Ellena St., Phila., Pa.
3BVY—C. Flack, 645 Sedgwick St., Philadelphia, Pa.
3BVZ—E. P. Moxey, 6629 Quincy, Germantown, Phila., Pa.
3BW—Unassigned
3BWA—W. A. Myers, 2506 N. 18th, Philadelphia, Pa.
3BWB—W. L. Oppenheimer, 105 Towanda, Melrose Pk., Pa.
3BWC—E. C. Bowe, State Rd., Enola, Pa.
3BWD—H. Schwabe, 915 Mt. Vernon St., E., Phila., Pa.
3BWE—T. Simpson, 286 Aschmeade, St., Germantown, Pa.
3BWF—W. J. Nachtigale 2238 Lee, Philadelphia, Pa.
3BWG—F. G. Schuler, 2735 N. 25th, Philadelphia, Pa.
3BWH—J. F. Carberry, 2825 Kensington, Philadelphia, Pa.
3BWI—J. B. McGee, 607 E. Allegheny, Philadelphia, Pa.
3BWJ—N. Wefike, 120 Frazer, Collingswood, N. J.
3BWK—J. A. Morris, 1239 N. 6th, Philadelphia, Pa.
3BWL—S. L. Seaton Washington Grove, Md.
3BWM—L. P. Todd, 829 Stokes, Collingswood, N. J.
3BWN—H. C. Robb, Jr., 816 Whittier, N.W., Wash., D. C.
3BWO—G. G. Hagerman, 1075 Lalor St., Trenton, N. J.
3BWP—A. C. Chamberlin, 313 Broad, Bethlehem, Pa.
3BWQ—J. Danley, Main St., Groveville, N. J.
3BWR—J. T. Keelins, 118 E. 3rd St., New Castle Del.
3BWS—M. Y. Flory, 763 N. 39th, Philadelphia, Pa.
3BWT—E. W. Darne, 132 Tennessee, N.E., Wash., D. C.
3BWU—V. Erickson, 1911 N. Park, Philadelphia, Pa.
3BWV—B. Delzeit, Jr., London Ave., Berlin, N. J.
3BWW—W. C. Guise, 504 Wallace St., York, Pa.
3BWX—C. Keracofe, 62 W. Main, Mechanicsburg, Pa.
3BWY—L. M. Price, Pocahontas, Va.
3BWZ—Unassigned
3BX—F. and H. Dietz, 2228 N. Fairhill, Philadelphia, Pa.
3BY—H. R. Humpton, 103 Sibley Ave., Ardmore, Pa.
3BZ—W. T. Gravely, 854 Main St., Danville Va.
3CA—J. F. Wahlford, 118 Cambridge Ave., Roanoke, Va.
3CAA—Boy Scouts of America, T. S., Center Ave. and Oley St., Reading, Pa.
3CAB—C. A. Briggs, 1521 Oak St., N.W., Wash., D. C.
3CAC—F. Sandruck, Jr., 1127 W. North, Baltimore Md.
3CAD—A. Woodruff, 6042 Norwood St., Philadelphia, Pa.
3CAE—R. Frick, 2413 W. Eckhart Philadelphia, Pa.
3CAF—F. Turner, 2052 N. 26th St., Philadelphia, Pa.
3CAG—H. Martin, 2406 Allegheny Ave., Philadelphia, Pa.
3CAH—W. M. Punk, 7306 Germantown Ave., Phila., Pa.
3CAI—Unassigned
3CAJ—E. F. Turner, South Langhorne, Pa.
3CAK—J. B. Letherbury 710 Wingohocking St., Phila., Pa.
3CAL—S. C. VanFleet, 2006 Columbia Bd., Wash., D. C.
3CAM—Unassigned
3CAN—D. H. Farrell, Bustelton Ave. & Cottman, Frankford, Pa.
3CAO—L. T. Harvey, 125 Anacosta Rd., Washington, D. C.
3CAP—J. G. Bates, Jr., 234 South St., Morristown, N. J.
3CAQ—L. M. Voneulin, 3526 New Hampshire, Wash., D.C.
3CAB—W. S. Kaltenstein, 1109 Olive St., Philadelphia, Pa.
3CAS—Unassigned
3CAT—W. S. White, 6611—10th St., Philadelphia, Pa.
3CAU—G. Peterson, Jr., 35 W. Montgomery, Ardmore, Pa.
3CAV—A. Perlouise, 2221 Taskner St., Philadelphia, Pa.
3CAW—W. W. Slocum, 244 Montgomery Av., Ardmore, Pa.
3CAX—Unassigned
3CAY—F. T. Kessler, Jr., 1012 Duncannon Av., Phila., Pa.
3CAZ—A. Finkler, 2155—6th St. N., Philadelphia, Pa.
3CB—Unassigned
3CBA—J. Parker, 33 Holland Ave., Ardmore, Pa.
3CBB—C. A. Green, 2660 N. 16th St., Philadelphia, Pa.
3CBC—E. R. Sagel, 5743 Osage Ave., Philadelphia, Pa.
3CBD—R. J. Bleile, 2819 Kensington St., Philadelphia, Pa.
3CBE—Unassigned
3CBF—L. J. Arthur, 3428 Evergreen Terrace, Balto., Md.
3CBG—B. F. Biben, 5621 Pine St., Philadelphia, Pa.
3CBH—S. E. Smith, Jr., 5011 Chester Ave., Phila., Pa.
3CBI—J. M. Hesser, 904 "B" St. S.W., Washington, D. C.
3CBJ—H. W. Baker, 135 Baltimore St., Gettysburg, Pa.
3CBK—H. L. Sheldon, 619 Spruce St. W., Anglesea, N. J.
3CBL—C. J. Stocker, 330—2d St., Reading, Pa.
3CBM—D. Schell, 12 W. Main St., Myerstown, Pa.
3CBN—C. N. Jones, Jr., Talbot St., St. Michaels, Md.
3CBO—H. E. Seibel, 503 Southard St., Trenton, N. J.
3CBP—B. M. Schwanger, Elizabethtown, Pa.
3CBQ—M. Harwood, 3001 Broad St., Richmond, Va.
3CBR—K. R. Shockley, Chestnut St., St. Michaels, Md.
3CBS—J. B. Bugbee, 565 Rutherford St., Trenton, N. J.
3CBT—H. B. Cowan, Norwood St., Atglen, Pa.
3CBU—D. K. Hendrix, Green St., Shiremanstown, Pa.
3CBV—L. P. & F. H. Hamburger, 1207 Eutaw, Balto., Md.
3CBW—K. M. Shambaugh, 650 N. 2d St., Lykens, Pa.
3CBX—P. W. Sutter, 317 Butherford St., Trenton, N. J.
3CBY—Unassigned
3CBZ—J. Ritchie, Stribling Ave., Charlottesville, Va.
3CC—C. W. Weber, Huntingdon Rd., Abington, Pa.
3CCA—W. B. Finnegan, 5744 N. Sydenham St., Phila., Pa.
3CCB—Wash. & Lee Univ., Univ. Campus, Lexington, Va.
3CCC—S. Oldham, 6008 Tulip St., Philadelphia, Pa.
3CCD—J. R. Matteson, 2036 Ritner St., Philadelphia, Pa.
3CCE—J. P. Cooper, Market St., Camp Hill, Pa.
3CCF—C. G. Myers, 48 Main St., Mechanicsburg, Pa.
3CCG—F. A. Goss, Jr., R.F.D. 1, Washington Valley, N. J.
3CCH—S. L. Bast, 222 N. 2d St., Reading, Pa.
3CCI—F. D. Fuss, 5402—5th St., Olney, Philadelphia, Pa.
3CCJ—J. P. McClary, 18 Maple Ave., Flemington, N. J.
3CCK—T. S. McCaleb, 717 Redgate St., Norfolk, Va.
3CCL—G. A. Daniels, 748 S. 53d St., Philadelphia, Pa.
3CCM—T. Moore, 560 Mansion Ave., Haddonfield, N. J.
3CCN—E. Newman, 1416 S. 27th St., Philadelphia, Pa.
3CCO—N. S. Haddon, II N. Yewdell St., Philadelphia. Pa.
3CCP—W. A. Mears, Jr., 836 N. 24th St., Philadelphia, Pa.
3CCQ—J. J. Oneill, 1624 French St., Philadelphia, Pa.
3CCR—L. Bewley, 2630 Atlantic Ave., Atlantic City, N. J.
3CCS—Unassigned
3CCT—Unassigned
3CCU—D. S. Strine, Emigsville, Pa.
3CCV—J. W. Morrow, Wernersville, Pa.
3CCW—C. R. Hocker, 2708 Canby St., Penbrook, Pa.
3CCX—H. G. Noch, 2200 N. 3d St., Harrisburg, Pa.
3CCY—J. C. Thompson, Locust St., Camp Hill, Pa.
3CCZ—J. L. Rowland, 78 Warren St., Pottstown, Pa.
3CD—D. D. Moore, 603 University Parkway, Balto., Md.
3CDA—E. T. Denton, 10 S. Church St., West Chester, Pa.
3CDB—C. F. Brown, 413 Christian St., Steelton, Pa.
3CDC—B. B. Kern, 361 Main St., S'atington, Pa.
3CDD—W. H. Durst, 133 N. Fanson St., Philadelphia, Pa.
3CDE—W. D. Geiser, 4630 N. 11th St., Philadelphia, Pa.
3CDF—M. G. Clay, 606—7th St. N.E., Washington, D. C.
3CDG—John & James Hersker, Gomer, 142 N. 50th St., Philadelphia, Pa.
3CDH—Easton Radio Co., 404 Northampton St., Easton, Pa.
3CDI—Unassigned
3CDJ—H. C. Roberts El. Sup. Co., 1101-5 Race, Phila., Pa.
3CDK—S. C. Hooker, Jr., Mountain Rd., Mendham, N. J.
3CDL—Unassigned
3CDM—H. Willier, 4211 N. 7th St., Philadelphia, Pa.
3CDN—L. J. Heine, 225 Broad St., Bethlehem, Pa.
3CDO—Dr. J. B. Lawrence, 204 Market, Harrisbug, Pa.
3CDP—A. G. Griffis, Jr., 9 Railroad Av., Penn's Gr., N. J.
3CDQ—E. Zondonini, 3320—19th St. N.W., Wash., D. C.
3CDR—T. H. Keys, 323—11th St. N.E., Washington, D. C.
3CDS—R. W. Frederick, 365 Schuylkill St., Reading, Pa.
3CDT—P. Haus, Point Pleasant, Pa.
3CDU—M. Furlong, 906 S. Clinton St., Baltimore, Md.
3CDV—L. Keech, Ardmore Rd., Gladwin, Pa.
3CDW—S. H. Inns, Pincy Point, Md.
3CDX—J. W. O'Brien, 1922 Carey St., Philadelphia, Pa.
3CDY—E. M. Jacobs, 7 Mackey St., Cherrydale, Va.
3CDZ—R. Dickerson, 3122 Barton Ave., Richmond, Va.
3CE—A. C. Bigelow, 833 W. State St., Trenton, N. J.
3CEA—H. Hill, 428 Main St., Bedford, Va.
3CEB—Unassigned
3CEC—R. S. Morton, Broadway & Market, Salem, N. J.
3CED—E. C. Reed, 18 N. Sovereign St., Atl. City, N. J.
3CEE—D. Fritsch, 708 High St., Lancaster, Pa.
3CEF—A. Manning, 2516 Jefferson St., Harrisburg, Pa.
3CEG—G. L. Kreider, P. O. Box No. 856, Annville, Pa.
3CEH—A. Bekis, 207 McKean St., Philadelphia, Pa.
3CEI—F. L. Kahmer, 5226 Linden Hgts. Ave., Balto., Md.
3CEJ—F. Fugazzi, 847 Upshur St. N.W., Wash., D. C.
3CEK—Unassigned
3CEL—G. Hammond, Ashville, Va.
3CEM—J. L. Miller, Jr., 535 Lemon St., Lancaster, Pa.
3CEN—I. P. Dohner, 411 W. Main St., Annville, Pa.
3CEO—G. Hautenschild, 15 Logan Ave., Audubon, N. J.
3CEP—R. D. Prosser, 512 Madison St., Hackettstown, N. J.
3CEQ—L. E. Hastings, 1340 Farimont, N.W., Wash., D. C.
3CER—Unassigned
3CES—Unassigned
3CET—E. Westervelt, 2d, Fuller Ave., Chatham, N. J.
3CEU—Unassigned
3CEV—A. W. Gross, 936 Maple Ave., Collingswood, N. J.
3CEW—D. E. Brink, 633 Stokes Ave., Collingswood, N. J.
3CEX—K. Brenner, 16 Garfield St., Collingswood, N. J.
3CEY—R. Raysbrook, 3350 Park Ave., N. Philadelphia, Pa.
3CEZ—R. A. Blazer, 205 Cuthbert Rd., Collingswood, N. J.
3CF—R. F. Basford, 5105 Brown St., Philadelphia, Pa.
3CFA—L. Bobb, 2931 N. 23d St., Philadelphia, Pa.
3CFB—M. A. Pentz, Denton, Md.
3CFC—J. N. Fricker, 3506 Berwyn Ave., Baltimore, Md.
3CFD—I. Fine, 4004 Main Av., Forest Pk., Baltimore, Md.
3CFE—S. A. Hiler, Box 277, Lindale Pk., Bockaway, N. J.
3CFF—T. J. Lehr, 2346 State St., Penbrook, Pa.
3CFG—Matthew J. Latish, Box 49, R.F.D. 1, Cranbury, N.J.
3CFH—Unassigned
3CFI—W. C. Jones, 381 Gowen Av., Mt. Airy, Phila., Pa.
3CFJ—F. W. Convery, 120 Mill St., Moorestown, N. J.
3CFK—Unassigned
3CFL—W. Thompson, 55 E. Main St., Moorestown, N. J.
3CFM—S. E. Hornyak, 31 White House Pike, Audubon, N.J.
3CFN—W. F. Jackson, 106 Bayard Lane, Princeton, N. J.
3CFO—Unassigned
3CFP—H. Towle, Jr., 214 Cooper St., Woodbury, N. J.
3CFQ—B. F. Booth, Liberty Theatre, Fort Monroe, Va.
3CFR—R. W. Fluharty, Denton, Md.
3CFS—E. H. Albert, 326—4th Ave., Phoenixville, Pa.
3CFT—C. M. Sparks, 2 Lee Ave., Willow Grove, Pa.
3CFU—G. Sonneborn, 2335 N. Leithgow St., Phila., Pa.
3CFV—I. W. Melton, Jr., B.F.D. 2, Glen Allen, Pa.
3CFW—W. R. Olinger, Nokesville, Va.
3CFX—J. C. Harper, Talbot St., St. Michaels, Md.
3CFY—R. E. Wagstaff, R.F.D. 1, Herndon, Va.
3CFZ—G. D. Erb, 346 Bridge St., Phoenixville, Pa.
3CG—J. G. Leitch, 1537 Poplar Grove St., Baltimore, Md.
3CGA—The Episcopal Academy, Overbrook, Pa.
3CGB—P. Perdue, 1411 "U" St. N.W., Washington, D. C.
3CGC—R. L. Kelly, Druid Hill Park, Baltimore, Md.
3CGD—L. W. Peer, Jr., Main Rd., Denville, N. J.
3CGE—B. Mayor, 104 Mercer St., Princeton, N. J.
3CGF—B. A. Lloyd, 27 County St., Phoebus, Va.
3CGG—F. V. O. Reedy, 118 Washington St., Milford, Del.
3CGH—W. H. Newbold, R.F.D. 1, Langhorne, Pa.
3CGI—R. W. Harbaugh, R. 4, Box 144, Waynesboro, Pa.
3CGJ—S. C. Henninger, 216 E. Railroad, Summit Hill, Pa.
3CGK—R. C. Windsor, 414 N. Arlington Ave., Balto., Md.
3CGL—J. R. Lunsford, 244 S. 12th St., Philadelphia, Pa.
3CGM—J. Boyer, State Rd., Gladwyne, Pa.
3CGN—C. O. Caulton, 5006 Willows Av., Philadelphia, Pa.
3CGO—A. P. Welzel, 1825 Franklin St., Philadelphia, Pa.
3CGP—E. Uzumecki, 300 Wharton St., Philadelphia, Pa.
3CGQ—J. E. Welsh, 231 S. Lee St., Philadelphia, Pa.
3CGR—G. G. McCoy, 2300 Arunah Ave., Baltimore, Md.
3CGS—H. W. Stark, 1510 Robinson St., Philadelphia, Pa.
3CGT—G. M. Rosenstein, 2131 W. Ontario St., Phila., Pa.
3CGU—H. Brown, 65 Herman St., Philadelphia, Pa.
3CGV—G. Barnes, 113 Mansion Ave., Haddonfield, N. J.
3CGW—Unassigned
3CGX—T. Finnerty, 241 Woodlawn Ter., Collingswood, N.J.
3CGY—R. B. Batte, 916 Raleigh Ave., Norfolk, Va.
3CGZ—F. B. Hineline, 443 Park Ave., Collingswood, N. J.
3CH—E. A. Bemis, 1424 Poplar Grove St., Baltimore, Md.
3CHA—W. H. Hamilton, 8 Winona Ave., Norwood, Pa.
3CHB—Poly Radio Assn., North Av. & Calvert, Balto., Md.
3CHC—H. F. Sheehan, 1342 N. Carolina Av., Wash., D. C.
3CHD—G. V. Schisselbauer, 1341 Kerbaugh St., Phila., Pa.
3CHE—Hans C. Hansen, 112 E. 3d St., Anglesea, N. J.
3CHF—Dr. J. W. Crozier, 5234 Catharine St., Phila., Pa.
3CHG—E. R. Gabel, 412 Meredith St., Kennett Sq., Pa.
3CHH—J. A. C. Krips, 105 Fern Ave., Collingswood, N. J.
3CHI—S. V. Moffett, 5326 Angora Ter., Philadelphia, Pa.
3CHJ—J. T. Neath, 405 Westmont Ave., Haddonfield, N. J.
3CHK—W. P. Overbeck, 5712 Pentridge St., Phila., Pa.
3CHL—W. Parks, 4932 Walton Ave., Philadelphia, Pa.
3CHM—Unassigned
3CHN—C. Urbach, 2654 N. Oakney St., Philadelphia, Pa.
3CHO—A. A. Walker, Box 16, 2d St., Pike, Bethayres, Pa.
3CHP—R. W. Lohman, 2451 N. 5th St., Harrisburg, Pa.
3CHQ—Ralph O. Cox, Hunton, Va.
3CHR—W. S. Griffith, 47 S. Main St., Pennington, N. J.
3CHS—F. J. Blasweck, Jr., 1330 S. 3d St., Phila., Pa.
3CHT—A. E. Newcomb, 2727 S. 12th St., Philadelphia, Pa.
3CHU—H. D. Ogden, 735 N. 38th St., Philadelphia, Pa.
3CHV—R. George, 14 N. 60th St., Philadelphia, Pa.
3CHW—Unassigned
3CHX—K. Wiegandt, 526—2d Ave., Bethlehem, Pa.
3CHY—W. J. Zaun, Box 78a, Dumbarton, Va.
3CHZ—J. M. Krumm, 1604 E. 32d St., Baltimore, Md.
3CI—H. A. S. Daly, 124 Villa Rd., Clarendon, Va.
3CIA—R. A. Dennis, North West Ave., Vineland, N. J.
3CIB—R. P. Glemser, 1022 Indiana Ave., Philadelphia, Pa.
3CIC—L. A. Laser, 1517 Kenilworth Av., Kenilworth, D. C.
3CID—H. Cooper, 2602 Woodland Ave., Baltimore, Md.
3CIE—L. S. Panyity, 1013—20th St. N.W., Wash., D. C.
3CIF—D. H. Friedman, 1710 N. Franklin St., Phila., Pa.
3CIG—F. W. Smith, 407 Scott Ave., Glenolden, Pa.
3CIH—P. C. Oscanyan, Jr., Sparta, N. J.
3CII—G. T. Logan, 16 Bala St., Bala, Pa.
3CIJ—Junior High Sch. No. 80, Federal & Eden, Balto., Md.
3CIK—B. B. Bond, McAfee, N. J.
3CIL—E. J. Cummings, 74 Seymour St., Germantown, Pa.
3CIM—D. R. Wingate, 3130—14th St. N.W., Wash., D. C.
3CIN—H. K. Kappel, 2826 Lancaster Av., Philadelphia, Pa.
3CIO—A. L. Meiching, 3637 Lancaster Ave., Phila., Pa.
3CIP—G. W. Huff, 1430 Rhode Island, N.W., Wash., D.C.
3CIQ—Unassigned
3CIR—J. Hereford, 1410 Rhode Island, N.W., Wash., D.C.
3CIS—S. J. Hutchinson, Jr., 216 Harrison Av., Glenside, Pa.
3CIT—T. L. Dorsey, 1422 Bolton St., Baltimore, Md.
3CIU—L. Nitter, 2415 S. Sartain St., Philadelphia, Pa.
3CIV—B. Carmosin, 1654 N. Marshall St., Philadelphia, Pa.
3CIW—L. Campbell, 1209 Potomac, Georget'n, Wash., D.C.
3CIX—S. P. Dalrymple, 31½ Grant St., Dover, N. J.
3CIY—S. L. Hastings, Preston, Md.
3CIZ—W. Brunn, B.F.D. 1, Jackson, N. Plainfield, N. J.
3CJ—J. S. Campbell, 1102 Johnston St., Philadelphia, Pa.
3CJA—C. N. Seigle, Finesville, N. J.
3CJB—J. H. Jones, 730 W. Market St., Pottsville, Pa.
3CJC—E. B. Duvall & W. H. Lehr, 3912 Main Ave., Forest Pk., Baltimore, Md.
3CJD—F. L. Deichler, Jr., 221 State Rd., Highland Pk., Philadelphia, Pa.
3CJE—J. H. Eppinger, 1520 N. 60th St., Philadelphia, Pa.
3CJF—C. P. Love, 221 Florida Ave., Washington, D. C.
3CJG—G. D. Campbell, 700 Webster Ave., Portsmouth, Va.
3CJH—F. T. Van Beuran, Loantaka Ter., Chambersb'g, Pa.
3CJI—R. Dittman, 209 S. Main St., Chambersburg, Pa.
3CJJ—W. E. Savell, 14 Collins St., Pleasantville, N. J.
3CJK—L. L. Sterner, 233 Elm Terrace, York, Pa.
3CJL—B. E. Schaffstall, 1423 Vernon St., Harrisburg, Pa.
3CJM—C. L. Slentz, 22 S. 17th St., Harrisburg, Pa.
3CJN—H. E. Snyder, 822 St. John St., Allentown, Pa.
3CJO—J. M. Alexander, 109 Stokes St., Havre de Grace, Md.
3CJP—H. A. Stoudt, 1011 Washington St., Reading, Pa.
3CJQ—J. G. Woolsey, Liberty Parkway, Dundalk, Md.
3CJR—J. Steinberg, 753 Fairmount St. N.W., Wash., D. C.
3CJS—F. J. Hollweck, 2344—19th St., Philadelphia, Pa.
3CJT—C. Spencer, 3361 Frankford Ave., Philadelphia, Pa.
3CJU—N. W. Brinn, 4 Seaboard Ave., S. Norfolk, Va.
3CJV—E. B. Hardy, 301 Colloden St., Suffolk, Va.
3CJW—H. C. Kroll, 405 S. Clinton St., Baltimore, Md.
3CJX—C. J. Albright, 1219 Manchester Ave., Norfolk, Va.
3CJY—C. B. Aitchison, 202 W. Clifton Ter., Wash., D. C.
3CJZ—E. F. Duckhardt, Box 207, R.F.D. 2, Richmond, Va.
3CK—H. W. Pilch, 55 Green Village Rd., Madison, N. J.
3CKA—R. J. Jones, 1125 Bedford Ave., Norfolk, Va.
3CKB—F. J. Loeper, 927 S. 54th St., Philadelphia, Pa.
3CKC—E. Kampf, 918—18th St. N.W., Washington, D. C.
3CKD—E. B. Montague & G. M. Phillips, 711—1 St. N.E., Washington, D. C.
3CKE—C. Robinson, 1037 Compton St., Baltimore, Md.
3CKF—A. C. Birch, 2050 Wisconsin Av., Washington, D. C.
3CKG—D. S. Basim, 541 Tennessee Ave. N.E., Wash., D.C.
3CKH—S. R. Warren, Jr., 260 Green Ave., Lansdowne, Pa.
3CKI—A. A. Weiss, 2319 S. 9th St., Philadelphia, Pa.
3CKJ—F. J. Homsher, Tennis Ave. above Spruce St., North Glenside, Pa.
3CKK—F. E. Vaughan, R.F. 4, Box 115a, Hampton, Va.
3CKL—E. D. Gray, Church St., Blacksburg, Va.
3CKM—F. B. Murray, Front Royal, Va.
3CKN—E. G. Holden, 148 Lafayette St., Petersburg, Va.
3CKO—C. R. Banks, Cedarville, N. J.
3CKP—H. E. Eisenhauer, 4003—34th St., Mt. Rainier, Md.
3CKQ—J. T. L. Dickinson, Jr., 24th St., Buena Vista, Va.
3CL—E. C. Andrews, 32 S. Fallon St., Philadelphia, Pa.
3CM—C. C. Stephens, Beech Ave., Laurel Springs, N. J.
3CN—G. B. Faunce, 5 Green St., Millville, N. J.
3CO—N. B. Falconer, 317 Univ. Pkwy., Baltimore, Md.
3CP—Unassigned
3CQ—J. F. Pattison, Jr., 4639 York Rd., Philadelphia, Pa.
3CR—P. Dolan, Box 24, Fort Myer, Va.
3CS—E. G. Raser, 931 Edgewood, Trenton, N. J.
3CT—H. O. Hogan, 2105 Tioga St., Philadelphia, Pa.
3CU—J. P. Shanklin, Jr., Marion, Va.
3CV—L. Freund, 1634 N. Wolf, Baltimore, Md.
3CW—B. Elfman, 3219 Clifford, Philadelphia, Pa.
3CX—Unassigned
3CY—R. Carrington, 347 Camel St., Baltimore, Md.
3CZ—G. W. Austin, 1321 Belmont, NW., Wash., D. C.
3DA—F. L. Smith, 1405 Powell St., Norristown, Pa.
3DB—Unassigned
3DC—G. W. Eaton, Jr., 1915 S. 12, Philadelphia, Pa.
3DD—Unassigned
3DE—H. Korab Harlem & Dorchester, Catonsville, Md.
3DF—G. E. Sterling, Baltimore, Md.
3DG—M. H. Barnard, 1011 Woodbourne, Baltimore, Md.
3DH—Princeton University Radio Club, Princeton, N. J.
3DI—R. D. Pearson, Culver Lake, Branchville, N. J.
3DJ—R. Glemser, 1022 Indiana, Philadelphia, Pa.
3DK—B. Freeburger, 905 G St., NE., Washington, D. C.
3DL—P. A. Keller, Lehigh and 13th, Philadelphia, Pa.
3DM—Boy Scouts of America, T. 46, Foundry Methodist Church, Washington, D. C.

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3DN—Unassigned
3DO—J. A. Archer, 3320 Auchentoroly Tr., Balto., Md.
3DP—Unassigned
3DQ—M. J. Porter, 1628 Federal, Baltimore, Md.
3DR—P. F. Shivers, 1514 Erie, Philadelphia, Pa.
3DS—G. W. E. Shields, 1909 N. 63rd, W. Philadelphia, Pa.
3DT—Unassigned
3DU—Lower Merion Science Club, Ardmore, Pa.
3DV—L. M. Knoll, 6120 Carpenter St., Phila., Pa.
3DW—W. J. Blome, 3800 Liberty Hgts, Baltimore, Md.
3DX—G. F. MacLeod, Jr., Montgomery Ave., Ardmore, Pa.
3DY—A. Gerdenhour, 218 Park Ave., Waynesboro, Pa.
3DZ—A. W. Long, 148 W. Wayne Ave., Wayne, Pa.
3EA—C. Greenberg, 774 Brewster Ave., Philadelphia, Pa.
3EB—A. Byrne, 5137 Columbia, Philadelphia, Pa.
3EC—H. C. Gronberg, 641 Mass., N.E., Wash., D. C.
3ED—C. S. Horn, Rehoboth Beach, Del.
3EE—Unassigned
3EF—A. Milroy, Jr., 303 Monument, National Park, N. J.
3EG—W. H. Keates, Air Port Albany, Atlantic City, N. J.
3EH—W. C. Phillips & H. W. Densham, 140 Washington, Ave., Philadelphia, Pa.
3EI—N. L. Hurd, 150 The Castleton, Washington, D. C.
3EJ—R. V. Kendall, 1712 Milton Ave., Baltimore, Md.
3EK—J. C. Faulstich, 629 Seitz Ave., Easton, Pa.
3EL—S. Gustof, 104 McKean St., Philadelphia, Pa.
3EM—E. B. Duvall, 3909 Cottage, Baltimore, Md.
3EN—R. R. Taylor, 823½ N. Penn. Allentown, Pa.
3EO—A. Morgan, 314 W. Seymour, Germantown, Phila., Pa.
3EP—D. R. Lean, 434 Carson Ave., Atlantic City, N. J.
3EQ—R. Fach, 5019 Race St., Philadelphia, Pa.
3ER—E. C. Densten, 603 Calhoun St., Baltimore, Md.
3ES—W. Q. Ranft, 4102 Kate. Forrest Pk., Balto., Md.
3ET—A. Gengenbach, 108 N. Broad, Woodbury, N. J.
3EU—J. A. Bunn, Jr., 1940 N. 20th, Philadelphia, Pa.
3EV—M. Mandelkern, 1409 W. York, Philadelphia, Pa.
3EW—E. A. Taylor, Buck Lane, Haverford, Pa.
3EX—A. H. Morley, 1008 McKean, Philadelphia, Pa.
3EY—R. G. Mackendrick, 307 Amos Land, Holmes, Pa.
3EZ—I. I. Blanford, 922 North St., Portsmouth, Va.
3FA—F. Atlee, 2321 De Lancey St., Philadelphia, Pa.
3FB—W. Jordon, 126 Atlantic Ave., Atlantic City, N. J.
3FC—K. F. Gray, 1849 Lehigh St., Easton, Pa.
3FD—J. E. Delp, Jr., 1526 Hollywood, Philadelphia, Pa.
3FE—W. H. Davis, 627 Mount St., Baltimore, Md.
3FF—A. G. Hook, 629 Royden St., Camden, N. J.
3FG—R. A. Ryder, 2878 Cedar St., Philadelphia, Pa.
3FH—F. Nichols, 825 Kember St., Camden, N. J.
3FI—W. Hornung, 1804 Durham St., Baltimore, Md.
3FJ—P. D. Mohr, 126 S. 6th St., Emaus, Pa.
3FK—R. I. Oppenheim, Park Hgts. & Slade St., Balto, Md.
3FL—E. G. Griffith, 1422 Blavis St., Philadelphia, Pa.
3FM—J. F. Rau, 2085 E. Kingston, Philadelphia, Pa.
3FN—G. H. Wise, 234 Broadway, Bangor, Pa.
3FO—J. B. McAllister, Westchester Ave., Ellicott City, Md.
3FP—F. W. Applegate, 34 Hillcrest Ave., Trenton, N. J.
3FQ—W. V. Evans, 707 Walker, Govans, Balto, Md.
3FR—K. K. Keck, 117 S. St. Cloud, Allentown, Pa.
3FS—C. G. Benzing, 2425 S. 12th St., Philadelphia, Pa.
3FT—Unassigned
3FU—J. G. Grey, 1018 W. Tioga St., Philadelphia, Pa.
3FV—G. A. Cheeh, 3413 N. 10th St., Philadelphia, Pa.
3FW—L. C. Herndon, 2106 Chelsea Tr., Baltimore, Md.
3FX—B. Lovett, 1627 Broadway, Raltimore, Md.
3FY—Boy Scouts of America, T. 9., 105 Linden St., Richmond, Va.
3FZ—Unassigned
3GA—C. C. Trout, 553 S. 13th St., Reading, Pa.
3GB—O. B. French, 1717 S. 55th St., Philadelphia, Pa.
3GC—J F. Williamson, 115 Coulten Ave., Ardmore, Pa.
3GD—D. H. Goldsborough, 1904 Homewood, Balto., Md.
3GE—M. A. Boen, 5005 Westminister Ave., Phila., Pa.
3GF—F. Nickel, Jr., 5716 Catherine St., Phila., Pa.
3GG—J. R. Dorsey, 1611 N. Eden St., Baltimore, Md.
3GH—J. D. Tebo, 1812 W. Lexington St., Baltimore, Md.
3GI—R. Clark, 634 Cary, St., Harrisburg, Pa.
3GJ—N. W. Meitzler, 1532 Allen St., Allentown, Pa.
3GK—E. J. Eckert, 2303 N. Smedley St., Phila., Pa.
3GL—G. M. Berry, Balto. & Allegh Aves. Towson, Md.
3GM—L. W. Barnhart, 352 Hammel Ave., Lemoyne, Pa.
3GN—A. J. Williams, Jr., 301 South Ave., Media, Pa.
3GO—L. F. Schoenfield, 3137 Diamond St., Phila., Pa.
3GP—J. C. Russell, 3404 Pearl St., Philadelphia, Pa.
3GQ—Unassigned
3GR—L. K. Yerger, 14 Penn Ave., Souderton, Pa.
3GS—M. H. Engnoth, 100 Highland Ave., Baltimore, Md.
3GT—F. W. Klein, 1022 E. Palmer St., Philadelphia, Pa.
3GU—R. L. Crowther, York Rd. & Eversham, Govans, Md.
3GV—H. N. Woolman, Jr., 132 St. Georges, Ardmore, Pa.
3GW—W. T. Jenkins, 2430 W. Thompson St., Phila., Pa.
3GX—F. Ancona, 1579 Mineral Spring Rd., Reading, Pa.
3GY—Reliance Elec. Co., 526 Harrington, Norfolk, Va.
3GZ—G. W. Cooke, 812 Newington Ave., Baltimore, Md.
3HA—C. O. Newman, 4409 Garrison Ave., Baltimore, Md.
3HB—Unassigned
3HC—Unassigned
3HD—J. E. Welsh, 2251 S. Lee St., Philadelphia, Pa.
3HE—E. D. Smith, Magnolia, Md.
3HF—A. R. Bernstein, 601 Charlotte St., Norfolk, Va.
3HG—G. L. Deichman, Pk. Hgts. & Ban'ft Pk., Balto., Md.
3HH—H. Hallowell, Jr., 300 Summit Ave., Jenkintown, Pa.
3HI—K. E. Whiting, Cantonville, Md.
3HJ—A.D. & A.H. McNaughton, Sheswold, Haverford, Md.
3HK—D. Thomas, 200 Bethlehem Pike, Ambler, Pa.
3HL—M. C. Higgins, Oldtown, Va.
3HM—M. Snyder, 1531 W. York St., Philadelphia, Pa.
3HN—L. W. Ashton, 106 Washington, Collingswood, N. J.
3HO—E. S. Goebel, 1601 Columbia Ave., Phila., Pa.
3HP—M. H. Fairbank, W. Chestnut St., St. Michaels, Md.
3HQ—W. M. Browne, 231 Ninth St., NE., Wash., D. C.
3HR—R. C. Steele, 2013 Wolfe St., Baltimore, Md.
3HS—F. Kral, 1814 Kilbourne Pl. NW., Wash., D. C.
3HT—L. L. Terry, W. Edgewater St, Pleasantville, N. J.
3HU—Unassigned
3HV—B. F. Lloyd, 27 W. County. Phoebus, Va.
3HW—A. G. Wentzel, Jr., 318 Gardner Ave., Trenton, N. J.
3HX—R. S. Fisher, 3520 Disston St., Tacony, Phila., Pa.
3HY—P. S. Hendricks, 23 Chestnut St., Souderton, Pa.
3HZ—W. S. Clark, 919 S. 51st St., Philadelphia, Pa.
3IA—G. W. Hudgins, Rogers & Narcissus Aves., Balto., Md.
3IB—S. Salabes, 2013 Bolton St., Raltimore, Md.
3IC—G. G. Dryden, 1619 Lafayette Ave., Baltimore, Md.
3ID—F. C. Baxter, 2603 Isenminger St., Phila., Pa.
3IE—J. E. Moore, 230 S. Church St., Waynesboro, Pa.
3IF—A. Hofmeister, 2017 N. Wolfe St., Baltimore, Md.
3IG—Unassigned
3II—C. W. Coulston, 5141 Haverford Ave., Phila., Pa.
3IJ—E. M. Scattergood, Jr., Lodges & Penroth, Cynwyd, Pa.
3IJ—R. Preis, 1039 Parker St., Chester, Pa.
3IK—R. J. Beacham, Jr., 129 Linwood Ave., Balto., Md.
3IL—H. L. Strang, 2020 1st St., NW., Washington, D. C.
3IM—M. C. Bergey, Sta. Ave. & Dela. Dr., Cornwells Pa.
3IN—D. C. Vollrath, 158 Carpenter, Germantown, Phila.
3IO—F. H. Gildemeyer, 4824 Fairhill St., Philadelphia, Pa.
3IP—H. C. Sowden, 2331 Gerritt St., Philadelphia, Pa.
3IQ—H. C. Wetzel, 16 E. Park Ave., Merchantville, N. J.
3IR—R. M. Williamson, 4711 Pulaski St., Baltimore, Md.
3IS—J. S. Donal, 405 Harrison Ave., Elkins Park, Pa.
3IT—K. G. Schimerer, 916 Rockland St., Phila., Pa.
3IU—S. J. Thackeray, 6112 Tulip St., Wissinoming, Phila.
3IV—L. L. Stokes, 2104 St. Albans St., Philadelphia, Pa.
3IW—D. W. Lewis, 3 S. Court St., Clarendon, Va.
3IX—E. F. Heim, Ostend St., Hamilton, Md.
3IY—E. S. Hook, Glen. E. of Pk. Hgts., Menlo Pk., Balto.
3IZ—H. F. Rollman, 1337 Diamond St., Philadelphia. Pa.
3JA—A. H. Braun, 5712 Marshall St., Philadelphia, Pa.
3JB—W. N. Wilson, 439 Manchester Ave., Media, Pa.
3JC—F. A. Rafferty, Villanova College, Villanova, Pa.
3JD—S. R. Phelan, University of Virginia, University, Va.
3JE—K. D. Volkmar, 2913 Brighton St., Baltimore, Md.
3JF—E. M. Weed, 12 Phoenix St., Morristown, N. J.
3JG—W. T. Young, 635 Spring St., Bethlehem, Pa.
3JH—J. R. Matteson, 2330 S. 21st St., Philadelphia, Pa.
3JI—G. W. Calvert, 7th & Chestnut Sts., Lansdale, Pa.
3JJ—H. A. Wadsworth, 70 V St., NW., Washington, D. C.
3JK—G. A. Smiley, 3018 Aramingo Ave., Kens., Phila., Pa.
3JL—M. E. Gregory, 28 Pine St., Morristown, N. J.
3JM—F. V. L. Turner, 30 E. Cedar, Merchantville, N. J.
3JN—Unassigned
3JO—G. Ellis, 150 Tennessee Ave., NW., Wash., D. C.
3JP—Unassigned
3JQ—D. Bowman, Jr., South Branch, N. J.
3JR—H. Breitinger, 5555 W. Thompson St., Phila., Pa.
3JS—J. M. Holden, 2737 S. Randolph St., Phila., Pa.
3JT—Unassigned
3JU—Unassigned
3JV—J. R. Watson, 2110 W. North Ave., Baltimore, Md.
3JW—P. Eisenbrown, 919 N. 3d St., Reading, Pa.
3JX—D. F. McKenzie, 3801 Inbomar St., Washington, D. C.
3JY—D. S. Simpson, Jr., 600 W. 25th, S. Richmond, Va.
3JZ—Unassigned
3KA—C. A. Pittman, Jr., 7421 Sprague St., Phila., Pa.
3KB—E. J. Morgan, 5050 Haverford Ave., Phila., Pa.
3KC—L. M. Mkitarian, 5763 Walton Ave., Phila., Pa.
3KD—G. Hautenschild, Jr., 3536 Jasper St., Phila., Pa.
3KE—Unassigned
3KF—C. L. Lafferty, 8 High St., Morristown, N. J.
3KG—W. H. Miller, 4608 Elrode Ave., Baltimore, Md.
3KH—J. S. Barnard, Popular, Woodbury Heights, N. J.
3KI—E. C. Dyer, J. Doyle, G. Berry, Walker, Towson, Md.
3KJ—W. T. Anderson, Henry Clay, Del.
3KK—L. Jones, 711 Popular St., Wilmington, Del.
3KL—A. C. Whitaker, Jr., 72 N. Pearl St., Bridgeton, N. J.
3KM—R. E. Linthicum, 2013 Benning Rd., NE., Wash.
3KN—W. L. Levis, Chester Hgts. Rd., Glen Riddle, Pa.
3KO—Unassigned
3KP—Unassigned
3KQ—E. Backert, 2333 Sergeant N., Philadelphia, Pa.
3KR—A. H. Allen, 4019 Barin, Philadelphia, Pa.
3KS—G. N. Beling, 1227 Lindley Ave., Philadelphia, Pa.
3KT—H. L. Stillwell, 5130 N. 13th St., Philadelphia. Pa.
3KU—P. B. Leonard, N. Central Ave., Chevy Chase, Md.
3KV—Unassigned
3KW—R. W. Barrington, 608 Park Ave., Pensauken, N. J.
3KX—E. Nemeth, R. F. D. No. 1, Box 17, Frenchtown, N.J.
3KY—J. S. Hayden, Hightstown, N. J.
3KZ—E. J. J. Gobrecht, 122 E. Chestnut St., Hanover, Pa.
3LA—R. J. Ashe, Box 233, Fries, Va.
3LB—Unassigned
3LC—Loyola Col. (J. W. Kelley) Calvert & Madison Balto.
3LD—J. Bowden, 124 Brook St., Boonton, N. J.
3LE—W. Kegelman, 1732 Oregon Ave., Philadelphia, Pa.
3LF—J. A. Miller, 520 W. York St., Philadelphia, Pa.
3LG—H. M. Taylor, 3923 Maine Ave., Baltimore, Md.
3LH—C. A. Dannerth, 127 Mill Rd., Ashbourne, Pa.
3LI—G. E. Metz 449 N. 20th St., Wayne Jct., Phila., Pa.
3LJ—A. F. Breisch, 916 N. Center St., Bethlehem, Pa.
3LK—R. Pauly, 204 N. New St., Nazareth, Pa.
3LL—H. E. Good, Bareville, Pa.
3LM—G. C. Sprouls, Jr., 5530 N. American St., Phila., Pa.
3LN—L. P. Tabor, 111 Iona Ave., Narberth, Pa.
3LO—Unassigned
3LP—H. O. Landis, 341 N. Front St., Reading, Pa.
3LQ—R. Freed & C. G. Yeogley, Wash. & 4th, Royersford, Pennsylvania.
3LR—B. S. Flather, 1358 S. Carolina Av., SE., Wash., D.C.
3LS—C. L. Roork, 103 N. Broad St., Penns Grove., N. J.
3LT—J. L. Eddy 2d, Convent Station, N. J.
3LU—P. M. Mccray, Jr., 405 Cooper St., Camden, N. J.
3LV—J. V. Doughten, 1911 E. Tioga St., Philadelphia, Pa.
3LW—W. P. Tayntor, 21 Chestnut St., Millville, N. J.
3LX—M. L. Grigg, Box 66, Alexandria, Va.
3LY—Unassigned
3LZ—R. G. Elliott, 1 Red Oak Rd., Wilmington, Del.
3MA—L. Zook, Jr., Bareville, Pa.
3MB—H. E. Schearer, 733 Madison Ave., Reading, Pa.
3MC—L. J. Sykes, 665 W. Johnson St., Ger., Phila., Pa.
3MD—Unassigned
3ME—M. P. Farr, 6 Mason Ave., Drexel Hill, Pa.
3MF—N. W. Crowder, 3124 Abell Ave., Baltimore, Md.
3MG—J. E. Corbin, 224 Griffin St., Phoenixville. Pa.
3MH—W. B. & G. M. Miller, 604 N. 3d St., Reading, Pa.
3MI—L. K. Covington, Jr., 5652 Rodman St., Phila., Pa.
3MJ—R. E. Frazier, Box 25 New Jersey Ave., Absecon, N.J.
3MK—M. M. Causey, 1528 Moran Ave., Norfolk, Va.
3ML—C. A. Gunther, 443 Pyne Hall St., Princeton, N. J.
3MM—O. S. Mock, 432 W. 28th St., Norfolk, Va.
3MN—H. Nielsen, Jr., 8751 Frankford Av., Holm., Phila.
5 Pt 14 ems Solid
3MO—W. C. O'Brien, Jr., 706 W. Carey St., Richmond, Va.
3MP—H. L. Murphy, Talbot St., St. Michaels, Md.
3MQ—A. W. Zahniser, Jr., 271 Rittenhouse, Germantown, Philadelphia, Pa.
3MR—J. H. Thackery, 145 Kalos St., Philadelphia, Pa.
3MS—C. W. Gilbert, 1546 N. Gratz St., Philadelphia, Pa.
3MT—H. S. Allen, Wright & Chest. Sts., Pleasantville, N.J.
3MU—W. R. Sinkinson, Asbury Av. & 7th, Ocean Cy., N.J.
3MV—J. Koval, 2025 Bank St., Baltimore, Md.
3MW—A. E. Welzel, 1825 Franklin St., Philadelphia, Pa.
3MX—H. A. Roberts, Kromer Ave., Berwyn, Pa.
3MY—W. C. Fox, 2132 N. 7th St., Philadelphia, Pa.
3MZ—L. V. Millholland, Jr., Chadford Apts., Roland Pk., Baltimore, Md.
3NA—Unassigned
3NB—M. Frye, Jr., 616 Elmer St., Vineland, N. J.
3NC—H. W. L. Fricke, 801 Aisquith St., Baltimore, Md.
3ND—W. B. Perine, 1503 "A" St. S.E., Washington, D.C.
3NE—R. F. Lusse, 4926 N. 4th St., Philadelphia, Pa.
3NF—G. R. Shafto, Westhampton, Va.
3NG—G. C. Robinson, 644 N. 8th St., Richmond, Va.
3NH—W. C. Buttfield, 2 Rockview Hgts., N. Plainfield, N.J.
3NI—A. Cramer, 3d, 211—5th St., Camden, N. J.
3NJ—H. V. Houyoux, 4 School Plaza, Franklin, N. J.
3NK—R. Wilson, 411 N. 54th St., Philadelphia, Pa.
3NL—L. Hammell, Illinois Ave., Absecon, N. J.
3NM—Unassigned
3NN—C. R. Allen, 244 W. Wyoming Ave., Phila., Pa.
3NO—A. D. Hamor, 5500 N. 6th St., Philadelphia, Pa.
3NP—T. S. Leoser, 30 Altamont Ct., Morristown, N. J.
3NQ—D. F. Bahrs, 119 Franklin Ave., Hilton, N. J.
3NR—R. L. Roth, 122 Arlington St., Reading, Pa.
3NS—Victor Talk. Mach. Co., Point & Linden, Camden, N.J.
3NT—C. Melton, 422 Cambridge Cres., Larch., Norfolk, Va.
3NU—W. N. Reiff, 1st Ave. & Fayette, Conshohocken, Pa.
3NV—J. Rook, 210 W. North Ave., Waynesboro, Pa.
3NW—J. J. Turner, 1141 Windrim Ave., Philadelphia, Pa.
3NX—E. L. Langford, 1820 Oliver St., E. Baltimore, Md.
3NY—J. M. Chapple, 2300 Callow Ave., Baltimore, Md.
3NZ—E. D. Stein, 3111 Abell Ave., Baltimore, Md.
3OA—W. Watson, Woodside Rd., Madison, N. J.
3OB—Unassigned
3OC—J. E. Codman, 4116 Spruce St., Philadelphia, Pa.
3OD—J. K. Hillers, 238—1st St. S.E., Washington, D. C.
3OE—O. W. Lummis, 2832 Kansas Rd., Camden, N. J.
3OF—E. G. Saalbach, 3 Keene Ave., Hamilton, Md.
3OG—J. F. McCue, 116 S. New St., West Chester, Pa.
3OH—W. Buckman, 102 N. Clinton Ave., Trenton, N. J.
3OI—H. A. Beale, Parkesburg, Pa.
3OJ—W. S. Gardner, Philadelphia Pike, Edge Moor, Del.
3OK—C. L. Dougherty, Jr., 13 N. 4th, Pleasantville, N. J.
3OL—P. B. White, 303 Marlboro Ave., Norfolk, Va.
3OM—P. Lange, Jr., 3435 G St., Philadelphia, Pa.
3ON—W. R. Church, Jr., Penllyn, Pike, Pa.
3OO—B. Carmosin, 1654 N. Marshall St., Philadelphia, Pa.
3OP—R. Miller, 136 Hudson St., Reading, Pa.
3OQ—E. T. Showell, Ohio Ave., Absecon, N. J.
3OR—E. Geyer, 3874 Lancaster Ave., Philadelphia, Pa.
3OS—A. R. Oeser, 118 S. Center St., Merchantville, N. J.
3OT—I. B. Smith, 904 Lindenwold Av., Ambler, Pa.
3OU—S. Baldwin, 211 University P'kway, Baltimore, Md.
3OV—W. H. Wood, 8 Allen Ave., Richmond, Va.
3OW—W. E. Rau, 2085 Kingston St., Philadelphia, Pa.
3OX—P. H. Gitchus, 229 S. Church St., Moorestown, N. J.
3OY—V. E. Wilson, 2861 Garnet St., Philadelphia, Pa.
3OZ—E. Fuchs, 1203 Clendenin St., Baltimore, Md.
3PA—F. S. Bonner, 5631 Belmar Tr., Philadelphia, Pa.
3PB—H. R. Miller, 6318 Park Ave., Philadelphia, Pa.
3PC—C. C. Meyers, 1414 McKean St., Philadelphia, Pa.
3PD—S. H. Levin, 2301 McCulloh St., Baltimore, Md.
3PE—N. P. Whittier, Tome School, Port Deposit, Md.
3PF—H. S. McFadden, 540 Penn St., Chester, Pa.
3PG—R. P. Bucher, 5223 Greenway Ave., West Phila., Pa.
3PH—J. D. Reister, 324 N. Monroe St., Baltimore, Md.
3PI—J. P. Snyder, 117 E. Andrew Ave., Wildwood, N. J.
3PJ—W. R. Lake, 219 S. 2d St., Colwyn, Pa.
3PK—S. M. Maynadier, Rehoboth Beach, Del.
3PL—S. G. Flack, 645 W. Sedwick St., Philadelphia, Pa.
3PM—C. S. Horn, Jr., Rehoboth Beach, Del.
3PN—G. H. Dobbs, 58 Lincoln Ave., Collingswood, N. J.
3PO—G. Tauber, 2026 N. Lambert St., Philadelphia, Pa.
3PP—W. Mayers, 5118 Market St., Philadelphia, Pa.
3PQ—J. Trundle, 1022 Monroe St., N. E., Wash., D. C.
3PR—W. L. Fox, 2220—35th Place, Washington, D. C.
3PS—B. Smith, Jr., 318 Bryn Mawr Ave., Cynwyd, Pa.
3PT—H. A. Guenz 1, 4424 N. 3d St., Philadelphia, Pa.
3PU—P. Sumner, Hanover Ave., Morris Plains, N. J.
3PV—W. L. May, Navy Yard, Washington, D. C.
3PW—Phila. School of Wireless Tel., Parkway Bldg., 119 Br'd St., Philadelphia, Pa.
3PX—DeWitt Goddard, Tome School, Port Deposit, Md.
3PY—W. B. Cramer, 84 Center St., Somerville, N. J.
3PZ—E. D. Smith, 219 Rittenhouse St., Washington, D. C.
3QA—R. H. Troth, 3550 N. 18th St., Philadelphia, Pa.
3QB—I. O. Achenbach, Wyndmoor Ave., Philadelphia, Pa.
3QC—R. B. Deiteh, 418 W. Main St., Mechanicsburg, Pa.
3QD—A. Rapp, 4208 Penn St., Philadelphia, Pa.
3QE—L. M. Gress, 1 S. Michigan Ave., Atlantic City, N. J.
3QF—Unassigned
3QG—W. H. Hermanutz, 5037 Ogden St., Philadelphia, Pa.
3QH—O. B. Schelber, 121 W. 5th St., Lansdale, Pa.
3QI—T. St. J. Porcher, 7708 Navajo St., Philadelphia, Pa.
3QJ—R. W. Parkinson, 7 Winona Ave., Norwood, Pa.
3QK—R. R. Handerson, 7205 Lincoln Dr., Phila., Pa.
3QL—W. Leeson, 319 Evergreen St., Woodlyn, N. J.
3QM—W. H. Reid, Jr., 4329 Pine St., Philadelphia, Pa.
3QN—W. P. Lukens, 527 Spring Mill, Coushohocken, Pa.
3QO—R. R. MacDonald, 30 Woodland Ave., Pitman, N. J.
3QP—J. B. Morgan, 431 E. Willow Grove, Phila., Pa.
3QQ—I. C. Blouin, 708 Roosevelt Blvd., Philadelphia, Pa.
3QR—F. J. Shannon, 221 Rhoads Ave., Collingdale, Pa.
3QS—C. L. Price, 612—10th St., NE., Washington, D. C.
3QT—C. H. Colman, E. Second Ave., Parkesburg, Pa.
3QU—C. C. Lionnu, 1128 Silver St., Philadelphia, Pa.
3QV—W. B. Martin, 1927 N. 20th St., Philadelphia, Pa.
3QW—L. G. Lessig, 524 Charlotte St., Pottstown, Pa.
3QX—T. J. Geyer, 3921 Homestead St., Wissinoming, Pa.
3QY—J. J. Rutledge, 3160 G St., Philadelphia, Pa.
3QZ—J. L. Grether, 520 Randolph St., Richmond, Va.
3RA—A. F. Shaffer, 3804 Chatham Rd., Baltimore, Md.
3RB—J. A. & J. M. Nassau, 1510 N. Gratz St., Phila., Pa.
3RC—F. H. Neilson, 125 Winona St., Norwood, Pa.
3RD—C. Galbraith, 7 Garfield Ave., Collingswood, N. J.
3RE—J. A. Barkley, 2313 W. 17th St., Wilmington, Del.
3RF—W. S. Creighton, 434 Washington Ave., Roanoke, Va.
3RG—E. L. Reynolds, 503 River Rd., Bethesda, Md.
3RH—L. C. Quaintance, 1337 Columbia Rd., Wash., D. C.
3RI—F. M. Middleton, 337 Chester Av., Moorestown, N. J.
3RJ—F. Cohen, 2324 W. Cumberland St., Philadelphia, Pa.
3RK—R. H. Beresford, 301 Trites Ave., Norwood, Pa.
3RL—R. G. Peck, R. F. D. 1, Herndon, Va.
3RM—C. J. Samuiski, 2527 Madison Ave., Baltimore, Md.
3RN—W. G. Herbert, 1725—3d St., N. W., Wash., D. C.
3RO—R. H. Niedhauk, 146 Oley St., Reading, Pa.
3RP—H. H. Lyon, Maryland & Arundel Av., Hyatt'c, Md.
3RQ—W. A. Cline, 5230 Locust St., Philadelphia, Pa.
3RR—J. F. McNeill, 1841 Fulton St., Harrisburg, Pa.
3RS—E. E. Wright, 1704 W. Lanvale St., Baltimore, Md.
3RT—C. A. Rosengarten, 3725 Fairmount, W. Phila., Pa.
3RU—B. Morris, 205 Kings Highway, Haddon Hights, N. J.
3RV—W. E. B. Grant, 2822 Walbrook Ave., Baltimore, Md.
3RW—E. L. Kraus, 653 Spring Ave., Collingswood, N. J.
3RX—H. C. Riggs & A. Caine, 171 South, Hightstown, N.J.
3RY—A. Pemsel, 1301 W. Lehigh Av., Philadelphia, Pa.
3RZ—N. Homer, 2815 N. Croskey St., Philadelphia, Pa.
3SA—W. B. Belt, Maryland Ave., Hyattsville, Md.
3SB—S. C. Tupman, 1437 Randolph N.W., Wash., D. C.
3SC—W. J. Rohn, 201 Central Ave., Anglesea, N. J.
3SD—C. H. Steiger, 1938 Green St., Harrisburg, Pa.
3SE—Unassigned
3SF—J. H. Andrews, Lake & Bellona Ave., Govans, Balt.
3SG—R. E. Decker, 555 Halifax St., Petersburg, Va.
3SH—W. L. Greenway, 5026 Hazel Ave., Philadelphia, Pa.
3SI—E. B. Dunham, 36 Codington Pl., Somerville, N. J.
3SJ—A. A. M. Anderson, 735 Lincoln St., Reading, Pa.
3SK—J. E. Clarkson, 538 S. Patrick St., Alexandria, Va.
3SL—J. A. Barkley, 1627 Laurel St., Wilmington, Del.
3SM—R. Adams, 710 W. York St., Philadelphia, Pa.
3SN—W. S. Vennell, 869 Fairview, Camden, N. J.
3SO—Unassigned
3SP—J. M. Davis, Main St., Mays Landing, N. J.
3SQ—R. S. Hall, Clarks Lane, Arlington, Md.
3SR—Unassigned
3SS—F. Kummell, 2924 Breighton St., Baltimore, Md.
3ST—W. L. Brown, 6610—10th St., Philadelphia, Pa.
3SU—A. B. Chism, 3729 M St., N.W., Washington, D. C.
3SV—H. F. Gibbs, 1406 Delafield Pl. N.W., Wash., D. C.
3SW—A. B. Moore, 703 Boissevain Ave., Norfolk, Va.
3SX—L. G. Gottshalk, 348 Oak St., Pottstown, Pa.
3SY—E. N. Wolfe, Hartford Av. & 6th St., Milford, Pa.
3SZ—H. E. Sandbridge, Ashby Station, Bayard, Va.
3TA—A. H. Ross, 421 W. Johnson St., Ger., Phila., Pa.
3TB—G. F. Yerkes, 1160 Princess Ave., Camden, N. J.
3TC—R. B. Gamble, 7050 Chew St., Mt. Airy, Phila., Pa.
3TD—W. E. Wenstrom, Madison St., Fort Washington, Pa.
3TE—H. L. Harvey, 2935 St. Paul St., Baltimore, Md.
3TF—C. E. Dyer, Boyce Ave., Ruston, Md.
3TG—C. L. Wise, 2042 Arch St., Philadelphia, Pa.
3TH—F. R. Shaw, 11—3d St., Pleasantville, N. J.
3TI—E. I. Smith, Jamestown Blvd., Norfolk, Va.
3TJ—O. M. Selph, Box 48, Rio Vista, Va.
3TK—E. Ferguson, 1637 Worrel St., Philadelphia, Pa.
3TL—K. A. Durst, 76 S. West Ave., Bridgeton, N. J.
3TM—R. M. Hoopes, Amber, Pa.
3TN—R. Barton, Pikesville, Baltimore, Md.
3TO—I. D. Newton, 718 N. 63d St., Philadelphia, Pa.
3TP—C. W. Bowman, 1028 Walnut St., Allentown, Pa.
3TQ—W. P. Johnson, 2714 S. 10th St., Philadelphia, Pa.
3TR—G. O. Eller, 717—7th St., S.E., Washington, D. C.
3TS—J. C. Meighan, 917 Dewey Ave., Northampton, Pa.
3TT—F. W. Adelberger, 212 Aberdeen Ave., Wayne, Pa.
3TU—S. P. Brady, Jr., Brooklandville, Baltimore, Md.
3TV—E. J. Gallagher, 344 W. Cort St., Doylestown, Pa.
3TW—R. McCullough, Woodrow Ave., Berlin, N. J.
3TX—A. G. Dorsey, 906 Beaumont Ave., Baltimore, Md.
3TY—F. T. Hines, Jr., H & Vermont, N.W., Wash., D. C.
3TZ—G. S. Abdill, 125 E. Union St., Burlington, N. J.
3UA—R. W. Geiger, Oringsburg, Pa.
3UB—C. Crouse, 226 E. Wiona St., Norwood, Pa.
3UC—W. B. Small, 137 Singer Ave., Baltimore, Md.
3UD—D. C. Boggs, 147 Pelham Rd., Philadelphia, Pa.
3UE—I. L. Battin, 13 W. Upsal St., Philadelphia, Pa.
3UF—E. W. Foehl, 6 Lee Ave., Willow Grove, Pa.
3UG—W. R. Lansford, 3607—13th St., N.W., Wash., D. C.
3UH—Alfred J. Panepinto, 49th & Merion Ave., Phila, Pa.
3UI—C. J. Griffith, 809 W. 8th St., Wilmington, Del.
3UJ—D. W. Rubidge, 85 Hanover, Mountain Lakes, N. J.
3UK—P. Todd, Lincoln Highway, Suydam Farms, N. J.
3UL—J. D. Cook, 1623 Catherine St., Philadelphia, Pa.

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3UM—L. Connelly, 1728 N. Bond St., Baltimore, Md.
3UN—W. Wilson, 2233 Sherwood Ave., Baltimore, Md.
3UO—Unassigned
3UP—C. D. Meginnis, 430 E. Thompson St., Phila., Pa.
3UQ—M. H. Lawshe, Yardley, Pa.
3UR—W. Johnson, Jr., 1312 Central, Ocean City, N. J.
3US—H. Osborn, 340 Peach St., Vineland, N. J.
3UT—H. F. Rollman, 1937 Diamond St., Philadelphia, Pa.
3UU—W. H. Old, 1130 Westover Ave., Norfolk, Va.
3UV—L. E. Causey, 1524 Moran Ave., Norfolk, Va.
3UW—P. B. Weeks, 824 Haddon Ave., Camden, N. J.
3UX—J. C. Fink, Wester St., Sinking Spring, Pa.
3UY—J. A. Jod, 2004 W. Grace St., Richmond, Va.
3UZ—W. H. Hulse, 1152 Hull St., Baltimore, Md.
3VA—R. W. Geiger, 1627 Bonvier St., Philadelphia, Pa.
3VB—L. Lewis, 842 Green St., Reading, Pa.
3VC—F. Gresham, 428 Main St., Salem, Va.
3VD—A. Goldbach, 1642 Bentalou St., Baltimore, Md.
3VE—S. S. Kale, Magnolia, N. J.
3VF—Unassigned
3VG—W. J. McCarthy, 419 N. Carrollton, Baltimore, Md.
3VH—A. L. Canfield, Jr., N. Bridge St., Somerville, N. J.
3VI—W. C. Marsh, Jr., 302 Davis Rd., Llanerch, Pa.
3VJ—H. D. Laessle, 44 E. Central Av., Moorestown, N. J.
3VK—J. H. Tregenza, Thomas St., Wharton, N. J.
3VL—J. King, 1237 Hollins St., Baltimore, Md.
3VM—C. S. Mauger, 109 S. 10th St., Reading, Pa.
3VN—N. A. Perry, 17 S. Brighton, Atlantic City, N. J.
3VO—H. H. Grow, 22 South Blvd., Richmond, Va.
3VP—R. H. Rose, Lanham, Md.
3VQ—F. Orlando, 1948 S. 11th St., Philadelphia, Pa.
3VR—H. M. Grover, R. F. D. No. 7, West Chester, Pa.
3VS—T. F. McNulty, 1405 N. Caroline St., Baltimore, Md.
3VT—Unassigned
3VU—N. G. Haas, 21 Wilson Ave., N. Plainfield, N. J.
3VV—A. A. Kubiac, 54 Burtis St., Cradock, Va.
3VW—H. C. Brooks, 1661 Brill St., Frankford, Phila., Pa.
3VX—H. T. Van Sciver, Spruce & Rrd. Av., Beverly, N. J.
3VY—F. Yacovelli, Landisville, N. J.
3VZ—C. D. Van Fleet, 207 E. High St., Somerville, N. J.
3WA—D. Shinn, 437 Locust Ave., Burlington, N. J.
3WB—R. E. Grosser, 153 Logan St., Audubon, N. J.
3WC—A. Mayer, 1652 Mentor St., Philadelphia, Pa.
3WD—A. C. Kammeraad, 2511 Jessup St., Phila., Pa.
3WE—J. Sidewater, 2516 S. 72d St., Philadelphia, Pa.
3WF—A. Briggs, Rockford, Wilmington, Del.
3WG—T. F. Cope, 2517 Huntington St., Philadelphia, Pa.
3WH—C. J. Ireland, 508 Pine St., Millville, N. J.
3WI—H. S. Frazier, 5714 Hazel Ave., Philadelphia, Pa.
3WJ—R. C. Westerhood, 3164 Tulip St., Philadelphia, Pa.
3WK—S. L. M. Taylor, 17 E. Winona Ave., Norwood, Pa.
3WL—E. H. Bryant, Llanerch, Pa.
3WM—W. N. Feaster, E., Center Ave., Newton, Pa.
3WN—C. Hendrickson, 237 LeGato Ave., Audubon, N. J.
3WO—H. V. Helfrich, 3029 St. Paul St., Baltimore, Md.
3WP—Unassigned
3WQ—W. D. Disney, 5306 Ethelbert Ave., Baltimore, Md.
3WR—F. Seemuller, 3480 Edgemont St., Philadelphia, Pa.
3WS—G. C. Palphreyman, 610 Highland, Palmyra, N. J.
3WT—H. E. Hoeffner, 711 Washington Av., Palmyra, N. J.
3WU—M. W. Downes, 1160—5th St., N.E., Wash., D. C.
3WV—H. J. Connor, 2043 Morris St., Philadelphia, Pa.
3WW—H. N. Hamilton, 4427 Sanson St., Philadelphia, Pa.
3WX—H. Taylor, Jr., Cedar Rd., Ogontz, Pa.
3WY—H. B. Jordan, Jr., 180 Back River, Hampton, Va.
3WZ—Central Hg. Sch., 13th & Clinton Av., Wash., D. C.

Special Radio Stations of the Third District

3XA—H. Miller, 2314 Chestnut St., Philadelphia, Pa.
3XAA—F. E. C. Densten, Baltimore, Md.
3XAB—Virginia Radio Co., Charlottesville, Va.
3XAD—E. L. Norcross, 3134 N. Park Av., Phila., Pa.
3XAE—Diamond State Fibre Co., Ford, Bridgeport, Pa.
3XAF—Elliot Woods, The Capitol Bldg., Wash., D. C.
3XAG—Westinghouse Elec., 214 N. 22d St., Phila., Pa.
3XC—F. B. Chambers, Philadelphia, Pa.
3XB—Phila. Elec. Co., 1000 Chestnut St., Phila., Pa.
3XD—E. L. White, 1 Columbia St., Cherrydale, Va.
3XE—W. W. Conners, Care R. B. Berger, Clinton, Md.
3XF—F. M. Baer, 1744 Corcoran St., N.W., Wash., D. C.
3XF—Johns Hopkins University, Baltimore, Md.
3XG—F. M. Baer, 1744 Corcoran St., N.W., Wash., D. C.
3XH—L. Stewart Barr, The Wyoming, Washington, D. C.
3XI—Catholic Univ. of Amer., Washington, D. C.
3XJ—St. Joseph College, 18th & Thompson Sts., Phila. Pa.
3XK—F. Strattner, 1638 N. Redfield St., Philadelphia, Pa.
3XL—A. Crossley, 5320 Illinois Ave., Washington, D. C.
3XM—Princeton Univ. Radio Club, Princeton, N. J.
3XN—Virginia Poly Institute, Blacksburg, Va.
3XO—Central High Sch., 13th & Clifton Sts., Wash., D. C.
3XP—H. M. Neely, Delanco, N. J.
3XQ—R. W. Worrall, Radio Test Shop, N. Y., Wash. D. C.
3XR—H. Rogers, Hyattsville, Md.
3XS—G. W. Carns, 5640 Malcolm St., W. Phila., Pa.
3XT—L. E. Richwien, 208 Harmison St., Baltimore, Md.
3XU—W. V. Roberts, Princeton Univ., Princeton, N. J.
3XV—T. Appleby, 5847 Ellsworth St., Philadelphia, Pa.
3XW—H. A. Beale, Jr., Parkesburg, Pa.
3XX—R. S. Collmus, 1726 N. Charles St., Baltimore, Md.
3XY—R. L. Hopkins & H. L. Buskey, 426 York St., Norfolk, Va.
3XZ—Radio Construction Co., 542 Irving St., Wash., D. C.
3YA—Loomis Radio Sch., 401—9th St., Washington, D. C.
3YC—North E. High Sch., 8th & Lehigh Sts., Phila., Pa.
3YE—Stauton Military Institute, Lexington, Va.
3YF—Penn. Marconi Wireless School, 301 Greble Bldg., Philadelphia, Pa.
3YG—Phila. Sch. of Wireless Teleg., 1533 Pine St., Phila.
3YH—Y. M. C. A., Franklin St., Baltimore, Md.
3YI—Knights of Columbus Serv. Sch., Washington, D. C.
3YK—Virginia Military Inst., Lexington, Va.
3YL—K. of C. Serv. Sch., 600 "G" St., Wash., D. C.
3YN—Nat. Radio Inst., 1345 Penn Av., Washington, D. C.
3YO—Lafayette College, Easton, Pa.
3YP—Villanova College, Villanova, Pa.
3YQ—Federal Inst. of Radio Teleg., Camden, N. J.
3YR—Polytechnic Institute, University, Va.
3YS—Geo. Washington Univ., 2023 G St., Wash., D. C.
3YY—Univ. of Virginia, North Ave., Baltimore, Md.
3ZA—C. A. Servic, Jr., Bala, Pa.
3ZAA—J. F. Kay, Walnut St., Buena Bista, Va.
3ZAB—C. L. Zimmerman, Roanoke, Va.
3ZAC—E. M. Hartley, Philadelphia, Pa.
3ZB—A. B. Brown (Bliss Elec. Sch.) Washington, D. C.
3ZD—Unassigned
3ZE—H. A. Snow, 1656 Newton St., Washington, D. C.
3ZF—J. V. Purssell, 215 Wootton Ave., Chevy Chase, Md.
3ZG—A. E. Seuffert, 3936 Locust St., Philadelphia, Pa.
3ZH—H. Hoover, Jr., 2300 S St., N.W., Washington, D. C.
3ZI—R. C. Corderman, Hagerstown, Md.
3ZJ—J. H. Clinton, Philadelphia, Pa.
3ZM—S. Delbert, Media, Pa.
3ZN—H. O. Hogan, South Av., Mt. Washington, Md.
3ZO—H. A. Beale, Jr., Parkesburg, Pa.
3ZP—R. R. Chappell, 2112 E. Clay St., Richmond, Va.
3ZQ—S. C. Bryce, 1942 N. 13th St., Philadelphia, Pa.
3ZS—C. H. Stewart, St. Davids, Pa.
3ZT—G. Thomas, South Hill, Whiteford, Pa.
3ZU—Southern Wireless Inst., 423 Courtland, Balt., Md.
3ZV—S. W. Place, 622 Stanbridge St., Norristown, Pa.
3ZW—W. A. Parkes, 1220 Jackson St., Washington, D. C.
3ZX—H. M. Quisenberry, 23 Edmundson, Lexington, Va.
3ZY—L. M. Duncan, Washington, D. C.
3ZZ—A. A. Kubiac, Cradock, Va.

Amateur Radio Stations of the Fourth District

Headquarters, Federal Bldg., Atlanta, Ga. The fourth district comprises the states of North Carolina, South Carolina, Georgia, Florida and the territory of Porto Rico.

4AA—W. M. Nelson, 724 Pearson St., Greensboro, N. C.
4AB—W. A. French, Jr., 107 S. 4th St., Wilmington, N. C.
4AC—L. Smith 229 Main St., Reidsville, N. C.
4AD—R. A. Saeger, Ankona, Fla.
4AE—W. Y. Andrews, Indiana Springs, Jackson, Ga.
4AF—F. Jenkins, 1246 W. 4th St., Winston-Salem, N. C.
4AG—W. B. Pope, 197 Dearing St., Athens, Ga.
4AH—H. Broden, 1304 Myrtle Ave., Jacksonville, Fla.
4AI—D. Goings, 407 Perkins St., Rome, Ga.
4AJ—R. F. Morse, 525 E. 2d St., Jacksonville, Fla.
4AK—H. D. Arnold, Bay St., Eustis, Fla.
4AL—C. W. Clodfelter, 42 S. Pleasant, Wins-Salem,N.C.
4AM—J. C. Davis, 76 Metcalf St., New Bern, N. C.
4AN—M. T. Hill, 192 Windsor St., Atlanta, Ga.
4AO—J. I. Hoffman, 447 Brevard St., Arcadia, Fla.
4AP—W. E. Dobbins, Jr., 1020 E. North Ave., Atlanta, Ga.
4AQ—L. W. Pickett, Orange Ave., Sarasota, Fla.
4AR—F. L. James, 211 Lee St., Tampa, Fla.
4AS—E. K. Cargil, Lamont St., Log Cab. Hgts., Macon,Ga.
4AT—J. L. Crusoe, 1025 Eaton St., Key West, Fla.
4AU—W. A. Ward, Jr., 87 Forrest Ave., Atlanta, Ga.
4AV—C. B. Thompson, 109—26th St., Columbus, Ga.
4AW—R. M. Robins, 1312 "A" St., West Palm Beach, Fla.
4AX—M. C. Smith, 21 Walker Terrace, Atlanta, Ga.
4AY—L. Rucker, 45 W. 11th St., Atlanta Ga.
4AZ—P. C. Bangs, 29 Albemarle Ave., Atlanta, Ga.
4BA—Unassigned
4BB—E. H. Diemmer, 1805 Jenkins St., Augusta, Ga.
4BC—B. Ohlhaber, Oliver St., West Palm Beach, Fla.
4BD—E. S. Bullock, 307 N. 4th St., Wilmington, N. C.
4BE—C. A. Roethlinger, 214 Campbell, Wilmington, N. C.
4BF—L. W. McClung, 1601 S. 13th St., St. Petersberg, Fla.
4BG—E. Mau, 51 Elizabeth St., Atlanta, Ga.
4BH—H. Martin, 915—7th St., Miami, Fla.
4BI—C. L. Donaldson, 42 E. 12th St., Atlanta, Ga.
4BJ—P. Rodriguez, 50 Flores St., Catano, Porto Rico
4BK—G. P. Rankin, 155 Boulevard Ave., Macon, Ga.
4BL—L. W. & T. E. Bryant, 307 W. Hillcrest, Lakeland, Florida
4BM—D. E. Day, 228 Spring St., Winston-Salem, N. C.
4BN—H. F. Frick, 1101 Swann Ave., Tampa, Fla.
4BO—M. Fernandez, P. O. Box No. 201, Key West, Fla.
4BP—M. D. Clark, 1924 Swift St., Jacksonville, Fla.
4BQ—G. L. Hight, 200 E. 9th St., Rome, Ga.
4BB—S. Mishler, Biscayne, Fla.
4BS—W. E. Wood, 1711—1st Ave., NE., Miami, Fla.
4BT—D. Hightower, 267 Marietta St., Atlanta, Ga.
4BU—G. B. King, 101 Post St., Jacksonville, Fla.
4BV—P. J. Simmons, 304 E. Oak St., Arcadia, Fla.
4BW—W. M. Sampler, 209 Beech Ave., Macon, Ga.
4BX—G. S. Smith, 107 N. 6th St., Wilmington, N. C.
4BY—J. E. Hodge, 911 Abercorn, Savannah, Ga.
4BZ—B. W. Benning, 50 Whiteford Ave., Atlanta, Ga.
4CA—Unassigned
4CB—J. E. Walker, Jacksonville & Fla. Ave., Tampa, Fla.
4CC—J. T. Morehead, 215 Eugene St., Greensboro, N. C.
4CD—C. L. Pierce, 500 Courtland St., Atlanta, Ga.
4CE—F. L. Bunker, 505 Crescent Ave., Charlotte N. C.
4CF—I. R. Guthrie, 45 E. 18th St., Jacksonville, Fla.
4CG—L. Edwards, 32 Prospect Place, Atlanta, Ga.
4CH—H. J. Crane, 3122 N. W. Second Ave., Miami, Fla.
4CI—F. L. McCallum, 10 Sevilla St., St. Augustine, Fla.
4CJ—Q. L. Graves, Homestead, Fla.
4CK—W. E. Lineback, Jr., 843 Piedmont, Wins.-Salem, North Carolina.
4CL—W. C. Roberts, 15 Oak St., Commerce, Ga.
4CM—W. J. Jackson, 49 Macon Ave., Ashville N. C.
4CN—Cocolobo Cay Club, J. H. Jay, Caesars Cr., Dade Co., Florida
4CO—R. M. Cleveland, 118 Adair St., Decatur, Ga.
4CP—P. C. Herault, Care of G. R. & P. Co., Atlanta, Ga.
4CQ—E. J. Gluck, 1418 E. 7th St., Charlotte, N. C.
4CR—Unassigned
4CS—T. H. Abbey, 138 W. Baker St., Atlanta, Ga.
4CT—M. H. Gaston, 307 Covington St., Jackson, Ga.
4CU—R. C. Chapman, 262 Juniper St., Atlanta, Ga.
4CV—J. R. Mathewson, 310 Main St., Reidsville, N. C.
4CW—W. W. Brown, 152 N. E. 5th St., Miami, Fla.
4CX—R. Linville, 646—13th St., Wins.-Salem, N. C.
4CY—J. T. Morris, 130 Ashby St., Atlanta, Ga.
4CZ—G. H. McSwain, 303 E. Magnolia St., Arcadia, Fla.
4DA—F. Bueso, Stop 35½ Mil'ry Rd., R. P., Porto Rico
4DB—L. F. Grubbs, 511 M. St., West Palm Beach, Fla.
4DC—W. M. Boyst, 307 Wainman Ct., Greensboro, N. C.
4DD—J. P. Hook, 84 E. North Ave., Atlanta, Ga.
4DE—W. A. Marsh, Cor. 3d Ave. & 25th St., Miami, Fla.
4DF—K. Simmons, 1840 Peachtree Rd., Atlanta, Ga.
4DG—J. W. Spratlin, 17 Norcross St., Atlanta, Ga.
4DH—Unassigned
4DI—F. E. Krider, 260 Kelley St., Statesville, N. C.
4DJ—J. M. Freeman, 579 N. Jackson St., Atlanta, Ga.
4DK—J. Wadsworth, 1460 Evergreen Ave., Jacksonville,Fla.
4DL—C. P. Davidson, 661 Park St., Statesville, N. C.
4DM—J. R. Wilke, 36 Ripley St., Atlanta, Ga.
4DN—H. F. Dobbs, 427 Peachtree St., Atlanta, Ga.
4DO—H. L. Hamilton, 581 South Blvd., Atlanta, Ga.
4DP—C. J. Napier, 202 S. W. 10th Ave., Miami, Fla.
4DQ—H. P. Woodward, 616 Davie Ave., Statesville, N. C.
4DR—R. R. Parkhill, S. King St., Jacksonville, Fla.
4DS—W. S. Malone, 246 Hillside St., Ashville, N. C.
4DT—C. & E. H. White, 510 Park Ave., Lagrange, Ga.
4DU—Unassigned
4DV—H. K. Armistead, 57 Grady Place, Atlanta, Ga.
4DW—New Hanover H. S. Radio Club, Market, Wilmington, North Carolina
4DX—J. B. Knight, Jr., 902 N. Main St., Greensboro, S. C.
4DY—Unassigned
4DZ—L. S. Bookwalter, N. Poinsettia, W. P. Beach, Fla.
4EA—A. W. Parker, 15 Change St., New Bern, N. C.
4EB—B. W. Cochran, Palmetto, Ga.
4EC—O. L. Hartman, 1009 S. Main St., Salisbury, N. C.
4ED—W. H. Goddard, 549 W. Wash. St. Greenville, S. C.
4EE—I. F. Allen, 707 W. Pine St., Orlando, Fla.
4EF—G. E. Pigford, 513 Chestnut St., Wilmington, N. C.
4EG—G. M. Etheredge, Jr., 36 E. Georgia, Woodruff,S.C.
4EH—H. A. Cole, 385 Hill St., Atlanta, Ga.
4EI—J. H. Jay, E. Dixie Highway, Biscayne Hght., Little River, Fla.
4EJ—F. A. Sommers, 421—1st St., Miami, Fla.
4EK—D. G. Kinney, 305 Cherokee Ave., Macon, Ga.
4EL—L. J. Hahne, 8 W. 43d St., Savannah, Ga.
4EM—University of Fla., (W. S. Higgins), Gainesville, Fla.
4EN—T. M. Simpson, 411 Cherry St., Wins.-Salem, N. C.
4EO—P. G. Watson, 830 E. Park Ave., Savannah, Ga.
4EP—G. W. Bacon, R. F. D. No. 4, Raleigh, N. C.
4EQ—B. W. Winterkorn, 277 Glenwood Ave., Atlanta, Ga.
4ER—T. M. Brown, 1455 Laura St., Jacksonville, Fla.
4ES—A. O. Bliss, Jr., 127—10th St., Miami, Fla.
4ET—T. C. Green, 929 Sumter St., Columbia, S. C.
4EU—E. Fox, 13 Travis Ave., Charlotte, N. C.
4EV—P. C. Herault, 955 N. Boulevard St., Atlanta, Ga.
4EW—A. Davis, 1506 Dock St., Wilmington, N. C.
4EX—Bradford Sanders, 401 Road St., Elizabeth City,N.C.
4EY—W. J. Overman, 509 N. Road St., Elizabeth City,N.C.
4EZ—C. F. Clark, 19 Reynolds St., Jacksonville, Fla.
4FA—F. E. Beaudry, 421 W. E. Blvd., Wins.Salem, N. C.
4FB—A. Bush, 480 Meigs St., Athens, Ga.
4FC—H. W. McCutcheon, 465 Crew St., Atlanta, Ga.
4FD—E. H. Brack, Midville, Ga.
4FE—J. M. Sitton, Jr., 304 W. Earle St., Greenville, S. C.
4FF—Unassigned
4FG—M. G. Nicholson, Jr., 208 Hull St., Athens, Ga.
4FH—R. L. Melton, Cherryville, N. C.
4FI—H. C. Wheat, 104 Grenard St., Gaffney, S. C.
4FJ—T. J. Roberts, 461 New St., Macon, Ga.
4FK—F. K. Shaw, 524 White St., Atlanta, Ga.
4FL—J. Persons, Talbottom, Ga.
4FM—E. G. Watts, Jr., 136 SW. 9th Ave., Miami, Fla.
4FN—A. Rumble, 234 Oak Haven Ave., Macon, Ga.
4FO—G. R. Smathers, 329 E. Liberty St., Charlotte, N. C.
4FP—J. N. Plaster, 512 N. Highl'd, Wins-Salem, N. C.
4FQ—W. C. Etheredge, 8. S. Poplar St., Charlotte, N. C.
4FR—C. J. Davies, 805 Lafayette St., Tampa, Fla.
4FS—F. W. Wienbarg, Jr., 819 W. State, Jacksonville, Fla.
4FT—D. R. McParsley, Masonboro Sound, Wilmington,N.C.
4FU—K. L. Peacock, 41—7th St. SE., Miami, Fla.
4FV—C. Master, Jr., 182 South Ave., Atlanta, Ga.
4FW—D. Brown, Talbottom, Ga.
4FX—H. E. Gaffnet, Victoria Ave., Gaffney, S. C.
4FY—E. Martz, 1231 Adams St., Jacksonville, Florida
4FZ—T. H. Hall, Jr., 117 Oakhaven St., Macon, Ga.
4GA—G. H. Lehmann, 504 College St., Decatur, Ga.
4GB—W. T. Rich, 116 Peachtree Cr., Atlanta, Ga.
4GC—R. B. Hall, 139 Myrtle St., Atlanta, Ga.
4GD—H. W. Whitby, 124 Belmont St., Pensacola, Fla.
4GE—R. R. Brewin, 21 E. 38th St., Savannah, Ga.
4GF—A. R. Foy, 5—40th St., E., Savannah, Ga.
4GG—R. L. Byrum, 131 Poplar St., Wins.-Salem, N. C.
4GH—E. A. Jackson, 89 Patton Ave., Asheville, N. C.
4GI—E. S. Allen, 122 E. 11th St., Jacksonville, Fla.
4GJ—E. A. Dupree, R. F. D. No. 2. Raleigh, N. C.
4GK—A. J. Harris, 309 Wrightsville, Wilmington, N. C.
4GL—F. A. Hill, 1223 E. Duffy St., Savannah, Ga.
4GM—A. L. Reese, 21 W. 14th St., Atlanta, Ga.
4GN—J. B. Jones, Midville, Ga.
4GO—W. M. Todd, Jr., 108 Oak St., Atlanta, Ga.
4GP—J. F. Jones, 434 Dougherty St., Athens, Ga.
4GQ—Unassigned
4GR—H. T. Acton, 41 Virginia Circle, Atlanta, Ga.
4GS—M. B. Smith 502 W. Davis St., Burlington, N. C.
4GT—F. J. Gulffrida, Jr., 447 Washington St., Atlanta, Ga.
4GU—K. J. Cranford, 716 Main St., Macon, Ga.
4GV—B. J. Morrison, Cherryville, N. C.
4GW—R. R. Kibbler, 59 Woodfin St., Asheville, N. C.
4GX—R. O. Holland, P. O. Box 283, Sanford, N. C.
4GY—R. Isley, 808 W. Davis St., Burlington, N. C.
4GZ—R. M. Barnes, 256 Lee St., Atlanta, Ga.
4HA—J. E. Smith, P. O. Box 106, Lindale, Ga.
4HB—W. B. Short, 679 Spring St., Atlanta, Ga.
4HC—T. LaHatti, 614 Capitol Ave., Atlanta, Ga.
4HD—G. H. Klinck, 1 Trapman Ave., Charleston, S. C.
4HE—J. J. Fogarty, 707 Azeele St., Tampa, Fla.
4HF—G. J. Pfeiffer, 702—5th St., Augusta, Ga.
4HG—S. Williams, 914 Ball St., Tampa, Fla.
4HH—C. L. Moore, 1901 Tallaferro St., Tampa, Fla.
4HI—T. D. Bayley, 117 Forrest St., Decatur, Ga.
4HJ—E. Smith, 315 St. Johns Ave., S. Jacksonville, Fla.
4HK—J. Womack, 161 Main St., Reidsville, N. C.
4HL—J. C. Waller, 27 Vinzant St., Jacksonville, Fla.
4HM—J. C. P. Lewis, 241—4th St. N., St. Petersburg, Fla.
4HN—T. W. Deloach, 513 Indian St., Savannah, Ga.
4HO—W. E. Merck, W. 3d St., Jackson, Ga.
4HP—A. H. Stewart, Jr., 204 Buford Place, Macon, Ga.
4HQ—F. W. Taylor, 222 W. DeSoto St., Pensacola, Fla.
4HR—G. Wrigley, 311 Park Ave., Greenville, S. C.
4HS—V. B. Bayliss, 337 Juniper St., Atlanta, Ga.
4HT—G. Y. Harvey, 1064 Walnut St., Macon, Ga.
4HU—J. P. Smith, Ocean Blvd., West Palm Beach, Fla.
4HV—H. E. Kennedy, Hillston Rd., W. Raleigh, N. C.
4HW—L. Wade, Jr., 114 Millrose Ave., Decatur, Ga.
4HX—T. L. Brandon, 134 Venable St., Atlanta, Ga.
4HY—R. L. DeSassure 708 London St., Brunswick, Ga.
4HZ—G. Grange, Route 1, Box 103 S. Jacksonville, Fla.
4IA—L. J. Landers, 164 Bonaventure Ave., Atlanta, Ga.
4IB—Fed. Bd. School, U.S.P.S.H. No. 26, Greenville, N. C.
4IC—E. C. Cormack, 1320 N. W. 8th Court, Miami, Fla.
4ID—J. H. Robertson, 600 W. Council St., Salisbury, N. C.
4IE—French Broad Camp, Brevard, N. C.
4IF—L. Tood, 525 Oklahoma Ave., Ocala, Fla.
4IG—S. Dane, Homestead Fla.
4IH—F. V. Long, Boca Ratone, Fla.
4II—M. F. Harrod, 1204 E. Washington St., Orlando, Fla.

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4IK—L. R. Dale, 148 Bellwood Ave, Atlanta, Ga.
4IL—J. Ledbetter, 116 E. Bell St., Statesville, N. C.
4IM—E. L. Bailey, 55 Poplar Cr., Atlanta, Ga.
4IN—L. L. Hardon, Jr., 2801 Millwood, Columbia, S. C.
4IO—J. S. Morris, 58 Frederica St., Atlanta, Ga.
4IP—B. E. Moore, Jr., 54 Craven St., New Bern, N. C.
4IQ—C. McKown, 210 Sells St., Atlanta, Ga.
4IR—R. L. Bowman, Rutherford St., Wadesboro, N. C.
4IS—J. D. Blitch, Statesboro, Ga.
4IT—W. K. Stallings, 124 E. Lee St., Spartanburg, S. C.
4IU—W. J. Lee, P. O. Box No. 378, Jacksonville, Fla.
4IV—F. D. Pilgrim, 73 Bradford St., Gainesville, Ga.
4IW—P. Delgado, 52 Molina St., Ponce, Porto Rico.
4IX—F. B. Duncan, Tonares, Fla.
4IY—F. S. Davenport, Jr., 396 Grant St., Atlanta, Ga.
4IZ—W. Moore, 339 Plant Ave., Tampa, Fla.
4JA—U. Marin, 14 Colomer St., San Juan, Porto Rico
4JB—S. H. Bearman, 214 Juniper St., Atlanta, Ga.
4JC—C. H. Williams, Meeting & Henrietta Sts., Charleston, S. C.
4JD—E. Powell, 206 S. Lewis St., LaGrange, Ga.
4JE—J. Agusty, 3 San Joseph St., San Juan, Porto Rico
4JF—H. F. Stroberg, 752 Spring St., Macon, Ga.
4JG—J. J. Cushman, 1502 N. E. Miami Pl., Miami, Fla.
4JH—M. Solomon, 300 College St., Macon, Ga.
4JI—T. Litschauer, Winter Park, Fla.
4JJ—W. T. Booth, 272 Lee St., Atlanta, Ga.
4JK—C. Wells, 1309 Buncombe St., Greenville, S. C.
4LJ—C. N. Hughs, 90 Lawton St., Atlanta, Ga.
4JM—Unassigned
4JN—J. D. Smith, 92 Park Ave., Atlanta, Ga.
4JO—Carter Elec. Co., 21 Haynes St., Atlanta, Ga.
4JP—W. F. Franklin, 1101 Selma Ave., Tampa, Fla.
4JQ—R. E. Grunert, 612 S. Poplar, Winston-Salem, N. C.
4JR—R. S. Morris, 413 S. Broad St., Gastonia, No. Car.
4JS—G. McNeill Rose III, 314 Park Ave., Charlotte, N. C.
4JT—H. H. DePaPorte, Township N. 41 Range, Alva, Fla.
4JU—L. Greeson, 107 Moody Ave., Tampa, Fla.
4JV—A. P. Graham, 34 Putayo St., San Juan, Porto Rico
4JW—S. H. Lamb, 311 Pearl St., Elizabeth City, N. C.
4JX—D. B. Blair, 20 Grady Place, Atlanta, Ga.
4JY—Edward R. Hall, 2801 Central, St. Petersburg, Fla.
4JZ—A. B. Meyer, 510 S. Second Av., St. Petersburg, Fla.
4KA—W. J. Pooser, 525 Beecher St., Atlanta, Ga.
4KB—J. H. Raffo, 108 Third Ave., Tampa, Fla.
4KC—T. Freck, 47 Baird St., Asheville, N. C.
4KD—L. I. Mims, 105 Brookline St., Atlanta, Ga.
4KE—T. T. Earle, 311 Hampton Ave., Greenville, S. C.
4KF—W. Tison, c-o Atlanta Jour., 4 N. Forsyeth St., Atlanta, Ga.
4KG—J. J. Pearson, 34 Josephine St., Atlanta, Ga.
4KH—H. Holland, Rt. 1, Box 124, St. Petersburg, Fla.
4KI—H. L. Eskew, 401 Lloyds St., Greenville, S. C.
4KJ—E. G. Code, 167-199 Ashley Ave., Charleston, S. C.
4KK—R. W. Watkins, 446 N. Stockton, Jacksonville, Fla.
4KL—J. C. Fleming, 106 Powell St., Atlanta, Ga.
4KM—L. K. Rush, 22 Cherry St., Atlanta, Ga.
4KN—H. Wendt, Route 1, Box 135A, S. Jacksonville, Fla.
4KO—F. Klauman 713 Palmetto Ave., St. Petersburg, Fla.
4KP—J. O. St. John, 146 Greenville St., Newman, Ga.
4KQ—Hi-Grade Wireless Instrument Co., 47-49 Zillocoa St., Asheville, N. C.
4KR—Hi-Grade Wireless Instrument Co., 47-49 Zillocoa St., Asheville, N. C.
4KS—J. M. Maduro Ramos, 37 Allen St., San Juan, Porto Rico
4KT—J. T. Pinero, Ignacio Arsuaga, Carolina, Porto Rica
4KU—H. L. Reid, 69 E. Park Lane, Atlanta, Ga.
4KV—A. Hall, 116 McAfee St., Atlanta, Ga.
4KW—W. M. Marsh, 1654 College St., Jacksonville, Fla.
4KX—G. G. Reynolds, Country Club Rd., Winston-Salem, N. C.
4KY—W. J. Pinkston, 500 N. Troupe St., Valdosta, Ga.
4KZ—W. E. Fennell, Twickenham Ter., Savannah, Ga.
4LA—O. E. Greer, 445 Bramley St., Spartanburg, S. C.
4LB—P. E. Ritchie, 3 Posey Ave., Little River, Fla.
4LC—J. H. Dean, 204 Matthews St., Elizabeth City, N. C.
4LD—L. V. Davis, 3042—1st Ave., N. St. Petersburg, Fla.
4LE—G. E. Pigford, 505 Peachtree St., Atlanta, Ga.
4LF—E. B. Vordormark, 1804 Market, Jacksonville, Fla.
4LG—A. C. Gable, 258 Washington Ave., Macon, Ga.
4LH—F. J. Wadford, Jr., 1009 N. Fourth St., St. Petersburg, Fla.
4LI—J. K. Reaves, 165 Weddell St., Athens, Ga.
4LJ—A. Hege, 119 Poplar St., Winston-Salem, N. C.
4LK—H. Addison, 237 David St., Greenville, S. C.
4LL—L. E. Bassett, Cedartown, Ga.
4LM—A. G. Sanders, Jr., 149 Venable St., Atlanta, Ga.
4LN—E. P. Clampitt, 906 Worthington, Charlotte, N. C.
4LO—Nat. W. Curl, Watson Ave., Winston-Salem, N. C.
4LP—E. Y. Webb, Jr., 215 S. Washington, Shelby, N. C.
4LQ—J. T. Chears, 301 Endor St., Sanford, N. C.
4LR—H. M. Haskell, Washington Ave., Eustis, Pa.
4LS—S. E. Leach, 318 W. 8th St., Jacksonville, Fla.
4LT—A. A. Arbogast, 108 Monford Ave., Asheville, N. C.
4LU—G. R. Clough, 802 Sarasota St., Bradentown, Fla.
4LV—C. H. Humphreys, 681 College St., Macon, Ga.
4LW—G. F. Seyffert, Cameron Ave., Chapel Hill, N. C.
4LX—A. Hill, 139 Reynolds St., Jacksonville, Fla.
4LY—T. A. Freck, 47 Baird St., Asheville, N. C.
4LZ—W. M. Yoder, Jr., 206 S. Aspen St., Lincolnton, Ga.
4MA—R. C. M. Calvert, Jr., 151 High St., Oxford, N. C.
4MB—F. Q. Little, 53 Broad St., Commerce, Ga.
4MC—V. A. Wheeless, 103 Idlewild Park, Orlando, Fla.
4MD—J. W. Rainey, Statham, Ga.
4ME—J. W. Marchman, 620 Highland Ave., Atlanta, Ga.
4MF—E. A. Donahue, 109 Bloodworth St., Raleigh, N. C.
4MG—R. S. Thompson, 315 Neely St., West Point, Ga.
4MH—B. S. Medford, 57 Gillman St., Oxford, N. C.
4MI—P. G. Isenhour, 14 Wautauga St., Asheville, N. C.
4MJ—F. E. Calloway, LaGrange, Ga.
4MK—W. Clark, 19 Moore St., Stanford, N. C.
4ML—H. E. Ringling, 419 Orange St., Eustis, Fla.
4MM—L. W. Griswold, 184 Waller St., Jacksonville, Fla.
4MN—V. J. Settle, 492 Athens St., Winder, Ga.
4MO—W. F. Allston, 14 Government St., Asheville, N. C.
4MP—N. Underwood, 21 Avery Drive, Atlanta, Ga.
4MQ—B. C. Goodson, 1626 N. W. 7th Ave., Miami, Fla.
4MR—W. C. Walton, Jr., 1215 West Ave., Cartersville, Ga.
4MS—E. J. Collins, 922 N. 8th Ave., Pensacola, Fla.
4MT—S. R. Middleton, 142 Washington, St. Augustine, Fla.
4MU—F. R. Freyer, 2425 Bull St., Savannah, Ga.
4MV—W. F. Newman, 718 Marshal, Winston-Salem, N. C.
4MW—W. L. Dunn, Jr., Hillside St., Asheville, N. C.
4MX—G. N. Stillwell, Cor. N. Pegram & Arlington Ave., Charlotte, N. C.
4MY—R. E. Dodd, 4 E. 13th St., Atlanta, Ga.
4MZ—M. Liles, 1808 Osceola St., Tampa, Fla.
4NA—J. L. Murphy, Jr., 508 Thompson, East Point, Ga.
4NB—S. W. Reeves, 5 Chamblin St., Woodruff, S. C.
4NC—E. A. Yates, N. Beach St., Key West, Fla.
4ND—J. O. Turner, 223 Third St., Albany, Ga.
4NE—J. H. Webb, Naranla, Fla.
4NF—H. J. Braddy, 210 N. Franklin St., Dublin, Ga.
4NG—A. L. Fain, 240 Wellington St., Atlanta, Ga.
4NH—A. M. Norris, 35 Jackson St., Newnan, Ga.
4NI—R. E. Woodall, Fairburn, Ga.
4NJ—T. B. Wetmore, Arden, N. C.
4NK—J. W. Lang, 704 E. Dadsden St., Pensacola, Fla.
4NL—J. F. Tesh, 223 White Oak St., High Point, N. C.
4NM—W. Robinson, Jr., St. Marys, Ga.
4NN—J. G. Griffin, Eatonton, Ga.
4NO—H. Ditmore, Jr., 2022 Liberty St., Jacksonville, Fla.
4NP—C. B. Johnson, 921—26th Ave., Tampa, Fla.
4NQ—Boy Scouts of Amer., Macon Co. Camp Mason, Perry, Ga.
4NR—M. Rivero, 407—17th Ave., Tampa, Fla.
4NS—M. C. Halowell, 5th Ave. & 19th St., Box 3063, Sta. "A", St. Petersburg, Fla.
4NT—B. L. Hinnant, 211 W. Nash St., Wilson, N. C.
4NU—H. D. Potter, 621 Pine St., Orlando, Fla
4NV—R. N. Day, 232 Spring St., Winston-Salem, N. C.
4NW—F. Self, 25 Brantley St., Atlanta, Ga.
4NX—W. C. Couch, 343 South Side Ave., Asheville, N. C.
4NY—E. B. Arnold, 502 Gloucester St., Brunswick, Ga.
4NZ—Unassigned
4OA—J. H. Lewis, 188 St. Charles Ave., Atlanta, Ga.
4OB—H. Wall, 1407 Nance Ave., Tampa, Fla.
4OC—C. H. Summers, Jr., 211 Poinsettia St., W. Palm Beach, Fla.
4OD—H. F. Taylor, 186 Jackson St., Newnan, Ga.
4OE—C. J. Holdorf, Winter Park, Fla.
4OF—P. Moore, 54 Fairview Rd., Atlanta, Ga.
4OG—Unassigned
4OH—W. S. Wilson, Jr., 530 W. Univ., Gainesville, Fla.
4OI—L. Rexach, Box 319, San Juan, Porto Rico
4OJ—F. L. Brown, Plant City, Fla.
4OK—Boy Scouts of Am., 11, 143 Bull St., Savannah, Ga.
4OL—Unassigned
4OM—F. H. Phillips, Jr., 117 W. Bay, Jacksonville, Fla.
4ON—W. O. Rogers, Jr., 118 Langhorn St., Atlanta, Ga.
4OO—J. B. Henslee, 301 W. Taylor St., Griffin, Ga.
4OP—R. O. Ward, Winter Park, Fla.
4OQ—G. K. Behler, Jr., 706 Buncombe, Greenville, S. C.
4OR—H. A. Ward, Winter Park, Fla.
4OS—J. E. Hannah, Jr., 34 Greenvide St., Newnan, Ga.
4OT—S. H. Rogers, 118 Langhorn St., Atlanta, Ga.
4OU—C. B. Hoskins, 112 Hillside St., Asheville, N. C.
4OV—T. Powell, 130 Main St., Rocky Mount, N. C.
4OW—R. W. Cohen, Beaufort, S. C.
4OX—L. E. Hill, 628 W. Univ. Ave., Gainesville, Fla.
4OY—S. H. Buchanan, 369 King St., Charleston, S. C.
4OZ—C. Bailey, 208 W. 7th Ave., Tampa, Fla.
4PA—H. Scheffield, 5706 Prospect St., Dallas, Texas.
4PB—M. H. Vater, 201 Turner St., Clearwater, Fla.
4PC—R. C. Campbell, Route 1, S. Jacksonville, Fla.
4PD—S. Hood, 102 N. Elm St., Commerce, Ga.
4PE—Unassigned
4PF—L. B. Beckwith, 721 S. Boulevard St., Tampa, Fla.
4PG—J. W. Graff, 503 Jessamine St., W. Palm Beach, Fla.
4PH—J. B. Hall, 321 West End Ave., Statesville, N. C.
4PI—C. A. Paffe, 51 St. George St., St. Augustine, Fla.
4PJ—L. Coley, 629 W. Front St., Statesville, N. C.
4PK—G. W. Clark, Jr., 202 Clark Bldg., Jacksonville, Fla.
4PL—C. H. Maddox, 207 Monnie St., Ashburn, Ga.
4PM—L. C. Hull, Cherryville, N. C.
4PN—J. T. Craig, 245 Walnut St., Statesville, N. C.
4PO—T. W. Summersett, 315 N. Church, Salisbury, N. C.
4PP—J. E. Woodard, 412 Gaskins Ave., Douglas, Ga.
4PQ—Georgia Academy for the Blind, Macon, Ga.
4PR—E. W. Smith, Jr., 301 W. Market, Cartersville, Ga.
4PS—W. B. Sellars, 301 W. Davis St., Burlington, N. C.
4PT—A. J. Barclay, 110 S. Albany St., Tampa, Fla.
4PU—G. R. Shafto, 2816—10th St., Tampa, Fla.
4PV—L. H. Leathers, 148 Avant St., Spartanburg, S. C.
4PW—I. I. Heller, Putney, Ga.
4PX—F. R. Lawrence, Eustis St., Eustis, Fla.
4PY—B. C. Fidler, Jr., 233 Brickell Ave., Ft. Lauderdale, Fla.
4PZ—Macy & Hart, Rad Sup. & Accessories, 100 E. 10th St., Atlanta, Ga.
4QA—D. Dickerson, 115 Gaskin Ave., Douglas, Ga.
4QB—T. B. Winstead, Main St., Elm City, N. C.
4QC—W. D. Pease, Ocoee, Fla.
4QD—W. C. Holder, 407 N. Troup St., Valdosta, Ga.
4QE—J. M. Torres, 94 Mayor St., Ponce, Porto Rico
4QF—C. B. Transou, 390 Greenwood Ave., Atlanta, Ga.
4QG—T. M. Godwin, 909 Desoto St., Pensacola, Fla.
4QH—G. H. Ryder, Box 464, Canton, N. C.
4QI—C. L. McLancon, Velvedere Rd., W. Palm Beach, Fla.
4QJ—M. L. McClung, 130 E. 2d St., Jacksonville, Fla.
4QK—J. M. Thompson, 834 Dakota St., Tampa, Fla.
4QL—J. McDonell Thompson, 834 Dakota St., Tampa, Fla.
4QM—J. L. Cooper, 207 W. Charlton St., Savannah, Ga.
4QN—J. M. Griffin, 214 Hyde Park Pl., Tampa, Fla.
4QO—J. R. Shumate, Jr., 600 E. Clay St., Thomasville, Ga.
4QP—E. Hutson, Palmetto, Ga.
4QQ—W. K. Bodeheimer, 935 W. Bank St., Winston-Salem, N. C.
4QR—N. B. Davis, 580 E. Call St., Tallahassee, Fla.
4QS—W. H. Knowes, Jr., Harbourview, Pensacola, Fla.
4QT—M. S. Moore, 423 E. Cervantes St., Pensacola, Fla.
4QU—A. K. Pooley, 600 N. Hayne St., Pensacola, Fla.
4QV—F. Wheeler, 1404 La Rua St., Pensacola, Fla.
4QW—A. L. Blalock, 1501—25th St., Winston-Salem, N. C.
4QX—Unassigned
4QY—W. F. Grogon, 213 Garrett St., Fort Myer, Fla.
4QZ—J. L. Casellas, 5 Fernandez, San Juan, Porto Rico
4RA—G. H. Fischer, Jr., 1650 Dellwood Ave., Jacksonville, Fla.
4RB—V. Roure, Jr., 14 Brumbaugh St., Rio Pedras, Porto Rico
4RC—W. M. Copp, Spring Island, S. C.
4RD—I. Goldwasser, 328 Capitol Ave., Atlanta, Ga.
4RE—J. W. Norton, Linville, N. C.
4RF—W. Crane, 40 Cooper St., Atlanta, Ga.
4RG—K. G. Dacey, Box 543, Biltmore, N. C.
4RH—J. M. Keith, 601 Highland Ave., Atlanta, Ga.
4RI—R. Balsa, 31 Ponce de Leon Ave., Santurce, P. R.
4RJ—F. McCown, 3 Park Terrace, Santurce, P. R.
4RK—R. D. Field, 514 Church St., Marietta, Ga.
4RL—M. C. Fernandez, 13 Olimpo Ave., Santurce, P. R.
4RM—R. E. Cobble, 90 Elmira Ave., Atlanta, Ga.
4RN—A. Irizarry, 31 Luaa St., San Juan, P. R.
4RO—A. R. Clark, 314 W. Concord St., Orlando, Fla.
4RP—W. W. Crane, 40 Cooper St., Atlanta, Ga.
4RQ—R. M. Jones, 421 N. Main St., Salisbury, N. C.
4RR—A. DuPre, 290 Wofford Campus, Spartanburg, S. C.
4RS—W. Holman, 19 Kuker St., Florence, S. C.
4RT—W. G. Routh, Vero, Fla.
4RU—W. A. Wynne, 120 Salisbury St., Raleigh, N. C.
4RV—P. M. Covington, Red Springs, N. C.
4RW—C. D. Whaley, 245 Loop Rd., Wilmington, N. C.
4RX—Alfonso Percy, 12 Isabel St., Ponce, P. R.
4RY—S. L. Belk, Montreat, N. C.
4RZ—H. E. Reeves, 5 Church St., Wilmington, N. C.
4SA—R. Bartholomew, Garrochales, P. R.
4SB—A. Allman, 149 San Mareo St., St. Augustine, Fla.
4SC—J. L. Young, Jr., 223 College St., Cedartown, Ga.
4SD—A. M. Bryan, 359 W. Magnolia St., Gainesville, Fla.
4SE—E. F. Pritchard, 216 Ray St., High Point, N. C.
4SF—H. F. Wyly, Jr., 322½ Tryon St., Charlotte, N. C.
4SG—P. A. Barkley, 530 N. Fulton St., Salisbury, N. C.
4SH—A. Maxwell, R. F. D., Spartanville, S. C.
4SI—J. M. Eubanks, 60 Copenhill, Atlanta, Ga.
4SJ—E. Schuelke, E. Market St., Greensboro, N. C.
4SK—R. Villamil, 31 Carretera St., Santurce, P. R.
4SL—S. D. Watson, 10 Academy St., Orangeburg, S. C.
4SM—R. F. Coady, Donaldsville, Ga.

Special Radio Stations of the Fourth District

4XA—Emory University, Atlanta, Ga.
4XB—Board of Public Education, Savannah, Ga.
4XC—B. W. Benning, 50 Whiteford St., Atlanta, Ga.
4XD—F. M. Laxton, Charlotte, N. C.
4XE—W. B. Short, 679 Spring St., Atlanta, Ga.
4XF—C. L. Pierce, 221 W. Peachtree St., Atlanta, Ga.
4XH—H. E. Bussey, 49 W. 12th St., Atlanta, Ga.
4XK—Winter Park El. Const. Co., Winter Park, Fla.
4XL—Mercer University, Macon, Ga.
4XN—Bryan Electric Co., Atlanta, Ga.
4YA—The E. E. Dept., Georgia School of Technology, Atlanta, Ga.
4YB—Knights of Columbus, 118 E. Bay St., Savannah, Ga.
4YD—The Signal Corp. Unit, Georgia School of Technology, Atlanta, Ga.
4YJ—K. of C., War Activities School, Atlanta, Ga.
4ZA—H. F. Dobbs, 427 Peachtree St., Atlanta, Ga.
4ZB—Georgia Railway & Power Co., 75 Marietta St., Atlanta, Ga.
4ZC—University of Florida, Gainesville, Fla.
4ZD—Piedmont Elec. Co., 21 Citizens Bldg., Asheville, N. C.
4ZE—J. C. Kollow, Route C., S. Jacksonville, Fla.
4ZF—T. Hatcher, 142 Adams St., Decatur, Ga.
4ZH—E. Camunas, Stop 43, Pershing Ave., San Juan, Porto Rico
4ZN—O. A. Gulledge, Riverside Drive, Fort Pierce, Fla.

Amateur Radio Stations of the Fifth District

Headquarters, Customhouse, New Orleans, La. The fifth district comprises the states of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, and New Mexico.

5AA—C. R. Randall, 2813 Calhoun, New Orleans, La.
5AAA—C. Adair, 3515 Swiss Ave., Dallas, Tex.
5AAB—S. R. LaNier, 1210 Gallatin Rd., Nashville, Tenn.
5AAC—W. C. Smith, 227 N. Locust St., Fayetteville, Ark.
5AAD—Chillicothe High School, Chillicothe, Tex.
5AAE—W. F. Gamble, 239 E. Main St., Chattanooga, Tenn.
5AAF—C. D. McCary, Frost, Tex.
5AAG—C. H. Marsh, 2306 E. 17th St., Chattanooga, Tenn.
5AAH—W. P. Cecil, 606 E. St., Ardmore, Okla.
5AAI—S. B. Ford, Jr., R. F. D. No. 2, Rockdale, Tex.
5AAJ—C. H. Tinsley, 1520—25th St., Meridian, Miss
5AAK—I. A. Kirksey, 1420 Avenue A., Brownwood, Tex.
5AAL—H. F. Williams, 1221—25th St., Meridian, Miss.
5AAM—J. B. Lowenstein, 1204—16th. S., Nashville, Tenn.
5AAN—K. A. Snarr, 123 N. Logan St., Charleston, Ark.
5AAO—J. R. Cravens, 411 W. Main St., Whitesboro, Tex.
5AAP—J. H. Edwards, Jr., 1741 White St., Alexandria, La.
5AAQ—B. A. Bowman, 1017 Fondulac St., Muskogee, Okla.
5AAR—S. Y. Moore, 402 Henderson St., Itasca, Tex.
5AAS—S. P. Dooley, 711 White St., Norman, Okla.
5AAT—A. S. Weber, 743 Government St., Baton Rouge, La.
5AAU—G. M. & C. L. Brewer, Sherman Ave., Vickery, Tex.
5AAV—C. H. Thielman, R. F. D. No. 2, Powderly, Tex.
5AAW—J. M. Brooks, 202 S. Birch St., Sapulpa, Okla.
5AAX—J. Dominic, Krebs, Okla.
5AAY—C. M. Dillon, Covington, La.
5AAZ—E. R. Peters, Box 185, Mountain Home, Ark.
5AB—J. H. Dutel, 1219 Elysian Fields Ave., New Or., La.
5ABA—W. C. Norris, 257 Maximilian St., Baton Rouge, La.
5ABB—R. C. Sweet, 807 Lahoma St., Norman, Okla.
5ABC—E. J. Bourgeois, 341 St. Joseph St. Baton Rouge, La.
5ABD—A. E. Hartz, 724 N. Market, Chattanooga, Tenn.
5ABE—E. Helmke, 2111 Everette St., Houston, Tex.
5ABF—W. B. Glass, 101 Albany St., San Antonio, Tex.
5ABG—C. E. Phillips, 305 E. Hunt St., McKinney Tex.
5ABH—E. H. Christy, 5347 Collseum St., New Orleans, La.
5ABI—H. E. Velte, R. F. D. 6, Box 14, Little Rock, Ark.
5ABJ—F. Copass Bowen, 1911 W. 12th St., Lubbock, Tex.
5ABK—J. G. J. Perkins Jr., 1528 Vinton, Memphis, Tenn.
5ABL—N. B. Drake, 210 W. 1st St., Tulsa, Okla.
5ABM—C. E. Fox, 806 N. 5th Ave., Knoxville, Tenn.
5ABN—G. A. Reynolds, 522 S. Margin St., Franklin, Tenn.
5ABO—W. Davenport, Texas St., Plainview, Tex.
5ABP—R. H. Gilley, 1205 Fawn St., Caldwell, Tex.
5ABQ—C. H. Stroup, Box 636, Krebs, Okla.
5ABR—W. V. Harber, 484 Avenue A. NW., Childress, Tex.
5ABS—R. E. Deckman, 1145 Russell Pl., San Antonio, Tex.
5ABT—G. T. Vickers, 104 Lewis St., Montgomery, Ala.
5ABU—J. A. Harvey 728 S. Sixth St., Raton, N. Mex.
5ABV—W. H. Stonerook, Roswell, N. Mexico.
5ABW—N. N. White, 225 N. Border St., Tyler, Tex.
5ABX—J. M. Hirsch, 1216 Jackson St., Alexandria, La.
5ABY—R. T. Bradford, Lonoke, Ark.
5ABZ—R. W. Carr, 267 W. Hulsache, San Antonio, Tex.
5AC—N. S. Hurley, 710 Carolina St., Mobile, Ala.
5ACA—N. Mitchell, 235 S. 25th St., Paris, Tex.
5ACB—O. Groff, 17—14th St., Duncan, Okla.
5ACC—E. K. Atkinson, Box 308, Childress, Tex.
5ACD—T. Wheadon, 1829 Milan St., New Orleans, La.
5ACE—J. A. Wilkes, 909 N. 2nd St., Nashville, Tenn.

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5ACF—A. W. Pollard, 225 Marshall Ave., Houston, Tex.
5ACG—P. Y. Eyer, 108 1st and Gilson St., DeQueen, Ark.
5ACH—M. H. Jacobs, 404 James St., Houston, Tex.
5ACI—J. F. Walsh, 613 Florence St. N., El Paso, Tex.
5ACJ—Unassigned
5ACK—S. G. Kent, 916 McGheo St., Knoxville, Tenn.
5ACL—W. E. Lott, Jr., Mineola, Tex.
5ACM—A. Hill, 118 E. 13th St., Anniston, Ala.
5ACN—S. Noto, Bryan, Tex.
5ACO—R. Frank, Kilmarnock St., Mobile, Ala.
5ACP—R. L. Kuester, 401 Gargan St., Houston, Tex.
5ACQ—D. Hales, 2826 Anderson St., Greenville, Tex.
5ACR—F. W. Scharpwinkel, 2213 Avenue K, Galveston, Tex.
5ACS—W. D. McCormick, 2222 Burdette St., New Or., La.
5ACT—W. D. Bowen, Jr., 633 W. Hopkins, San Marcos, Tex.
5ACU—G. T. Perry, 233 Claudia St., San Antonio, Tex.
5ACV—L. L. Odom, 506 Oak St., Nashville, Tenn.
5ACW—J. Fink Jewelry Co., 809 N. 6th, Fort Smith, Ark.
5ACX—R. K. Fitzgibbon, 2009 Fannin St., Houston, Tex.
5ACY—J. R. Shepherd, 201 Grant St., Sand Springs, Okla.
5ACZ—T. & E. Conroy, 117 E. Mistletoe, San Antonio, Tex.
5AD—F. C. Moore, 434 Hillary St., New Orleans, La.
5ADA—A. L. Burrow, Sr., Wash. & W. 5th, Teague, Tex.
5ADB—E. H. Funk, 2117 Grant St., El Paso, Tex.
5ADC—R. Dolen, 117 W. Dewey St., Sapulpa, Okla.
5ADD—R. D. Stafford, 3906 Prytania St., New Orleans, La.
5ADE—E. M. Swan, 2404 W. 14th St., Okla. City, Okla.
5ADF—C. B. McDonald, 408 Pecan St., Arlington, Tex.
5ADG—R. T. Hoffman, 842 Broadway, New Orleans, La.
5ADH—S. Knight, 719 S. Augusta St., Tyler, Tex.
5ADI—San Benito Radio Club, San Benito, Tex.
5ADJ—R. Holt, Charleston, Ark.
5ADK—M. Purnell, 2731 Ursuline Ave., New Orleans, La.
5ADL—G. M. McCarroll, Jr., 601 Asia St., Baton Rouge, La.
5ADM—J. D. Tucker, Jr., 1105 Glen Iris, Birmingham, Ala.
5ADN—M. R. McFarland, Conroe, Tex.
5ADO—A. R. Boellner, 508 N. Mo. Ave., Roswell, N. M.
5ADP—R. L. Cathey, Box 152, Lubbock, Tex.
5ADQ—G. W. Reid, 713 E. Walnut St., Hillsboro, Tex.
5ADR—J. R. Sullivan, 912 Oak Grove, Fort Worth, Tex.
5ADS—W. E. Hood, Arlington Pl. WE., Birmingham, Ala.
5ADT—M. M. Bulla, 405 W. Grand St., Okla. City, Okla.
5ADU—J. D. Griffin, 1717 W. 39th St., Okla. City, Okla.
5ADV—J. K. Reavley, 213 Mound St., Nacodoches, Tex.
5ADW—E. S. VanSickle, 2304 Ringo St., Little Rock, Ark.
5ADX—G. Feimell, 2122 Everett St., Houston, Tex.
5ADY—W. L. Ratisseau, Jr., 3812 Ave. P, Galveston, Tex.
5ADZ—L. D. Stewart, Gorman, Tex.
5AE—L. Peine, 1596 Rosalie Ave., Houston, Tex.
5AEA—H. H. Mann, 520 S. Park St., Sapulpa, Okla.
5AEB—S. Rossie Murphy, 516 N. Third, Mineral Wells, Tex.
5AEC—R. L. Fish, 237 E. 33d St. S., Okla. City, Okla.
5AED—B. Thomas, Rogers, Tex.
5AEE—M. L. Swan, 1515 E. 10th St., Oklahoma City, Okla.
5AEF—R. S. Luke, 124 W. Spring St., Weatherford, Tex.
5AEG—R. E. McCrary, R. F. D., care W. O. McCrary, Spur, Tex.
5AEH—P. H. Smith, 227 N. Locust St., Fayetteville, Ark.
5AEI—H. M. Donnelly, 215 James Ave., Goose Creek, Tex.
5AEJ—F. M. A. Motors, 632 N. Beaton St., Corsicana, Tex.
5AEK—J. Richardson, 107 S. 17th St., Nashville, Tenn.
5AEL—A. B. Hudson, Cheneyville, La.
5AEM—D. H. Wallis, 2336 Burdette St., New Orleans La.
5AEN—C. W. Wood, 103 Valette St., New Orleans, La.
5AEO—H. Rieben, 1101 Delaware St., Memphis, Tenn.
5AEP—M. F. Garcia, 818 Elizabeth St., Brownsville, Tex.
5AEQ—W. A. Bellinghausen, Jr., Box 360, Brownsville, Tex.
5AER—J. S. Friede, 411 State St., Texarkana, Ark.
5AES—T. M. Alexander, 1204 W. 15th St., Ft. Worth, Tex.
5AET—W. A. Knapp, 207 EN. 2nd St., Kaufman, Tex.
5AEU—C. W. Epps, Forney, Tex.
5AEV—H. W. Eversole, Rock Island, Tex.
5AEW—R. E. Chrone, Jr., 1019 N. Salado, San Antonio, Tex.
5AEX—S. A. Jones, Graford, Tex.
5AEY—B. G. Rubank, San Benito, Tex.
5AEZ—M. A. Bright, 1604 Louisiana St., Little Rock, Ark.
5AF—E. J. Knapp, 2711 Saunders St., San Antonio, Tex.
5AFA—C. E. Wharteby, 806 York St., Enid, Okla.
5AFB—C. B. James, Hamilton, Tex.
5AFC—G. S. Balcom, Jr., 503 Center St., Seguin, Tex.
5AFD—R. Sexton, 112 Washington St., Brownsville, Tex.
5AFE—Wheeler Radio Co., 411 Duncan St., Conway, Ark.
5AFF—M. T. Walters, 802 Carey Pl., Chattanooga, Tenn.
5AFG—A. Challener, 530 W. 20th St., Okla. City, Okla.
5AFH—P. B. Ward, Jr., 619 E. Main St., Cleburne, Tex.
5AFI—R. E. Daniels, San Benito, Tex.
5AFJ—C. F. Holland, 1704 Houston Ave., Pt. Arthur, Tex.
5AFK—D. W. Eddy, Lake Charles, La.
5AFL—D. L. Estes, 2244 W. Park St., Okla. City, Okla.
5AFM—R. S. Dockum, 1411 W. 3d Ave., Corsicana, Tex.
5AFN—W. E. Adkins, 156 Austin St., San Benito, Tex.
5AFO—C. J. Shepherd, 1309 State St., Little Rock, Ark.
5AFP—R. F. Green, W. Brownsville St., Brownsville, Tex.
5AFQ—J. P. Smith, Jr., 520 Wash. Ave., Fayetteville, Ark.
5AFR—W. C. Harris, Jr., Stop 6, Dallas Pike, Ft. Worth, Texas.
5AFS—E. C. Hughes, Jr., 1210 Selma St., Mobile, Ala.
5AFT—R. Burton, Roanoke Ala.
5AFU—P. A. Ford, 20th & Townsend St., Ada, Okla.
5AFV—R. M. Andre, R.F.D. No. 2, Gulfport, Miss.
5AFW—D. H. Willis, 402 Nevada St., San Antonio, Tex.
5AFX—M. E. Staley, 216 E. Huimache, San Antonio Tex.
5AFY—L. H. Hanson, 201 E. James St., Goose Creek, Tex.
5AFZ—G. P. Snyder, Glenrose, Tex.
5AG—J. C. Flippin, A. & M. College, Miss.
5AGA—E. Central Okla. Radio Club, (E. Spangler), E. Main St., Ada, Okla.
5AGB—P. W. Craig, 206 Ave. F, Ensley, Ala.
5AGC—J. F. Thomas, 701 Arlington St., Lawton, Okla.
5AGD—T. S. Lynch, 762 Washington Ave., Mobile, Ala.
5AGE—W. H. Ward, 1508 Avenue J, Lubbock, Tex.
5AGF—A. L. Kristek, Flatonia, Tex.
5AGG—S. D. Wooten, Jr., Coldwater, Miss.
5AGH—G. Adams, 144 Woodard St., Cleburne, Tex.
5AGI—W. K. K. Tell, 600 Avenue "D," Eagle Pass, Tex.
5AGJ—E. M. Prince, 601 Highland Pk., Birmingham, Ala.
5AGK—J. F. Hetherington, 104 Main St., Stillwater, Okla.
5AGL—H. Townsend, 1817 Holman St., Houston, Tex.
5AGM—A. A. Herndon, Belvieue, Moss Point, Miss.
5AGN—W. L. Ellis, 625 E. Sixth St., Okla. City, Okla.
5AGO—F. Dulaney, 1308 Windsor Ave., Bristol, Tenn.
5AGP—F. S. Bowen, Harris, Ark.
5AGQ—J. Mitchell, 400 Catherine St., Terrell, Tex.
5AGR—J. A. Teeters 1102 Dakota Ave., Chickasha, Okla.
5AGS—H. Moffat, 3017—9th St., Meridian, Miss.
5AGT—F. T. Brewer, 741 Griffith Ave., Terrell, Tex.
5AGU—W. Pappenheimer, 1707—26th Av., Meridian, Miss.
5AGV—B. W. Robins, 1725—24th Ave., Meridian, Miss.
5AGW—Texas Radio Club 612 E. Fifth, St., Austin, Tex.
5AGX—F. L. Morris, Jacksboro, Tex.
5AGY—E. J. Stovall, Bell Ellen, Ala.
5AGZ—C. Harris, Ringling, Okla.
5AH—C. W. Churchill, Box 366, Caldwell, Tex.
5AHA—A. S. de la Barre, Front St., Pass Christian, Miss.
5AHB—J. M. Oden, Gordon, Tex.
5AHC—L. A. Wilkinson, 725 Texas St., Denison, Tex.
5AHD—B. H. Huff, 209 W. Commerce St., Altus, Okla.
5AHE—J. Fox., 1923 N. Haskel St., Dallas, Tex.
5AHF—G. S. Buchanan, 510 High School Ave., Marlin, Tex.
5AHG—H. O. Good, Farmers Branch, Tex.
5AHH—J. G. Flynn, 2111—29th St., Galveston, Tex.
5AHI—K. McLoad, 2311 State St., Little Rock, Ark.
5AHJ—E. Craven, 498 Edith Place, Memphis, Tenn.
5AHK—W. D. McCormick & M. Brown, 7933 Sycamore St., New Orleans, La.
5AHL—L. G. Farley, 126 May St., San Antonio, Tex.
5AHM—H. Wilkins, Jr., 1128 Broadway, Galveston, Tex.
5AHN—J. H. Borin, Jr., 1515 Kirby St., Chattanooga, Tenn.
5AHO—M. C. Foster, Angleton, Tex.
5AHP—J. B. Carrigan, 1100 Austin, Wichita Falls, Tex.
5AHQ—F. Watson, 230 Cactus Ave., San Antonio, Tex.
5AHR—R. H. Cole, 423 E. 14th St., Okla. City, Okla.
5AHS—S. Donnell, Box 682, Lampasas, Tex.
5AHT—C. B. Locke, 1638 Wash. Ave., Ft. Worth, Tex.
5AHU—G. L. Miles, 907 E. Hillsboro St., El Dorado, Tex.
5AHV—T. Jones, Jr., 115 Carter St., San Antonio, Tex.
5AHW—H. Sheffield, 5706 Prospect St., Dallas, Tex.
5AHX—W. R. Brown, 1015 W. Nelson St., Denison, Tex.
5AHY—E. Feenberg, 1318 11th St. S., Fort Smith, Ark.
5AHZ—E. F. Reininger, 104 Seguin, New Braunfels, Tex.
5AI—M. C. Pierce, 311 21st St., Corsicana, Tex.
5AIA—F. L. Dietz, 719 Ryan St., Lake Charles, La.
5AIB—C. F. Kilander, 505 Galveston Ave., Ft. Worth, Tex.
5AIC—G. D. Smith, 5022 San Jacinto St., Dallas, Tex.
5AID—J. A. McCallum, Dullard & Broadway Sts., Silver City, N. M.
5AIE—J. T. Underwood, Sullinger Repair Shop, Maryville, Tenn.
5AIF—C. Reily, Jr., 2923 Azle, Ft. Worth, Tex.
5AIG—G. T. Brain, 431 W. Park St., Okla. City, Okla.
5AIH—W. O. Ansley, 306 Bramond St., Houston, Tex.
5AII—A. M. Turner & R. Cornett, Marine Hosp. No. 9, Fort Stanton, N. M.
5AIJ—P. M. Hargis, 1917 W. 11th St., Lubbock, Tex.
5AIK—F. W. Sullinger, 939 Main St., Maryville, Tex.
5AIL—C. S. Mostellar, Hill & Grove Sts., Pilot Point, Tex.
5AIM—N. J. Keith, Jr., Frisco St., Dublin, Tex.
5AIN—G. Preston, 601 E. Black St., El Dorado, Tex.
5AIO—R. W. Douglas, 205 Grand Ave., Ponca City, Okla.
5AIP—C. A. Tredwell, 1512 E. Main, Siloam Springs, Ark.
5AIQ—H. H. Lisle, Jr., Quemado, N. M.
5AIR—P. Ramey, Oxford, Miss.
5AIS—W. R. Harris, 510 Dumaway St., Waxahachie, Tex.
5AIT—E. R. Hauser, 4 Vine St., Montgomery, Ala.
5AIU—D. O. Howard, 209 E. 13th St., Okla. City, Okla.
5AIV—N. P. Barton, Jr., Mercedes, Tex.
5AIW—H. Henry, 1412 Dauphine St., Mobile, Ala.
5AIX—A. L. Presley, Vaughan, Miss.
5AIY—W. H. Ray, 723 N. Beckley Ave., Dallas, Tex.
5AIZ—T. E. Anderson, 2003 Saunders, San Antonio, Tex.
5AJ—J. M. Cogdell, Granbury, Tex.
5AJA—L. Houck, 318 Sanders St., San Antonio, Tex.
5AJB—P. J. Moore, 915½ Robinson St., Okla. City, Okla.
5AJC—H. J. Herron, 1010 Chestnut St., Denison, Tex.
5AJD—F. Nesrsta, S. Sixth St., Flatonia, Tex.
5AJE—J. H. Buchanan, Groesbeck, Tex.
5AJF—C. A. Ray, 1511 Fifteenth St., Meridian, Miss.
5AJG—L. W. May, Jr., 3609 Craigmont Ave., Dallas, Tex.
5AJH—G. W. Leach, 1441 N. Third St., Abilene, Tex.
5AJI—E. C. Perkinson, 1516 Avenue "C," Brownwood Tex.
5AJJ—B. S. Shields, 3704 Oaklawn Ave., Dallas, Tex.
5AJK—D. Lynch, 260 Washington Ave., Mobile, Ala.
5AJL—J. H. Crump, Menard, Tex.
5AJM—F. H. Davis, 309 W. Fifth St., Chattanooga, Tenn.
5AJN—L. C. Waller, 200 Maple St., N. Little Rock, Ark.
5AJO—J. E. Hodge, 512 W. Lindsey St., San Marcos, Tex.
5AJP—A. T. Trum, 217 Catonia St., Montgomery, Ala.
5AJQ—D. C. Harder, 323 Elmira St., Muskogee, Okla.
5AJR—G. W. McCauley, Box 101, College Station, Tex.
5AJS—O. M. Pearce, 309 Hodges St., Lake Charles, La.
5AJT—W. B. Forrest, Jr., 502 Royal St., Waxahachie, Tex.
5AJU—C. Haynes, 226 Topeka Blvd., San Antonio, Tex.
5AJV—H. H. Harris, 3601 Oak Lane Ave., Dallas, Tex.
5AJW—F. N. Walden, 903 Rogan St., Brownwood, Tex.
5AJX—H. Martin, Jr., 704 E. Guenther, San Antonio, Tex.
5AJY—B. M. Morgan, Walnut at 6th St., Lampasas, Tex.
5AJZ—B. H. Borchers, 702 W. Georgia, San Antonio, Tex.
5AK—G. L. Carrington, 1415 Barber St., Little Rock, Ark.
5AKA—A. Hartman, 429 Mason St., San Antonio Tex.
5AKB—E. C. Spangler, 312 E. 12th St., Ada, Okla.
5AKC—J. Speek, 528 N. Church St., McKinney, Tex.
5AKD—C. P. Miller, 1241 N. 4th St., Abilene, Tex.
5AKE—J. O. Wood, 223 N. Turner St., Ada, Okla.
5AKF—E. B. Gish, 102 E. 8th St., Amarillo, Tex.
5AKG—C. W. Jackson, Box 274, Humble, Tex.
5AKH—J. M. Reilly, 4531 Ryan St., Dallas, Tex.
5AKI—M. P. Norman, Oil City, La.
5AKJ—K. Jonas, Route D. Box 50D, San Antonio, Tex.
5AKK—A. C. West, Commerce, Tex.
5AKL—R. L. Colbert, 2211 Elleston Pl., Nashville, Tenn.
5AKM—J. C. Walker, Thurber, Tex.
5AKN—J. H. Robinson, 522 Cumberland St., Dallas, Tex.
5AKO—O. W. Chancellor, Ave "D" & 22d. Galveston, Tex.
5AKP—I. W. Gullett, 819 29th Ave., Meridian, Miss.
5AKQ—W. V. Riddle, Joshua, Tex.
5AKR—L. Herbert, 409 Railroad Ave., Plaquemine, La.
5AKS—T. N. Walsh 525 Rockwood St., Dallas, Tex.
5AKT—E. H. Johnston, 307 N. Connellee St., Eastland, Tex.
5AKU—A. Taylor, 130 Stonewall St., San Antonio, Tex.
5AKV—N. W. Stone, 2913 Hood St., Dallas, Tex.
5AKW—J. C. Buchanan, 2110 Coker, Knoxville, Tenn.
5AKX—J. T. Colling, 1821 Line Ave., Shreveport, La.
5AKY—W. F. Kitchens, 1608 Roosevelt St., El Paso, Tex.
5AKZ—J. T. Porter, 1608 Howard St., Corpus Christi, Tex.
5AL—Cecil F. Butcher, 2202 Wellington, Greenville, Tex.
5ALA—W. E. Huddleston, 704 Caldwell St., Conway, Ark.
5ALB—R. W. Goddard 1923 Cumberland, Little Rock, Ark.
5ALC—H. K. McWilliams, 305 S. Madera, Eastland, Tex.
5ALD—K. R. Woodford, Runnels St., Big Spring, Tex.
5ALE—R. W. Dickerman, 214 N. Denton, Gainsville, Tex.
5ALF—N. B. Anderson, Rosenberg, Tex.
5ALG—H. C. Zimmer, Qtrs. T 43 A, Ft. McIntosh, Laredo, Texas
5ALH—J. P. Metcalf, 504 W. 6th St., Bristow, Okla.
5ALI—R. A. Egbert, Grand Saline, Tex.
5ALJ—B. Roberts, 404 Rainey St., Marshall, Tex.
5ALK—O. H. Williamson, Cooper, Tex.
5ALL—B. N. Frazer, 529 Connolly, Sulphur Springs, Tex.
5ALM—R. J. Conant, 3715 Granstark St., Houston, Tex.
5ALN—P. Schmitz, 908 N. 20th St., Fort Smith, Tex.
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5ALP—H. A. Regan, 209 Plum St., N. Albuquerque N. M.
5ALQ—L. A. Miller, 718 S. 3d St., Albuquerque, N. M.
5ALR—R. E. Shelby, 1114 W. 9th St., Austin, Tex.
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5ALT—W. E. Ballard, 1010 Fair St., Franklin, Tenn.
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5ALV—R. W. Pharr, 159 Clark Pl., Memphis, Tenn.
5ALW—I. A. Sowder, 415 W. 13th St., Columbia, Tenn.
5ALX—P. J. Young, 62 Church St., Pratt City, Ala.
5ALY—B. S. Melton, 1614 Travis St., Houston, Tex
ALZ—Samuel J. Williams, 1922—23d Ave., Meridian, Miss.
5AM—C. E. Ammon, 4913 S. Robertson St., New Or., La.
5AMA—Rev. E. T. Drake, 8th & Green Sts., Orange, Tex.
5AMB—C. M. Esler, 1115 Woodward St., Denison, Tex.
5AMC—H. McGaughy, 210 Chicago Blvd., San Antonio, Tex.
5AMD—H. H. Earnest, 1004 Vidaurri Ave., Laredo, Tex.
5AME—D. C. Sanford, 308 St. Charles, Birmingham. Ala.
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5AMG—H. Wheeler, R. F. D. 1, Marshall, Tex.
5AMH—L. E. Hughes, 231 Grace St., E. Lake Sta., Birmingham, Ala.
5AMI—R. N. McCollom, 1117—16th St., Lubbock, Tex.
5AMJ—C. A. De Arman, Box 51, Grapevine, Tex.
5AMK—R. M. Edison, Beeville, Tex.
5AML—H. A. Wooten, Sanatobia, Miss.
5AMM—R. A. Pierce, Marked Tree, Ark.
5AMN—J. L. Hamner, 4308 Avenue F, Austin, Tex.
5AMO—G. F. Dennis, 1108 Madison St., Brownsville, Tex.
5AMP—J. W. Crain, 1008 W. Highland St., Denton, Tex.
5AMQ—J. D. Voss, 411 Conway Blvd., Conway, Ark.
5AMR—H. E. Talley, 621 S. Locust St., Conway, Ark.
5AMS—D. H. Moyers, N. Main St., Grand Saline, Tex.
5AMT—G. P. Adair, Roerne, Tex.
5AMU—C. Sheafer, 1138 W. Main St., Okla. City, Okla.
5AMV—N. K. Rector, 230 S. Main St., New Kirk, Okla.
5AMW—W. D. Reed, Holland, Tex.
5AMX—C. F. Council, Clyde, Tex.
5AMY—W. Wood, 340 Butternut St., Abilene, Tex.
5AMZ—O. G. Laird, 815 NE. 2d St., Mineral Wells, Tex.
5AN—H. W. Phillips, 632 E. Grand St., McAlester, Okla.
5ANA—L. C. Bowling, 300 E. 4th St., Bonham, Tex.
5ANB—R. J. Lockhart, 423 W. Pierce St., Mangum, Okla.
5ANC—W. Easley, 223—3d St., Enid, Okla.
5AND—H. C. Meyer, Jr., 408 Bell St., Rockdale, Tex.
5ANE—P. V. Paerce, University Barracks, Enid. Okla.
5ANF—H. G. Garman, Apt. 30, Laurana Courts, Enid, Okla.
5ANG—H. Harlan, R. F. D. 2, Seagoville, Tex.
5ANH—E. D. Gaston, Granbury, Tex.
5ANI—M. F. Hill, 902 S. Houston St., Tulsa, Okla.
5ANJ—G. L. Bushong, 3617 N. 6th St., Ft. Worth, Tex.
5ANK—R. M. Knudsen, 2902 n½ St., Galveston, Tex.
5ANL—R. E. Finley, 2d Sig. Co., Ft. S. Houston. San Antonio, Tex.
5ANM—L. L. Antes, 316 Hansford St., San Antonio, Tex.
5ANN—F. E. Hofstatter, 1000 State St., Little Rock, Ark.
5ANO—G. Waller, 1610 Corinth St., Dallas, Tex.
5ANP—E. M. Prince, 601 Highland Pk., Birmingham, Ala.
5ANQ—C. A. Irvin, Box 238, Grapevine, Tex.
5ANR—H. D. Stringer, 723—8th St., Memphis, Tex.
5ANS—G. & T. Todd, 6207 Bryan Parkway, Dallas, Tex.
5ANT—L. Murray, 2630 E. Main St., Chattanooga, Tenn.
5ANU—L. S. Byrd, Midlothian, Tex.
5ANV—N. J. Dearing, 880 Pierce St., Memphis, Tenn.
5ANW—J. H. Johnston, 4201 W. 10th St., Little Rock, Ark.
5ANX—A. M. Broward, 1106 Hawthorne, Fort Worth, Tex.
5ANY—L. R. Scott, 427—9th St., Chickasha, Okla.
5ANZ—L. E. Harrison, 414 S. Green St., Eastland, Tex.
5AO—C. B. Jordan, Box 372, Hamilton, Tex.
5AOA—W. Hughes, 920 Buffalo St., Cleburne, Tex.
5AOB—C. G. Nixon, R. F. D. 1, Durant, Okla.
5AOC—J. O. Oakes, Box 7, Flatonia, Tex.
5AOD—E. B. Germany, 506 N. 18th St., Corsicana, Tex.
5AOE—D. B. Lawrence, 703 Lowell Ave., Wynnewood, Okla.
5AOF—J. B. Barrett, 439 Connolly, Sulphur Springs, Tex.
5AOG—J. D. Bloom, Jr., 5718 St. Charles, New Orleans, La.
5AOH—F. H. Jackson, 1519 Big Hill, Pawhuska, Okla.
5AOI—L. Harold Calloway, Coldwater, Miss.
5AOJ—J. P. Pearson, Jr., 200 Eubank St., Birmingham, Ala.
5AOK—R. H. Sullinger, 165 Chillhowee St., Maryville, Tenn.
5AOL—W. J. Coffey, College Hill Oxford, Miss.
5AOM—J. W. Newman, 912 Charleston St., Mobile, Ala.
5AON—M. L. Hughett, 213 W. 8th St., Stillwater, Okla.
5AP—A. C. Johnston, 3708 Lexington St., Dallas, Tex.
5AQ—J. A. Cunningham, 28 E. St., NW., Miami, Okla.
5AR—E. C. Hand, Bay Minette, Ala.
5AS—L. B. Newsum, 2207 Rio Grande St., Austin, Tex.
5AT—J. Oldaker, 416 S. High St., Albuquerque, N. M.
5AU—V. Jensen, 137 S. St. Patrick St., New Orleans La.
5AV—F. Mahaffey, Jr., 7011 Avenue F, Houston, Tex.
5AW—W. S. Bledsoe, 2922 Alamogordo St., El Paso, Tex.
5AX—H. S. Brownell, R. F. D. 8, Box 74, Birmingham Ala.
5AY—W. C. Leahy, 530 Ave. C, Bogalusa, La.
5AZ—F. M. Roehl, 8118 Cohen St., New Orleans, La.
5BA—H. A. Crossland, 1912 Mason St., Houston, Tex.
5BB—H. T. Carroll, 708 Milan St., Shreveport, La.
5BC—R. S. Gardenshire, 1516 Stanley St., Ardmore, Okla.
5BD—G. C. Luwing, 221 N. Center St., Arlington, Tex.
5BE—H. King, Jr., 138 Va Place, Ft. Worth, Tex.
5BF—E. F. Waits, 410 Filmore St., Corinth. Miss.
5BG—H. H. Arnold, Jr., P. O. Box 607, Bristow, Okla.
5BH—A. Harper, 1303—29th St., Galveston, Tex.
5BI—J. L. Scott, Lewisville, Ark.
5BJ—R. W. Layton, 410 W. First Ave., Corsicana, Tex.
5BK—G. E. Dupont, 2726 Dumaine St., New Orleans, La.
5BL—D. M. Hester, Weatherford College, Weatherford, Tex.
5BM—C. M. Selby, 224 S. 14th St., Muskogee, Okla.
5BN—W. J. Gentry, Jr., 314 Rock Island, El Reno, Okla.
5BO—O. M. Shaw, Marathon, Tex.
5BP—H. M. Martin, Jr., 1011 Fairmount St., Anniston, Ala.
5BQ—S. W. Bayliss, 1404 N. 33d St., Birmingham, Ala.
5BR—P. R. Jones, 28th & Arline Sts., Muskogee, Okla.
5BS—F. G. Atwater, Jr., 406 W. Main St., Houston, Tex.
5BT—J. P. Morrison, Jr., 1711 S. Peoria St., Tulsa, Okla.
5BU—L. J. Crawley, 2719 Carondelet St., New Orleans, La.
5BV—C. M. Woodman, 600 Rockwood St., Dallas. Tex.
5BW—T. Bernero, 1648 Indiana St., Memphis, Tenn.
5BX—W. H. M. Watson, 2500 Maple Ave., Dallas, Tex.
5BY—D. Wilson, 913 "A" St., Lawton, Okla.
5BZ—J. Grosse, 1915 McGowan St., Houston, Tex.
5CA—L. B. Quinby, 2204 Brazos St., Houston, Tex.
5CB—C. B. Galloway, 1516 Arch St., Little Rork, Ark.
5CC—V. Woodward, Morrilton, Ark.
5CD—W. R. Bouldin, 615 Delaware St., Dewey, Okla.
5CE—G. L. Roach, 417 W. Washington St., Enid, Okla.
5CF—T. B. Ancell, 1318 Hendricks St., Dallas, Tex.
5CG—M. E. Apple, Chapparal & Peoples, Corpus Christi, Texas
5CH—W. J. Uhalt, 1101 Gen. Persh'g St., N. Orleans, La.
5CI—M. B. Patterson 1822 Bennett Ave., Dallas, Tex.
5CJ—L. W. Uhl, Desdemona, Tex.
5CK—A. P. Bell, R. F. D. No. 2, Dublin, Tex.
5CL—R. Palliser, Jr., 3228 Avenue O, Galveston, Tex.
5CM—B. Cate, Jr., Park St., Commerce Tex.
5CN—L. K. Rush, 4—2d St., Bemis, Tenn.
5CO—L. Canday, 823 W. Houston St., Sherman, Tex.
5CP—L. F. Stollenwreck, R.F.D 8, Box 70b, Birmingham, Alabama
5CQ—G. Mora, 1601—21st St., Galveston, Tex.
5CR—E. L. Durbin, 139 Riverside Ave., Little Rock, Ark.
5CS—C. Hamil, 607 SW. Fifth Ave., Mineral Wells, Tex.
5CT—D. R. Miller, Vickery, Tex.
5CU—L. B. Sartain, Jr., 203½ Cedar, S. Pittsburg, Tenn.
5CV—J. S. Braun, 3110 Lasker St., Waco, Tex.
5CW—H. Colbert, 603 Broadway, Ardmore, Okla.
5CX—N. M. College of A. & M. Arts, State College, N. M.
5CY—T. J. Fitzsimmons, Box 1824, Siding 6, Dallas, Tex.
5CZ—B. Suratt, 209 Court St., Montgomery, Ala.
5DA—W. C. Hutcheson, Windrock, Tenn.
5DB—J. Lisk, 129 Flynn St., Alva, Okla.
5DC—G. N. Karnes, Wellington, Tex.
5DD—R. C. Carroll and J. Sumrall, 402 E. Josephine St., Weatherford. Tex.
5DE—F. J. Whitlock, 1203 Arizona St., El Paso, Tex.
5DF—T. R. Mills, Texas Motor Route A, Lampasas, Tex.
5DG—Tyler Com. College, 115 S. College St., Tyler, Tex.
5DH—L. Covington, 1059 Indiana St., Memphis, Tenn.
5DI—T. S. Depew, 2209 Azle St., Fort Worth, Tex.
5DJ—W. Jenkins, 306 Avondale St., Houston, Tex.
5DK—E. S. Jackson, Silver City, N. M.
5DL—W. R. Brownlee, 1500 Railey, Chattanooga, Tenn.
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5DN—C. Clonts, 2221 W. Park Pl., Oklahoma City, Okla.
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5DP—J. H. Uhalt, 1219 N. Rampart, New Orleans, La.
5DQ—T. J. M. Daly, 1200 9th St., N. Little Rock, Ark.
5DR—G. R. Clough, 1214 40th St., Galveston, Tex.
5DS—D. E. Boyette, 111 N. 7th St., Lawton. Okla.
5DT—H. Watson, 2500 Maple Ave., Dallas, Tex.
5DU—W. E. Gray, 805 W. 24th St., Little Rock, Ark.
5DV—B. E. Jones, 924 E. Main St., Okmulgee, Okla.
5DW—D. Ablowich, Jr., 2109 Park St., Greenville, Tex.
5DX—H. H. Taylor, 215 N. West St., Morrilton, Ark.
5DY—H. P. Miller, Royse City, Tex.
5DZ—J. P. Averna, 2325 Chartres St., New Orleans, La.
5EA—L. V. Brians, Carlisle, Ark.
5EB—M. M. Hill, Pineville, La.
5EC—G. B. Kaiser, Wharton, Tex.
5ED—H. B. Beals, 1403 Schiller Ave., Little Rock, Ark.
5EE—W. F. Hunt, Gorman, Tex.
5EF—M. C. Poor, 437 W. Grand St., McAlester, Okla.
5EG—G. H. Logan, 202 E. Broad St., Texarkana, Tex.
5EH—C. F. Myers, 106 N. Hillcrest, Ft. Worth, Tex.
5EI—F. H. Ward, Box 594, R. F. D. No. 1, Houston, Tex.
5EJ—D. Stroud, Jr., 548 Santa Monica, San Antonio, Tex.
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5EL—R. R. Bridge, Bartlett, Tex.
5EM—J. W. Gladson, Ringgold, La.

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5EP—A. A. Schiele, 824 Bordeaux St., New Orleans, La.
5EQ—C. T. Brown, 1824 Bellevue Ave., Birmingham, Ala.
5ER—J. E. Cain, Jr., R. R. 9, Franklin Pike, Nashville, Tenn.
5ES—J. L. Tyler, 943 Garden St., San Antonio, Tex.
5ET—J. W. Kline, 330 St. James St., Alexandria, La.
5EU—H. J. Haas, 507½ S. Boulder St., Tulsa, Okla.
5EV—R. D. Evans, 250 Dodds Ave., Chattanooga, Tenn.
5EW—M. J. Wilson, R. F. D. No. 2, Box 117, Brownsville, Tex.
5EX—F. J. Miller, England, Ark.
5EY—J. E. Moore, Ringling, Okla.
5EZ—F. M. Mabry, 934 W. King Hgwy., San Antonio, Tex.
5FA—T. C. McGhee, West, Tex.
5FB—A. R. Hart, 225 N. East St., Fayetteville, Ark.
5FC—D. W. Whittaker, P. O. Box 62, and M. H. Loveladv, 201 S. Bolton St., Jacksonville, Tex.
5FD—Dr. W. Hardy, 220 First Ave., Ardmore, Okla.
5FE—R. L. Miller, 1008 Summit Ave., W., Corsicana, Tex.
5FF—H. W. Wolverton, 706 "D" St., Ardmore, Okla.
5FG—G. T. Gunnip, 1409 Twelfth St., Wichita Falls, Tex.
5FH—E. L. Deutschman, 912 National Ave., E. Las Vegas, N. M.
5FI—E. B. Poole, 1417—17th Ave. S., Birmingham, Ala.
5FJ—S. S. Smith, 1823 E. 16th St., Tulsa, Okla.
5FK—E. G. McKinney, 2009 E. Elm St., Enid, Okla.
5FL—C. H. Collier, 265 Box, Shaw, Miss.
5FM—E. H. Morter, 1022 Third Ave., Ardmore, Okla.
5FN—P. J. Miller, 4936 Pitt St., New Orleans, La.
5FO—R. E. Kelly, Haskell, Okla.
5FP—B. Stringer, Jr., Mount Vernon, Tex.
5FQ—B. Stuart, 1401—24th Ave., Meridian, Miss.
5FR—N. A. Binz, 1202 Tuam Ave., Houston, Tex.
5FS—A. V. Gunn, 1125 N. Main St., Tulsa, Okla.
5FT—R. G. Wilkins, 1207 Hillside Ave., Austin, Tex.
5FU—P. H. Earle, Jr., 400 Cotton St., Birmingham, Ala.
5FV—J. H. DeWitt, Jr., 1812 15th, S., Nashville, Tenn.
5FW—E. T. Jones, 3997 Dumaine St., New Orleans, La.
5FX—B. E. Overton, 402 Griffith Ave., Terrell, Tex.
5FY—N. M. College of A. & M. Arts, State College, N. M.
5FZ—N. M. College of A. & M. Arts, State College, N. M.
5GA—E. W. Austin, 1239 S. St. Louis Ave., Tulsa, Okla.
5GB—J. R. Watson, Route 5, Box 265A, Normal, Tenn.
5GC—T. H. Laag, 2521 San Jose St., El Paso, Tex.
5GD—C. A. Keltner, 1356 Lauderdale St., Memphis, Tenn.
5GE—E. J. Allen, 418 Twohig St., San Angelo, Tex.
5GF—J. H. Brown, Jr., 223 S. Oregon St., Dallas, Tex.
5GG—H. W. Gaddis, 1537 Keeler St., Bartlesville, Okla.
5GH—W. Lemann, Jr., Donaldsonville, La.
5GI—E. E. Chase, 822 Lyon St., New Orleans, La.
5GJ—H. C. Siegfried, Hall Addition, Sand Springs, Okla.
5GK—C. Andres, Jr., 2748 Gladiolas St., New Orleans, La.
5GL—P. R. Happel, 711 N. Walnut St., Cleburne, Tex.
5GM—S. H. Newlin, 229 Tinker St., Pawhuska, Okla.
5GN—C. E. Friedlander, 2808 Washington, Greenville, Tex.
5GO—R. W. Bush, 1816 N. Stonewall St., Greenville, Tex.
5GP—J. McCaa, 1025 Fairmount Ave., Anniston, Ala.
5GQ—E. C. Bartholomew, 902 West Ave., Austin, Tex.
5GR—L. E. Richards, Box 368, Beeville, Tex.
5GS—E. E. Newlin, 824 Florida St., San Antonio, Tex.
5GT—J. M. Riggan, 408 W. San Antonio St., Pearsall, Tex.
5GU—J. F. E. Cory, R. F. D. 7, Box 52, Oklahoma City, Okla.
5GV—J. R. Cooper, 317 E. Monroe St., McAlester, Okla.
5GW—B. Whitley, 1108 West Ave., Austin, Tex.
5GX—R. Morris, 2301 Tills Ave., Fort Smith, Ark.
5GY—J. C. Campbell, 456 N. Sam Houston St., San Benito, Texas
5GZ—C. Mouzon, Acklen Park, Nashville, Tenn.
5HA—R. K. Kelly, 516 White St., Norman, Okla.
5HB—L. Bastien, 2525 O'Reilly St., New Orleans, La.
5HC—H. Clemons, 311 Belmont St., San Antonio, Tex.
5HD—G. W. Curtsinger, 3702 Live Oak St., Dallas, Tex.
5HE—W. C. Putnam, Brookline Addition, Houston, Tex.
5HF—S. Cox, Groesbeck, Tex.
5HG—W. E. Hough, Jr., 333 N. Sixth St., Muskogee, Okla.
5HH—H. M. Horton, 625 "G" St., N.W., Ardmore, Okla.
5HI—H. M. Burke, 317 Spruce St., Little Rock, Ark.
5HJ—S. F. Grubb, 604 W. North Ave., Vinita, Okla.
5HK—R. W. Carol, 228 N. Peak St., Dallas, Tex.
5HL—W. D. VanDyke, 242 McCallie, Chattanooga, Tenn.
5HM—L. R. Foster, 922 S. Eleventh St., Gadsden, Ala.
5HN—J. L. Bradberry, 1122 Welch St., Little Rock, Ark.
5HO—J. C. Henriquez, Box 351, Pass Christian, Miss.
5HP—C. Moorman, Box 173, Gorman, Tex.
5HQ—Y. Cummings, 1817 Elizabeth, Wichita Falls, Tex.
5HR—A. P. Rubito, 2655 Canal St., New Orleans, La.
5HS—F. W. Kush, 705 Paso Hondo St., San Antonio, Tex.
5HT—E. C. Tipton, 200 Clark Ave., Fort Worth, Tex.
5HU—R. Estes, S. W. Sanatorium, San Angelo, Tex.
5HV—E. L. Blevins, DeQueen, Ark.
5HW—L. G. White, Jr., Arlington Hghts., Ft. Worth, Tex.
5HX—E. L. Dye, Jr., 419 Beach St., Plainview, Tex.
5HY—E. J. Haling, 611 S. Willomet St., Dallas, Tex.
5HZ—T. R. Heyck, 240 W. Alabama St., Houston, Tex.
5IA—E. M. Link, Fort Sill, Okla.
5IB—H. R. Pretty, 324 Iowa Ave., Chickasha, Okla.
5IC—J. Johnson, Whitewright, Tex.
5ID—W. R. McCutchan, 215 Outlet St., Buntyn, Tenn.
5IE—R. Clinkscales, 3913 Hamilton Ave., Dallas, Tex.
5IF—J. Barr, 2209 Edwin Ave., Ft. Worth, Texas
5IG—E. A. Richards, P. O. Box 25, Tuleta, Tex.
5IH—W. Goode, 2717 Shelby St., Dallas, Tex.
5II—P. B. Bell, 1415 W. 25th St., Oklahoma City, Okla.
5IJ—T. A. Jones, Lampasas, Tex.
5IK—T. J. Adams, 308 Stonewall St., Memphis, Tenn.
5IL—D. R. Robertson, 4520 W. 26th St., Bryan, Tex.
5IM—E. W. Bouse, 1120 Michaelle St., Galveston, Tex.
5IN—N. C. Finney, 2500 Normandy St., Dallas, Tex.
5IO—H. L. Graham, 1130 Alvarado St., Cleburne, Tex.
5IP—P. T. Bennett, 2723 LaClede St., Dallas, Tex.
5IQ—W. C. Tinus, 1723 Brainard St., Waco, Tex.
5IR—H. C. Markham, Goose Creek, Tex.
5IS—F. A. Cain, Pine St., Greenville, Miss.
5IT—A. B. Livingood, Hot Springs Blvd., East Las Vegas, N. M.
5IU—M. Witcher, Gatesville, Tex.
5IV—V. F. Campbell, 116 Potomac St., San Antonio, Tex.
5IW—N. J. Rich, 1530 W. Broadway, Fort Worth, Tex.
5IX—F. & H. Glitsch, 2719 Welborn St., Dallas, Tex.
5IY—H. G. Moore, 716 National Ave., E. Las Vegas, N. M.
5IZ—J. P. Walker, 14 "C" St., S.E., Miami, Okla.
5JA—A. C. Barrett, Park Hotel, Las Cruces, N. M.
5JB—R. Disheroon, 112 W. Mineral St., Hot Springs, Ark.
5JC—J. B. Rives, 304 Allen St., San Angelo, Tex.
5JD—W. Kinsolving, 2019 Gaines St., Little Rock, Ark.
5JE—J. R. Reeves, 2002 E. Pine St., Enid, Okla.
5JF—J. C. Goulden, 708 Upton St., San Angelo, Tex.
5JG—B. W. Johnson, Jr., 4029 Travis St., Dallas, Tex.
5JH—A. E. Craddtree, 117 College St., Sulphur Spgs., Tex.
5JI—F. Mahaffey, 7011 Av. "F," Cent. Pk., Houston, Tex.
5JJ—F. G. Southworth, 715 N. Beacon St., Dallas, Tex.
5JK—N. B. Berleth, 445 Hawthorne Ave., Houston, Tex.
5JL—P. R. Happel, 711 N. Walnut St., Cleburne, Tex.
5JM—H. A. Van Eaton, 206 Drew St., Houston, Tex.
5JN—G. L. Barnett, 313 Chatham St., Mobile, Ala.
5JO—H. L. Ansley, 1428 N. 12th Ave., Birmingham, Ala.
5JP—J. B. Keller, 1703 Polk St., Alexandria, La.
5JQ—A. L. Berthold, 1108 Arlington St., Houston, Tex.
5JR—S. G. Groom, 1001 Augusta St., Mobile, Ala.
5JS—Brady McCallum, 522 Berry St., Birmingham, Ala.
5JT—B. E. Cook & Ross Shannon, 335 S. Line, Cuero, Tex.
5JU—D. Spencer, 122 W. Sixteenth St., Ada, Okla.
5JV—H. H. Sutton, 1305 Clinch St., Knoxville, Tenn.
5JW—L. C. Hoffman, 4334 Palmyra St., New Orleans, La.
5JX—W. L. Coker, 268 East St., Talladega, Ala.
5JY—J. Moore, 5015 Ross Ave., Dallas, Tex.
5JZ—G. B. Scott, 323 W. Mulberry St., Denton, Tex.
5KA—L. W. Raney, 290 Strathmore St., Memphis, Tenn.
5KB—W. L. Caton, 51 St. Stephen's Road, Mobile, Ala.
5KC—V. L. Rosso, 105 Railroad Ave., Plaquemine, La.
5KD—T. C. Castle, 1402 Prospect Ave., Houston, Tex.
5KE—H. R. Martin, 904 S. Seaman St., Eastland, Tex.
5KF—J. M. Baldwin, 310 N. Broadway, Okla. City, Okla.
5KG—Pierre M. Hommel, 506 W. Laurel, San Antonio, Tex.
5KH—R. B. McCullor, 717 Wolverton St., Ardmore, Okla.
5KI—W. M. Wendt, 111 Times Alley, Muskogee, Okla.
5KJ—R. J. Scheffer, 231 S. Scott St., New Orleans, La.
5KK—G. M. Howard, 612 S. Willomet St., Dallas, Tex.
5KL—L. Statham, 130 Wickes St., San Antonio, Tex.
5KM—C. P. Sweeney, Angleton, Tex.
5KN—J. Fox, 2210 Avenue M, Galveston, Tex.
5KO—F. Fisher, 915 Travis St., Fort Worth, Tex.
5KP—J. L. Puckett, Elgin, Tex.
5KQ—V. C. McIlvaine & F. W. Breedlove, 1001 Columbia Ave., Sheffield, Ala.
5KR—J. C. Heriquez, Jr., Box 337, Pass Christian, Miss.
5KS—H. D'Aquin, 3109 DeSoto St., New Orleans, La.
5KT—W. R. Thompson, Jr., 712 Water, Waxahachie, Tex.
5KU—R. J. Price, 4166 Painters St., New Orleans, La.
5KV—E. F. Carter, 709 N. 7th St., Elgin, Tex.
5KW—G. L. Wheeler, Route 3, Box 153, Okla. City, Okla.
5KX—J. H. Lawry, 412 Royal St., Waxahachie, Tex.
5KY—R. Reed, Box 462, Sapulpa, Okla.
5KZ—T. R. Hamilton, Kreha, Okla.
5LA—J. Floyd, 916 Booker St., Brownwood, Tex.
5LB—F. J. Williams, 619 E. Hurd St., Edmond, Okla.
5LC—L. B. & Y. M. Cornelius, Stop Edgewood, Dallas Pike, Ft. Worth, Tex.
5LD—J. E. Martin, 2215 Fairmount St., Dallas, Tex.
5LE—V. Fertitta, 1127 Royal St., New Orleans, La.
5LF—G. P. Stout, 1621 Riverside Drive, Knoxville, Tenn.
5LG—A. K. Tatum, Box 159, Alamagordo, N. M.
5LH—T. J. Murden, Jr., 1446 St. Mary, New Orleans, La.
5LI—M. Patton, Jr., 2222 Church St., Greenville, Tex.
5LJ—L. S. Torrans, Jefferson, Tex.
5LK—J. H. Booker, 20½ Park St., Sapulpa, Okla.
5LL—B. Canfield, 2110—10th St., Wichita Falls, Tex.
5LM—J. Coleman, 811—17th St., Temple, Tex.
5LN—F. J. Pekar, 309 W. 20th St., Little Rock, Ark.
5LO—A. S. Foust, Clinton St., Dublin, Tex.
5LP—G. P. Fee, Cisco, Tex.
5LQ—R. T. Foster, Muldoon, Tex.
5LR—R. A. Hall, 2913 Live Oak St., Dallas, Tex.
5LS—J. C. Johnson, 522 Welsh St., Denton, Tex.
5LT—L. Bolton, 211 Foster St., Dallas, Tex.
5LU—W. B. Taylor, Box 28, Signal Mountain Tenn.
5LV—R. Hornsby, George West, Tex.
5LW—H. D. Conaway, 419 Cedar St., San Antonio, Tex.
5LX—F. W. Sakwitz, 3703 Lyons St., Houston, Tex.
5LY—G. A. Leber, Jr., 1525 Crete St., New Orleans, La.
5LZ—J. L. Young, Jr., 1502 Duncan St., Chattanooga, Tenn.
5MA—W. B. Bell, 12th & Wilson Sts., Arkadelphia, Ark.
5MB—B. F. Painter, 624 Carlisle Pl., Chattanooga, Tenn.
5MC—L. H. Cardwell, 901 E. Moore Ave., Terrell, Tex.
5MD—H. C. Walker, Canton, Tex.
5ME—H. Davis, 3922 Capitol Ave., Dallas, Tex.
5MF—O. S. Brown, 109 S. Clay St., Ennis, Tex.
5MG—W. P. Stevens, 511 W. Hopkins St., San Marcos, Tex.
5MH—C. M. Sartain, 904 Cambridge Oval, San Antonio, Tex.
5MI—D. J. Connolly, 1022 E. 17th St., Birmingham, Ala.
5MJ—R. Glass, 2605 Clarence St., Dallas, Tex.
5MK—J. C. Drouilhet, 4129 Dumaine St., New Orleans, La.
5ML—J. Bates, Oil City, La.
5MM—A. Nott, 7 Webb St., Oklahoma City, Oka.
5MN—H. E. Biddy, 545 Hicks Ave., San Antonio, Tex.
5MO—W. C. Landolins, 582—6th St., Memphis, Tenn.
5MP—H. J. Krier, Marked Tree, Ark.
5MQ—H. L. Goldstein, 1819 Octavia St., New Orleans, La.
5MR—W. Bywaters, 3705 Enclid St., Dallas, Tex.
5MS—N. Ogilvie, 118 Fredonia St., Longview, Tex.
5MT—S. T. Phelps, 2020 Rosario St., Laredo, Tex.
5MU—W. E. Berry, 511 N. 6th St., Hubbard, Tex.
5MV—C. D. Whitlock, 1205—12th St., Pawhuska, Okla.
5MW—B. C. Merrill, Avenue G, Midlothian, Tex.
5MX—C. E. Griesser, Care Griesser & Thomson, Bryan, Tex.
5MY—H. H. Walker, 219 E. Duffy St., Norman, Okla.
5MZ—A. B. Graham, 808 W. Magnolia, Ft. Worth, Tex.
5NA—M. E. Stranghan, 225 E. 14th St., Okla. City, Okla.
5NB—C. C. McNicol, 813 Estrella St., El Paso, Tex.
5NC—E. R. Mannerius, 4229 Lafayette St., Dallas, Tex.
5ND—P. G. Root, 285 S. Pauline St., Memphis, Tenn.
5NE—J. M. Gray, 1201—1st St., Brownwood, Tex.
5NF—H. H. Ditte, Masquite St., Arlington, Tex.
5NG—L. Bolton, 211 Foster St., Dallas, Tex.
5NH—P. H. Perry, Jr., Rockdale, Tex.
5NI—H. M. Saunders, 4411 W. Lee St., Greenville, Tex.
5NJ—G. Steele, 5345 St. Charles Ave., New Orleans, La.
5NK—E. L. Lester, 4110 Mt. Vernon St., Houston, Tex.
5NL—G. M. Marks, Jr., 615 S. Perry St., Montgomery, Ala.
5NM—T. M. Lurry, Southport Mill Ltd., Baton Rouge, La.
5NN—J. B. Callaghan, 2318 Jackson St., Houston, Tex.
5NO—R. McCarthy, Jr., 1222 Broadway, New Orleans, La.
5NP—S. Terranella, 1101 Preston St., Dallas, Tex.
5NQ—E. W. Whitney, 423 Pierce St., Mangum, Okla.
5NR—C. C. Baxter, 205 Grafton St., Dublin, Tex.
5NS—J. P. Smith, Granbury, Tex.
5NT—W. H. Land, 404 Trigg St., Memphis, Tenn.
5NU—J. S. Presnall, Jr., 4th St., Wills Point, Tex.
5NV—M. W. Brooks, 1150 Linden St., Memphis, Tenn.
5NW—W. Groves, 1204 Carrier St., Denton, Tex.
5NX—H. M. McFarland, Randlett, Okla.
5NY—E. A. Fain, 608 Sycamore St., Denton, Tex.
5NZ—A. L. Cowles, 1101 Vance St., Memphis, Tenn.
5OA—W. L. Hartsfield, Box 190, Oxford, Miss.
5OB—Z. L. White, Jr., 2602 Avenue N, Galveston, Tex.
5OC—C. R. Smith, 108 Rose Farm Add., Port Arthur, Tex.
5OD—Ancel L. Foster, Richardson, Tex.
5OE—H. E. Higdon, 941 Church St., Sulphur Springs, Tex.
5OF—P. D. Cooley, 199 N. Lane St., Clovis, N. M.
5OG—O. S. Kelly, 1440 W. 30th St., Oklahoma City, Okla.
5OH—A. F. McClennon, 615 W. Rotan St., Stamford, Tex.
5OI—I. D. Edwards, 804—1st St., Terrell, Tex.
5OJ—J. A. Davis, Jr., 215 E. California, Gainesville, Tex.
5OK—J. W. Brannin, 611 N.W. 8th St., Min. Wells, Tex.
5OL—W. W. Neptune, R.F.D. c, Enid, Okla.
5OM—G. M. Baker, 704 E. 21st St., Austin, Tex.
5ON—E. D. Muhlhausen, 806 Washington, Okla. City, Okla.
5OO—W. Hamilton, 1462 Arabella St., New Orleans, La.
5OP—Sapulpa Scout Coun., Lee & Oak Sts., Sapulpa, Okla.
5OQ—J. M. Geer, Oak St., Colorado, Tex.
5OR—J. J. Schiller, R.F.D. 1, Box 66, Burlington, Tex.
5OS—J. Hawkins, 907 Proctor St., Waco, Tex.
5OT—A. B. Tinsley, 1817 Allen Ave., Ft. Worth, Tex.
5OU—C. J. Blouin, 2835 St. Ann St., New Orleans, La.
5OV—N. F. Shofstall, 2806 Hamilton St., Houston, Tex.
5OW—L. J. Gallo, 2222 Lapeyrouse St., New Orleans, La.
5OX—Boy Scouts of America, Troop 1, Brownsville, Tex.
5OY—W. J. Slagle, Hotel Chisca, Memphis, Tenn.
5OZ—H. F. Smith, 215 Alabama St., Dallas, Tex.
5PA—W. T. Ploof, 902 W. Oklahoma St., Enid, Okla.
5PB—J. Greenwood, 9218 Main St., Houston, Tex.
5PC—K. B. Griffin, 418 W. Park St., Enid, Okla.
5PD—J. W. Bass, 4300 Duval St., Austin, Tex.
5PE—B. A. Hill, State Fair, Dallas, Tex.
5PF—J. H. Viset, 474 Edith Pl., Memphis, Tenn.
5PG—W. H. England, 201 S. Eighth St., Ponca City, Okla.
5PH—J. H. Lamb, 534 W. Erwin St., Tyler, Tex.
5PI—M. E. Phelps, 421 S. Williams St., El Reno, Okla.
5PJ—Mrs. J. Garrett, 1805 Galveston Ave., Ft. Worth, Tex.
5PK—L. R. Downs, 439 E. Campbell St., Edmond, Okla.
5PL—J. G. Lindsay, 124 E. Tonhawa St., Norman, Okla.
5PM—F. Baranco, St. John St., Lafayette, La.
5PN—L. R. Elliot, Colorado, Tex.
5PO—E. F. Hard, 510 Fairview Ave., Houston, Tex.
5PP—W. H. Dixon, 912 S. 9th St., Temple, Tex.
5PQ—K. L. Myers, 211 N. Pleasant St., Hillsboro, Tex.
5PR—P. H. Perry, Sr., P. O. Box 11, Rockdale, Tex.
5PS—J. B. Janes, Jr., 508 Beauregard St., San Angelo, Tex.
5PT—M. L. Donovan, Lampasas, Tex.
5PU—E. T. Bergin, Jr., 1401 Henderson, Ft. Worth, Tex.
5PV—R. W. Pratt, 535 Edith Ave., Memphis, Tenn.
5PW—M. B. O'Neil, 118 S. Clark, New Orleans, La.
5PX—R. M. Beem, 109½ W. 10th St., Little Rock, Ark.
5PY—R. H. Snowden, 233 W. Iowa Ave., Memphis, Tenn.
5PZ—B. Harrison, 1025 Keeler Ave., Bartlesville, Okla.
5QA—C. C. Clark, 3601 University Ave., Austin, Tex.
5QB—G. W. Archer, 310 Central Ave., Greenville, Miss.
5QC—J. B. Kelso, Pharr, Tex.
5QD—W. Y. Comack, 501 Hester St., Stillwater, Okla.
5QE—C. L. Miller, 1912 E. 5th St., Tulsa, Okla.
5QF—C. Rush, 855 S. Broad St., Mobile, Ala.
5QG—W. B. Hardy, 105 Howard St., Terrell, Tex.
5QH—H. Bizzell, 109½ W. 10th St., Little Rock, Ark.
5QI—O. N. Yeary, Box 986, Fort Worth, Tex.
5QJ—K. G. Seibold, 622 St. Maurice Av., New Orleans, La.
5QK—C. L. Richard, 1308 Government St., Mobile, Ala.
5QL—H. Hartman, 1343 Main St., Oklahoma City, Okla.
5QM—A. deLorenzi, Jr., 3009 Live Oak St., Dallas, Tex.
5QN—Sgt. C. V. Wilson, Haskell, Okla.
5QO—A. C. Martinez, 2314 Royal St., New Orleans, La.
5QP—J. K. Moore, 410 Reynolds St., Gadsen, Ala.
5QQ—W. M. Rice, 817 S. Boston St., Tulsa, Okla.
5QR—C. M. Bowden, Granbury, Tex.
5QS—J. E. Bridges, 2702 Rosen Ave., Ft. Worth, Tex.
5QT—T. E. Buckson, 1206 W. Main St., Waxahachie, Tex.
5QU—J. G. Owen, 3901 Elm St., Dallas, Tex.
5QV—C. A. Curry, 1410 N. Broad St., New Orleans, La.
5QW—C. L. Latham, 1009 Spring St., Waco, Tex.
5QX—C. G. Bringar, 312 W. 1st St., San Angelo, Tex.
5QY—W. L. McKee & L. Butord, 526 Border Av., Tyler, Tex.
5QZ—J. W. Lowry, Jr., 1813—33d Ave., Meridian, Miss.
5RA—R. A. Fulk, 113 W. Broadway St., Cuero, Tex.
5RB—F. F. Reynolds, 3513 Holman Court, Houston, Tex.
5RC—J. P. Buchanan, Jr., 412 Sycamore St., Brenham, Tex.
5RD—P. Wittnam, Jr., 908 Augusta St., Mobile, Ala.
5RE—S. E. Adcock, 2000 Washington Ave., Knoxville, Tenn.
5RF—H. L. DeBaun, Box 341, Ellisville, Miss.
5RG—T. R. Gentry, 4030½ Travis St., Dallas, Tex.
5RH—B. L. Alciatore, 1908 Peniston St., New Orleans, La.
5RI—R. M. Latham, Elm Mott, Tex.
5RJ—R. B. Greene, 1108 E. Hobson St., Sapulpa, Okla.
5RK—H. B. Wooten, Coldwater, Miss.
5RL—S. R. Phelan, 533 Beale St., Memphis, Tenn.
5RM—R. L. Harris, 2105 Fairmount Ave., Ft. Worth, Tex.
5RN—D. B. Pecick, 2404 University Ave., Austin, Tex.
5RO—K. E. Clapp, 2322 Wolfe St., Little Rock, Ark.
5RP—J. B. Alexander, Chairette, Tex.
5RQ—L. W. Hatry & P. E. Seckel, 2048—5th St., Port Arthur, Tex.
5RR—P. N. Jett, Harlingen, Tex.
5RS—F. K. Matejka, 1201 Alligator St., Caldwell, Tex.
5RT—I. M. Laybourn, 1406 Congress Ave., Austin, Tex.
5RU—J. N. Robertson, 2206—8th St., Tuscaloosa, Ala.
5RV—P. Griffith, 2205 Edwin St., Fort Worth, Tex.
5RW—R. Hines, 935 W. 1st St., Fort Worth, Tex.
5RX—C. F. Moltzen, Haileyville, Okla.
5RY—R. Hertzberg, 3129 DeSoto St., New Orleans, La.
5BZ—Rodgers Bros., 1106 Union Ave., Memphis, Tenn.
5SA—E. J. Teykl, 208 S. 2d St., Elgin, Tex.
5SB—C. F. Harlington, 212 E. 20th St., Little Rock, Ark.
5SC—A. K. Tatum, Box 85, State College, N. M.
5SD—T. G. Harris, 1317 S. 7th St., Waco, Tex.
5SE—F. H. Gable, 3617 Harvard St., Dallas, Tex.
5SF—H. Hendrix, 1926 Patton Ct., Fort Worth, Tex.
5SG—R. U. McKinney, 1342 N. Elwood St., Tulsa, Okla.
5SH—E. F. Phillips, 3300—8th St., Meridian, Miss.
5SI—E. R. Arledge, Pine City Elec. Co., Pine Bluff, Ark.
5SJ—F. G. Close, Pawnee, Okla.
5SK—M. R. Sanguinet, Jr., 130 Belle Pl., Ft. Worth, Tex.
5SL—O. M. Porter, W. Harrison St., Pawnee, Okla.
5SM—A. G. Daniels, 815 S. Beacon St., Dallas, Tex.
5SN—C. K. Smith, Box 7, Lonoma, Ark.
5SO—P. C. Barnes, 300 West St., Arlington, Tex.
5SP—W. L. High, Eogland, Ark.
5SQ—W. G. Taylor, Oil City, La.
5SR—T. H. Blanchard, 923 E. Main St., Enid, Okla.
5SS—J. B. Sweeney, Pearsall, Tex.
5ST—G. M. Baskerville, 619 S. Willow St., Dallas, Tex.
5SU—E. H. Cathriner, 412 Avondale St., Ft. Worth, Tex.
5SV—Glen G. Davis, 110 Throckmorton St., Gainesville, Tex.
5SW—O. R. Bryant, 313 S.W. 5th Ave., Min. Wells, Tex
5SX—J. C. Cook, Colorado, Tex.
5SY—S. Porter, 142 Granville Pl., Memphis, Tenn.
5SZ—W. L. Barrow, 918 Convention St., Baton Rouge, La.
5TA—P. T. Crosby, 329 E D St., Oklahoma City, Okla
5TB—J. E. McCormack, 1018 Peachtree St., Gadsden, Ala.
5TC—A. Wilmer, Jr., Stop 6, Dallas Pike, Fort Worth, Tex.
5TD—J. C. Mans, 505 Alice St., Jennings, La.
5TE—G. W. Curry, 113 Duke St., Yoakum, Tex.
5TF—C. C. Claxton, 1012 Spruce St., Texarkana, Tex.
5TG—J. W. Hunt, 403 Goodwin St., Victoria, Tex.
5TH—Gillian Electric Co., Jasper, Ala.
5TI—S. Brendle, Arlington, Tex.
5TJ—F. M. Floyd, 1140 W. 37th St., Okla. City, Okla.
5TK—G. E. May, 621 Nashville Ave., New Orleans, La.
5TL—H. L. Allen, 1602 Ave. H, Lubbock, Tex.
5TM—R. L. Lay, 110 Hubbard St., Yoakum, Tex.
5TN—L. E. Smith, 534 S. 2nd St., McAlester, Okla.
5TO—D. C. Mast, Nacogdoches, Tex.
5TP—A. L. Foster, Grapevine, Tex.
5TQ—C. J. Sicard, 5833 Magazine St., New Orleans, La.
5TR—E. C. Stuedle, 254 S. Flood St., Norman, Okla.
5TS—G. Chiles, 615 N. Granbury St., Cleburne, Tex.
5TT—K. L. Warringer, Box 246, Dickinson, Tex.
5TU—H. C. Carr, N. Mayo St., Commerce, Tex.
5TV—O. A. Rasmussen, McFaddin, Tex.
5TW—R. E. Harris, 708 W. Duke St., Ingo, Okla.
5TX—M. H. McBee, E. Waldron St., Corinth, Miss.
5TY—F. J. Riley, 5830 Velasco St., Dallas, Tex.
5TZ—D. Wise, 708 Cantrell St., Waxahachie, Tex.
5UA—S. A. Giuffria, 3602 St. Charles, New Orleans, La.
5UB—R. B. Greene, 475 Elm St., Norman, Okla.
5UC—D. R. Wells, Winfield, La
5UD—P. A. Bryan, 805 N. Rockwell Ave., Terrell, Tex.
5UE—B. H. Woodruff, Conway Ark.
5UF—J. S. Roberts, Jr., 1806 Farragut, Laredo, Tex.
5UG—T. Baxter, 203 Grafton St., Dublin, Tex.
5UH—F. D. Sutton, 604 Main St., Sparta, Tenn.
5UI—C. K. Rice, 100 S. Arno St., Albuquerque, N. M.
5UJ—W. A. and J. S. Swearingen, Lockhart, Tex.
5UK—C. A. Freitag, 8520 Forshey St., New Orleans, La.
5UL—J. N. Fitzhugh, 802 Erie Ave., San Antonio, Tex.
5UM—D. J. Canale, 549 Belvidere Blvd., Memphis, Tenn.
5UN—R. Parker, 1639 Collins Ave., Wichita Falls, Tex.
5UO—J. R. Martin, 1517 12th St., Wichita Falls, Tex.
5UP—G. C. Coleman, Irondale, Ala.
5UQ—B. Evans, 324 W. French St., San Antonio, Tex.
5UR—M. L. Finney, 310 Castro St., Norman, Okla.
5US—J. F. Roach, 204 Washington St., Corinth, Miss.
5UT—H. E. Barnett, 959 Charleston St., Mobile, Ala.
5UU—C. P. Smith, Brooks Field, San Antonio, Tex.
5UV—J. E. Ross, 1620 E. 5th Ave., Knoxville, Tenn.
5UW—W. Stewart, Blanket, Tex.
5UX—C. A. Abernathy, Quitman, Tex.
5UY—E. B. Prysinger, 619 N. Anglin St., Cleburne, Tex.
5UZ—D. Percy, Thibodaux, La.
5VA—T. F. Smith, Jr., 5015 Gaston St., Dallas, Tex.
5VB—J. C. Perry, 1142 N. 3rd St., Abilene, Tex.
5VC—G. H. Jones, Gadsden, Ala.
5VD—A. T. Reville, 207 Fillmore St., Amarillo, Tex.
5VE—J. C. Randall, 2714 11th St., Meridian, Miss.
5VF—M. W. Hardy, 4226 Boseland Ave., Dallas, Tex.
5VG—A. H. Henderson, Alamogordo, N. M.
5VH—C. H. Fletcher, 1500 High St., Little Rock, Ark.

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5VI—G. A. deCortin, 10 Marlborough, New Orleans, La.
5VJ—F. Smith, 327 Sayre St., Montgomery, Ala.
5VK—R. A. Glover, 1425 Brady Ave., Brownwood, Tex.
5VL—J. V. Fitzhugh, 802 Erie St., San Antonio, Tex.
5VM—Alpha Sigma Delta, 700 S. Flood St., Norman, Okla.
5VN—A. G. Elliott, 3rd, 4324 Highland Dr., Dallas, Tex.
5VO—W. M. Jackson, 313 University, San Antonio, Tex.
5VP—J. McArthur, Moss Point, Miss.
5VQ—G. D. Rayburn, Box 444, R.F.D. 2, San Antonio, Tex.
5VR—G. Steele, 5345 St. Charles Ave., New Orleans, La.
5VS—R. D. Mason, 1005 A St., Lawton, Okla.
5VT—B. E. Reilly, 860 Pierce St., Memphis, Tenn.
5VU—J. Bond, 405 Johnson St., Terrell, Tex.
5VV—S. K. Sawyer, 200 Grady St., Birmingham, Ala.
5VW—H. P. Hagemeyer, 919 37th Ave., Meridian, Miss.
5VX—W. M. Bruce, Jr., Mor. Cot Oil Co., Morrilton, Ark.
5VY—H. C. Sherrod, 1627 Ave. I, Galveston, Tex.
5VZ—M. Peveler, N. Travis St., Granbury, Tex.
5WA—W. Allen, 3208 Drexel Dr., Dallas, Texas.
5WB—J. L. McGuire, 1620 Quintard Ave., Anniston, Ala.
5WC—L. P. Stark, 1504 Alford St., Brownwood Tex.
5WD—L. W. Vickery, 304 W. Lincoln St., Blackwell, Okla.
5WE—R. T. Cole, 506 Caldwell St., Conway, Ark.
5WF—R. M. Pemberton, Box 24, R F D 1, Scott, Ark.
5WG—W. E. Owen, 1904 Albert St., Alexandria, La.
5WH—A. A. Schamber, 1608 25th Ave., Meridian, Miss.
5WI—L. Johnson, 1312 Bishop St., Little Rock, Ark.
5WJ—J. A. Bowling, 6039 Patton St., New Orleans, La.
5WK—T. E. Story, Forrest City, Ark.
5WL—E. C. Johnson, Memphis, Tex.
5WM—C. J. Scott, 301 Park Ave., Little Rock, Ark.
5WN—C. J. Testa, Krebs, Okla.
5WO—S. E. Adcock, 2000 Washington Ave., Knoxvile, Tenn.
5WP—E. E. McCall, 1306 Woodstock Ave., Anniston, Ala.
5WQ—W. E. Harris, Conroe, Tex.
5WR—Brownwood High School, Brownwood, Tex.
5WS—J. Rhodes, 216 59th St., Birmingham, Ala.
5WT—L. Cox, Ferris, Tex.
5WU—J. E. Hoff, Comanche, Tex.
5WV—B. L. Dye, 419 S. Beech St., Plainview, Tex.
5WW—G. Simmons, Jr., 515 Clifton St., Conway, Ark.
5WX—J. B. Lewis, 923 Cheyenne St., Tulsa, Okla.
5WY—H. O. Claycomb, 418 Caddo St., Shreveport, La.
5WZ—V. W. Bouldin, 702 S. W. 4th, Mineral Wells, Tex.

Special Radio Stations of the Fifth District

5XA—Alabama Polytechnic Institute, Auburn, Ala.
5XAA—Hurlburt Still Electric Co. Houston, Tex.
5XAB—Dr. L. M. Hunter and G. L. Carrington, Little Rock, Ark.
5XABA—P. B. Brooks, 400 S. McDonough, Mont., Ala.
5XAC—Unassigned
5XACA—Southwest General Elec Co., Houston, Tex.
5XAD—G. Gray, Orange, Tex.
5XADA—J. O. Newberry, 1322 Bennet Ave., Dallas, Tex.
5XAE—Mobile Radio Co., 165 Chatham St., Mobile, Ala.
5XAEA—Radio Phone Sales Co., Enid, Okla.
5XAF—R. B. Downing, Jr., 400 E. 13th, Okla. City, Okla.
5XAG—Unassigned
5XAH—Unassigned
5XAI—Arkansas Light & Power Co., Pine Bluff, Ark.
5XAJ—C. B. and C. C. Baxter, 304 Grafton, Dublin, Tex.
5XAK—Jackson's Radio Eng. Labs., 906 Franklin, Waco, Tex.
5XAL—Unassigned
5XAM—H. L. Sherwood, 1518 E. Cen., Albuquerque, N. M.
5XAN—Unassigned
5XAO—Unassigned
5XAP—W. E. Branch, 400 W. 7th, Fort Worth, Tex.
5XAQ—E. G. Conroy, 117 E. Mistletoe, San Antonio, Tex.
5XB—Texas A. & M. College, College Station, Tex.
5XBA—Unassigned
5XBB—Southwest General Elec. Co., Houston, Tex.
5XBC—J. O. Newbury, 1322 Bennett Ave., Dallas, Tex.
5XBD—Radio Phone Sales Co., 211 News Bldg., Enid, Okla.
5XBF—H. H. Friend, Box 556, Sand Springs, Okla.
5XBG—Baylor University, Waco, Tex.
5XC—Unassigned
5XD—New Mexico A. & M. College, State College, N. M.
5XE—Tropical Radio Co., Burwood, La.
5XF—Unassigned
5XG—National Radio Mfg. Co., Oklahoma City, Okla.
5XH—Tropical Radio Co., New Orleans, La.
5XI—Unassigned
5XJ—Unassigned
5XK—Unassigned
5XL—Unassigned
5XM—Unassigned
5XN—Unassigned
5XO—Unassigned
5XP—Unassigned
5XQ—Unassigned
5XR—Unassigned
5XS—Unassigned
5XT—E. C. Hull and H. S. Richards, Box 75, Okla. City,
5XU—University of Texas, Austin, Tex.
5XV—F. W. Hatry and P. E. Seckel, Port Arthur, Tex.
5XW—Unassigned
5XX—T. L. Gray, 123 W. 7th St., Austin, Tex.
5XY—Alamo Radio Electric Co., San Antonio, Tex.
5XZ—St. Charles College, Grand Coteau, La.
5YA—Patti Wilder High School, Victoria, Tex.
5YB—Unassigned
5YC—Nola Radio School, New Orleans, La.
5YD—Mississippi A. & M. College, Agricultural Col., Miss.
5YE—University of Mississippi, University P. O., Miss.
5YF—Unassigned
5YG—Unassigned
5YH—Unassigned
5YI—Rice Institute, Houston, Tex.
5YJ—Unassigned
5YK—E. A. Salm, New Braunfels High School, New Braunfels, Tex.
5YL—Unassigned
5YM—University of Arkansas, Fayetteville, Ark.
5YN—Simmons College, Abilene, Tex.
5YO—Unassigned
5YP—Unassigned
5YQ—University of New Mexico, Albuquerque, N. M.
5YR—Loyola University, New Orleans, La.
5YS—O. R. Garrett, B. Draughon Col., Ft. Worth, Tex.
5YT—E. W. Kee, San Marcos H. School, San Marcos, Tex.
5YU—Tulane University, New Orleans, La.
5YV—Knights of Columbus School, Fort Worth, Tex.
5YW—Louisiana State University, Baton Rouge, La.
5YX—Physics Dept., Baylor University, Waco, Tex.
5YY—Unassigned
5YZ—Unassigned
5ZA—Louis Falconi, Box 421, Roswell, N. M.
5ZAA—Unassigned
5ZAB—Unassigned
5ZABA—J. C. Flippin, 534 Pontotoc St., Memphis, Tenn.
5ZAC—Unassigned
5ZACA—Mine & Smelter Supply Co., El Paso, Tex.
5ZAD—A. Leroy Hill, 811 N. Oregon St., El Paso, Tex.
5ZADA—L. L. Ziegler, 207 Huff Ave., Wichita Falls, Tex.
5ZAE—L. D. Wall, 216 Pereida St., San Antonio, Tex.
5ZAEA—G. L. Barnett, 165 Chatham St., Mobile Ala.
5ZAF—W. P. Clarke, 728 N. 13th St., Waco, Tex.
5ZAFA—Interstate Elec. Co., New Orleans, La.
5ZAG—G. E. Endress, 711 W. 23rd St., Austin, Tex.
5ZAH—Unassigned
5ZAI—Unassigned
5ZAJ—A. H. Holt, Kountze, Tex.
5ZAK—R. C. Walkeen, 102 Diaz St., San Antonio, Tex.
5ZAL—Unassigned
5ZAM—Unassigned
5ZAN—Unassigned
5ZAO—Unassigned
5ZAP—V. Jensen, 137 S. St. Patrick, New Orleans, La.
5ZAQ—Dallas Police & Fire Dtp., Dallas, Tex.
5ZAR—Elite Electric Shop, El Paso, Tex.
5ZAS—J. C. Bell, 1128 11th St. N., Birmingham, Ala.
5ZAT—L. G. Dill, 234 S. Broadway, Oklahoma City, Okla.
5ZAU—Unassigned
5ZAV—L. Moffett, Jr., 312½ Broadway, Okla. City, Okla.
5ZAW—Unassigned
5ZAX—T. E. Williams, 139 Cypress St., Abilene, Tex.
5ZAY—Unassigned
5ZAZ—L. W. Stinson, 354 N. West St., Fayetteville, Ark.
ZB—W. L. Wellford, Jr., 205 S. Belvidere, Memphis, Tenn.
5ZBA—J. C. Flippin, 534 Pontotoc St., Memphis, Tenn.
5ZBB—Unassigned
5ZBC—Unassigned
5ZBD—Unassigned
5ZC—F. M. Corlett, 2515 Catherine St., Dallas, Tex.
5ZD—F. B. Beuhler, 1806 Elliott, Alexandria, La.
5ZE—B. J. Still, Ave. A., bet. 2nd and 3rd, Brookline Add., Houston, Tex.
5ZF—Unassigned
5ZG—H. C. Sherrod, Jr., 1627 Ave. I, Galveston, Tex.
5ZH—J. L. Martin, 605 E. 4th St., Amarillo, Tex.
5ZI—L. J. N. du Treil, 480 Audubon, New Orleans, La.
5ZJ—R. W. Goddard, Mesilla Park, N. M.
5ZK—P. E. Greenlaw, Franklinton, La.
5ZL—J. M. Clayton, 1301 Welch St., Little Rock, Ark.
5ZM—C. E. Whartenby, 211 News Bldg., Enid, Okla.
5ZN—E. Nettleton, Quarry St., Eagle Pass, Tex.
5ZO—C. W. Vick, 1103 McGowen Ave., Houston, Tex.
5ZP—R. E. Smith, College Station, Tex.
5ZQ—Unassigned
5ZR—H. J. Bell, 1501 Main St., N. Little Rock, Ark.
5ZS—W. E. Antony, 1513 Laurel St., Shreveport, La.
5ZT—Unassigned
5ZU—W. H. Tilley, 4112 Ave. F., Austin, Tex.
5ZV—H. E. Worthington, 4909 Park Dr., Houston, Tex.
5ZW—D. H. Graham, Elm Grove Plantation, Juliff, Tex.
5ZX—A. P. Daniel, 2504 Bagby St., Houston, Tex.
5ZY—Unassigned
5ZZ—Unassigned

Amateur Radio Stations of the Sixth District

Headquarters, Customhouse, San Francisco, California. The sixth district comprises the states of California, Nevada, Utah, Arizona, and the territory of Hawaii.

6AA—H. R. Shaw, Selma, Cal.
6AAB—F. W. Thompson, 348 W. Milford St., Glendale, Cal.
6AAC—E. F. Hockenbeamer, 721 Arlington, Berkeley, Cal.
6AAD—H. J. Balden, Fillmore, Cal.
6AAE—R. Sellman, 523 Connecticut, San Francisco, Cal.
6AAF—L. B. Hinckley, Fillmore, Cal.
6AAG—C. A. Coffman, R.D. 4, Anaheim, Cal.
6AAH—C. Baldwin & M. Gardner, R.F.D. 6, Phoenix, Ariz.
6AAI—A. Ham, 899 S. 10th St., San Jose, Cal.
6AAJ—N. C. DeWolfe, 206 Ellsworth Ave., San Mateo, Cal.
6AAK—A. B. Lopez, 720 Santa Barbara, S'ta Barbara, Cal.
6AAL—H. Fleur, 1540 Palou Ave., San Francisco, Cal.
6AAM—E. Prochaska, 1635 W. Wash. St., Phoenix, Ariz.
6AAN—H. W. Taul, Calwa City, Cal.
6AAO—W. L. Martindale, 1229 W. 24th St., Los Ang., Cal.
6AAP—C. E. Peterson, 520 Santa Inez Av., San Mateo, Cal.
6AAQ—C. S. Yeutter, 107 E. Buckthorn St., Inglewood, Cal.
6AAR—H. E. Bolts, 845 Plumis St., Reno, Nev.
6AAS—W. L. Burnett, 783—26th St., San Diego, Cal.
6AAT—I. H. Brush, 546 B St., Santa Rosa, Cal.
6AAU—J. D. Byrne, 28 Union St., Santa Cruz, Cal.
6AAV—C. R. Evans, 501 Lincoln St., Roseville, Cal.
6AAW—A. A. Wayne, 4010 California St., San Fran., Cal.
6AAX—K. Burzell, 2615 Barry Ave., Sawtelle, Cal.
6AAY—E. Devereaux, 605 Sumner St., Bakersfield, Cal.
6AAZ—E. A. Banks, 1648 Neale St., San Diego, Cal.
6AB—W. J. Henry, 554—11th Ave., San Francisco, Cal.
6ABA—R. J. Portis, 2500 Elm Ave., Long Beach, Cal.
6ABB—W. O. Lukeman, 114 W. Chapel, Santa Maria, Cal.
6ABC—N. R. Wimer, 1420 Lemoyne St., Los Ang., Cal.
6ABD—H. H. Painter, 587—62d St., Oakland, Cal.
6ABE—W. R. Dodson, 1956 Park Ave., Riverside, Cal.
6ABF—C. H. Lewis, 829 N. Occidental Blvd., Los Ang., Cal. (Portable)
6ABG—J. F. Hopkinson, 342 W. 22d St., Los Angeles, Cal.
6ABH—G. K. Spencer, 1324 Weber St., Alameda, Cal.
6ABI—W. Brantley, 1115 Humboldt St., Bakersfield, Cal.
6ABJ—E. H. Sharpe, Martinez, Cal.
6ABK—G. C. Fensky, 689—62d St., Oakland, Cal.
6ABL—K. Fields, 1533 Englewood Ave., Fresno, Cal.
6ABM—F. S. March, 98 Wilkes Circle, Santa Cruz, Cal.
6ABN—R. C. Saunders, 556 S. Harvard Bd., Los Ang., Cal.
6ABO—R. L. Amsbury, 317 N. Friends Ave., Whittier, Cal.
6ABP—Unassigned
6ABQ—C. Schneider, 76 Caselli Ave., San Francisco, Cal.
6ABR—S. Inselman, 57 Douglas St., San Francisco, Cal.
6ABS—Whittier Union High School, Whittier, Cal.
6ABT—R. Osborn, 412 E. Main St., Visalia, Cal.
6ABU—H. A. Glidden, 2337 Telegraph Ave., Berkeley, Cal.
6ABV—E. J. Conroy, 6745 Beck St., Oakland, Cal.
6ABW—W. B. Donnenwirth, 421 Pleasant, Roseville, Cal.
6ABX—W. S. Huston, 33—3d St., Woodland, Cal.
6ABY—C. J. Bertrand, 554—6th Ave., San Francisco, Cal.
6ABZ—C. C. Pearson, 119 W. Center St., Covina, Cal.
6AC—J. W. Little, 879—47th Ave., San Francisco, Cal.
6ACA—S. Suarez, 3520 Douglas St., Oakland, Cal.
6ACB—M. P. Gilliland, 2117 Foothill St., S. Pasadena, Cal.
6ACC—S. J. Peters, 1760 Bush St., San Francisco, Cal.
6ACD—W. K. Holbrook, Fillmore, Utah
6ACE—G. M. Shriver, Lakeport, Cal.
6ACF—J. H. Eckhardt, 3402 Illinois Ave., Fresno, Cal.
6ACG—L. Sands, 148 E. 2d Ave., Mesa, Ariz.
6ACH—C. E. Thompson, 1876—15th St., San Fran., Cal.
6ACI—T. H. Wells, Upland, Cal.
8ACJ—P. R. Weinstock, El Cajon, Cal.
6ACK—S. C. Marcuse, Jr., 2430 Clay St., San Fran., Cal.
6ACL—W. L. Vermilyea, 636 E. 9th St., Tucson, Ariz.
6ACM—A. W. Newman & L. W. Newman, 2130 Emerson St., Palo Alto, Cal.
6ACN—R. White, P. O. Box 12, Yuma, Ariz.
6ACO—H. C. Robohm, 2069 O'Farrell St., San Fran., Cal.
6ACP—C. E. LaBree, 2212—18th St., Sacramento, Cal.
6ACQ—E. L. Altenbach, 416 S. 6th St., San Jose, Cal.
6ACR—T. A. Work, Jr., 181 Central Ave., Pacific Gr., Cal.
6ACS—H. F. Thornton, B St., Arcata, Cal.
6ACT—C. A. Thunen, 5766 Broadway St., Oakland, Cal.
6ACU—D. C. Shannon, Turlock, Cal.
6ACV—H. P. Winton, Calwa City, Cal.
6ACW—Yukia Ito, Moneta, Cal.
6ACX—H. W. Lee, 3455 Davis St., Oakland, Cal.
6ACY—A. E. Ekdale, 115 N. Chester Ave., Pasadena, Cal.
6ACZ—D. DeNeuf, 811 B St., Petaluma, Cal.
6AD—M. L. Webb, 309 Spencer St., Napa, Cal.
6ADA—M. Madero, 436—10th St., San Diego, Cal.
6ADB—S. W. Wejmar, R.F.D. 4, Box 15, Turlock, Cal.
6ADC—A. B. Curtis, 2060 Marengo St., Los Angeles, Cal.
6ADD—A. A. Merrill, 214 Highland Ave., Piedmont, Cal.
6ADE—Unassigned
6ADF—R. D. McCurdy, 210 Fannen Ave., Sebastopol, Cal.
6ADG—F. N. Noel, 301 West Ave., 43, Los Angeles, Cal.
6ADH—H. D. Wilson, 814 E. Garfield St., Phoenix, Ariz.
6ADI—J. W. Summers, 1061—62d St., Oakland, Cal.
6ADJ—R. Everett, 980 S. Manhattan Pl., Los Angeles, Cal.
6ADK—P. Benneyan, 637 Poplar, Fresno, Cal.
6ADL—J. S. Campbell, 873 N. Chester Ave., Pasadena, Cal.
6ADM—F. W. Barnes, 438 Carrillo St., Santa Rosa, Cal.
6ADN—W. N. Van Zile, 826 N. Chester Ave., Pasadena, Cal.
6ADO—M. J. Brown, Grand Hotel, Wailuku, T. H.
6ADP—C. E. Richman, 219 N. Richman, Fullerton, Cal.
6ADQ—W. L. Kline, 529 California St., Los Angeles, Cal.
6ADR—R. N. Ball, 1835 Edgemont St., San Diego, Cal.
6ADS—L. E. Sullenger, 1920 Tyler St., Fresno, Cal.
6ADT—N. Evans, R.F.D. 3, El Modena, Cal.
6ADU—P. Kroeckel, R.F.D. 1, Escondido, Cal.
6ADV—J. Bernstein, 1123 San Benito, Hollister, Cal.
6ADW—A. Macdonald, 3221 Larrisa Dr., Los Ang., Cal.
6ADY—G. B. Vander Water, 3645—29th St., San Diego, Cal.
6ADX—Unassigned
6ADZ—F. T. MacGillivray, 334 Pine St., Fresno, Cal.
6AE—F. E. Terman & J. C. Franklin, Stanford Univ., Cal.
6AEA—G. P. Bell, 5205 Cole St., Oakland, Cal.
6AEB—R. McC. Schuler, 3155 Alta Ave., Fresno, Cal.
6AEC—O. Bernhard, 26th Av. & Sloat Bd., San Fran., Cal.
6AED—H. R. Bramel, 1280 E. 2 South, Salt Lake City, Utah
6AEE—W. W. Grundel, 1911 Eddy St., San Francisco, Cal.
6AEF—P. E. Parker, 420 E. Chapman Av., Fullerton, Cal.
6AEG—W. B. Wells, 2111 Union St., San Francisco, Cal.
6AEH—E. Albright, 2331 University St., San Diego, Cal.
6AEI—H. H. Blackman, Winton, Cal.
6AEJ—H. D. Lane, 53 Cambridge Way, Piedmont, Cal.
6AEK—C. Harris, 454—17th Ave., San Francisco, Cal.
6AEL—T. A. Cutting, Campbell, Cal.
6AEM—M. W. Frembling, 902 Echo Ave., Fresno, Cal.
6AEN—C. A. Iverson, Jr., 1539—10th Av., San Fran., Cal.
6AEO—A. M. Kennedy, 1810 Sarah St., Fresno, Cal.
6AEP—S. Lassen, 1472—85th Ave., Oakland, Cal.
6AEQ—San Fran. Poly. H. S., Fred'k St., San Fran., Cal.
6AER—R. A. Walker, 2749 Dohr St., Berkeley, Cal.
6AES—M. L. Hofmann, 432 Walsworth Ave., Oakland, Cal.
6AET—F. D. Piazzi, 518 Henley St., Santa Rosa, Cal.
6AEU—S. W. Younger, 623 Ansel Ave., Burlingame, Cal.
6AEV—R. W. Hart, 30 Grant Ave., Oakland, Cal.
6AEW—S. Armfield, 412 Lincoln Ave., Woodland, Cal.
6AEX—F. McN. Crowl, 1813 Parker St., Berkeley, Cal.
6AEY—V. H. Taylor, Route K, Box 97, Fresno, Cal.
6AEZ—G. J. Quillinan, 2264 Lincoln Ave., Ogden, Utah
6AF—F. Schubert, 209 Nevada St., San Francisco, Cal.
6AFA—R. E. Wall, 1211 E. 23d St., Oakland, Cal.
6AFB—R. T. Raphael, 33—5th Ave., San Francisco, Cal.
6AFC—W. B. Thompson, 2027 L St., San Diego, Cal.
6AFD—R. W. Baker, 1393 S. 9th East, Salt Lake City, Utah
6AFE—G. R. Bennett, P. O. Box 50, Livingston, Cal.
6AFF—Ah Sun Chung, Kaaluwela Lane, Honolulu, Hawaii
6AFG—J. H. Deeney, Jr., 836 N. Elcentro, Los Ang., Cal.
6AFH—H. R. P. Blain, Route 1, Box 462, Monrovia, Cal.
6AFI—R. W. Kerrigan, 61 Whitney St., San Francisco, Cal.
6AFJ—N. E. Travis, 1047 S. Serrano Ave., Los Ang., Cal.
6AFK—E. Newton, 1611 Benton St., Santa Clara, Cal.
6AFL—O. D. Packard, 1428 Olive St., Paso Robles, Cal.
6AFM—R. W. Davis, 1827 Vine St., Berkeley, Cal.
6AFN—C. E. Warriner, 2462 Kuhio Ave., Honolulu, Hawaii
6AFO—B. Ellis, Jr., 271—21st Ave., San Francisco, Cal.
6AFP—A. Kelly, 4229 St. James Pl., San Diego, Cal.
6AFQ—D. Crane, Turlock, Cal.
6AFR—A. Benson, R.F.D. Box 3A, N. Yolo, Willows, Cal.
6AFS—E. D. Freeman, 1333 Edgemont Av., Hollywood, Cal.
6AFT—C. H. Reily, Jr., 7526½ Figueria St., Los Ang., Cal.
6AFU—L. E. Underwood, Whipple Barracks, Prescott, Ariz.
6AFV—R. W. Burns, 132 S. Louise St., Glendale, Cal.
6AFW—H. S. Ebeling, 454 Delmas Ave., San Jose, Cal.
6AFX—R. T. Mortimer, 334—45th St., Oakland, Cal.
6AFY—J. B. Fewkes, Jr., 301 Redwood Ave., Lynwood, Cal.
6AFZ—W. S. Upson, 2622—25th Ave., Oakland, Cal.
6AG—Dr. A. B. Wessels & Mrs. A. B., 4015 Hillcrest Drive, San Diego, Cal.
6AGA—R. H. Seaman, 2245 N. 30th St., Los Angeles, Cal.
6AGB—G. E. Elliott, P. O. Box 627, Atwater, Cal.
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6RV—H. R. Bradford, 447 S. 12th East St., Salt Lake City
6RW—H. Wilbert, 53 Eastwood Dr., San Francisco, Cal.
6RX—C. M. Morenus, R.F.D. 1, Box 451, Gardena, Cal.
6RZ—G. Marden, 340 N. Chicago St., Los Angeles, Cal.
6SA—F. P. Stone, 1513 "T" St., Arcata, Cal.
6SC—E. M. Sargent, 1200 Franklin St., Oakland, Cal.
6SD—L. Eaheart, 2615 Merced St., Los Angeles, Cal.
6SE—C. Williams, 1934 E. Portland St., Phoenix, Ariz.
6SF—C. A. Schneider, 836 E. Weber St., Stockton, Cal.
6SG—R. M. Dinsdale, R. 1, Box 50, Woodland, Cal.
6SH—A. H. Myhre, 7 Judd St., Honolulu, T. H.
6SI—L. F. Rogers, 644—4th St., Richmond, Cal.
6SJ—S. E. Saville, 1387 Stratford Ave., Salt Lake City
6SK—L. L. Aufdenkamp, Laguna Beach, Cal.
6SL—A. Pauli, 755 Laguna St., San Francisco, Cal.
6SM—S. A. Mitchell, 638 Santa Rosa Ave., Oakland, Cal.
6SN—M. K. Weller, 618 W. 4th St., Los Angeles, Cal.
6SQ—C. Lutgen, 2520 Webster St., Berkeley, Cal.
6SR—Oakdale Union High School, Oakdale, Cal.
6SS—H. Christenson, 707 Palma Ave., Burbank, Cal.
6ST—F. Flowers, 214 McHenry St., Modesto, Cal.
6SU—H. R. Fitch, R. 6, Box 126, Stockton, Cal.
6SV—C. A. Adams, Stanislaus, Cal.
6SW—C. S. Heizer, 3412 Kansas St., Los Angeles, Cal.
6SX—L. Nickels, 1318 E. 12th St., Oakland, Cal.
6SY—D. W. P. Larnach, 1946 Makiki St., Honolulu, T. H.
6SZ—E. E. Young, 1128 Clarendon Crescent, Oakland, Cal.
6TA—40th Signal Co. N.G.C., 14th & Mission, San Fran.
6TB—W. Berger, 755 Lillian Way, Hollywood, Cal.
6TC—W. T. Rathbun, 330—4th St., Colusa, Cal.
6TD—M. Martin, 1541 Oxford St., Berkeley, Cal.
6TE—R. E. Rhoades, 2812 Piedmont Ave., Berkeley, Cal.
6TF—L. E. Furrow, 322 W. 54th St., Los Angeles, Cal.
6TH—J. M. Glessner, 2637 Piedmont Ave., Berkeley, Cal.
6TI—H. Greer, 414 Fairmount Ave., Oakland, Cal.
6TJ—R. B. Ayres, 292 Jane Ave., Oakland, Cal.
6TK—B. S. Greensfelder, 106—3d St., San Francisco, Cal.
6TL—D. A. Maresch, 122 N. Hope St., Los Angeles, Cal.
6TM—W. K. Mayo, 1121 Clayton St., San Francisco, Cal.
6TN—F. Beaulieu, 4300 Melbourne Ave., Los Angeles
6TO—W. F. Davis, 3137 Townsend St., Fresno, Cal.
6TP—W. D. Lacabanne, 54 Carl St., San Francisco, Cal.
6TQ—K. A. Cantin, 1593 Pilkoi St., Honolulu, Hawaii.
6TR—C. H. Cannon, 515—4th Ave., San Francisco, Cal.
6TS—E. Willis, 921 Penna. Ave., Santa Monica, Cal.
6TT—Asso. Radio Amateurs, 2944 Avalon Ave., Berkeley
6TU—B. R. Cole, 16 Ellenwood Ave., Los Gatos, Cal.
6TV—C. C. Whysall, Box 358, Los Gatos, Cal.
6TW—W. W. Dann, 1258 Cypress Ave., San Diego, Cal.
6TX—R. M. Thacker, R. 1, Box 37, Baldwin Park, Cal.
6TY—W. A. Schonfeldt, 400 Clark St., Sherman, Cal.
6TZ—E. A. Greenquist, 466 W. San Carlos St., San Jose
6UA—T. R. Runnells, 201 E. 56th, Maywood Sta., Los An.
6UB—R. B. Burgess, 8125 Geary St., San Francisco, Cal.
6UC—L. C. Beekman, 522 E. 11th St., Hanford, Cal.
6UH—L. F. Merrill, 3126 Elm St., Oakland, Cal.
6UJ—G. M. Fox, 328 L St., Salt Lake City, Utah
6UK—E. W. Lehmann, 3127 Maine St., Oakland, Cal.
6UL—Long Beach Boy Scouts, 215 Locust, Long Beach
6UM—W. H. Yeaw, R. 4, Box 1025, Sacramento, Cal.
6UN—F. A. E. Arnberger, 1354 Grove St., Alameda, Cal.
6UO—C. B. Newcombe, 24 S. Main St., Yerington, Nev.
6UP—A. E. Harris, 156 E. Santa Barbara, Los Angeles
6UQ—C. Thompson, Jr., 1876—15th St., San Francisco
6US—R. E. Smith, 222 Buena Vista Ave., Redlands, Cal.
6UT—P. Snyder, 1104 W. 38th St., Los Angeles, Cal.
6UW—L. Farwell, Broadway St., Los Gatos, Cal.
6UX—J. M. Graham, Box 1187, Taft, Cal.
6UY—H. L. Wirth, 3757 Dalton Ave., Los Angeles, Cal.
6VA—L. Cornwell & J. Cope, 1138 Michigan St., Salt Lake City, Utah
6VB—W. W. Case, Forestville, Cal.
6VD—H. B. Drake, 123 Cherry St., Box 387, Anaheim, Cal.
6VE—E. R. Kluss, 468 Moss Ave., Oakland, Cal.
6VF—L. Giannini, 561 Brussels St., San Francisco, Cal.
6VG—L. S. Butler, 2926 "J" St., San Diego, Cal.
6VH—H. J. McCoy, 2401 Fulton St., Berkeley, Cal.
6VI—E. H. Stanfield, N. Cambridge St., Orange, Cal.
6VK—D. L. O'Brien, Jr., 643 Poirier St., Oakland, Cal.
6VM—C. P. Parsons, 633 Middlefield Rd., Palo Alto, Cal.
6VO—H. H. Crawford, 800 S. Central Ave., Glendale, Cal.
6VP—C. V. Woodward, 1702 E. Portland Phoenix, Ariz.
6VQ—L. A. McMahon, 911 S St., Sacramento, Cal.
6VR—H. B. Ogle, Tucson, Ariz.
6VS—J. C. Chez, Jr., 818—24th St., Ogden, Utah
6VT—W. C. Thompson, 102 Lincoln Ave., Los Cerritos, Long Beach, Cal.
6VV—L. W. Kilgore, 1482 W. 45th St., Los Angeles, Cal.
6VX—A. A. Hunt, 75 Fairview Plaza, Los Gatos, Cal.
6VZ—C. A. Burrows, 103 W. Pleasant, Santa Paula, Cal.
6WA—J. F. Blackburn, 1719 N. Gardner St., Los Angeles
6WB—G. W. Barnes, 725 W. 4th St., Reno, Nev.
6WC—O. S. Stone, 1831 Balboa St., San Francisco, Cal.
6WD—A. H. Hart, 3012 Modesto Ave., Oakland, Cal.
6WE—D. C. Goshey, 1251 Vine St., Hollywood, Cal.
6WH—R. C. Ward, 170 Arlington Dr., Pasadena, Cal.
6WI—G. Albee, 1241 W. 40th Pl., Los Angeles, Cal.
6WJ—R. J. Miller, Glen Una Dr., Los Gatos, Cal.
6WL—R. D. Baker, 447 Haight St., San Francisco, Cal.
6WM—F. Ellert, 393 N. 6th St., San Jose, Cal.
6WN—B. B. Alexander, 4340 Cleveland Ave., San Diego
6WO—A. G. S. Leech, 987—54th St., Oakland, Cal.
6WP—H. J. Irthum, 1090—55th St., Oakland, Cal.
6WQ—G. T. Murray, 1435 Hyde St., San Francisco, Cal.
6WR—A. H. Khazoyan, 484 Los Robles Ave., Pasadena
6WS—J. B. Hicks, 212 First St., Healdsburg, Cal.
6WT—T. L. Wyatt, 1066 Molino Ave., Long Beach, Cal.
6WU—C. E. Richardson, Jr., 406 W. 28th St., Los Angeles
6WV—A. W. Lembke, 818 Montrose, South Pasadena, Cal.
6WZ—R. W. Otto, 1906 Chestnut St., Berkeley, Cal.

Special Radio Stations of the Sixth District

6XA—H. H. Hyder, 1304 Versailles St., Alameda, Cal.
6XAA—Pacific Tel. & Tel. Co., San Francisco, Cal.
6XAB—C. B. Kennedy Co., San Francisco, Cal.
6XAC—C. B. Kennedy Co., Los Gatos, Cal.
6XAD—L. Mott, Avalon, Catalina Island, Cal.
6XAE—Radio Tel. Shop, 175 Stewart St., San Francisco,
6XAF—Pacific Tel. & Tel. Co., 469 Cheny, Oakland, Cal.
6XAG—Radio Shop, Sunnyvale Ave., Sunnyvale, Cal.
6XAH—A. Wade, Jr., 465 N. Lake St., Los Angeles, Cal.
6XAJ—P. D. Allen, Oakland, Cal.
6XAK—L. J. Meyberg Co., Los Angeles, Cal.
6XAL—A. H. Cohn, 1440—29th Ave., Oakland, Cal.
6XAM—S. W. Warner, 2201 Telegraph Ave., Oakland, Cal.
6XAP—The Electric Shop, Honolulu, Hawaii
6XAQ—L. B. Benjamin, 140 S. Oxford, Los Angeles, Cal.
6XAR—Great Western Radio Corp., San Francisco, Cal.
6XAS—Brooke Sawyer, 1209 S. Crenshaw Los Angeles, Cal.
6XAU—Wilson McGuire Co., 458 S Spring, Los Angeles
6XAY—C. R. Tinsley, 3017 Wheeler St., Berkeley, Cal.
6XB—J. D. McKee, 464 California St., San Francisco, Cal.
6XBE—A. Johnson, P. O. Box 772, Salt Lake City, Utah
6XC—Atlantic-Pacific Radio Sup. Co., San Francisco, Cal.
6XD—Western Radio Elec. Co., Los Angeles, Cal.
6XE—C. D. Herrold, San Jose, Cal.
6XF—Herrold Laboratories, San Jose, Cal.
6XG—L. J. Meyberg Co., San Francisco, Cal.
6XH—H. Hoover, Jr., Stanford University, Cal.
6XI—S. G. McMeen, 683 Los Robles Ave., Pasadena, Cal.
6XJ—D. Farran, 1410 S. Van Ness Ave., Los Angeles, Cal.
6XK—B. F. McNamee, 2436 Stewart St. Berkeley, Cal.
6XL—Gen'l Petroleum Lab., 2525 E. 37th St., Los Angeles
6XM—University Cal., Dept. Physics, Berkeley, Cal.
6XN—Dr. A. E. Banks, San Diego, Cal.
6XO—Radio Specialty Shop, Oakland, Cal.
6XP—Moorehead Laboratories, Mission St. San Francisco
6XQ—Southern Cal. Edison Co., Los Angeles, Cal.
6XR—Altadena Radio Lab., Altadena, Cal.
6XS—R. B. Ashbrook, San Gabriel, Cal.
6XT—Baruch Research Lab., San Francisco, Cal.
6XU—San Joaquin L. & P. Corp., Fresno, Cal.
6XV—Federal Telegraph Co., Palo Alto, Cal.
6XW—H. Berringer, 637 S. Hope St., Los Angeles, Cal.
6XX—R. P. MacKenzie, 1016—4th Ave., Los Angeles, Cal.
6XY—E. C. Anthony, 1000 S. Hope St., Los Angeles, Cal.
6XZ—R. D. Whitearce & L. D. Wilson, 417 E. Speedway, Tucson, Ariz.
6ZA—I. J. Kaar, 400 Main St., Salt Lake City, Utah
6ZAB—R. L. Smith, Los Angeles Union Stock Yd., San Antonio, Cal.
6ZAD—D. Koch, 2043 Berryman St., Berkeley, Cal.
6ZAH—B. R. Cole, Los Gatos, Cal.
6ZAL—O. S. Garretson, 118 Fairmont, Eagle Rock, Cal.
6ZAM—W. G. Garner, 1260 Jefferson Ave., Ogden, Utah
6ZAR—C. C. Whysall, Los Gatos, Cal.
6ZAT—L. Farwell, 55 Broadway, Los Gatos, Cal.
6ZB—Dr. Alfred E. Banks, 1645 Neale St.,
6ZBN—C. W. Park, Box 237 Riverbank, Cal.
6ZD—A. H. Babcock, 10 Tanglewood Rd., Berkeley, Cal.
6ZE—D. B. McGown, 1247—47th Ave., San Francisco, Cal.
6ZF—W. W. Lindsay, Jr., Reedley, Cal.
6ZH—L. Picker, San Ysidro, Cal.
6ZI—R. S. Rheem, 473 Orchard St., Oakland, Cal.
6ZM—H. C. Wilson, 2 S. Main St., Salt Lake City, Utah
6ZN—E. H. Dennis, 452 Chateworth Dr., Los Angeles, Cal.
6ZO—H. S. Beedle, 604 Elko Ave., Reno, Nev.
6ZP—L. E. West, Sr., 342 Main St., Riverside, Cal.
6ZQ—F. L. Winser, 1906 Chestnut St., Berkeley, Cal.
6ZR—H. Berringer, 1604 Av., 37th W., Box 1063, R. F. D. 1, Los Angeles, Cal.
6ZS—L. Winser, 1617 Lemoyne St., Los Angeles, Cal.
6ZT—A. Johnson 247 E. 7th South, Salt Lake City, Utah
6ZW—Maj. L. Mott, 346 Claressa Ave., Avalon, Cal.
6ZX—P. W. Dann, 562—35th St., Oakland, Cal.
6ZZ—H. L. Gooding, Douglas, Ariz.
6XA—Radio Specialty Shop (H. R. Sprado), 323—12th St., Oakland, Cal.
6XAA—Pac. Tel. & Tel. Co., Sheldon Bldg., San Francisco
6XAD—L. Mott, Avalon, Cal.
6XAE—Radio Tel. Shop, 175 Stewart St., San Francisco
6XAG—Radio Shop, Sunnyvale, Cal.
6XAH—A. Wade, Jr., 465 Lake St., Los Angeles, Cal.
6XAI—W. K. Azbill, 5038 Cliff Pl., San Diego, Cal.
6XAJ—Hotel Oakland (P. Allen), Oakland, Cal.
6XAK—L. J. Meyberg Co., 950 S. Flower, Los Angeles, Cal.
6XAL—P. Oard, E. Market St., Stockton, Cal.
6XAM—S. W. Warner, 2201 Telegraph Ave., Oakland, Cal.
6XAN—B. H. Dennis, Fullerton, Cal.
6XAO—G. M. Best, 109 Greenbank Ave., Piedmont, Cal.
6XAP—The Elec. Shop, Catton, Neill & Co., Ltd., 1135 Fort St., Honolulu, T. H.
6XAQ—L. B. Benjamin, 140 S. Oxford St., Los Angeles
6XAS—B. Sawyer, P. O. Box 86 Redlands, Cal.
6XAT—O. S. Garretson, 5118 Lindmont, Eagle Rock, Cal.
6XAV—W. W. Lindsay, Jr., 1516 F St., Reedley, Cal.
6XAW—H. Berringer, 637 S. Hope St., Los Angeles, Cal.
6XAX—G. S. Corpe, 517 Main St., El Monte, Cal.
6XAY—C. R. Tinsley, 3017 Wheeler St., Berkeley, Cal.
6XAZ—R. D. Whitacre & L. R. Wilson, 417 E. Speedway, Tucson, Ariz.
6XBA—H. A. Duvall, 4965 Wadsworth St., Los Angeles
6XBC—T. E. Nikirk, 1050 W. 89th St., Los Angeles, Cal.
6XBD—Los Angeles Co. Forestry Dept., 904 Hall of R., Los Angeles, Cal.
6XBE—A. Johnson, P. O. Box 772, Salt Lake City, Utah
6XBG—H. C. Wilson, 2 S. Main St., Salt Lake City, Utah
6XBH—R. M. Potter, Clifton, Ariz.
6XBI—W. W. L. Burnett, 733—26th St., San Diego, Cal.
6XBJ—D. B. McGown, 1247—47th Ave., San Francisco
6XBK—Federal Tel. Co., Hobart Bldg., San Francisco
6XBL—E. H. Linden, Radio Insp., 2626—11th, Oakland
6XD—West. Radio Elec. Co., 637 S. Hope St., Los Angeles
6XE—Herrold Laboratories, 467 S. 1st St., San Jose, Cal.
6XF—Herrold Laboratories, 467 S. 1ts St., San Jose, Cal.
6XG—L. J. Meyberg Co., 214 Cole St., San Francisco, Cal.
6XH—H. Hoover, Jr., Stanford University, Cal.
6XJ—D. Farran, 1410 S. Van Ness Ave., Los Angeles, Cal.
6XK—R. P. MacKenzie, 1016—4th Ave., Los Angeles, Cal.
6XL—Gen'l Petroleum Co., 2525 E. 37th St., Los Angeles
6XM—University of Cal., Mechanics Bldg., Berkeley, Cal.
6XN—Dr. A. E. Banks, Suite 723, Timken Bldg., San Diego, Cal.
6XQ—Sou. Cal. Edison Co., Edison Bldg., Los Angeles
6XR—P. F. Johnson, Altadena Radio Lab., 560 E. Colo. St., Pasadena, Cal.
6XS—R. B. Ashbrook, Rose & Mission, San Gabriel, Cal.
6XT—Bible Inst. of Los Angeles, Inc., 536 S. Hope St., Los Angeles, Cal.
6XU—San Joaquin L. & P. Corp., H & Tulare, Fresno, Cal.
6XV—Federal Tel. Co., Palo Alto, Cal.
6XW—R. C. Tavers & H. O. de la Montanya, 2830—11th Ave., Oakland, Cal.
6XX—Radio Corp. of A., Ins. Exch. Bldg., San Francisco
6XY—E. C. Anthony, Jr., 1000 S. Hope St., Los Angeles
6XZ—Dr. R. O. Shelton, 3443—5th St., San Diego, Cal.

Amateur Radio Stations of the Seventh District

Headquarters, Federal Building, Seattle, Washington. The seventh district comprises the states of Oregon, Washington, Idaho, Montana, Wyoming and the territory of Alaska.

7AA—H. E. Renfro, 4311 Thackeray Pl., Seattle, Wash.
7AAB—J. F. Wise, 607 N. Cottage Gr., Miles City, Mont.
7AAC—Unassigned
7AAD—H. Semenov, 549 E. 26th St., Portland, Ore.
7AAE—A. C. Doty, 26—30th St., Corvallis, Ore.
7AAF—Unassigned
7AAG—Unassigned
7AAH—P. MacCormac, 709 W. Sharp St., Spokane, Wash.
7AAI—Unassigned
7AAJ—R. C. Ring, 70 Bush St., Ashland, Ore.
7AAK—Unassigned
7AAL—Unassigned
7AAM—Unassigned
7AAN—Unassigned
7AAO—R. Clark, 639 Rowe St., Bremerton, Wash.
7AAP—Unassigned
7AAQ—Unassigned
7AAR—C. R. Whitcomb, 597 Montgomery Dr., Portland, Ore.
7AAS—Unassigned
7AAT—Unassigned
7AAU—Unassigned
7AAV—K. E. Fitch, 229 N. Chelan St., Wenatchee, Wash.
7AAW—Unassigned
7AAX—Unassigned
7AAY—M. L. Plengstad, 1708 Knox, S., Bellingham Wash.
7AAZ—W. E. Campbell, R.F.D. 2, Wenatchee Wash.
7AB—D. F. Craib, 8021 Ashwort Ave., Seattle, Wash.
7ABA—Unassigned
7ABB—C. E. Kick, 3802 Hoyt Ave., Everett, Wash.
7ABC—Unassigned
7ABD—Unassigned
7ABE—F. B. Harper, 407 N. 62d St., Seattle, Wash.
7ABF—R. M. Flagler, 809 E. 62d St., Seattle, Wash.
7ABG—Unassigned
7ABH—L. Jenkins, 517—4th Ave. E., Twin Falls, Idaho
7ABI—R. M. Hess, 443—14th St., Bellingham, Wash.
7ABJ—Unassigned
7ABK—Unassigned
7ABL—Unassigned
7ABM—Unassigned
7ABN—Unassigned
7ABO—E. E. Storrs, Mount Vernon, Wash.
7ABP—Unassigned
7ABQ—Unassigned
7ABR—Unassigned
7ABS—W. L. Smith, 634 Commercial St., Portland, Ore.
7ABT—Unassigned
7ABU—L. Nelson, 16th Ave. & 11th St., Seaside, Ore.
7ABV—W. R. Wood, 711 Boston St., Bremerton, Wash.
7ABW—Unassigned
7ABX—S. H. Warbarton, Teller, Alaska
7ABY—Unassigned
7ABZ—Unassigned
7AC—H. J. Briscoe, Cascade, Mont.
7ACA—P. Comings, 712—4th St., Bremerton, Wash.
7ACB—Unassigned
7ACC—W. B. Franson, 1515—3d Av. N., Great Falls, Mont.
7ACD—J. H. Dingley, Metzger, Ore.
7ACE—D. G. Shaw, Emmett, Idaho
7ACF—L. L. Peck, Buhl, Mont.
7ACG—R. G. Thornburg, Forest Grove, Ore.
7ACH—Unassigned
7ACI—A. B. Williams, 510 W. Park St., Butte, Mont.
7ACJ—Unassigned
7ACK—L. C. Treyer, 1217 S. Adams St., Spokane, Wash.
7ACL—Unassigned
7ACM—L. S. Power, 101 Portland Ave., Medford, Ore.
7ACN—D. D. Latourell, R. 3, Box 77, Salem, Ore.
7ACO—W. Slee, 714 Shannon St., Spokane, Wash.
7ACP—A. C. Dixon, R.F.D. 3, Stevensville, Mont.
7ACQ—Unassigned
7ACR—Unassigned
7ACS—G. K. Burson, 228 Broadway, Tekoa, Wash.
7ACT—E. C. Gould, 1522—18th Ave., Seattle, Wash.
7ACU—F. C. Gortler, 265 Monroe St., Portland, Ore.
7ACV—Unassigned
7ACW—K. A. Hampton, S. Kittitas St., Wenatchee, Wash.
7ACX—H. P. Meyers, 755 Borthwick St., Portland, Ore.
7ACY—K. D. Ulbreg, 919—20th Ave. N., Seattle, Wash.
7ACZ—E. Twilde, 128 S. Kenrick Ave., Glendive, Mont.
7AD—F. J. Brott, 2048-B 42d Ave. N., Seattle, Wash.
7ADA—L. Winkler, 475 Emerson St., Portland, Ore.
7ADB—Unassigned
7ADC—G. M. Wagnon, 1038—10th St. N.E., Portland, Ore
7ADD—C. H. Austin, 256 Irving St., Bend, Ore.
7ADE—D. Martindale, 804 S. Hanson Ave., Burley, Idaho
7ADF—H. J. Olschewsky, E. Broad St., Montesano, Wash

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7ADG—R. Powell, 419—12th St. N., Corvallis, Ore.
7ADH—N. R. Hood, 1022 S. Ash St., Casper, Wyo.
7ADI—G. H. Eberting, 400 Washington St., Dallas, Ore.
7ADJ—H. L. Towers, 707 Broadalbin St., Albany, Ore.
7ADK—F. M. Brill, 795 E. 9th St. N., Portland, Ore.
7ADL—D. D. Taylor, 4416—30th Ave. W., Seattle, Wash.
7ADM—E. Harmon, 820 E. Pine St., Portland, Ore.
7ADN—Unassigned
7ADO—L. B. Graham, E. 1643 Wellesley, Spokane, Wash.
7ADP—R. D. Hoffman, 4312 W. Findlay St., Seattle, Wash.
7ADQ—I. V. Iverson, 4052—2d Ave. N.W., Seattle, Wash.
7ADR—A. Ropiak, 1009 Soule Ave., Hoquiam, Wash.
7ADS—J. F. McBride, 320 Morris St., Portland, Ore.
7ADT—T. G. Thomson, 1629 Pacific Ave., Spokane, Wash.
7ADU—E. Skow, Montana Ave., Ontario, Ore.
7ADV—Unassigned
7ADW—Unassigned
7ADX—Unassigned
7ADY—W. J. Young, 6027 California Ave., Seattle, Wash.
7ADZ—E. M. McNelly, S. Church St., Montesano, Wash.
7AE—E. H. Forsman, 2846 W. 73d St., Seattle, Wash.
7AEA—W. S. Robinson, Oak Grove, Ore.
7AEB—W. A. Hemrich, Kukack Bay (P.O. Kodiak), Alaska
7AEC—R. S. Cornell, 1009—4th St., Hillsboro, Ore.
7AED—Unassigned
7AEE—R. J. Murray, 6521—17th Ave. N.E., Seattle, Wash.
7AEF—W. B. Barnes, 1545 Main St., Hillsboro, Ore.
7AEG—E. B. Craney, E. 324 Nora Ave., Spokane, Wash.
7AEH—Unassigned
7AEI—Unassigned
7AEJ—Unassigned
7AEK—T. Morgan, 374 E. 16th St. N., Portland, Ore.
7AEL—G. A. Bloomstrom, 5315—46th, S.W., Seattle, Wash.
7AEM—Unassigned
7AEN—Unassigned
7AEO—Unassigned
7AEP—Unassigned
7AEQ—Unassigned
7AER—Unassigned
7AES—F. A. Riebe, 763 S. Broadway, Marshfield, Ore.
7AET—Unassigned
7AEU—Unassigned
7AEV—Unassigned
7AEW—Unassigned
7AEX—F. B. Harwood, 1550 E. Garfield St., Seattle, Wash.
7AEY—Unassigned
7AEZ—C. A. Johnson, 2637 E. Helen St., Seattle, Wash.
7AF—J. W. Huntley, 2327 E. Pacific Ave., Spokane, Wash.
7AFA—G. A. Wertz, Hanford, Wash.
7AFB—E. Hughes, 112 L St., Hoquiam, Wash.
7AFC—Unassigned
7AFD—Unassigned
7AFE—R. H. Rountree, 3156 E. Laurelhurst Dr., Seattle, Wash.
7AFF—R. A. MacMillan, 686 Grove St., Lebanon, Ore.
7AFG—Unassigned
7AFH—A. S. Keller, Box 183, Monroe, Wash.
7AFI—L. Smith, 839 Glenn Ave. N., Portland, Ore.
7AFJ—E. F. Lindberg, 816 Puget St., Olympia, Wash.
7AFK—P. L. Williams, 1907 W. 1st St., Bend, Ore.
7AFL—E. H. Nelson, 3d & Tower Sts., Montesano, Wash.
7AFM—T. A. Brink, Eight Point, Mont.
7AFN—G. P. Beckett, 3323 S. 10th St., Tacoma, Wash.
7AFO—R. G. Olson, 3323 S. 7th St., Tacoma, Wash.
7AFP—M. W. Buening, Box 668, Red Lodge, Mont.
7AFQ—R. B. Dickinson, R. R. Box 13, Coupeville, Wash.
7AFR—Unassigned
7AFS—V. S. Mathews, Montesano, Wash.
7AFT—B. Buell, Hunts Point, Wash.
7AFU—C. L. Johnson, 815 Thatuna St., Pullman, Wash.
7AFV—K. F. Bendetson, 209 W. 5th St., Aberdeen, Wash.
7AFW—R. A. Howell, Box 131, Worland, Wyo.
7AFX—F. R. Butt, 2011 Atlantic St., Spokane, Wash.
7AFY—C. I. Hurd, 127—12th St., Corvallis, Ore.
7AFZ—Unassigned
7AG—W. Brouggeman, 5549 Holly St., Seattle, Wash.
7AGA—Unassigned
7AGB—C. G. Pearce, 1586 Fiske St., Portland, Ore.
7AGC—Unassigned
7AGD—Unassigned
7AGE—B. Mitchell, 575 Center St., Salem, Ore.
7AGF—F. W. Prince, P. O. Box 414, Troy, Mont.
7AGG—D. P. Siegley, 2712—10th Ave. W., Seattle, Wash.
7AGH—Unassigned
7AGI—T. Rowe, 3823 S. 9th St., Tacoma, Wash.
7AGJ—C. J. Backstrand, Jr., 104 E. 67th, N., Portland, Ore.
7AGK—Unassigned
7AGL—F. W. Hufsmith, 563 Gy Ave., Casper, Wyo.
7AGM—E. J. Willard, 128 S. Pioneer Ave., Ashland, Ore.
7AGN—Unassigned
7AGO—Unassigned
7AGP—L. Bowser, Silverton, Ore.
7AGQ—Unassigned
7AGR—F. Brown, Box 910, Boise, Idaho
7AGS—Unassigned
7AGT—L. R. Hecox, Belgrade, Mont.
7AGU—L. H. Russell, Fruitland, Idaho
7AGV—W. E. Fowler, 709 N. Cushman St., Tacoma, Wash.
7AGW—W. E. Lightowler, 519—7th St., Oregon City, Ore.
7AGX—Unassigned
7AGY—R. L. Silva, 1530—19th Ave., Seattle, Wash.
7AGZ—T. E. Erdman, 529 Karr Ave., Hoquiam, Wash.
7AH—D. W. Coffey, Kalama, Wash.
7AHA—C. H. Rose, 604 Essex Ave., Aberdeen, Wash.
7AHB—L. E. Schell, Anchorage, Alaska
7AHC—A. W. Mills, Riverton, Wyo.
7AHD—Unassigned
7AHE—N. E. Parr, Springfield, Ore.
7AHF—W. W. Barney
7AHG—L. A. Stone, 2124 Young St., Bellingham, Wash.
7AHH—B. L. Hubbard, Troy, Mont.
7AHI—A. L. Kuballo, 4019—47th Av. S.W., Seattle, Wash.
7AHJ—R. L. Brennan, 599 Vancouver Ave., Portland, Ore.
7AHK—Unassigned
7AHL—Unassigned
7AHM—P. Jackson, Greenbank, Wash.
7AHN—G. A. Springer, 837 Commercial St., Portland, Ore.
7AHO—G. Griffis, 841 Haight St., Portland, Ore.
7AHP—W. M. Lambke, Medina, Wash.
7AHQ—R. Naser, 1119—9th St., Anacortes, Wash.
7AHR—Unassigned
7AHS—C. N. Layne, 509 N. 9th St., Buhl, Idaho
7AHT—Unassigned
7AHU—Unassigned
7AHV—J. J. Kelly, S 1613 N. 9th St., Tacoma, Wash.
7AHW—R. E. Walker, S. 1024 E. Oak St., Portland, Ore.
7AHX—W. Shade, 620½ Grantonbien Ave., Portland, Ore.
7AHY—Unassigned
7AHZ—G. Watrous, Box 97, Junction City, Ore.
7AI—T. E. McMahon, Lakeview, Wash.
7AIA—G. R. Topping, 445 Douglas Ave., Bandon, Ore.
7AIB—H. Helgesen, Port Angeles, Wash.
7AIC—E. W. Start, 810 Ester Ave., Vancouver, Wash.
7AID—R. W. Wilson, 1132 Highland Dr., Bremerton, Wash.
7AIE—R. W. Hayes, 294 E. 32d St., Portland, Ore.
7AIF—L. V. White, 1010 Pacific Ave., Bremerton, Wash.
7AIG—Unassigned
7AIH—H. Smith, 3508 S. 14th St., Tacoma, Wash.
7AII—C. M. Hammond, 2901 N. 19th St., Tacoma, Wash.
7AIJ—H. J. Holt, 806 Sheridan Ave. S., Tacoma, Wash.
7AIK—H. T. Fitch, 2717 N. Yakima Ave., Tacoma, Wash.
7AIL—L. S. Hansen, Worland, Wyo.
7AIM—M. E. McCulloch, 802 S. Trafton St., Tacoma, Wash.
7AIN—E. M. Anderson, 707 Mill St., Milton, Ore.
7AIO—E. Grady, 908—7th St., Anacortes, Wash.
7AIP—W. Hanley, 1169 Moore St., Portland, Ore.
7AIQ—L. Bankhead, 1120—38th Ave. N., Seattle, Wash.
7AIR—Unassigned
7AIS—J. A. Keho, 917 N. 2d St., Tacoma, Wash.
7AIT—T. Sikora, R. 2, Box 69, Milwaukie, Ore.
7AIU—F. Wilson, Box 63, Enumclaw, Wash.
7AIV—E. Shepherd, R.F.D. 1, Waterloo, Ore.
7AIW—Unassigned
7AIX—S. E. Spittle, 284 Irving St., Astoria, Ore.
7AIY—F. A. Mueller, Jr., care Commercial Bank-Trust Co., Wenatchee, Wash.
7AIZ—F. L. Gould, Basin, Wyo.
7AJ—F. B. Moseman, 3015 N. 26th St., Tacoma, Wash.
7AJA—I. Murphy, 4519 S. G St., Tacoma, Wash.
7AJB—L. R. Northrup, 607 E. Taylor St., Portland, Ore.
7AJC—A. C. Campbell, 255—14th Ave. W., Seattle, Wash.
7AJD—L. E. Crouter, Y. M. C. A., Billings, Mont.
7AJE—I. Woodyard, 522 W. Yakima Ave., Yakima, Wash.
7AJF—Unassigned
7AJG—J. E. Wright, 14—3d Ave. S., Forest Grove, Ore.
7AJH—Unassigned
7AJI—Unassigned
7AJJ—F. J. Todd, 812 N. Anderson St., Tacoma, Wash.
7AJK—G. P. Corcker, Jennings Lodge, Ore.
7AJL—A. Alliet, 21—28th Ave., Seattle, Wash.
7AJM—H. Nelson, 6702—20th St. N.W., Seattle, Wash.
7AJN—E. France, 10316—57th Ave., Portland, Ore.
7AJO—H. M. Nichols, 443 Vista Ave., Portland, Ore.
7AJP—H. J. Unger, 443 E. 10th St. N., Portland, Ore.
7AJQ—E. D. MacCormach, Box 823, Pendleton, Ore.
7AJR—J. F. Byrne, 2014 E. Mercer St., Seattle, Wash.
7AJS—D. W. Ross, 4230—63d St. N.E., Portland, Ore.
7AJT—J. H. Keachie, Basin, Wyo.
7AJU—B. G. Setterstrom, 1261 Boston St., Portland, Ore.
7AJV—W. McCready, Route 3, Vancouver, Wash.
7AJW—Unassigned
7AJX—K. Bailey, Rainbow Dam, Great Falls, Mont.
7AJY—H. Grant, Jr., 3324 L St., Vancouver, Wash.
7AJZ—Dr. V. A. Clemens, Riverton, Wash.
7AK—E. L. Wagner, 309 Jefferson St., Toppenish, Wash.
7AKA—Unassigned
7AKB—J. S. Ramsey, Ellensburg, Wash.
7AKC—Unassigned
7AKD—C. Huntley, 6555 19th Ave. N.E., Seattle, Wash.
7AKE—Unassigned
7AKF—B. E. Cushney, Sunnyside, Wash.
7AKG—B. P. Harman, 518 2nd St., Oregon City, Ore.
7AKH—C. R. Wood, 1204 Willard St., McMinnville, Ore.
7AKI—E. Hirschfield, 229 B St., Rock Springs, Wyo.
7AKJ—J. T. Turner, Natl. Bk. Bldg., Bellingham, Wash.
7AKK—R. P. Farrington 123 39th St., E., Portland, Ore.
7AKL—Unassigned
7AKM—Unassigned
7AKN—B. H. Monish, St. Helens, Ore.
7AKO—V. Brittain, 1043 E. 8th St., N. Portland, Ore.
7AKP—W. Colbon, 914 Manhattan Ave., Arlington, Wash.
7AKQ—P. T. Ellis, 1075 Division St., Portland, Ore.
7AKR—Unassigned
7AKS—C. J. Fisher, R. R. 2, Troutdale, Ore.
7AKT—J. H. Lensch, 872 The Alemeda, Portland, Ore.
7AKU—E. Rissboger, 1010 Clackamas St., Oregon City, Ore.
7AKV—M. S. Salmonson, 1029 E. 21st St., Portland, Ore.
7AKW—L. W. Harrington, 932 S. Jersey St., Portland, Ore.
7AKX—Unassigned
7AKY—R. S. Rassmussen, R. R. 1, Box 361, Portland, Ore.
7AKZ—L. C. Kiser, 1819 E. Morrison St., Portland, Ore.
7AL—C. H. Yoshii, 1415 E. Salmon St., Portland, Ore.
7ALA—Jefferson High Radio Club, Portland, Ore.
7ALB—Unassigned
7ALC—R. Jordan, 899 E. Burnside St., Portland, Ore.
7ALD—R. O. Lyons, Forest Grove, Ore.
7ALE—L. Y. McMoran, R. F. D. 1, Mt. Vernon, Wash.
7ALF—C. D. Blomgren, 611 Windell St., St. Johns, Ore.
7ALG—G. W. Miller, Box 429, R. R. 3, Portland, Ore.
7ALH—Unassigned
7ALI—J. W. Wallace, Box 180, R. R. 2, Mt. Vernon, Wash.
7ALJ—E. Helvogt, Jr., Hillsboro, Ore.
7ALK—A. J. Spahn, 589 E. 17th St., Portland, Ore.
7ALL—Unassigned
7ALM—H. W. Robinson, Powers, Ore.
7ALN—R. N. Sherwood, Powers, Ore.
7ALO—H. W. Nelson, 1830 Stanton St., Portland, Ore.
7ALP—E. W. Snell, Arlington, Ore.
7ALQ—Unassigned
7ALR—A. H. Boock, 1035 Hood St., Salem, Ore.
7AM—E. A. Harrington, 2852 W. 67th St., Seattle, Wash.
7AN—C. E. Williams, 8326 13th Ave., NW., Seattle, Wash.
7AO—K. L. King, Grandview, Wash.
7AP—T. T. Smith, 1306 E. 75th St., Seattle, Wash.
7AQ—D. Smith, 749 2nd Ave., Hillsboro, Ore.
7AR—E. Jorgenson, 2010 Young St., Bellingham, Wash.
7AS—S. Hall, Malad, Idaho.
7AT—C. Capehart, 6314 S. Yakima Ave., Tacoma, Wash.
7AU—E. Earl, 107 2nd St., Port Angeles, Wash.
7AV—G. Hurlburt, 1330 Williams Ave., Portland, Ore.
7AW—C. B. Gamer, 3750 N. 13th St., Tacoma, Wash.
7AX—B. Duncan, 551 Oregon Way, Longview, Wash.
7AY—J. F. Ives, 1942 4th Ave., Seattle, Wash.
7AZ—C. Huntley, 426 25th St., Vancouver, Wash.
7BA—M. C. Richard, 3024 S. 9th St., Tacoma, Wash.
7BB—W. B. Swartout, Spring and Foster Rds., Lents, Ore.
7BC—N. R. Benoit, 5235 S. Birmingham St., Portland, Ore.
7BD—G. E. Hart, Sumner, Wash.
7BE—B. C. Barnes, 1334 Alder St., Eugene, Ore.
7BF—E. Rebman, 3110 Jameson St., Seattle, Wash.
7BG—E. W. Weingarten, 3219 N. 24th St., Tacoma, Wash.
7BH—D. Riggs, 2220 Cascade View, Everett, Wash.
7BI—L. Smith, Tekoa, Wash.
7BJ—G. Sturley, 206 E. 17th St., Vancouver, Wash.
7BK—B. A. Stocking, 3013 W. 71st St., Seattle, Wash.
7BL—A. C. Bailey, Seahurst Pk., Orcas St., Seattle, Wash.
7BM—A. Houtari, 215 W. 3rd St., Aberdeen, Wash.
7BN—A. Johnson, 3802 13th St., Seattle, Wash.
7BO—J. E. Stuart, 212 S. 6th St., Livingston, Mont.
7BP—C. E. Heaney, 656 E. 8th St., N., Portland, Ore.
7BQ—E. Henry, 446½ Larrabee St., Portland, Ore.
7BR—E. N. Swan, 1461 Portsmouth Ave., Portland, Ore.
7BS—O. J. Humphrey, Jr., 605 Boylston, Seattle, Wash.
7BT—E. E. McClaren, 229 N 16th St., Portland, Ore.
7BU—W. T. Reid, 5646 12th Ave. NE., Seattle, Wash.
7BV—W. F. Pierce, Jr., 1629 Harvard Ave., Seattle, Wash.
7BW—P. W. Overstreet, Miller St., Wenatchee, Wash.
7BX—J. J. Tovey, 5610 20th Ave. NW., Seattle, Wash.
7BY—R. E. Priebe, 1421 Elk St., Bellingham, Wash.
7BZ—E. O. Robbins, 300 Fir St., Olympia, Wash.
7CA—B. E. Lozett, 3316 Railroad Ave., Seattle, Wash.
7CB—R. S. Morris, Box 134, Steilacoom, Wash.
7CC—F. C. Onley, Box 195, Anacortes, Wash.
7CD—E. C. Waugh, Willowa, Ore.
7CE—H. G. Reichert, 818 N. L St., Tacoma, Wash.
7CF—R. J. Alexander, 5046 S. K St., Tacoma, Wash.
7CG—L. K. Ballinger, 421 Roselawn Ave., Portland, Ore.
7CH—S. Stowell, 307 N. E St., Ellensburg, Wash.
7CI—G. B. Merz, 606 26th Ave., Seattle, Wash.
7CJ—H. B. Read, Hood River, Ore.
7CK—A. Philips, 216 Terrace St., Olympia, Wash.
7CL—W. F. Freyler, 1003 Dearborn Ave., Helena, Mont.
7CM—H. C. Allen, 732 Wygant St., Portland, Ore.
7CN—L. M. Cray, 835 Garfield Ave., Portland, Ore.
7CO—J. Hunt, 128 S. Kendrick Ave., Glendive, Mont.
7CP—E. G. Martin, 691 E. 65th St., N. Portland, Ore.
7CQ—M. P. Kavanaugh, 430 Bond St., St. Helens, Ore.
7CR—C. M. Emigh, 2015 W. 7th St., Spokane, Wash.
7CS—W. W. Wells, High School, Marshfield, Ore.
7CT—C. G. MacMillan, Powers, Ore.
7CU—C. Wood, 1801 Railroad Ave., Aberdeen, Wash.
7CV—S. H. Hobert, 209 W. 11th St., Vancouver, Wash.
7CW—H. H. Schoolfield, Jr., 838 Skidmore, Portland, Ore.
7CX—J. M. Cook, Anchorage, Alaska.
7CY—B. Crawford, 323 S. J St., Tacoma, Wash.
7CZ—C. E. Fraer, 88 Park Ave., Marshfield, Ore.
7DA—R. L. Lybarger, 8th and L Aves., La Grande, Ore.
7DB—F. Tovey, 1006 L St., S., Tacoma, Wash.
7DC—J. A. Rutledge, 1010 Pacific Ave., Bremerton, Wash.
7DD—W. J. Provis, 106 Kenper Ave., Butte, Mont.
7DE—L. W. Sensiba, Jordan Ave., Jordan, Mont.
7DF—C. Nagata, P. O. Box 62, Thomas, Wash.
7DG—E. A. Fensky, Mile 7, Cordova, Alaska.
7DH—W. E. Webb, Hyattville, Wyo.
7DI—G. E. Williams, 817 Essex Ave., Aberdeen, Wash.
7DJ—E. Sutton, 2nd and Laurel Sts., Port Angeles, Wash.
7DK—C. F. Weil, 1123½ 9th Ave N., Seattle, Wash.
7DL—J. A. Dishman, Myrtle Point, Ore.
7DM—C. Freeland, R. F. D. 3, Yakima, Wash.
7DN—F. Umphenour, 447 14th St., Bellingham, Wash.
7DO—Unassigned
7DP—G. W. Cameron, 500 12th St., Portland, Ore.
7DQ—R. R. Brand, 1303 Seneca St., Portland, Ore.
7DR—Unassigned
7DS—Unassigned
7DT—R. P. E. Mortell, 102 W. Mercer, Seattle, Wash.
7DU—R. M. Walker, 5926 44th Ave. SW., Seattle, Wash.
7DV—D. M. Long, 631 E 58th St. N., Portland, Ore.
7DW—L. N. Seger, 5633 S. L St., Tacoma, Wash.
7DX—F. Calvert, 4830 Le Droit Ct., Seattle, Wash.
7DY—R. L. Beach, 3615 Whitman Ave., Seattle, Wash.
7DZ—Unassigned
7EA—Unassigned
7EB—A. C. Peterson, Jr., 620 Knox St., Spokane, Wash.
7EC—Unassigned
7ED—J. H. Wendall, 36 Division St., Arlington, Ore.
7EE—Unassigned
7EF—H. B. Bogue, 115 W. 14th St., The Dalles, Ore.
7EG—G. R. Stewart, 111 W. 8th St., Ellensburg, Wash.
7EH—Unassigned
7EI—W. B. Doty, 207 W. John St., Portland, Ore.
7EJ—W. E. Gurley, Canby, Ore.
7EK—L. Lunan, 806 S. M St., Tacoma, Wash.
7EL—C. W. Mabbott, Stevensville, Mont.
7EM—N. E. Klein, 524 N. Bartlett St., Medford, Ore.
7EN—E. B. Jones, Camas, Wash.
7EO—H. T. Louis, Dayton, Ore.
7EP—F. C. Driffield, Unga Island, Alaska.
7EQ—L. E. Anderson, 2307 Oakes Ave., Everett, Wash.
7ER—Unassigned
7ES—J. E. Parker, 5th Ave., Kalispell, Mont.
7ET—I. N. Robinson, Box 450, R. F. D. 10, Seattle, Wash.
7EU—Unassigned
7EV—Unassigned
7EW—Unassigned
7EX—E. L. Wharton, Orpheum Bldg., Glasgow, Mont.
7EY—C. N. Ashla, 1650 E. Terrace St., Portland, Ore.
7EZ—L. B. Starr, 1093 5th St., Eugene, Ore.
7FA—Unassigned
7FB—R. H. Chaussee, Box 30, R. R. 1, Enumclaw, Wash.
7FC—G. Cleaver, 1816 E. Morrison St., Portland Ore.
7FD—O. Johnson, 2621 Commodore Way, Seattle, Wash.
7FE—F. T. Richards, 6323 5th Ave. NE., Seattle, Wash.
7FF—Unassigned
7FG—R. Fifield, 278 Baldwin St., Portland, Ore.
7FH—K. C. Stone, Junction City, Ore.
7FI—Unassigned
7FJ—F. M. Kettenring, 314 W. 11th St., Vancouver, Wash.
7FK—G. Chinn, 263 E. 50th St., Portland, Ore.
7FL—F. F. Grey, 3200 Richardson St., Butte, Mont.
7FM—W. G. Shaw, 3114 S. 56th St., Tacoma, Wash.
7FN—Unassigned
7FO—Unassigned
7FP—Unassigned
7FQ—L. R. Goddard, 527 Water St., Tekoa, Wash.
7FR—E. E. Power, 101 Portland Ave., Medford, Ore.
7FS—G. A. Dodds, Box 39-A, R. F. D. 6, Oregon City, Ore.
7FT—A. H. Rosene, 1718 N. 14th St., Boise, Idaho.
7FU—Unassigned
7FV—H. D. Davison, Priarwood Station, Portland, Ore.
7FW—Unassigned
7FX—A. C. Gordon, 964 E. 28th St., N. Portland Ore.
7FY—H. C. Bristol, 726 Lovejoy St., Portland, Ore.
7FZ—E. Scott, 2621 41st Ave., SW., Seattle, Wash.
7GA—C. R. Beamer, 243 E. 35th St., Portland, Ore.
7GB—C. F. Butler, 811 N. Anderson St., Tacoma, Wash.
7GC—Unassigned
7GD—J. M. Pearson, 740 Schuyler St., Portland, Ore.
7GE—L. C. Maybee, 110 S. 7th St., Pasco, Wash.
7GF—E. Curbow, Box 88, R. R. 1, Burlington, Wash.
7GG—G. D. Crockett, 1420 Hawthorne Ave., Portland, Ore.
7GH—S. R. Chester, 919 N. Lawrence Ave., Tacoma, Wash.
7GI—C. S. Yerian, 509 W. Augusta Ave., Spokane, Wash.
7GJ—Unassigned
7GK—I. H. Bouchard, 639 S. Idaho St., Butte, Mont.
7GL—Unassigned
7GM—J. B. Hendry, 1407 32nd St., Seattle, Wash.
7GN—C. A. Newton, 1644 21st St., Seattle, Wash.
7GO—E. Stehl, 4226 7th Ave., Seattle, Wash.
7GP—A. Gunston, 1102 Adams St., Olympia Wash.
7GQ—M. D. Koupal, 610 W. 5th St., Eugene, Ore.
7GR—Unassigned
7GS—L. Evenston, 518 N. 79th St., Seattle, Wash.
7GT—N. M. Smith, 317 Lexington Ave., Astoria, Ore.
7GU—Unassigned
7GV—C. Simonson, 1400 Delaware Ave., Portland, Ore.
7GW—L. M. MacLafferty, 1735 N. Harrison, Pocatello, Ida.
7GX—Unassigned
7GY—Unassigned
7GZ—L. C. Clark, 710 Belmont St., Seattle, Wash.
7HA—H. B. Churchill, 507 Belmont St., Salem, Ore.
7HB—Unassigned
7HC—L. D. Bowen, South 1st St., Montesano, Wash.
7HD—A. A. Thibodo, Seaside, Ore.
7HE—Bremerton Amateur Club, Bremerton, Wash.
7HF—H. M. Skipworth, 1151 Charnelton, Eugene, Ore.
7HG—W. C. Mikkelson, R. R. 3, Waitsburg, Wash.
7HH—W. P. Fisher, Gold Hill, Ore.
7HI—W. B. Robinson, 112 K St., SE., Auburn, Wash.
7HJ—C. W. Henry, 725 40th St., SE., Portland, Ore.
7HK—W. W. White, 312 Montgomery St., Portland, Ore.
7HL—M. D. Richardson, 500 Willmette, St. Helena, Mont.
7HM—M. Eton, 601 5th Ave. N., Great Falls, Mont.
7HN—D. Jeane, Veneta, Wash.
7HO—Unassigned
7HP—C. Burson, 4902 Phinney Ave., Seattle, Wash.
7HQ—Unassigned
7HR—F. A. Moore, Walla Walla, Wash.
7HS—O. C. Kent, Glasgow, Mont.
7HT—E. H. Wimer, Cohagen, Mont.
7HU—Unassigned
7HV—Unassigned
7HW—E. R. Witzel, 255 N. 8th St., Laramie, Wyo.
7HX—Unassigned
7HY—Unassigned
7HZ—P. L. Schreiber, Cohagen, Mont.
7IA—C. W. Wheeler, R. R. 1, Enumclaw, Wash.
7IB—J. G. Nordhal, 809 24th Ave., N., Seattle, Wash.
7IC—J. Johnson, 700-A E. Pike St., Seattle, Wash.
7ID—B. Barr, Mt. Angel, Ore.
7IE—Unassigned
7IF—Unassigned
7IG—J. S. Asplund, R. F. D. 1, Eatonville, Wash.
7IH—G. W. Selvidge, 4321 9th Ave., NE., Seattle, Wash.
7II—Unassigned
7IJ—Unassigned
7IK—Unassigned
7IL—G. C. Calheun, 1409 10th Ave., Seattle, Wash.
7IM—C. Freeland, R. F. D. 3, Yakima, Wash.
7IN—W. Staiger, 734 E. 40th St., N., Portland, Ore.
7IO—E. M. Wright, Box 536, Nampa, Idaho.
7IP—A. A. McCue, Noah Bay, Wash.
7IQ—W. F. Wilson, Reedsport, Ore.
7IR—Unassigned
7IS—R. Matteimuller, 2471 4th Ave., N., Seattle, Wash.
7IT—A. C. Dixon, Jr., Stevensville, Mont.
7IU—Unassigned
7IV—K. B. Aldrich, 3315 N. 29th St., Tacoma, Wash.

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7IW—P. R. Hoppe, 1633 Willamette St., Eugene, Ore.
7IX—F. G. Cornue, Selah, Wash.
7IY—D. Cutler, Vashon, Wash.
7IZ—Unassigned
7JA—E. L. Crawford, 1340 Court St., Salem, Ore.
7JB—Unassigned
7JC—G. Klemgard, R. R. 2, Pullman, Wash.
7JD—H. E. Cutting, 420 Kuchman St., W., Bozeman, Mont.
7JE—J. Rice, 301 N. Main St., Pendleton, Ore.
7JF—C. Anderson, 509 Washington St., Moscow, Idaho.
7JG—R. Gilmore, 1201 18th Ave., N., Seattle, Wash.
7JH—Unassigned
7JI—T. Bragg, 134 Melrose Ave., Seattle, Wash.
7JJ—H. Johnson, 4218 Orcas St., Seattle, Wash.
7JK—Unassigned
7JL—E. Ullman, Emmelaw, Wash.
7JM—O. R. Anderson, 1114 E. Market St., Portland, Ore.
7JN—Unassigned
7JO—H. A. Shelleday, 6612 59th Ave., SE., Portland, Ore.
7JP—Unassigned
7JQ—Unassigned
7JR—C. S. Daggy, Pullman, Wash.
7JS—L. C. Tate, 807 6th St., Anacortes, Wash.
7JT—Unassigned
7JU—J. M. Morris, 650 12th Ave., Eugene, Ore.
7JV—H. M. Moon, R. F. D. 2, Meridian, Idaho.
7JW—J. D. Tate, 851 E. 26th St., S., Portland, Ore.
7JX—Unassigned
7JY—C. L. Cook, Gold Hill, Ore.
7JZ—Unassigned
7KA—Unassigned
7KB—E. M. Sheets, Oak Grove, Ore.
7KC—Unassigned
7KD—Unassigned
7KE—Unassigned
7KF—Unassigned
7KG—S. A. Wicks, 623 Willis St., Kent, Wash.
7KH—Unassigned
7KI—Unassigned
7KJ—W. M. McGoffin, 450 Chinault St., Hoquiam, Wash.
7KK—H. C. McCracken, 703 E. 20th St., Portland, Ore.
7KL—V. H. Dale, 432 Terrace St., Ashland, Ore.
7KM—W. O. Nicholson, 3115 S. 8th St., Tacoma, Wash.
7KN—C. W. Black, Cambridge, Idaho.
7KO—F. E. Lang, 936 S. Grant St., Tacoma, Wash.
7KP—A. Holcombe, 137 N. 79th St., Seattle, Wash.
7KQ—D. Smith 415 Peabody St., Port Angeles, Wash.
7KR—H. R. Brock, 104 Jackson St., Pendleton, Ore.
7KS—A. H. Whittle, 7 Grant Ave., Astoria, Ore.
7KT—W. V. Lindquist, 5012 W. Prince St., Seattle, Wash.
7KU—Unassigned
7KV—R. Howerton, Ilwaco, Wash.
7KW—G. H. Metcalf, 1413 W. 53rd St., Seattle, Wash.
7KX—E. Hurtt, 250 N. Miller St., Burley, Idaho.
7KY—W. Allingham, 654 E. 51st St., N. Portland, Ore.
7KZ—W. Akins, 1107 W. Main St., Lewiston, Mont.
7LA—D. Phillips, Tenino, Wash.
7LB—A. Steiss, 1922 E. J St., Tacoma, Wash.
7LC—E. Zabisket, 8237 2nd Ave., Seattle, Wash.
7LD—Unassigned
7LE—W. Howell, 3646 Parry Ave., Seattle, Wash.
7LF—E. A. Craft, 5012 11th Ave., NE., Seattle, Wash.
7LG—Unassigned
7LH—A. West, Junction City, Wash.
7LI—A. Eble, 3105 Irving St., Seattle, Wash.
7LJ—F. A. Ashford, Box 170, Woodstock, Portland, Ore.
7LK—Unassigned
7LL—Unassigned
7LM—C. A. Baker, 696 Clackamas St., Portland, Ore.
7LN—L. L. Martin, Nampa, Idaho
7LO—W. C. Burkhart, 1700 Denver St., Boise, Idaho
7LP—Unassigned
7LQ—W. C. Mock, Jr., 614 Everett St., Portland, Ore.
7LR—R. V. Howard, 312 Blair St., Eugene, Ore.
7LS—Unassigned
7LT—Unassigned
7LU—F. N. Mitchell, Greybull, Wyo.
7LV—H. E. Rankin, Box 28, Route 8, Salem, Ore.
7LW—Unassigned
7LX—C. A. Robertson, Box 224, Brownsville, Ore.
7LY—R. E. Thomlinson, 404—16th St., Vancouver, Wash.
7LZ—D. C. Mason, 326 W. 6th St., Albany, Ore.
7MA—Unassigned
7MB—Unassigned
7MC—G. E. West, Polytechnic, Mont.
7MD—E. J. Henderson, Route 1, Brownsville, Ore.
7ME—G. C. Waller, 232 Montgomery St., Albany, Ore.
7MF—Unassigned
7MG—Unassigned
7MH—R. J. Gordon, Darrington, Wash.
7MI—Unassigned
7MJ—Unassigned
7MK—H. J. Hig, Jr., 2727—32d Ave. S., Seattle, Wash.
7ML—J. P. Thompson, 1007 E. 3d St., Ellinsburg, Wash.
7MM—W. L. Nelson, 714 W. 21st St., Vancouver, Wash.
7MN—F. H. Stephens, Ketchikan, Alaska
7MO—F. Thompson, Douglas, Wyo.
7MP—R. W. Lindahl, 523 N. Church St., Bozeman, Mont.
7MQ—L. L. Long, Cornelius, Ore.
7MR—R. L. Walley, 3111—37th Pl., Seattle, Wash.
7MS—R. H. Hughes, 1738 Main St., Hillsboro, Ore.
7MT—F. H. Verd, Arlington, Wash.
7MU—P. F. Peyton, 1060 S. Commercial St., Salem, Ore.
7MV—Unassigned
7MW—A. R. Platts, 404 Pleasant Ave., Oregon City, Ore.
7MX—Unassigned
7MY—C. M. Carlquist, 1221 Delaware Ave., Portland, Ore.
7MZ—R. Kiser, Miller St., Wenatchee, Wash.
7NA—E. E. Ames, 703 S. 15th St., Corvallis, Ore.
7NB—F. A. LeSourd, 6307—19th Ave., N.E., Seattle, Wash.
7NC—R. W. Morse, 955—13th Ave., Seattle, Wash.
7ND—Unassigned
7NE—C. J. McClure, 355 Division St., Leavenworth, Wash.
7NF—F. F. Henriot, Winlock, Wash.
7NG—E. F. Floodquist, 634—9th St., Bremerton, Wash.
7NH—Unassigned
7NI—D. Wersen, 1202—2d St., Mt. Vernon, Wash.
7NJ—G. A. Hunter, 518 Willow St., Port Townsend, Wash.
7NK—P. L. Boardwell, Hood River, Ore.
7NL—A. Smith, R. R. A., Troutdale, Ore.
7NM—J. F. Mellinger, 121 Knox Ave., Spokane, Wash.
7NN—D. E. McGee, 616—5th St., Hoquiam, Wash.
7NO—C. A. Maginn, Jr., 422 E. Front St., Aberdeen, Wash.
7NP—Unassigned
7NQ—F. L. Canty, Ratonville, Wash.
7NR—H. V. Koontz, Buffalo, Wyo.
7NS—A. E. Case, 3119 Alabama St., Bellingham, Wash.
7NT—A. R. Willson, 1321 W. Platinum St., Butte, Mont.
7NU—Unassigned
7NV—G. G. Henry, 419 Beckwith Ave., Great Falls, Mont.
7NW—E. L. Clark, 2301 Cherry St., Hoquiam, Wash.
7NX—Unassigned
7NY—J. R. Watson, Route 2, Forest Grove, Ore.
7NZ—R. E. Welch, 606 W. 4th St., Medford, Ore.
7OA—W. Thurber, 300 N St., Hoquiam, Wash.
7OB—K. S. Narquest, R. R. 2, Boise, Idaho
7OC—H. H. Clark, Box 431, Reedsport, Ore.
7OD—Unassigned
7OE—Unassigned
7OF—Unassigned
7OG—Unassigned
7OH—G. S. Feikert, 102 N. 17th St., Corvallis, Ore.
7OI—P. M. Smith, Powell, Wyo.
7OJ—P. E. Hacker, R.F.D. 3, Caldwell, Idaho
7OK—Unassigned
7OL—R. Smith, 202—1st St. S., Burley, Idaho
7OM—H. Woodyard, Sunnyside, Wash.
7ON—Unassigned
7OO—G. O. Leonard 1827—4th Ave., Seattle, Wash.
7OP—J. R. Phillips, Eagle Point, Ore.
7OQ—Unassigned
7OR—D. Ferguson, 3305 S. 8th St., Tacoma, Wash.
7OS—W. A. Germain, 510 Gerard St., Bellingham, Wash.
7OT—B. B. Bliss, Jr., 417 Bannock St., Boise, Idaho
7OU—D. S. Westmoreland, Ilwaco, Wash.
7OV—Unassigned
7OW—Unassigned
7OX—Unassigned
7OY—R. J. Gleason, 1304—62d St., Seattle, Wash.
7OZ—G. Lewis, 1329 Sandy Blvd., Portland, Ore.
7PA—M. B. Doughton, R.F.D. 1, Albany, Ore.
7PB—R. T. Jones, 788 Amherst St., Portland, Ore.
7PC—R. C. Anderson, 3709 S. Alaska St., Tacoma, Wash.
7PD—Unassigned
7PE—C. Hudson, Cloverdale, Ore.
7PF—C. Goudie, 2818 Victor Pl., Everett, Wash.
7PG—Unassigned
7PH—Unassigned
7PI—F. C. Mullen, Box 87, R.F.D. 1, Albany, Ore.
7PJ—H. S. Anderson, 1223 E. State St., Boise, Idaho
7PK—H. M. Bauer, Uniontown, Wash.
7PL—Unassigned
7PM—Unassigned
7PN—R. L. Davis, 8523—12th Ave. N.W., Seattle, Wash.
7PO—G. E. Kinsey, 997 W. 58th St., Seattle, Wash.
7PP—R. H. Wright, 310 Rose St., Portland, Ore.
7PQ—A. E. Hibbard, 102 N. 5th St., Mt. Vernon, Wash.
7PR—L. Harris, 3232—38th Ave. S.W., Seattle, Wash.
7PS—A. Randall, 2802—22d Ave., Seattle, Wash.
7PT—T. J. Maupin, Jr., E. 117—8th St. N., Portland, Ore.
7PU—R. Paterson, 905 Colonial Ave., Portland, Ore.
7PV—W. A. Johnson, 1767 Borthwick St., Portland, Ore.
7PW—Unassigned
7PX—W. C. Eagelson, R.F.D. 4, Boise, Idaho
7PY—M. J. Lizberg, 1210 Jackson St., Oregon City, Ore.
7PZ—W. R. Farquharson, 1735 Chehalis Av., Chehalis, Ore.
7QA—H. M. Hassell, 120 E. 60th St., Seattle, Wash.
7QB—C. E. Harding, 1120 N. 97th St., Seattle Wash.
7QC—H. M. Burcker, 616 Orchard St., Waitsburg, Wash.
7QD—V. Jarl, 641 Pine St., Medford, Ore.
7QE—W. H. Motz, 5214 S. Thompson Ave., Tacoma, Wash.
7QF—S. W. Ostrom, Route 1, Milwaukie, Ore.
7QG—G. R. Salisbury, 1951—3d Ave. W., Seattle, Wash.
7QH—H. M. Raynolds, 3817 Densmore Ave., Seattle, Wash.
7QI—Unassigned
7QJ—E. L. Murphy, 982 Stephens St., Portland, Ore.
7QK—A. L. Leaf, 1222 S. 2d St., Mt. Vernon, Wash.
7QL—Unassigned
7QM—R. E. Schneider, 628½—1st St., Portland, Ore.
7QN—A. Z. Lillian, 620—21st Ave. N., Seattle, Wash.
7QO—O. Pence, 5247 Brandon St., Seattle, Wash.
7QP—Unassigned
7QQ—Unassigned
7QR—Unassigned
7QS—Unassigned
7QT—C. J. Hurd, Route 2, Corvallis, Ore.
7QU—F. R. Cartan, 239 Kings Rd., Corvallis, Ore.
7QV—Unassigned
7QW—J. Isham, 820 Dalton Ave. W., Spokane, Wash.
7QX—J. E. Smith, 213 N. B St., Aberdeen, Wash
7QY—R. L. Norgrad, 720 Maryland Ave., Portland, Ore.
7QZ—L. E. Coombs, Colton, Wash
7RA—J. Soderstrom, E County Rd., Montesano, Wash.
7RB—J. R. Todd, 3615 E. F St., Tacoma, Wash.
7RC—R. N. Gilboy, 2216 G St., Bellingham, Wash.
7RD—L. Bellarts, 722 E. 13th St., Portland, Ore.
7RE—N. H. Foster, R.F.D. 1, Edmonds, Wash.
7RF—H. E. Nelson, Onalaska, Wash.
7RG—Unassigned
7RH—Unassigned
7RI—Unassigned
7RJ—G. O. Campbell, 2443—5th Ave. W., Seattle, Wash.
7RK—G. W. Selvidge, 3601 Colorado St., Seattle, Wash.
7RL—Unassigned
7RM—Unassigned
7RN—K. Paton, Cashmere, Wash.
7RO—R. C. Heitkemper, 439 R. 10th St. N., Portland, Ore.
7RP—E. R. Simpson, 1004 S. Leonard St., Portland, Ore.
7RQ—Unassigned
7RR—W. S. Higgins, Los Neitor, Calif.
7RS—Unassigned
7RT—N. G. Reetz, Junction City, Ore.
7RU—N. J. Brick, 673 Johnson St., Portland, Ore.
7RV—W. Norton, 6523—45th Ave., Portland, Ore.
7RW—Unassigned
7RX—Unassigned
7RY—J. A. DePartee, 710 E. Rose St., Walla Walla, Wash.
7RZ—Unassigned
7SA—D. K. Tower, 1615—35th Ave., Seattle, Wash.
7SB—Unassigned
7SC—W. A. C. Hemrich, 916 Hume St., Aberdeen, Wash.
7SD—Unassigned
7SE—R. Kick, 3802 Hoyt Ave., Everett, Wash.
7SF—E. E. Griggs, 1518—1st St., Aberdeen, Wash.
7SG—D. Harris, 1711 Simpson St., Aberdeen, Wash.
7SH—A. J. Homchick, 904—1st St., Aberdeen, Wash.
7SI—Unassigned
7SJ—R. P. Heatlie, 324 F St., Aberdeen, Wash.
7SK—Unassigned
7SL—Unassigned
7SM—C. I. Hanes, 9323—54th Ave. S., Seattle, Wash.
7SN—R. G. Wagher, 760—12th Ave., Seaside, Ore.
7SO—W. L. Denman, 142—11th St., Corvallis, Ore.
7SP—Unassigned
7SQ—W. V. Russ, 831 Michigan Ave., Portland, Ore.
7SR—R. S. Bean, 579 E. 9th St., Eugene, Ore.
7SS—Unassigned
7ST—M. C. Knight, 3645—35th St. W., Seattle, Wash.
7SU—J. A. Kindle, 230 Sam St., Monroe, Wash.
7SV—J. Jaynes, 468 Market St., Portland, Ore.
7SW—C. M. Landaker, R.F.D. 4, Box 17-A, Salem, Ore.
7SX—F. A. Johnson, 321 Russell St., Portland, Ore.
7SY—G. M. de Brockert, 345 Mill St., Eugene, Ore.
7SZ—F. M. Curtin, E. 618 Wabash Ave., Spokane, Wash.
7TA—R. K. Leonard, 421 N. Belmont St., Seattle, Wash.
7TB—Unassigned
7TC—G. C. Perry, 3712 Woodlawn Ave., Seattle, Wash.
7TD—J. W. Charles, 1040 Utah St., Butte, Mont.
7TE—Unassigned
7TF—V. I. Craft, 6838—19th Ave. N.E., Seattle, Wash.
7TG—M. E. Tait, 931 Thurman St., Portland, Ore.
7TH—A. W. Enigh, 335 Grove St., Walla Walla, Wash.
7TI—Unassigned
7TJ—C. A. Lockwood, 247 N. Commercial St., Salem, Ore.
7TK—F. T. Thompson, McEntyre Apts., Burley, Idaho
7TL—Unassigned
7TM—Unassigned
7TN—J. B. Darragh, Jr., 2560—5th Av. W., Seattle, Wash.
7TO—A. Herner, 321 E. 23d St., Portland, Ore.
7TP—Unassigned
7TQ—H. H. Howell, Route 2, Box 15, Medford, Ore.
7TR—Unassigned
7TS—J. Pollak, 811 Washington St., Albany, Ore.
7TT—W. E. Burke, 7126—54th Ave. S.E., Portland, Ore.
7TU—W. H. Barrett, 802 S. Anderson St., Tacoma, Wash.
7TV—H. D. Hall, Cascade, Mont.
7TW—L. G. Ferry, R.F.D. 1, Eugene, Ore.
7TX—H. R. Fullerton, 210½ N. Minor St., Seattle, Wash.
7TY—Unassigned
7TZ—Unassigned
7UA—R. A. Cook, 1414 E. Valley St., Seattle, Wash.
7UB—Unassigned
7UC—G. T. Mood, 3234 Belvidere Ave., Seattle, Wash.
7UD—D. R. Packard, 3d Ave., Laconner, Wash.
7UE—G. H. Clinefelter, 2d & C Sts., Oswego, Ore.
7UF—I. Wallin, Chignik, Alaska
7UG—Unassigned
7UH—Unassigned
7UI—Unassigned
7UJ—Unassigned
7UK—Unassigned
7UL—J. Hohenberg, 1434—20th Ave., Seattle, Wash.
7UM—B. Casler, 3306 W. 71st St., Seattle, Wash.
7UN—Unassigned
7UO—M. F. Judkins, 2125—7th Ave., Seattle, Wash.
7UP—Unassigned
7UQ—Unassigned
7UR—C. M. Cruikshank, Jr., 626—5th, N., Glasgow, Mont
7US—Unassigned
7UT—E. J. Overman, 877 Cleveland St., Portland, Ore.
7UU—R. Waskey, 7213—28th Ave., Seattle, Wash.
7UV—Unassigned
7UW—J. Wisner, 322—5th St., McMinnville, Ore.
7UX—Unassigned
7UY—L. F. Kempfle, Glasgow, Mont.
7UZ—H. K. Lawson, 206—N. 7th St., Corvallis, Ore.
7VA—D. Hartman, 110 Carlisle St., Onalaska, Wash.
7VB—Unassigned
7VC—L. Buchanan, 2232 Xenia St., Bellingham, Wash.
7VD—B. N. Beigle, Kalama, Wash.
7VE—H. J. Carey, 289 Ivy St., Portland, Ore.
7VF—B. W. Powell, 419 N. 12th St., Corvallis, Ore.
7VG—Unassigned
7VH—Unassigned
7VI—F. G. Bardfeld, 666 E. 46th St. N., Portland, Ore.
7VJ—Unassigned
7VK—K. Golden, 402 Sanson Ave., Hillyard, Wash.
7VL—Unassigned
7VM—R. Boey, 2123—4th Ave. W., Seattle, Wash.
7VN—D. Huntington, Kalama, Wash.
7VO—M. K. Baughman, 205 S. Central, Medford, Ore.
7VP—Unassigned
7VQ—Unassigned
7VR—J. C. Nelson, Richland Highlands, Wash.
7VS—T. Elmsen, 1609 Virginia St., Portland, Ore.
7VT—Unassigned
7VU—Unassigned
7VV—Unassigned
7VW—Unassigned
7VX—G. L. Freeman, 5411 S. L St., Tacoma, Wash.
7VY—Unassigned
7VZ—Unassigned
7WA—W. A. Oberst, 17 W. Sinto St., Spokane, Wash.
7WB—Unassigned
7WC—E. M. Hanford, 825 E. State St., Boise, Idaho
7WD—R. S. Burgheffer, 1215 Taylor St., S., Bellingham, Wash.
7WE—C. E. Munsell, 115 S. Emerson St., Wenatchee, Wash.
7WF—P. E. Meland, 615 Boren Ave., Seattle, Wash.
7WG—Unassigned
7WH—Unassigned
7WI—Unassigned
7WJ—Unassigned
7WK—H. S. Westerlund, 467 Sumner St., Portland, Ore.
7WL—B. G. Griffith, 7604—59th Ave., S. E., Portland, Ore.
7WM—T. W. Bentz, 1255 So. Grant St., Tacoma, Wash.
7WN—C. P. Savage, Jr., 6029—44th, S. E., Portland, Ore.
7WO—P. Kler, 999 Borthwick St., Portland, Ore.
7WP—M. Amdahl, 443, Great Falls, Mont.
7WQ—H. C. Coxon, 2631—43rd St., Portland, Ore.
7WR—Unassigned
7WS—H. W. Shane, 1103 Highland Dr., Bremerton, Wash.
7WT—L. F. Caldwell, 303½ Water St., Portland, Ore.
7WU—Unassigned
7WV—Unassigned
7WW—W. J. Mead, Mehalem, Ore.
7WX—G. C. Miller, 3615 E. F St., Tacoma, Wash.
7WY—L. C. Graham, 812 Terrace Ave., Aberdeen, Wash.
7WZ—M. A. Obradovic, 5103 Meridian, Seattle, Wash.

Special Radio Stations of the Seventh District

7XA—Independent School Dist. No. 1, Boise, Idaho
7XB—Mont. State College, Bozeman, Mont.
7XC—V. I. Kratt, 6838—19th Ave., N.E., Seattle, Wash.
7XD—Polytechnic Institute, Billings, Mont.
7XE—Radio Corpn. Shops, 512 Maritime Bldg., Seattle, Wash.
7XF—N. W. Radio Mfg. Co., 1556 E. Taylor, Portland, Ore.
7XG—W. P. Hawley, Jr., 400 E. 22d, N., Portland, Ore.
7XH—Oregon Agricultural College, Corvallis, Ore.
7XI—Hallock & Watson Radio Service, 192 Park St., Portland, Ore.
7XJ—C. W. Peterson, 2922—3d Ave., Seattle, Wash.
7XK—K. & C. Mfg. Co., 3450 E. Marginal Way, Seattle, Wash.
7XL—Northwestern Elec. Co., Wash. at 10th, Portland, Ore.
7XM—Montana Power Co., Butte, Mont.
7XN—Thompson Falls Power Co., Thompson Falls, Mont.
7XO—Great Falls Power Co., Rainbow, Mont.
7XQ—N. W. Electric Co., Portland, Ore.
7XR—L. Wasmer, 301 Pine St., Seattle, Wash.
7XS—B. Lab, 2048B—42nd Ave., N., Seattle, Wash.
7XT—Western Radio Inc., 1121 Pine St., Seattle, Wash.
7XX—Kilbourne & Clark Mfg Co., Seattle, Wash.
7XZ—University of Washington, Seattle, Wash.
7YA—Independent School Dist. No. 1, Boise, Idaho
7YB—University of Oregon, Eugene, Ore.
7YC—Y. M. C. A., Seattle, Wash.
7YD—Knights of Columbus Eve. Sch., Seattle, Wash.
7YE—Broadway High School, Seattle, Wash.
7YG—Y. M. C. A., Portland, Ore.
7YH—Wash. High School, Portland, Ore.
7YI—Billings Polytechnic Institute, Polytechnic, Mont.
7YJ—Oregon Agri. College, Corvallis, Ore.
7YK—Benson Poly. Inst., 12th & Hoyt Sts., Portland, Ore.
7YL—North Cent. H. Sch., Howard & Nora Sts., Spokane, Wash.
7YM—Lincoln High Sch., Interlaken & 43d, Seattle, Wash.
7YO—Tacoma City College, Tacoma, Wash.
7YQ—Enumclaw High School, Enumclaw, Wash.
7YS—St. Martin's College, Lacy, Wash.
7ZA—H. B. Read, Cascade Ave., Hood River, Ore.
7ZB—W. A. Leidigh, Jr., 555—41th St., Portland, Ore.
7ZC—F. C. Ashall, 536 N. Warren St., Helena, Mont.
7ZD—R. E. Dawes, Box 663, Bozeman, Mont.
7ZE—G. S. Feikert, 402 N. 17th St., Corvallis, Ore.
7ZF—F. F. Gray, Butte, Mont.
7ZG—W. E. Slauson, Douglas, Wyo.
7ZH—O. M. Heacock, Enterprise, Ore.
7ZJ—R. Mumford, Vancouver, Wash.
7ZK—V. J. Bird, 706 W. 12th St., Vancouver, Wash.
7ZL—H. E. Cutting, Bozeman, Mont.
7ZM—J. Woodworth, Moscow, Idaho
7ZO—F. C. Ashall, 536 N. Warren St., Helena, Mont.
7ZP—E. W. Wilson, 2201 Columbia St., Olympia, Wash
7ZQ—V. K. Roberts, 40 Olive St., Helena, Mont.
7ZS—H. E. Allen, Pullman, Wash.
7ZT—G. R. Criteser, 967 Vernon Ave., Portland, Ore.
7ZU—G. E. West, Polytechnic, Mont.
7ZV—F. Thompson, Douglas, Wyo.
7ZX—L. C. Maybee, 110 So. 7th St., Pasco, Wash.

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Amateur Radio Stations of the Eighth District

Headquarters, Federal Bldg., Detroit, Michigan. The eighth district comprises all the counties of New York not included in the second district. All the counties of Pennsylvania not included in the third district, the states of West Virginia and Ohio and the lower Peninsula of the State of Michigan.

8AAA—C. E. Nichols, 739 Weadock Ave., Lima, O.
8AAB—R. L. Osborne, R. F. D. 4, Mt. Clemens, Mich.
8AAC—H. K. Wilder, 119 Garrison, Battle Creek, Mich.
8AAD—J. C. Arns, 801 Wyoming Ave., Lockland, O.
8AAE—Westinghouse Elec. & Mfg. Co., Detroit, Mich.
8AAF—W. Mason, 421 High St., S. Brownsville, Pa.
8AAG—C. A. Long, 516 5th St., Oakmount, Pa.
8AAH—H. T. Dalrymple, 157 W. State St., Akron, O.
8AAI—G. W. Davis, 403 N. Main St., Coudersport, Pa.
8AAJ—H. H. Brokate, 217 Wsh., St., Port Clinton, O.
8AAK—F. W. Benskin, 1410 Fulton R., Canton, O.
8AAL—J. M. Holhoy, 1427 Homer St., Canton, O.
8AAM—R. H. Koehler, 424 Stokes Ave., Braddock, Pa.
8AAN—E. Brownell, 321 Cooper St., Utica, N. Y.
8AAO—A. L. Ball, W. Liberty St., Hubbard, O.
8AAP—R. C. Hodges, 917 Oak St., Columbus, O.
2AAQ—M. A. Monoghan, Jr., 1437 Woodward, Lakewood, O.
8AAR—M. Stebbens, R. F. D. 2, Saranac, Mich.
8AAS—K. L. Burrneman, 53 Main St., Owego, N. Y.
8AAT—R. A. Ohle, Box 82, Hadley, Pa.
8AAU—O. J. Gravatt, R. F. D. 46, Greenville, Pa.
8AAV—L. E. Clark, Bentley Ave., Hubbard, O.
8AAW—H. E. Kenny, 911 Elmwood Ave., Buffalo, N. Y.
8AAX—W. F. Ehrick, 218 W. Lucas St., Bucyrus, O.
8AAY—G. A. Cooke, 308 Montgomery, Marietta, O.
8AAZ—V. L. Miller, 209 Clarendon Ave., Canton, O.
8AB—J. I. Bell, 819 Wall St., Port Huron, Mich.
8ABA—J. M. Staude, 119 Quincy Ave., Pittsburgh, Pa.
8ABB—J. K. Swartz, 1135 Wisconsin Ave., Dormont, Pa.
8ABC—O. S. Finch, 3 Riverview Rd., Port Dickinson, N. Y.
8ABD—A. Menkhaus, 1926 Westwood, Cincinnati, O.
8ABE—B. C. Fidler, Jr., 120 Water St., Chrichsville, O.
8ABF—W. B. Sanger, 24 W. Frames St., Columbus, O.
8ABG—A. R. Berrisford, 515 Stewart Ave., Ithaca, N. Y.
8ABH—A. K. Harvey, 1634 Capouse Ave., Scranton, Pa.
8ABI—W. S. Patton, 539 Brownville, Pittsburgh, Pa.
8ABJ—O. E. Swanson, 184 Bath St., Elyria, O.
8ABK—J. E. Terry, 1262 Beach Ct., Lakewood, O.
8ABL—R. W. Harris, 1099 Big Falls Ave., Akron, O.
8ABM—H. W. Harmon, 418 Poplar St., Grove City, Pa.
8ABN—J. F. Hamilton, 842 Jefferson Ave., Buffalo, N. Y.
8ABO—M. A. Neff, 300 Maple Ave., Birmingham, Mich.
8ABP—H. S. Weber, 1113 Walnut St., Dover, O.
8ABQ—M. T. Spence, 202 Reynolds, Charleston, W. Va.
8ABR—G. Rouston, 527 Chalmers Ave., Detroit, Mich.
8ABS—B. C. Anglo, Cummings Ave., Connellsville, Pa.
8ABT—W. R. Jameson, 1019 Rex Ave., Canton, O.
8ABU—H. H. Bradley, R. F. D. 5, S. Haven, Mich.
8ABV—R. E. Stowe, 623 Grand Ave., Dayton, O.
8ABW—R. C. Barlow, 1018 Beech St., McKeesport, Pa.
8ABX—J. J. Long, Jr., S. Main St., Canandaigua, N. Y.
8ABY—A. P. Quecke, 472 Forest St., Columbus, O.
8ABZ—D. R. Axford, 69 Mechanic St., Oxford, Mich.
8AC—R. W. Stevenson, 18 Market St., Rochester, N. Y.
8ACA—I. W. Briggs, 57 North St., McGraw, N. Y.
8ACB—A. D. Lewis, Glenlyon, Pa.
8ACC—R. H. Rahney, 516 E. Main St., Massillon, O.
8ACD—H. J. Cooper, R. F. D. 5, Slippery Rock, Pa.
8ACE—E. Van Preenon, 805 Minor Ave., Kalamazoo, Mich.
8ACF—T. W. MacNary, 27 Highland, Washington, Pa.
8ACG—G. H. Hammer, 507 Wash. St., Oakmont, Pa.
8ACH—J. A. Victoreen, 11302 Euclid Ave., Cleveland, O.
8ACI—R. Schermerhorn, 227 Weldon St., Rochester, N. Y.
8ACJ—J. Harmon, 714 Literary Rd., Cleveland, O.
8ACK—W. D. Wenger, 1076 Linden Ave., Dayton, O.
8ACL—W. F. Agee, 829 Gallia St., Portsmouth, O.
8ACM—W. E. Bostwick, 206 Willard Way, Ithaca, N. Y.
8ACN—W. J. Root, 17853 Lake St., Lakewood, O.
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8APO—E. A. Fattey, R. F. D., No. 3, Boston, N. Y.
8APP—H. W. Hanesworth, 235 Mithoff St., Columbus, O.
8APQ—W. E. Lore, Jr., 124 Webb St., Detroit, Mich.
8APR—S. Rieman, 2287 Loth St., Cincinnati, O.
8APS—C. H. Geerlings, 90 W. 14th St., Holland, Mich.
8APT—J. B. Moore, 1364 Drexel Ave., Detroit, Mich.
8APU—H. E. Diewendorf, Grand Palatine Bridge, N. Y.
8APV—F. Dieringer, 3640 Mozart Ave., Cheviot, O.
8APW—L. E. Caldwell & R. J. Lewis, 12511 Phillips Ave., E. Cleveland, O.
8APX—W. Famariss, 7817 Hamilton Ave., Pittsburgh, Pa.
8APY—H. J. Humphrey, 1819 E. 97th St., Cleveland, O.
8APZ—C. C. Jones, Main St., Clayton, O.
8AQ—J. P. Lippert, 1621 Etheron Ave., E. Cleveland, O.
8AQL—K. W. Miles, 627 Pipestone, Benton Harbor, Mich.
8AQI—E. W. Wessolman, 2621 Reading, Cincinnati, O.
8AQO—W. D. Forbey, 309 W. Kearsley St., Flint, Mich.
8AQI—H. L. Norton, 810 Broadway St., Bedford, O.
8AQJ—R. W. Brinkman, 2616 Dennis St., Cincinnati, O.
8AQI—H. Isaacs, 410 Warren St., Marietta, O.
8AQO—V. C. Henophy, 114 Lowell St., Rochester, N. Y.
8AQI—W. C. Vining, 283 W. College St., Oberlin, O.
8AQI—A. W. Paull, Jr., Bethany Pike, Wheeling, W. Va.
8AQJ—F. Uhrhane, 628 4th St., Marietta, O.
8AQI—J. Nolan, State St., Bowerston, O.
8AQI—C. W. Brestle, 1 Ingram Ave., Crafton, Pa.
8AQN—B. Donion, 119 Thompson St., Buffalo, N. Y.
8AQN—Olds Rod & Gun Club, Smethport, Pa.
8AQO—J. E. Page, Cazenovia, N. Y.
8AQP—H. M. Haskell, Pleasantville, Pa.
8AQQ—R. H. Shenk, 232 W. 21st St., Erie, Pa.
8AQR—H. D. Osgood, 3357 Calvert Ave., Detroit, Mich.
8AQS—J. F. Weiss, 648 Park Ave., Amherst, O.
8AQT—P. J. Poland, 347 W. McMillan St., Cincinnati, O.
8AQU—L. Makley, 441 N. Front St., St. Marys, O.
8AQV—E. M. King, 181 Elliott St., Clarksburg, W. Va.
8AQW—F. J. Armbruster, 30 Hollister St., Buffalo, N. Y.
8AQX—J. E. Wilson, 213 Ohio St., Avalon, Pa.
8AQY—R. Stark, 313 Wood St., Painesville, O.
8AQZ—J. A. Perry, McClure, O.
8AR—H. F. Tank, 8038 Ferndale Ave., Detroit, Mich.
8ARA—G. L. MacCracken, 185 Dodge St., Akron, O.
8ARB—R. S. Tener, 179 Breading St., Ben Avon, Pa.
8ARC—W. P. Reinoehl, R. F. D. No. 2, Custer, Mich.
8ARD—E. W. Wolf, 3819 Robert St., Cleveland, O.
8ARE—W. C. Durbin, 148 Crosby, Brentwood Boro, Pa.
8ARF—R. F. Schilling, 108 Fort St., Marietta, O.
8ARG—V. L. Miller, 61 Park Ave., Brockport, N. Y.
8ARH—N. C. Reynolds, 105 Krettner St., Buffalo, N. Y.
8ARI—W. F. Widnor, 721 Wheeler Ave., Scranton, Pa.
8ARJ—O. Meiselback, 401 Franklin Ave., Bay City, Mich.
8ARK—G. A. Nay, 725 Virginia Ave., Fairmont, W. Va.
8ARL—T. R. Carter, 1722 Whitney Ave., Niagara Falls, O.
8ARM—G. Anderson, 403 Jefferson St., Port Clinton, O.
8ARN—H. T. Jenkins, 5625 Vinewood Ave., Detroit, Mich.
8ARO—R. Moorhead, Allen Town, R.F.D. 9, Findlay, O.
8ARP—V. E. Ball, 52 Hammerschmidt St., Buffalo, N. Y.
8ARQ—R. Dando, 35 Miami Blvd., Dayton, O.
8ARR—E. Hughes, 4340 W. Warren Ave., Detroit, Mich.
8ARS—Union Central Life Ins. Co., 425 Union Central Bldg., Cincinnati, O.
8ART—H. J. Kohli, Chatham, O.
8ARU—F. Foxall, 31—18th St., Ruffalo, N. Y.
8ARV—J. J. Elias 6371 Army St., Detroit, Mich.
8ARW—E. Spon, 555 N. Oakland Ave., Sharon, Pa.
8ARX—D. H. Zorger, 1215 Sheffield St., Pittsburgh, Pa.
8ARY—C. C. Hines, 2325 Cass Ave., Detroit, Mich.
8ARZ—T. Gallo, DuBois, Pa.
8AS—J. R. Wieneke, 406 Boston Blvd., W. Detroit, Mich.
8ASA—C. Carmean, 633 W. 5th St., Marysville, O.
8ASB—E. Doherr, 704 Washington Ave., Monaca, Pa.
8ASC—R. S. Weeks, Ridge St., Richmond, Mich.
8ASD—G. M. Gilbert, 746 Chenango, Binghamton, N. Y.
8ASE—S. E. Pence, Pleasant Valley, Wheeling, W. Va.
8ASF—L. C. Horton, 3011 Coryden, Cleveland Hts., O.
8ASG—K. R. Smith, 302 W. Center St., Elmira, N. Y.
8ASH—W. L. Fisher, 642 Upson St., Akron, O.
8ASI—B. A. Kendig, 23 King St., Rochester, N. Y.
8ASJ—C. E. White, 83 Washington St., Binghamton, N. Y.
8ASK—C. W. Huff, 737 W. 1st St., Elmira, N. Y.
8ASL—B. C. Belden, 160 Temple St., Fredonia, N. Y.
8ASM—W. H. Vogler, 4140 Concord Ave., Detroit, Mich.
8ASN—M. A. Rawson, 128 Bath St., Elyria, O.
8ASO—E. H. Collian, 218 Connecticut Ave., Detroit, Mich.
8ASP—F. E. Nicholson, 1220 Highland, Syracuse, N. Y.
8ASQ—R. D. Jobes, 975 N. Goodman St., Rochester, N. Y.
8ASR—H. J. Rowe, 6701 Madison Ave., Cleveland, O.
8ASS—R. L. Chambordon, Brachurn, Pa.
8AST—S. C. Church, 408—2nd North St., Syracuse, N. Y.
8ASU—T. J. Rowland, So. Euclid, O.
8ASV—H. C. Kauffman, 145 A St., Lorain, O.
8ASW—F. W. Foye, 7003 Superior Ave., Cleveland, O.
8ASX—G. Powell, Lillison St., Romeo, Mich.
8ASY—L. J. Marcus, 131 S. Union St., Olean, N. Y.
8ASZ—J. A. Moore, 248 S. Balch St., Akron, O.
8AT—F. J. Dickerson, 8129 Dexter Blvd., Detroit, Mich.
8ATA—H. W. Bower, 4316 High St., Ecorse, Mich.
8ATB—W. M. McCoy, 2925 Espy St., Dormant, Pa.
8ATC—S. A. Murray, Jr., 1227—10th, Huntington, W. Va.
8ATD—J. M. Chamberlain, 238 Ninth St., Elyria, O.
8ATE—W. A. Potter, 222 Crapo St., Alpena, Mich.
8ATF—W. Trine, 524 Ash St., Scranton, Pa.
8ATG—L. C. Norton, 91 Elliot St., Detroit, Mich.
8ATH—V. C. Kier, 302 Wood St., Wilmington, O.
8ATI—V. E. Crofton, 1106 Columbia Ter., Parkersburg, W. Va.
8ATJ—V. A. Merkel, 211 Greendale Ave., Clifton, Cin'l, O.
8ATK—S. W. Townsend, Akron, O.
8ATL—C. Brettschneider, 6059 30th St., Detroit, Mich.
8ATM—H. Bull, 701 W. Ionia St., Lansing, Mich.
8ATN—S. A. Chamberlain, 166 Grand Ave., E., Highland Park, Mich.
8ATO—A. Schaub, Provemont, Mich.
8ATP—H. Bays, 6th Ave., S. Charleston, W. Va.
8ATQ—E. A. Hickson, 1253 Brockley Ave., Lakewood, O.
8ATR—L. S. Whitmore, 110 Dartmouth, Rochester, N. Y.
8ATS—B. E. Rask, Jr., 4 Andrian Ave., W., View, Pa.
8ATT—G. W. Sawyer, 356 Hazlewood St., Sidney, O.
8ATU—V. G. Wiley, 119 Dallas St., Sidney, O.
8ATV—Shaker Heights High School, S. Woodland & Southington, Cleveland, O.
8ATW—C. J. Mack, 49 McGovern Ave., Ashtabula, O.
8ATX—J. Hampton, 26 Mechanic St., Pontiac, Mich.
8ATY—H. W. Jaehn, 259 Walbridge Ave., Toledo, O.
8ATZ—G. Murphy, 20 Walnut St., Salem, O.
8AU—C. A. Ingals, 90 S. Linwood Ave., Crafton, Pa.
8AUA—T. J. Lynch, 235 Donahue St., Cincinnati, O.
8AUB—R. W. Scott, R. F. D. No. 6, E. Toledo, O.
8AUC—A. Coe, 134 Fourth St., Wyandotte, Mich.
8AUD—S. Ventimiglia, 1024 J. Campau, Detroit, Mich.
8AUE—J. L. Bock, Mill St., Farmington, W. Va.
8AUF—E. M. Wilson, 159 Burlington St., Rochester, N. Y.
8AUG—E. C. Sutor, 360 Fargo Ave., Buffalo, N. Y.
8AUH—D. Mahaffey, 171 Dennison Parkway, Corning, N. Y.
8AUI—K. H. Keller, 1517 E. Blvd., Cleveland, O.
8AUJ—P. Frantz, 1725 E. 89th St., Cleveland, O.
8AUK—C. G. Chapel, 430 Almyra Ave., Youngstown, O.
8AUL—R. D. Craig, 4414 Water St., Wheeling, W. Va.
8AUM—C. E. Bassett, 906 N. Part St., Kalamazoo, Mich.
8AUN—Q. H. Ryder, 231 E. Temple St., Owego, N. Y.
8AUO—R. G. Jacobus, 312 Beakes St., Ann Arbor, Mich.
8AUP—J. Kucera, 3459 East Blvd., Cleveland, O.
8AUQ—S. Tucker, Marlette, Mich.
8AUR—K. Williams, 729 W. Franklin St., Jackson, Mich.
8AUS—C. Boltz, 3829 Memphis Ave., Cleveland, O.
8AUT—H. P. Davis, 1125 Forest Rd., Lakewood, O.
8AUU—T. L. Witter, 1614 Shorb Ave., N. W., Canton, O.
8AUV—H. J. Hill, 1372 W. 85th St., Cleveland, O.
8AUW—V. G. Wiley, 119 Dallas St., Sidney, O.
8AUX—G. Z. Jackson, 1289 W. 76th St., Cleveland, O.
8AUY—E. H. Kumpf, Crittenden, N. Y.
8AUZ—E. Brandt, 3568 Fulton Rd., Cleveland, O.
8AV—J. D. Haynes, 266 Preston Rd., Columbus, O.
8AVA—M. Duffy, 314 S. Cavalry Ave., Detroit, Mich.
8AVB—V. Schneider, 48 Rockingham St., Toledo, O.
8AVC—H. W. Abell, 177—11th Ave., Columbus, O.
8AVD—F. Tappan, 547 Clark St., Waverly, N. Y.
8AVE—K. W. Busch, 637 Englewood Ave., Buffalo, N. Y.
8AVF—Niles High School, Church & Arlington, Niles, O.
8AVG—A. Z. Blair, Jr., 5th & Courth Sts., Portsmouth, O.
8AVH—R. Lynn, 211 High St., Xenia, O.
8AVI—K. Breon, 138 Washington St., Williamsport, Pa.
8AVJ—O. Miller, 47 Barclay St., Canajoharie, N. Y.
8AVK—F. Evers, East Main St., East Aurora, N. Y.
8AVL—H. F. Butler, 456 Mahoning St., Lehighton, Pa.
8AVM—W. B. Hargraves, 1223 N. Howard St., Akron, O.
8AVN—R. M. Mason, 512 Holmes Ave., Lima, O.
8AVO—H. L. Glenn, 356 W. 7th Ave., Columbus, O.
8AVP—E. H. Brigham, 305 Woodbridge, Buffalo, N. Y.
8AVQ—P. J. Smith, 601 S. Main St., Charlotte, Mich.
8AVR—H. E. Hotaling, 14 Gold St., Gloversville, N. Y.
8AVS—W. C. Babcock, 112 Head St., Penn Yan, N. Y.
8AVT—H. Kinney, 2857 Lichfield Rd., Shaker Hghts., Cleveland Hgts., O.
8AVU—J. L. Pollard, 302 American Ave., Butler, Pa.
8AVV—J. W. Walter, 3201 W. 88th St., Cleveland, O.
8AVW—G. L. Rhodes, St. Albans, W. Va.
8AVX—H. C. Walborn, 927 Greyton, Cleveland Hgts, O.
8AVY—C. H. Allen, 13 Krutz Ave., Lancaster, N. Y.
8AVZ—J. H. Terbrack, 3169 W. 90th St., Cleveland, O.
8AW—J. J. Lipko, 41 Cleveland St., Hudson, Pa.
8AWA—W. A. May, Jr., 5807 Solway St., Pittsburgh, Pa.
8AWB—K. Stettinins, Lakemont, N. Y.
8AWC—W. Y. Sandison, 1181 N. Lockwood, E. Cleve., O.
8AWD—F. Peters, Jr., 1825 Rosalind Ave., E. Cleve., O.
8AWE—A. B. Cozzens, 13306 Claiborne Ave., E. Cleve., O.
8AWF—E. M. Prentke, 10013 Somerset Ave., Cleveland, O.
8AWG—M. Benskin, 1410 Fulton Rd., N. W., Canton, O.
8AWH—N. Heyn 2214 Barber Ave., Cleveland, O.
8AWI—J. H. Culbertson, 901 Quincy St., Scranton, Pa.
8AWJ—J. F. Corcoran, 118 Hamilton, Ogdensburg, N. Y.
8AWK—J. Shugard, 11815 Miles Ave., Cleveland, O.
8AWL—E. C. Shepherd, 912 Central St., Sandusky, O.
8AWM—J. Kuenhold, 2733 Endicott Rd., Cleveland, O.
8AWN—C. A. Petry, R. F. D. 1, Box 346, Dayton, O.
8AWO—M. Ballard, R. F. D. No. 1, Bedford, Mich.
8AWP—S. Woodworth, 425 Brownell St., Syracuse, N. Y.
8AWQ—F. T. Schell, Galloway & Pleasant Sts., Xenia, O.
8AWR—F. Steele, 230 Georgia Ave., Lorain, O.
8AWS—J. D. Colvin, 111 George Ave., Parsons, Pa.
8AWT—A. Eckhart, Jr., 1917 W. 65th St., Cleveland, O.
8AWU—W. S. Heston, 127 Wilson Ave., Columbus, O.
8AWV—W. A. McCormick, 566 N. Detroit St., Xenia, O.
8AWW—G. A. Palmer, 102 Groveland St., Oberlin, O.
8AWX—V. D. Gettys, Warren, O.
8AWY—M. D. Van Horn, 233 Washington, Geneva, N. Y.
8AWZ—Rev. C. L. White, Main St., Stockdale, O.
8AX—L. E. Larson, 68 Oliver St., N. Tonawanda, N. Y.
8AXA—F. Foster, Jr., 387 Osceola St., Kingston, Pa.
8AXB—A. Hubner, 414 Herman St., Cincinnati, O.
8AXC—E. Manley, 328 4th St., Marietta, O.
8AXD—F. H. Biever, 707 W. Water St., Smethport, Pa.
8AXE—C. J. Collom, 1004 Smith St., Essexville, Mich.
8AXF—W. Sayles, Huron St., Milan, O.
8AXG—K. R. Greenwood, 12 Ericson Niagara Falls, N. Y.
8AXH—L. H. Schramm, 216 W. Utica St., Buffalo, N. Y.
8AXI—C. E. Howland, 1027 Madison St., Syracuse N. Y.
8AXJ—H. B. Sturgill, 362 Markenson St., Columbus, O.
8AXK—F. Walker, 2612 Marsh, S. Norwood, Cincinnati, O.
8AXL—R. G. McHugh, 35 Taynton, Binghamton, N. Y.
8AXM—M. J. Columbo, 26 River St., Plattsburgh, N. Y.
8AXN—A. R. Dean, Royston, N. Y.
8AXO—H. E. Kohler, 50 Van Vorst St., Utica, N. Y.
8AXP—L. H. Reiner, 511 Miller Ave. Columbus, O.
8AXQ—A. L. Voegele, 36 W. Main St., Lancaster, N. Y.
8AXR—C. & J. Herrick, Aurora Rd., Twinsburg, O.
8AXS—D. Gell, 2245 E. 103d St., Cleveland, O.
8AXT—E. Hanson, 688 Carlysle St., Akron, O.
8AXU—R. A. Marshall, Cazenovia, N. Y.
8AXV—J. L. Boyd, 1024 Maple Ave., Wilmerding, Pa.
8AXW—E. E. Aker, Old Troy Pike, Phoneton, O.
8AXX—C. Galbreth, 202 E. Main St., Union N. Y.
8AXY—H. B. Fawcett, 512 Cottage Ave., Fremont, W. Va.
8AXZ—E. E. Pearson, 515 St. Louis St., Toledo, O.
8AY—A. J. Cramer, Jr., 141 Hoyt St., Buffalo N. Y.
8AYA—W. E. Cross, 2872 W. 12th St., Cleveland, O.
8AYB—H. E. Frost, 32 Hensey Ave., Buffalo, N. Y.
8AYC—J. G. Goedel, 409 Norman Ave., Fonora, Pa.
8AYD—A. V. McNamer, 97 W. Northwood, Columbus, O.
8AYE—W. E. Langworthy, 32 Crombie St., Rochester, N.Y.
8AYF—V. M. French, Division St., Ashtabula, O.
8AYG—F. J. Kaehni, 3267 Scranton Ave., Cleveland, O.
8AYH—R. Leary, 15 Vernon Place, Buffalo, N. Y.
8AYI—T. G. Brown, 428 State St., Traverse City, Mich.
8AYJ—L. J. Ream, 218 W. Washington, Kalamazoo, Mich.
8AYK—R. Durdam, R. F. D. No. 3, Stafford N. Y.
8AYL—E. Savage, 1447 Lincoln Ave., Lakewood, O.
8AYM—R. W. Russell & M. Nichols, 78 Newton St., Jamestown, N. Y.
8AYN—R. F. Shinn, 3396 E. Fairfax, Cleve. Hgts., O.
8AYO—G. Broughton 41 Nathan St., Ashtabula, O.
8AYP—W. B. Butcher, Waynesfield, O.
8AYQ—G. Weiss, 1167 Jay St., Rochester, N. Y.
8AYR—H. H. Roehrig, 50 Poplar St., Wyandotte, Mich.
8AYS—C. J. Scott, 1298 E. 142d St., E. Cleveland, O.
8AYT—H. V. Stevens 63 Edson Ave., Ruffalo, N. Y.
8AYU—H. G. Gano, 3300 Elland Ave., Cincinnati, O.
8AYV—J. Heferle, 2606 Consaul St., Toledo, O.
8AYW—W. R. Scott, 543 Greenfield Ave., Pittsburgh, Pa.
8AYX—E. Tramains, 773 South St., Findlay, O.
8AYY—R. DeCola, 424 Allison St., Niles, O.
8AYZ—J. J. Simovic, Cleveland Ave., Stevensville, Mich.
8AZ—J. E. Fetzer, care of Emmanuel Missionary College, Berrien Springs, Mich.
8AZA—R. Greenwald, 316 S. Tyler St., Van Wert, O.
8AZB—G. Lockneer, 101 Louisa St., Utica, N. Y.
8AZC—L. R. McDonald, 321 N. Dewey St., Owosso, Mich.
8AZD—K. Bernard, 136 Abbott St., Detroit, Mich.
8AZE—D. Ingraham, 83 Sickley Ave., Herminie Pa.
8AZF—H. L. Harter, 1004 Emma Ave., Akron, O.
8AZG—G. R. White, 314 Natl. Av., NW., Grd. Rap., Mich.
8AZH—H. C. Eldridge, Jr., Franklin Warren Co., O.
8AZI—F. W. Scholl, Jr., 2905 Observatory Rd., Cincinnati
8AZJ—I. Hoffstatter, 216 E. Main St., New London, O.
8AZK—E. W. Zimmerman, 274 Barnes St., Buffalo, N. Y.
8AZL—D. Wiard & K. Lambright, 169 Fourth St., NW., Carollton, O.
8AZM—I. A. McCowan, 170 N. Gallatin, Uniontown, Pa.
8AZN—M. L. Miller, 16 W. Walnut St., Oxford, O.
8AZO—H. B. Monatt, 264 Field St., Rochester, N. Y.
8AZP—A. C. Boardman, 1560 Pratt St., Elmira, N. Y.
8AZQ—L. Hommel & Co., 205 Cominston St., Pittsburgh, Pa.
8AZR—E. Sawyer, 7741 Dexter Blvd., Detroit, Mich.
8AZS—F. MacA. Smith, 122 Garfield St., Elmira, N. Y.
8AZT—B. H. Buckingham, 195 W. 11th Ave., Columbus, O.
8AZU—S. Shapiro, 117 W. Court St., Warsaw, N. Y.
8AZV—A. Martens, 4710 Rewick Ave., Detroit, Mich
8AZW—D. H. McKinley, State St., Curwensville, Pa.
8AZX—A. M. Hustead, 33 Charles St., Uniontown, Pa.
8AZY—O. W. McKenrick, W. Main St., Grampian, Pa.
8AZZ—L. Fishbeck, 5416—24th St., Detroit, Mich.
8BA—E. H. Koehn, 3983 Meldrum Ave., Detroit, Mich.
8BAA—E. Stine, 122 Kingman Ave., Battle Creek, Mich.
8BAB—B. Winters, 1905 Carson St., Pittsburgh, Pa.
8BAC—H. P. Brown, Clinton St., Clark Mills, N. Y.
8BAD—F. K. Trost, Walnut St., Tippecanoe City, O.
8BAE—H. S. Cushman, 7 Riverview, Binghamton, N. Y.
8BAF—F. L. Ritterman, 215 Jackson St., Pittsburgh, Pa.
8BAG—R. E. Perry, 116 Charleston St., Charleston, W. Va.
8BAH—H. Tummonds, 3200 Franklin Ave., Cleveland, O.
8BAI—H. M. Burt, Jr., 1507 Francis St., Jackson, Mich.
8BAJ—R. G. Gilbert, 502 Garfield St., E. Rochester, N. Y.
8BAK—C. Schroeder, 40 VanAlstyne, Wyandotte, Mich.
8BAL—W. D. Settle, Maine St., West Lafayette, O.
8BAM—W. C. Reichard, 205 Bear St., Syracuse, N. Y.
8BAN—C. F. McKinney, 121 Prospect St., Ithaca, N. Y.
8BAO—W. E. Marshall, E. Butler, Pa.
8BAP—P. Smith, House of David, Benton Harbor, Mich.
8BAQ—W. M. Columbia, Burgettstown, Pa.
8BAR—H. Seielstad, 2203 Coplin Ave., Detroit, Mich.
8BAS—H. L. Gordon, East River St., Antwerp, O.
8BAT—H. E. Zimmerman, 187 Dodge Ave., Akron, O.
8BAU—F. Gibb, 212 N. 20th St., Columbus, O.
8BAV—L. H. Krompart, 215 Williams St., Medina, N. Y.
8BAW—R. Bostwick, 135 Broad St., Waverly, N. Y.
8BAX—W. B. Andrews, 743 Thornhill Dr., Cleveland, O.
8BAY—J. V. Brousek, 3402 W. 50th St., Cleveland, O.
8BAZ—R. E. Stealey, 947 Market, Parkersburg, W. Va.
8BB—N. P. Mason, 85 Brinkerhoff St., Plattsburg, N. Y.
8BBA—N. Stocker, 13022 Lake Shore Blvd., Cleveland O.
8BBB—H. C. Bingham, 14617 Lake Shore, Cleveland, O.
8BBC—E. G. Enderle, 272 Franklin St., Columbus, O.
8BBD—E. W. Zimmerman, 45 Cheltenham, Buffalo, N. Y.
8BBE—O. Sterling, Jr., Prospect St., Romeo, Mich.
8BBF—J. M. Moore, 406 N. Market St., East Palestine, O.
8BBG—W. C. Rhodes, Jr., 13401 Lake Shore, Cleveland, O.
8RBH—D. A. Young, New Straitsville, O.
8BBI—W. G. Watson, 457 Florence St., Royal Oak Mich.
8BBJ—W. H. Gabert, 314 E. Pike St., Pontiac, Mich.
8BBK—C. H. Fraser, 48 Glenwood Ave., Buffalo, N. Y.
8RBL—H. Dudley, 287 E. Utica St., Buffalo, N. Y.
8BBM—R. L. Downey, 103 Hale Ave., Princeton, W. Va.
8BBN—Cleve. City Water Dept., W 45th & Division, Cleveland, O.
8BRO—B. J. Trescott, 10 Pine St., Norwalk, O.
8BBP—P. T. Brown, Poplar Grove, Connellsville, Pa.
8BBQ—D. L. Jacobs, 396 Oakland Ave., Pontiac, Mich.
8BBR—M. C. Taggart, 1771 E. University St., Wooster, O.
8BBS—E. Goss, 24 Hoffman Pl., Buffalo, N. Y.
8BRT—E. A. Heffner, 930 S. Ohio Ave., Columbus, O.
8BBU—R. P. Moler, 342 S. Ohio Ave., Columbus, O.
8BBV—A. C. Young, 1311 Abbott Rd., Ruffalo, N. Y.
8BBW—W. C. George, 3178 Scranton St., Cleveland, O.
8BBX—R. A. Kunkel, 1284 Westlake Ave., Lakewood, O.
8BRY—A. C. Ellsworth, 2904 Warrington, Cleveland, O.
8BBZ—L. McDowell, 1838 N. Rend Rd., Cincinnati, O.
8BC—M. M. Burtes, 906 N. Alford St., Syracuse, N. Y.
8BCA—J. C. Gill, 342 W. Main St., Galion, O.
8BCB—E. Kensler, 415 W. Chicago St., Sturgis, Mich.
8BCC—R. Armstrong, R. F. D. 7, Penn Yan, N. Y.
8BCD—T. L. Kramer, 4232 Riverside Drive., West Park, O.
8BCE—R. Gebhardt, 38 N. Pleasant St., Norwalk, O.
8BCF—C. R. Allison, Jr., 968 W. Wayne St., Lima, O.
8RCG—G. W. Fox, Rapid City, Mich.
8RCH—W. P. Strangward, 1642 Elmwood, Lakewood, O.
8BCI—D. Livingston, Jr., New Middletown, O.
8BCJ—F. P. Friesa, 2309 May St., Cincinnati, O.
8BCK—H. F. Holbeck, 1835 W. 65th St., Cleveland, O.
8BCL—G. A. Cathers, 1437 Eagle St., Franklin, Pa.
8BCM—F. E. Handy, 400 Hampton St., Wilkinsburg, Pa.
8BCN—I. D. Taber, Y. M. C. A., Cornwall-on-Hudson, N.Y.
8RCO—D. A. Crossley, 1245 Manor Park, Cleveland, O.
8BCP—W. E. Hamp, 502 6th St., Rochester, N. Y.
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8BPO—F. G. Kear, Jr., 403 Front St., Minersville, Pa.
8BPP—V. J. Andrew, 720 Spruce St., Wooster, O.
8BPQ—W. Mason, 910 Emerson St., Fairmont, W. Va.
8BPR—C. L. Terrell, DeGraff, O.
8BPS—E. D. Hughes, 54 Custer St., Wilkes-Barre, Pa.
8BPT—C. E. Leedy, R. F. D. No. 3, Monroe, Mich.
8BPU—G. R. Beerbower, 1109 Alesander St., Fairmont, W. Va.
8BPV—W. B. McShaffrey, 112—3d St., Monessen, Pa.
8BPW—C. Wellrose Flesher, Elk St., Gassaway, W. Va.
8BPX—B. A. Jakubovsky, 6 Beach St., Muskegon, Mich.
2BPY—C. M. Schindel, 904 Franklin St., Wilkinsburg, Pa.
8BPZ—H. Lockwood, 3 Easton St., Kane, Pa.
8BQ—H. M. Walleze, 234 Vine St., Milton, Pa.
8BQA—A. Nygren, 116 Bowen St., Jamestown, N. Y.
8BQB—F. Kieshauer, 242 Buffalo St., Jamestown, N. Y.
8BQC—J. L. Miller, 31 Marshall St., Norwalk, O.
8BQD—M. Mackey, R. F. D. No. 5, Warren, O.
8BQE—D. H. Ammon, 525 Green Ridge St., Scranton, Pa.
8BQF—E. Y. Edward, 410 St. Johns, Schuylkill Haven, Pa.
8BQG—N. S. Forman, 48 Univ. Driveway, Morgant'n,W.Va.
8BQH—Unassigned
8BQI—C. E. Foltz, 610 South St., Findlay, O.
8BQJ—E. J. Huber, Fairfield, O.
8BQK—S. F. Meek, Wash. Blvd., New Balto, Mich.
8BQL—D. L. Bensinger, Elsie, Mich.
8BQM—H. Kenneth McClung, 5615 Howe, Pittsburgh, Pa.
8BQN—L. Cook, 731 Delaware Ave., Buffalo, N. Y.
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8BQR—F. L. Elliott, 3831 Grand River Ave., Detroit, Mich.
8BQS—E. S. Clark, 333 Princeton Pl., Pittsburgh, Pa.
8BQT—R. E. Perkins, 79 E. Main St., LeRoy, N. Y.
8BQU—R. H. McCague, Pine Rd., Sewickley, Pa.
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8BRF—R. Cresap, 618 Parrish St., Uhrichsville, O.
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8BRK—J. B. Emery, 2d, 309 Campbell St., Williamsport,Pa.
8BRL—H. W. Haberl, 55 Ha——— Crafton, Pa.
8BRM—M. W. Crichton, 88 Murray Ave., Uniontown, Pa.
8BRN—S. W. Beyland, Long Meadow Circle, Pittsford,N.Y.
8BRO—E. J. Weis, 778 Lansing St., Utica, N. Y.
8BRP—S. B. Griscom, 415 Kelly Ave., Wilkinsburg, Pa.
8BRQ—K. L. Brown, 8873 Buhl St., Detroit, Mich.
8BRR—J. L. Lentz, 1514 W. 9th St., Lorain, O.
8BRS—E. W. & W. J. Colpus, 23 Henderson, Pontiac,Mich.
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8BSF—R. A. Trago, 40 Pfohl St., Williamsville, N. Y.
8BSG—Y. M. Graham, 157 Augustine St., Rochester, N. Y.
8BSH—J. C. Matheny, 5120 Globe Ave., Norwood, O.
8BSI—B. Webster, 242 Forest St., Oberlin, O.
8BSJ—C. A. Neth, 102 E. Fayette St., Connellsville, Pa.
8BSK—W. T. Cooke
8BSL—F. A. Long, 1904 Division Ave., Grand Rapids,Mich.
8BSM—C. C. Forester, 281 Northampton St., Buffalo, N. Y.
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8BUV—C. F. Curran, 10 Burr Ave., Binghamton, N. Y.
8BUW—S. E. Dolph, 732 N. Webster Ave., Scranton, Pa.
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8BVK—R. P. Ranney, 3016 Chadbourne Rd., Cleveland, O.
8BVL—F. Stehmeyer, 47 N. 22d St., Kenmore, O.
8BVM—E. A. Bullock, 60 Eason Ave., Highland Pk., Mich.
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8BVR—J. E. Phillips, 9711 Lamount Ave., Cleveland, O.
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8BVT—B. H. Baskin, 1903 Brightwood Ave., Cleveland, O.
8BVU—L. Hackenberger, 302 W. Lima St., Findlay, O.
8BVV—M. Nolan, Provemont, Mich.
8BVW—Unger's Drug Store, 328 W. Arch, Shamokin, Pa.
8BVX—E. F. Douglass, Jr., 1419 Woodland Ave. NW., Canton, O.
8BVY—G. D. Covell, 162 Massachusetts Ave., Detroit, Mich.
8BVZ—N. H. Hiller, Jr., 68 Laurel St., Carbondale, Pa.
8BW—S. Greco, 623—12th Ave., New Brighton, Pa.
8BWA—W. F. Warden, 467 Merriman Rd., Akron, O.
8BWB—G. Lister, 9737 Woodward Ct., Cleveland, O.
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8BWD—H. Rogers, 16 Halliday St., Oil City, Pa.
8BWE—F. W. Koster, 700 Vinton St., Toledo, O.
8BWF—H. C. Yingling, 252 Charles, New Kensington, Pa.
8BWG—S. M. Dotterer, 135 Defiance St., Leipsic, O.
8BWH—C. A. Quick, 1228 Butternut, Syracuse, N. Y.
8BWI—G. E. Amolsch, 3630 W. 47th St., Cleveland, O.
8BWJ—Flint High School, Beach St., Flint, Mich.
8BWK—W. F. Bonnell, 1876 E. 73d St., Cleveland, O.
8BWL—A. C. Dodds, 3400 Salina St., Syracuse, N. Y.
8BWM—W. Mosier, Provemont, Mich.
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8BXU—W. F. Stinsman, 614 Hamlen St., Watertown, N. Y.
8BXV—E. J. Govern, 25 Vick Park B, Bochester, N. Y.
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8CCD—I. Paul, 135 Poplar St., Wyandotte, Mich.
8CCE—R. K. Struble, 804 Asylum St., Flint, Mich.
8CCF—S. P. Byers, 341 Philadelphia Ave., Indiana, Pa.
8CCG—Moffitt-Graumlich Elec. Co., 336 E. Franklin St., Circleville, O.
8CCH—H. Griffiths, 522 E. Main St., East Palestine, O.
8CCI—J. C. Lisk, 902 S. Elizabeth St., Lima, O.
8CCJ—G. E. Munsehauer, Buffalo, N. Y.
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8CCL—R. G. Lister, 300 Beldon Ave., N. E., Canton, O.
8CCM—J. O. Archibald, 60 Aurora St., Lancaster, N. Y.
8CCN—A. C. Morrow, 529 N. Church St., Elmira, N. Y.
8CCO—M. Israelson, Hartfield, N. Y.
8CCP—G. J. Gray, 339 E. Third St., Cincinnati, O.
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8CCR—C. W. Steiner, 36 Charles St., Boonville, N. Y.
8CCS—C. E. Bailey, 29 Grant St., Potsdam, N. Y.
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8CCU—T. A. Hart, Jr., 40 Filkins St., Fairport, N. Y.
8CCV—S. Sellers, 922 W. Park St., Kalamazoo, Mich.
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8CDD—A. B. Bower, Fulton St., Armada, Mich.
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8CDG—W. Sullivan, 90 Newton St., Fredonia, N. Y.
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8CDJ—R. R. Boyden, 672 W. Liberty St., Medina, O.
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8CEQ—G. H. Wegner, 1 Moffatt St., Carnegie, Pa.
8CER—P. Lindauer, 1014—11th St., Lorain, O.
8CES—M. L. Leppert, 3d & S. Main St., Sharpsburg, Pa.
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8CEU—Milan High School, Milan, Mich.
8CEV—H. C. Hopkins, Auburn, N. Y.
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8CFB—H. Wallace, 7215 Whipple St., Swissvale, Pa.
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8CFN—W. Peuser, 1019 Sunset St., Scranton, Pa.
8CFO—R. C. Duncan, 1615 Church St., Detroit, Mich.
8CFP—P. Thomas, 436 Elmer St., Pittsburgh, Pa.
8CFQ—A. B. Corey, Lake Odessa, Mich.
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8CFU—E. R. Mallory, 141 N. Spring St., Bellefonte, Pa.
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8CGB—P. C. Snyder, Lowrie & Gardner, Pittsburgh, Pa.
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8CGD—W. J. G. Cooper, 507 Washington, Oakmont, Pa.
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8CGI—C. Funk, 2434 Pennsylvania Ave., Detroit, Mich.
8CGJ—G. Hunter, Jr., 205 McConnell St., St. Johns, Mich.
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8CID—E. H. Harbison, Pine Bd., Sewickley, Pa.
8CIE—L. Farman, 520 N. Jefferson St., Van Wert, O.
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8CIO—F. B. Humphrey, E. Pine St., Philipsburg, Pa.
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8CIQ—R. J. Ross, 919 N. Shamokin St., Shamokin, Pa.
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8CIS—E. F. Steates, 127 Gold St., Utica, N. Y.
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8CIU—M. B. Terrell, 22 E. 9th St., Holland, Mich.
8CIV—R. S. Ireland, 400 S. Melcher St., Johnstown, N. Y.
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8CIX—Q. N. Culler, 415 McKee Ave., Monessen, Pa.
8CIY—A. H. Slack, 108 Shinkle St., Findlay, Ohio
8CIZ—C. A. Hansen, 32 Pearl St., Gloversville, N. Y.
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8CJB—D. H. Ross, 32 S. 2d St., Lewisburg, Pa.
8CJC—P. O. Young, 53 Market St., Nanticoke, Pa.
8CJD—E. Zavitz, 307 Wight St., St. Johns, Mich.
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8CJH—K. W. Cooper, Railroad Ave., Williamson, N. Y.
8CJI—F. J. Henry, 211 Norwood Ave., Buffalo, N. Y.
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8CJK—C. McCormick, Chapman St., Chesaning, Mich.
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8CJN—F. A. Hamel, 200 W. Martin Ave., Amherst, O.
8CJO—R. W. Crowell, 406 N. Cherry St., Paulding, O.
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8CNI—R. W. Guy, R. F. D. 1, Ellwood City, Pa.
8CNJ—C. Van Gorder, 454 Mill St., Conneaut, O.
8CNK—J. C. De Pue 125 W. 3rd St., Pt. Clinton, O
8CNL—A. E. Apple, 115 S. Euclid Ave., Dayton, O.
8CNM—R. J. Bashore R. F. D. 9, Paulding, O.
8CNN—T. Bolton, 19 Fair St., Cooperstown, N. Y.
8CNO—J. L. Anderson, 106 W. Northwood, Columbus, O.
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8CNR—W. F. Baxter, Main St., Seven Mile, O.
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8COD—O. D. Lamm, New Carlisle, O.
8COE—T. W. Willers, Avenue C, Matamoras, Pa.
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8CPL—H. C. Haws, R. F. D. 3, Medina, N. Y.
8CPM—W. A. Stelzer Holland, N. Y.
8CPN—W. Miller, Holland, N. Y.
8CPO—F. Roya, Frankfort, Mich.
8CPP—R. W. Stolzenbach, 724 Market St., Lima, O.
8CPQ—H. E. Hart, 1020 Adams St., Owosso, Mich.
8CPR—A. E. Milligan, 724 W. Market St. Lima, O.
8CPS—A. W. Palmer State St., Scottville, Mich.
8CPT—C. G. Brown, 57 Green St., Schuylerville, N. Y.
8CPU—D. R. Stevenson, Christian Ave., Hubbard, O.
8CPV—T. J. Miller, 1903 S. Erie St., Bay City, Mich.
8CPW—F. L. Reynolds, 387 Castle St., Geneva, N. Y.
8CPX—R. A. Wells, 316 Prospect St., Watertown, N. Y.
8CPY—J. A. Wilson, Crescent Eng. Co., Kalamazoo, Mich.
8CPZ—G. Mueller, 733 Penn Ave., Midland, Pa.
8CQ—C. Hughes, 106 Geneva Ave., Detroit, Mich.
8CQA—S. F. White, 922 Irving Ave., Syracuse, N. Y.
8CQB—G. L. Gelser, 203 N. 6th St., Steubenville, O.
8CQC—G. B. Smith, 621 Bradley St., Watertown, N. Y.
8CQD—B. Dickerson, 649 Midland Ave., Syracuse, N. Y.
8CQE—A. F. Worthington, 301 N. Leroy, Fenton, Mich.
8CQF—N. I. Baxter, 319 E. Kennedy, Syracuse, N. Y.
8CQG—O. B. Goldsmith, 216 Rose Pl., Kalamazoo, Mich.
8CQH—D. S. McClung, 1221 9th Ave., Huntington, W. Va.
8CQI—J. H. Graves, Maine St., Oak Harbor, O.
8CQJ—W. W. Murray, Creston, O.
8CQK—A. Bojalad, 400 Du Bois St., Du Bois, Pa.
8CQL—E. H. Wallace, Jr., 1012 Chestnut, Erie, Pa.
8CQM—H. E. Fraser, R. F. D. 5, Pine Lake, Pontiac, Mich.
8CQN—R. A. Powers, 5138 Gratiot Ave., Port Huron, Mich.
8CQO—I. J. Barber, 504 State, Clark's Summit, Pa.
8CQP—A. P. Ruzvnsky, 1. E. Broad St., W. Hazelton, Pa.
8CQQ—W. A. Somers, Derrick City, Pa.
8CQR—C. D. Richards, Dewey Ave., Barnard, N. Y.
8CQS—L. E. Sinn, 726 Prospect Ave., Van Wert, O.
8CQT—J. B. McCune, 488 5th St., Donora, Pa.
8CQU—C. H. Heiser, 733 New York Ave., Columbus, O.
8CQV—C. F. Walsh, 304 Jay St., Rochester, N. Y.
8CQW—C. E. Burke, 453 Avenue D, Rochester, N. Y.
8CQX—H. A. Thompson, 3401 Ridgway St., Pittsburgh, Pa.
8CQY—M. H. Robin, 7 Lake Ave., Williamson, N. Y.
8CQZ—C. W. Pfister, Johnson St., Osborn, O.
8CR—Crosley Mfg. Co., 5723 Davey Ave., Cincinnati, O.
8CRA—O. Ahrens, 47 N. Main St., Canandaigua, N. Y.
8CRB—C. F. Swoboda, 16475 Libby Rd., Maple Hght., O.
8CRC—H. R. Spelman, 937 Harriet Ave., NW., Canton, O.
8CRD—F. F. Sauer, 1924 Forestdale, Cleveland, O.
8CRE—Sterling Mfg. Co., 2845 Prospect Ave., Cleveland, O.
8CRF—H. C. Thoms and L. W. Jones, 59 Pasadena Ave., Highland Park, Mich.
8CRG—J. W. Lang, 774 Northampton St., Buffalo, N. Y.
8CRH—L. Macomber, Quaker Rd., Orchard Park, N. Y.
8CRI—H. Jones, 132 Louisa St., Utica, N. Y.
8CRJ—J. R. Dauberman, 615 St. Catherine, Lewisburg, Pa.
8CRK—G. Styhr, 175 Gailey Ave. Ross Township, Pa.
8CRL—F. W. Dauber, Jr., 522 Carolyn, Bellevue, Pa.
8CRM—W. J. Krager, 39 Franklin St., Cattaraugus, N. Y.
8CRN—A. K. Rehor, 16350 Libby Rd., Maple Heights, O.
8CRO—C. G. Keener, 215 Griffin Ave., Pittsburgh, Pa.
8CRP—S. Wojnowski, 1344 Dewey Ave., Rochester, N. Y.
8CRQ—G. F. Roberts. Mastin Park, Buffalo, N. Y.
8CRR—S. R. Hathaway, 602 S. Maple St., Marysville, O.
8CRS—L. D. Trevett, Buffalo St., Orchard Park, N. Y.
8CRT—J. W. Dixon, 1875 Charles Rd., East Cleveland, O.
8CRU—D. W. Exner, Silver Bay, N. Y.
8CRV—R. Swain, 713 E. Univ. St. Ann Arbor, Mich.
8CRW—J. H. Brabb, 751 Chicago Blvd., Detroit, Mich.
8CRX—H. C. Hanna, 3802 Woodworth, East Cleveland, O.
8CRY—W. T. Munson, 13524 Ashburton Rd., Cleveland, O.
8CRZ—G. W. Stone, Jr., 9 Evershed, Niagara Falls, N. Y.
8CS—W. J. Scripps, 3664 Trumbull, Detroit, Mich.
8CSA—A. Brezinski, 12 Rubber St., Rochester, N. Y.
8CSB—L. D. Lathrop, Berkey, O.
8CSC—B. Drummond, 239 5th Ave., Three Rivers, Mich.
8CSD—B. Lazich, 16 Eureka St., Pittsburgh, Pa.
8CSE—R. Lotzar, 439 Fernwood Ave., Rochester, N. Y.
8CSF—E. Jila, 4304 E. 126th St., Cleveland, O.
8CSG—I. W. Littlefield, 147 Moulton Kenmore, N. Y.
8CSH—N. Hellbrun, 425 West Ave., Buffalo, N. Y.
8CSI—J. J. Long, Jr., 205 Prospect St., Canandaigna, N. Y.
8CSJ—V. Grieco, 183 Webdale Way, Rochester, N. Y.
8CSK—J. R. Eccles, 2435 Auburn Ave. Toledo, O.
8CSL—R. F. Kehr, 3216 Cherry St., Toledo, O.
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8CSN—E. W. Boehmer, 101 Main St., Hamburg, N. Y.
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8CSP—F. R. Messmer 611 Markison Ave., Columbus, O.
8CSQ—H. Mattes, 189 Avenue B, Rochester, N. Y.
8CSR—G. S. Mohr, 302 N. Cherry St., Paulding, O.
8CSS—J. R. Nelson, 418 Caroline St., Herkimer, N. Y.
8CST—M. Y. Law, 1406 Coruna St., Owosso, Mich.
8CSU—W. E. Fuller, 639 Mac Ave., E. Lansing, Mich.
8CSV—F. W. Blackman, 157 Forrest St., Clyde, O.
8CSW—R. Ereleigh, 142 E. Hoard St., Watertown, N. Y.
8CSX—L. E. Forman, 176 North St., Buffalo, N. Y.
8CSY—H. W. Munk, 419 Clay Ave., Watertown, N. Y.
8CSZ—L. H. Frost, 112 Hatch St., Syracuse, N. Y.
8CT—R. C. Blair, 194 Glendale Ave., Highland Pk., Mich.
8CTA—J. B. Gardner, 4514 Whetsel St., Cincinnati, O.
8CTB—E. J. Emery, R. F. D. No. 6, Auburn, N. Y.
8CTC—H. L. Baltimore, 422 Main St., Duryea, Pa.
8CTD—D. N. Hadley, 56 Walnut St., Shelby, O.
8CTE—C. R. Sherman, 1225 Dudley Ave., Utica, N. Y.
8CTF—C. C. Young, 1505 Federal St., Pittsburgh, Pa.
8CTG—W. A. Mason, 304 Delaware Ave., Lorain, O.
8CTH—H. W. Pletcher, 609 Prescott, Dunmore, Pa.
8CII—F. W. Dana, R. F. D. No. 5, Paulding, O.
8CTJ—E. D. Strickland, Market & 2d Sts., Warren, Pa.
8CTK—J. G. C. Miller, 25 Gelston St., Buffalo, N. Y.
8CTL—F. C. Kaffer, 707 Wolf St. Syracuse, N. Y.
8CTM—W. J. Laidlaw, Marlette, Mich.
8CTN—C. Stowell, 225 N. 2d St., Olean, N. Y.
8CTO—L. G. Mason, 7306 Hermitage St., Pittsburgh, Pa.
8CTP—R. M. Brown, 532 Donder Ave., Monessan, Pa.
8CTQ—W. C. Olson, 103 Sturgis St., Jamestown, N. Y.
8CTR—F. E. Fitch, D.D.S., 219 W. Church, Elmira, N. Y.
8CTS—W. E. Kinney, S. Main St., Marion, O.
8CTT—W. F. Ludwig, 441 Avenue D, Rochester, N. Y.
8CTU—C. Schardt, 12813 Marston Ave., Cleveland, O.
8CTV—J. H. Schneider, 98 Fair St., Cooperstown, N. Y.
8CTW—K. Newcomer, 606 Fayette St., Connellsville, Pa.
8CTX—A. E. Worth, 367 N. 5th St., Indiana, Pa.
8CTY—B. B. Bond, 3 Pleasant St., Pottsdam, N. Y.
8CTZ—J. S. Naratil, 350 Lehigh Ave., Palmerton, Pa.
8CU—R. R. Kimes, 3034 E. 79th St., Cleveland, O.
8CUA—R. S. Freer, East Liberty, O.
8CUB—A. D. Sechrist, R.F.D. No. 1, Arcanum, O.
8CUC—C. C. Richardson 268 Main St., Greenville, Pa.
8CUD—G. Brown, Box 128, R.F.D. 10, Toledo, O.
8CUE—H. B. Brown, Jr., P. O. Box 773, Connellsville, Pa.
8CUF—H. F. Thomas, 458 E. Church St., Marion, O.
8CUG—L. E. Johnson, 55 Sturgis St., Jamestown, N. Y.
8CUH—J. B. Jones, Neal St., Turtle Creek, Pa.
8CUI—E. C. Warren, Capac, Mich.
8CUJ—R. B. Conaughty, 42—1st St., Waterford, N. Y.
8CUK—W. H. Snefsky 1354 Tennessee St., Dormont, Pa.
8CUL—H. O. Koons, 21835 Lake Shore Blvd., Euclid, O.
8CUM—E. Perkins, 2260 E. 100th St., Cleveland, O.
8CUN—R. F. Clements, 724 Whitney Av., Wilkinsburg, Pa.
8CUO—T. S. Begg, 214 Eakin St., Columbus Grove, O.
8CUP—E. E. Haverty, 918 Maple St., Parkersburg, W. Va.
8CUQ—E. J. Leutsch, 4124 Bailey Ave., Cleveland, O.
8CUR—D. Dominzl, 3097 West Blvd., Cleveland, O.
8CUS—H. H. Geyser, 330 Hill St., Sewickley, Pa.
8CUT—A. McTigue, 7122 Lemington St., Pittsburgh, Pa.
8CUU—R. C. Blair, 194 Glendale St., Highland Pk., Mich. (Portable)
8CUV—F. J. Ambose, Jr., 1612—5th Ave., Arnold, Pa.
8CUW—E. V. Fischer, 150 Avery St., Rochester, N. Y.
8CUX—L. Klentz, 11902 Castlewood Ave., Cleveland, O.
8CUY—G. B. Rinehart, 15 Jones St., Ingram, Pittsburgh,
8CUZ—G. R. Lang, Pine Rd., Edgeworth, Pa.
8CV—C. E. Urban, 27 Watsonia Blvd., Pittsburgh, Pa.
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8CVB—C. N. Page, 64 Midland Ave., Columbus, O.
8CVC—G. Haines, R.D. 4, Catherine Ave., Dayton, O.
8CVD—W. F. Copp, 92 E. Dayton St., W. Alexandria, O.
8CVE—C. Hersh, 1410 Lamar St., Dayton, O.
8CVF—R. C. R. Schulze, 1424 Nixon St., Pittsburgh, Pa.
8CVG—L. M. Wittlinger, 47 Portland Ave., Dayton, O.
8CVH—E. C. Warn, 436 N. Kilmer St., Dayton, O.
8CVI—H. H. Greene, 118 Oxford Ave., Dayton, O.
8CVJ—A. H. Harris, 30 Clover St., Rochester, N. Y.
8CVK—M. Souslin, 1016 Edison St., Dayton, O.
8CVL—M. A. Rudd, 1545 E. 122d St., Cleveland, O.
8CVM—J. F. Remsberg, 335 Oakwood Pl., Springfield, O.
8CVN—P. F. Jackson, 825 Linwood St., Dayton, O.
8CVO—R. P. Deihl, Cresson, Pa.
8CVP—J. Lafer, 3061 W. Grand Blvd., Detroit, Mich.
8CVQ—C. Kenny, 2959 Somerton Rd., Cleveland Hts., O.
8CVR—J. W. D. Page, Park Ave., Verona Apts., Cincin., O.
8CVS—F. W. Davis, 153—12th Ave., Columbus, O.
8CVT—W. R. Butler, 660 Stuart St., Dayton, O.
8CVU—The Wireless Shop, 209 N. Finley, Punxsutawney, Pa.
8CVV—E. G. Smith, R.F.D. No. 1, Irishvalley, Pa.
8CVW—A. N. Hemenway, Warsaw, N. Y.
8CVX—N. L. Geidel, 5638 Northumberland Av., Pitts., Pa.
8CVY—S. D. Conley, 2803 Frontenac St., Pittsburgh, Pa.
8CVZ—E. H. Simpson, 630-a Middle Ave., Wilmerding, Pa.
8CW—R. S. Copp, 107 McDaniel St., Dayton, O.
8CWA—F. Keenan, 40 Colorado Ave., Highland Pk., Mich.
8CWB—W. Kennedy, 668-a Middle Ave., Wilmerding, Pa.
8CWC—W. W. Heckert, 402 E. Church St., Oxford, O.
8CWD—R. P. Murphy, 186 Granville St., Newark, O.
8CWE—A. R. John, 257 High St., Dayton, O.
8CWF—R. Warner, Derrick City, Pa.
8CWG—J. L. Zimmerman, 553—2d St., Shamokin, Pa.
8CWH—C. F. MacNish, 4504 Hector St., Cincinnati, O.
8CWI—R. Floyd, 507 Allison St., Washington, Pa.
8CWJ—W. C. Giles, 2705 East St. N.S., Pittsburgh, Pa.
8CWK—F. K. Kearney, 3837 Warren Ave., Detroit, Mich.
8CWL—Hertz Battery Co., 1236 E. 79th St., Cleveland, O.
8CWM—C. H. Emerick, 501 Maple St., Eaton, O.
8CWN—W. S. Howe, 306 Linwood St., Dayton, O.
8CWO—F. J. Rose, 2620 May St., Cincinnati, O.
8CWP—R. E. Stukey, 610 N. Broad St., Lancaster, O.
8CWQ—R. H. Marshall, Jr., 425 Lincoln St., Bellevue, Pa.
8CWR—R. E. Baird, 34 W. 1st St., Dayton, O.
8CWS—T. Ellis, 1221 Grand Ave., Dayton, O.
8CWT—D. Barnhart, 100 Wayne St., Warren, Pa.
8CWU—DeVaine Swigart, 904 Kenmore Blvd., Kenmore, O.
8CWV—W. A. Huff, Jr., 424—5th St., Parkersburg, W. Va.
8CWW—M. L. Kuder, 133 W. 18th St., Erie, Pa.
8CWX—R. W. Waller, 617 N. 4th St., Cambridge, O.
8CWY—H. S. Wilcox, Millerton, Pa.
8CWZ—J. R. Bush, Mad. Barks. 41, Sacket Harbor, N. Y.
8CX—M. L. Johnson, 3079 Texas Av., Dormont, Pitts., Pa.
8CXA—K. T. Bradley, Rethany College, Bethany, W. Va.
8CXB—E. Cooper, Jr., Bramwell, W. Va.
8CXC—C. W. Millard, Box 421, Lima, N. Y.
8CXD—T. A. Louden, Broadway St., Scottville, Mich.
8CXE—D. T. Davies, III, R.R. 10, Box 73, W. Toledo, O.
8CXF—J. E. Penniman, 231 Stuart Ave., Kalamazoo, Mich.
8CXG—C. E. Gibson, 3 Spring St., Athens, O.
8CXH—L. E. Counts, Linn St., Coshocton, O.
8CXI—R. E. Wise, 257 E. 8th St., Holland, Mich.
8CXJ—D. R. Dunlap, Box 57, Hemlock, O.
8CXK—V. E. Donato, 59 E. Market St., Alliance, O.
8CXL—O. White, New Straitsville, O.
8CXM—C. L. Doty, 519 Nancy St., Charleston, W. Va.
8CXN—J. C. Lewis, 212 W. Washington St., Grafton, W.Va.
8CXO—J. Nauta, 30 Waite St., Norwich, N. Y.
8CXP—R. B. Stewart, Glen St., Yellow Springs, O.
8CXQ—J. A. Sloat, 241 Broadway St., Monticello, N. Y.
8CXR—J. L. Robinson, West Lodge, Oberlin, O.
8CXS—R. W. Eismann, 305 Peach St., Erie, Pa.
8CXT—H. C. Allen, 26 Coolidge St., Glens Falls, N. Y.
8CXU—P. M. Barnes, 3321 Blanchard St., Toledo, O.
8CXV—P. H. Rowley, 76—3d St., Gloversville, N. Y.
8CXW—K. R. English, 625 S. Lawn Ave., Coshocton, O.
8CXX—C. B. Kerr, 190 E. Mark St., Marion, O.
8CXY—F. Yoder, 223 Spring St., Wooster, O.
8CXZ—L. H. Jenks, 303 State St., Carthage, N. Y.
8CY—M. L. Rivkin, 147 Winona Ave., Highland Pk., Mich.
8CYA—P. H. Sanborn, 1435—4th Ave., Huntington, W. Va.
8CYB—H. E. Daugherty, 120 W. Temple, Wash. C. H., O.
8CYC—J. B. Flores, 745 Lincoln Ave., Wilmington, O.
8CYD—A. W. Laurien, 21 Sands St., Cortland, N. Y.
8CYE—Al'n Thompson, Al'on Thompson, Avoca, N. Y.
8CYF—R. P. Irvine, 3444 Storer Ave., Cleveland, O.
8CYG—A. Wlodarski, 395 Hudson Ave., Rochester, N. Y.
8CYH—M. T. Decker, 39 North St., Baldwinsville, N. Y.
8CYI—J. Hertsberg, 306 Clay Ave., Rochester, N. Y.
8CYJ—Amzie B. Dreher, 514 Scott St., Stroudsburg, Pa.
8CYK—R. Plain, 1 Laurel Ave., Binghamton, N. Y.
8CYL—R. H. Mason, V. H. S., Oswego St., Syracuse, N.Y.
8CYM—C. M. Bell, 241 Tremont St., N. Tonawanda, N. Y.
8CYN—Unassigned
8CYO—D. C. Swartsel, 2121 Burnet St., Cincinnati, O.
8CYP—C. R. Pardridge, Jr., 118 S. Water, Saginaw, Mich.
8CYQ—R. W. Pitt, 343 Birr St., Rochester, N. Y.
8CYR—H. E. Satterfield, 713 E. End Ave., Pittsburgh, Pa.
8CYS—R. M. Whitmer, 91 Wabash, Battle Creek, Mich.
8CYT—C. A. Myers, 434 Perkins St., Akron, O.
8CYU—G. W. Gravatt, 2172 Alger Rd., Lakewood, O.
8CYV—G. Snow, Jr., 5538 Northumberland Av., Pitts., Pa.
8CYW—M. E. Kopf, 16 W. 7th St., Monroe, Mich.
8CYX—G. A. Atwater, 13621 Blenheim Rd., Cleveland, O.
8CYY—P. J. Hiller, 1558 Winchester Ave., Lakewood, O.
8CYZ—H. K. Shaw, 364 Beechwood Drive, Akron, O.
8CZ—H. G. Jones, 806 E. Vine St., Mt. Vernon, O.
8CZA—J. M. VanCott, 7420 Warren Ave. E., Detroit, Mich.
8CZB—D. McGeorge, 3289 Dellwood Rd., Cleveland, O.
8CZC—H. M. Gilman, 4150—2d Blvd., Detroit, Mich.
8CZD—W. H. Fuller, 4326 Hamilton St., Detroit, Mich.
8CZE—C. Springett, 12 Clinton St., Fairport, N. Y.
8CZF—L. J. Schoeneman, Anchorville, Mich.
8CZG—A. J. Seeley, 314 Locust St., Williamsport, Pa.
8CZH—C. Frick, 318 Boyd Ave., Van Wert, O.
8CZI—L. C. Roess, 112 Innis St., Oil City, Pa.
8CZJ—O. H. Bonter, 226 Ross St., Cambridge Springs, Pa.
8CZK—C. A. Schmidle, Center Ave., Ebenezer, N. Y.
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8CZM—H. Bormann, 3172 W. 114th St., Cleveland, O.
8CZN—C. A. Gimmy, 13503 Emily St., E. Cleveland, O.
8CZO—C. Gault, R.F.D. No. 2, Ypsilanti, Mich.
8CZP—Boy Scouts of Am., Troop 31 (Camp), Weles Is., N.Y.
8CZQ—E. L. Yates, 21 Parson St., Binghamton, N. Y.
8CZR—R. E. Stealey, 947 Market St., Parkersburg, W. Va.
8CZS—A. W. Palmer, 213 S. State St., Ann Arbor, Mich.
8CZT—B. Kimber, 62 Casterton Ave., Akron, O.
8CZU—K. W. Conrad, 5 Lincoln Ave., Batavia, N. Y.
8CZV—Loyd Brothers, N. Main St., Wellington, O.
8CZW—R. Spence, 208 Putnam Ave., Marietta, O.
8CZX—J. D. Agostine, 137 Monongalia, Morgant'n, W. Va.
8CZY—R. Stephens, E. State St., Scottsville, Mich.
8CZZ—H. L. Prange, 1003 Short St., Kalamazoo, Mich.
8DA—H. Reich, 3000 Berkshire Rd., Cleveland Hgts., O.
8DAA—J. Briggs, 29 Taylor St., Cortland, N. Y.
8DAB—A. H. Ernst, 147 Garvin Ave., Elyria, O.
8DAC—W. Woodroe, 1417 Clairmount Ave., Detroit, Mich.
8DAD—S. Mueller, 2818 Corydon Rd., Cleveland Hgts., O.
8DAE—J. E. Erickson, 1214 Carlyon, E. Cleveland, O.
8DAF—R. L. Kistler, 7467 McClure Ave., Swissvale, Pa.
8DAG—O. B. Slocum, 8 Wagar Pl., Ionia, Mich.
8DAH—H. L. Pearson, 1028 Morrison Ave., Pittsburgh, Pa.
8DAI—H. E. Johnston, 620 Chandler Ave., Detroit, Mich.
8DAJ—R. H. Collingnon, 2222 Willow, Niagara Falls, N. Y.
8DAK—E. P. Durr, 4730 N. Edgewood Av., Cincinnati, O.
8DAL—A. Eckhart, 2104—3d St., Dayton, O.
8DAM—M. S. Specht, 141 W. Liberty St., Wooster, O.
8DAN—Ann Arbor High School, Ann Arbor, Mich.
8DAO—R. E. Urban, 13905 Shaw Ave., E. Cleveland, O.
8DAP—W. B. Frazer, 727 Frost Ave., Rochester, N. Y.
8DAQ—G. A. Morse, R.F.D. No. 2 Williamson, N. Y.
8DAR—K. M. R. Miller, 468 Glenwood, Rochester, N. Y.
8DAS—H. McClain, Box 262, Millersburg, O.
8DAT—S. F. Northcott, 1204 Birney, N., Bay City, Mich.
8DAU—W. A. Warren, 2210 N. East St., Lansing, Mich.
8DAV—D. P. T. Christy, Harrison Ave., Old Forge, N. Y.
8DAW—R. B. Whitehurst, Sycamore, O.
8DAX—C. J. Collum, R.F.D. 2, Pinconning, Mich.

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8DBA—F. B. Hamilton, 9 Ridge Ave., Youngstown, O.
8DBB—G. E. Guernsey, Depot St., West Springfield, Pa.
8DBC—J. J. Hazard, 37 State St., Saratoga Springs, N. Y.
8DBD—K. H. Lewis, Ridge Rd., Middleport, N. Y.
8DBE—A. Crowe, 318 Jackson St., Vandergrift, Pa.
8DBF—G. F. Martin, 720 Hill Ave., Wilkinsburg, Pa.
8DBG—B. R. Wedemann, 705 E. Market St., Scranton, Pa.
8DBH—C. D. Foster, R.F.D. No. 2, Lakeview, Mich.
8DBI—E. E. Seymour, 1221 Columbus Ave., Sandusky, O.
8DBJ—L. S. Winans, 622 Burdick St., Kalamazoo, Mich.
8DBK—P. Hansen, 1802 Sanderson Ave., Scranton, Pa.
8DBL—C. W. Donner, 429 Main St., Berlin, Pa.
8DBM—S. E. Taggart, 446 N. Buckeye St., Wooster, O.
8DBN—J. W. Eckenrode, 117 Park Ave., Wilkes-Barre, Pa.
8DBO—G. B. Beiswanger, 622 N. Locust, Adrian, Mich.
8DBP—C. E. Crites, Tuscarawas, O.
8DBQ—L. M. Depp, 919 E. Mahoning, Punxsutawney, Pa.
8DBR—D. M. Ryan, 1007 Lamb St., Utica, N. Y.
8DBS—R. Isbitsky, 107 Page St., Kingston, Pa.
8DBT—R. E. Goddard, 41 Prospect St., Ashtabula, O.
8DBU—J. B. Gordon, 2064 Carabel St., Lakewood, O.
8DBV—F. B. Maynard, 443 Franklin St., Palmerton, Pa.
8DBW—J. L. Smith, N. Y. State Armory, Syracuse, N. Y.
8DBX—P. Renton, 1009 Ann St., Homestead, Pa.
8DBY—H. Frosell, 310 W. Central Av., S. Williamsport, Pa.
8DBZ—N. W. Schmidt, R.R. 13, Dayton, O.
8DC—P. Reveal, Scott St., Springfield, O.
8DCA—W. L. Horn, 3952 Howley Ave., Pittsburgh, Pa.
8DCB—F. Trausch, 812 Putnam St., Findlay, O.
8DCC—W. J. Gamblin, 104 E. Main, Buckhannon, W. Va.
8DCD—L. Shoff, 527 W. Jefferson St., Grand Ledge Mich.
8DCE—A. C. Lugibill, N. High St., Columbus Grove, O.
8DCF—V. M. French, 31 Kingsville Ave., Ashtabula, O.
8DCG—J. D. Brewer, 434 N. Main St., Ada, O.
8DCH—E. L. Baumann, 5 Parkman St., Warren, O.
8DCI—P. L. Derr, 236 W. Main St., Ravenna, O.
8DCJ—R. W. Neal, 411 High St., Conneaut, O.
8DCK—A. C. Gerren, Frankfort, Pa.
8DCL—R. J. Thompson, 229 S. College St., Washington, Pa.
8DCM—R. J. McClain, 6 Chestnut St., Cooperstown, N. Y.
8DCN—A. K. Hoose, 135 Grant St., Painesville, O.
8DCO—J. F. Johnston, Jr., 504 Sheldon, Grand Haven, Mich.
8DCP—A. J. Hawley, 304 Delaware, Walton, N. Y.
8DCQ—C. Grace, Woodland Ave., Conneaut, O.
8DCR—D. F. Starr, Box 15, Sinclair Steubenville, O.
8DCS—P. Crouch, 198 Granville St., Newark, O.
8DCT—H. D. Harriss, 447 River St., Manistee, Mich.
8DCU—H. G. Bonta, 20 Shoemaker St., Forty Fort, Pa.
8DCV—E. Schreengost, E. Francis, Connellsville, Pa.
8DCW—W. W. Simpson, Saranac, Mich.
8DCX—M. Vandervoken, 2206 Washington, Scranton, Pa.
8DCY—Kalamazoo High School, Kalamazoo, Mich.
8DCZ—H. Johnson, 209½ S. Main, Upper Sandusky, O.
8DD—N. C. Nichols, 7725 Dorcum Rd. Cleveland, O.
8DDA—L. N. Howe, 9 Judson St., Canton, N. Y.
8DDB—W. J. Reilly, 14889 Klusman, Cleveland, O.
8DDB—W. J. Reilly, 3274 E. Yorkshire St., Cleveland Height, Cleveland, O.
8DDC—J. E. Wile, 564 N. Grant St., Wooster, O.
8DDD—D. T. Poling, Philippi, W. Va.
8DDE—C. R. Havens, 82 Jefferson St., Columbus, O.
8DDF—W. W. Kohll, 351 Monroe St., Tiffin, O.
8DDG—W. C. Hovey 30 Henrietta St., Amsterdam, N. Y.
8DDH—E. R. Reithmiller, 434 Stewart Ave., Jackson, Mich.
8DDI—H. R. Heffernan, Sherwood, N. Y.
8DDJ—M. H. Tanner, 557 2nd St., Gallipolis, O.
8DDK—F. W. Brice, 119 E. Pine St., Washington, Pa.
8DDL—J. McKay, 74 Webster St., North Tonawanda, N. Y.
8DDM—C. Kelly, Kirkland, N. Y.
8DDN—F. M. Kimble, Davis, W. Va.
8DDO—C. M. Knelsel, 908 4th St., Fairmont, W. Va.
8DDP—L. T. Hyer, Howard St., Sabina, O.
8DDQ—Norwalk High School, Norwalk O.
8DDR—R. Harris, 601 W. Jefferson, Grand Ledge, Mich.
8DDS—H. E. Seamans, Marathon, N. Y.
8DDT—D. S. Madill, 413 Indiana, South Haven, Mich.
8DDU—W. O. Parmington, 376 Garson, Rochester, N. Y.
8DDV—J. L. Stiles, Rensselaer Falls N. Y.
8DDW—E. L. Long, 34 Burgoyne St., Schuylerville, N. Y.
8DDX—W. S. King, 419 W. College St., Canonsburg, Pa.
8DDY—P. W. Sigafosse, Main & W. Saffel, Sycamore, O.
8DDZ—I. G. Scheetz, R. F. D. 1, Coshocton, O.
8DE—F. C. Potts 1851 Middle St., Sharpsburg, Pa.
8DEA—H. G. Heldt, Jr., 327 Franklin St., Lansing, Mich.
8DEB—F. Beddow, 916 S. Main St., Mt. Pleasant, Mich.
8DEC—R. N. Williams, 111 E. Embarge, Rome, N. Y.
8DED—W. Sakkers, 53 7th St., Holland Mich.
8DEE—P. N. Kugler, 37 1st St., Port Carbon, Pa.
8DEF—J. B. Allen, 12 Marvin St., Clinton, N. Y.
8DEG—H. E. Falk, 708 Harrison St., Monroe, Mich.
8DEH—W. W. Brewer, 1142 Orchard Coshocton, O.
8DEI—S. T. Vanderbilt, 304 Guy Park, Amsterdam, N. Y.
8DEJ—C. E. Trombley, 5151 Wabash, Detroit, Mich.
8DEK—R. L. Atwell, 321 Main St., Granville, O.
8DEL—K. W. Miles, 627 Pipestone, Benton Harbor, Mich.
8DEM—E. F. Brooke, Pickerington, O.
8DEN—H. E. Preston, 8 Amsbry St., Binghamton, N. Y.
8DEO—G. Guettler, 511 Harrison St., Monroe, Mich.
8DEP—D. A. Wilbur, 518 S. Kinney, Mt. Pleasant, Mich.
8DEQ—H. O. Stone, Wilmington Rd., New Castle, Pa.
8DER—I. N. Browell, 350 Delaware St., Palmerton, Pa.
8DES—W. W. Lamb, 504 Main St., Wheeling, W. Va.
8DET—W. H. Vogler, 117 Lafayette W. Detroit, Mich.
8DEU—F. B. Kent, 189 Conklin Ave., Binghamton, N. Y.
8DEV—C. T. Rymer, S. State St., Clark's Summit, Pa.
8DEW—W. Winn, 220 Reo Ave., Lansing, Mich.
8DEX—F. M. Young, S. Woodward, Birmingham, Mich.
8DEY—S. E. Brown, Corning, O.
8DEZ—R. Wingman, Romney, W. Va.
8DF—Cleveland Yacht Club, Cleveland, O.
8DFA—W. Wisler, 935 Dewalt Ave., NW., Canton, O.
8DFB—L. V. Wells, 325 Smith Ave., Lansing, Mich.
8DFC—O. A. Hutcheson, 812 Stealey, Princeton, W. Va.
8DFD—F. L. Buck, 30 Leroy St., Potsdam, N. Y.
8DFE—G. W. Thomas, 241 Shawnee, Plymouth, Pa.
8DFF—K. Hyberger, 823 N. Cory Ave., Findlay, O.
8DFG—I. C. McAlarney, Jr., 65 Gaylord, Plymouth, Pa.
8DFH—W. Petertyl, 629 W 7th St., Traverse City, Mich.
8DFI—R. Aldrich, 145 Main St., Gouverneur, N. Y.
8DFJ—G. McBride, 611 Midland St., Bay City, Mich.
8DFK—C. H. Peck, 426 Park Ave., Waverly, N. Y.
8DFL—V. Smith 418 Friendship St., Medina, O.
8DFM—I. T. McKelvey, 157 Edgewood, Wheeling, W. Va.
8DFN—P. Narkon, 1228 Lincoln Ave., Utica, N. Y.
8DFO—W. B. Michael, 820 Walnut St., Caldwell, O.
8DFP—F. Shaffer, 934 S. Henry Ave., Elkins, W. Va.
8DFQ—H. J. Cartus 523 Industry St., Pittsburgh, Pa.
8DFR—R. A. Beach, Main St., Nichols, N. Y.
8DFS—B. Bisnette, 230 E. 4th St., Port Clinton, O.
8DFT—H. B. Stephenson, 72 Victoria Ave., Buffalo, N. Y.
8DFU—R. K. Morris, 1133 Edgewood, Charleston, W. Va.
8DFV—J. R. Criswell, 550 S. 4th St., Steubenville, O.
8DFW—F. D. Burdeno, 207 S. Jefferson St., Sturgis, Mich.
8DFX—L. L. Fredericks, Belton St., Hamilton, O.
8DFY—L. W. Rodgers, High St., Wadsworth, O.
8DFZ—E. L. Hokanson, Viand St., Point Pleasant, W. Va.
8DG—N. J. Groh, 151 Bradley St., Buffalo, N. Y.
8DGA—D. H. Patterson, 532 Winsor, Jamestown, N. Y.
8DGB—A. E. Harbeck Upper Saranac Lake, N. Y.
8DGC—M. E. Murtaugh, 56 Ball Park Dr., Grand Rapids, Mich.
8DGD—G. F. Barry, 616 Meadow Ave., Charleroi, Pa.
8DGE—F. E. Burke, 812 Walnut St., Wilkinsburg, Pa.
8DGF—I. D. Reid, 126-A Division St., Amsterdam, N. Y.
8DGG—R. Lee 26 Parsons St., Binghamton, N. Y.
8DGH—L. Dunlap, Main St., Bowerston, O.
8DGI—C. W. Larcombe, 304 Foot Ave., Jamestown, N. Y.
8DGJ—E. Hale, 450 N. South St., Wilmington, O.
8DGK—D. George, 108 Custer St., Vandergrift, Pa.
8DGL—Z. E. Forester, 461 Motheral St., Monessen, Pa.
8DGM—R. W. Cowell, Robina St., Berkley, Mich.
8DGN—D. K. Goeha, R. F. D. 504, Royal Oak, Mich.
8DGO—A. H. Cassin, 731 16th St., Port Huron, Mich.
8DGP—L. W. Fraser, 2964 Essex Rd., Cleveland Hgt., O.
8DGQ—G. Russell, Jr., 1119 E. 113th St., Cleveland, O.
8DGR—J. C. Carpenter, 2859 Hampshire, Cleveland Hgts., O.
8DGS—D. Johnston, Euclid Beach Pk., Cleveland, O.
8DGT—M. T. Rahde, 601 Fitzhugh St., Bay City, Mich.
8DGU—Petoskey High School, Petoskey, Mich.
8DGV—C. A. Drescher, 1169 E. 145th St., Cleveland, O
8DGW—I. W. Swindler, 852 E. Exchange St., Akron, O.
8DGX—R. N. Earley, 1001 Allegheny, Pittsburgh, Pa.
8DGY—H. G. Caproni, 601 Weber Ave., Akron, O.
8DGZ—M. W. Claire, 2025 Elmwood, Springfield, O.
8DH—A. W. Russin, Oak Hill Rd., Endicott, N. Y.
2DHA—R. H. Stroth, 1116 E. 125th St., Cleveland, O.
8DHB—J. M. Guyton, 48 Evans St., Uniontown, Pa.
8DHC—N. L. Urban, 517 N. Market Ave., Canton, O.
8DHD—H. P. Gould, 753 Brookline Blvd., Pittsburgh, Pa.
8DHE—C. H. Wenger, 822 Gilmore Ave. NW., Canton, O.
8DHF—L. T. Foody, Union St., Fultonville, N. Y.
8DHG—J. P. Weiss, 3002 Carson St., Pittsburgh, Pa.
8DHH—C. Theel, R. F. D. 3, Yale, Mich.
8DHI—J. C. P. Lewis, Main St., Brockton, N. Y.
8DHJ—H. L. Roe, 7241 Finance St., Pittsburgh, Pa.
8DHK—J. H. Hackenberg, 915 Madison Ave., Columbus, O.
8DHL—L. S. Dorsey, Jr., 14 N. Bouquet, Pittsburgh, Pa.
8DHM—A. F. Burgess, 121 S. Cedar St., Owosso, Mich.
8DHN—J. H. Barclay, Jr., 1332 Prichard, Pittsburgh, Pa.
8DHO—R. C. Carpenter, 228 Delaware, Syracuse, N. Y.
8DHP—M. S. Richards, 117 S. Blakely St., Dunmore, Pa.
8DHQ—D. L. Perrot, Chesaning, Mich.
8DHR—C. H. Phelps, 22 Cartwright Ave., Sidney, N. Y.
8DHS—E. G. Livingston, 314 Broadway, Findlay, O.
8DHT—C. R. Ringle, 341 Freeport Ave., Aspinwall Pa.
8DHU—E. B. Le Fevre, 401 E. John St., Maumee, O.
8DHV—H. G. Oakes, R. F. D. 2, Mauch Chunk, Pa.
8DHW—B. C. Simpson, 37 Cresson St., Pittsburgh, Pa.
8DHX—H. Sherman, 46 Ellenwood Ave., Youngstown, O.
8DHY—D. W. L. Howe, 49 Florida Ave., Youngstown, O.
8DHZ—C. Frantz, 121 Park Pl., Kingston, Pa.
8DI—Dusenberry Radiolectric Station, Pontiac, Mich.
8DIA—P. S. Van Deusen, 327 S. Willow St., Kent, O.
8DIB—A. B. West, 426 N. Walnut St., Wilmington, O.
8DIC—R. Melhuish, Jr., 29 Goodwin St., Kingston, Pa.
8DID—C. E. Merritt, Westmoreland, N. Y.
8DIE—L. J. Peters, 12415 Phillips Ave., Cleveland, O.
8DIF—R. Goettmann, 1122 Davis Ave., Pittsburgh Pa.
8DIG—C. H. Baird, 329 S. Richardson Ave., Columbus, O.
8DIH—H. I. Schmitt, 4458 Canton Ave., Detroit, Mich.
8DII—A. F. Turner, 7463 Kipling Ave., Detroit, Mich.
8DIJ—R. W. MacGregor, Jr., 221 N. Jefferson, Dayton, O.
8DIK—F. T. Gibbs, Main St., Westmoreland, N. Y.
8DIL—H. W. Gilmore, 26 Washington, Ypsilanti, Mich.
8DIM—G. Russell, Jr., 293 Kedder St., Wilkes-Barre, Pa.
8DIN—W. B. Russell 428½ 9th St., Niagara Falls, N. Y.
8DIO—J. J. Sella, 1946 W. Liberty Ave., Pittsburgh, Pa.
8DIP—S. M. George, Beesville, O.
8DIQ—W. J. Titzel, Glenshaw, Pa.
8DIR—W. H. Allen, 361 W. 3rd St., Elmira, N. Y.
8DIS—A. E. Newton 840 N. Main St., Jamestown, N. Y.
8DIT—H. Keith, 221 Junction Ave., Detroit, Mich.
8DIU—C. F. Bonbright, 812 St Nicholas, Dayton, O.
8DIV—L. Dusenbury, 111 Lafayette St., Pontiac, Mich.
8DIW—L. F. Mill, 11211 Detroit St., Cleveland. O.
8DIX—H. B. Nolce, 22 N. Ogden Ave., Columbus, O.
8DIY—J. R. Leach, Middletown, O.
8DIZ—J. V. Heisch, 511 Carolyn Ave., Bellevue, Pa.
8DJ—D. C. Meyer, 1485 E. 108th St., Cleveland, O.
8DJA—D. Stein, 2012 Lawrence St., Toledo. O.
8DJB—N. C. Lewis, 2921 Urwiller Ave., Cincinnati, O.
8DJC—K. Hukhizer, 303 S. Main St., Granville, O.
8DJD—D. Richards, 1372 Eastwood St., Columbus, O.
8DJE—L. Coll, 627 Broadway, Buffalo, N. Y.
8DJF—H. S. Berleczky, 120 Park Ave., Barberton, O.
8DJG—P. M. Wetz, 2020 Salem Ave., Dayton, O.
8DJH—R. Bartzoff, 3 Norway Pk., Buffalo, N. Y.
8DJI—G. H. Matchett, 19125 Nottingham, Cleveland, O.
8DJJ—T. Richards, 1727 E. Tuscarawas St., Canton, O.
8DJK—C. Butterfield, 10 Conewango Pl., Warren, Pa.
8DJL—P. L. Shellhorn, Lykens O.
8DJM—H. E. Warren, 40 McGraff St., Muskegon, Mich.
8DJN—V. E. Rehark, 2940 Noble St., Cleveland Hgts., O.
8DJO—C. H. McKelvey, 1110 Ridge Ave. Latrobe, Pa.
8DJP—G. E. Sadlon, Box 131, Russellton, Pa.
8DJQ—C. B. Sprague, 141 Jacob St., Penn Yan, N. Y.
8DJR—S. P. French, Barneve'd, N. Y.
8DJS—T. M. Hughes, 311 Lenox Ave., Oneida, N. Y.
8DJT—R. McGinnis, 1214 Faulkner St., Pittsburgh, Pa.
8DJU—L. J. Hall, 83 W. 1st St., Mansfield, O.
8DJV—T. Brain, 53 Sheridan St., Miners Mills, Pa.
8DJW—W. W. King, 26 2nd St., Waterford, N. Y.
8DJX—L. C. White, 917 Dickle Ave., Parkersburg, W. Va.
8DJY—R. Atherton, R. 3, Harrison, O.
8DJZ—H. W. French, 819 Eureka St., Lansing, Mich.
8DK—M. M. Weisensee, 2624 Dennis St., Cincinnati, O.
8DKA—L. Augustus, 416 Florence St., Ypsilanti, Mich.
8DKB—C. N. Lawter, 1106 Washington Huntington, W. Va.
8DKC—J. A. Wilson, c/o Crescent Engraving Co., Kalamazoo, Mich.
8DKD—G. N. M. Collier, Forrest Ave., Frankfort, Mich.
8DKE—H. E. Aller, 630 Catherine, Syracuse, N. Y.
8DKF—W. Webb, 2319 Hillside Pl., Kalamazoo Mich.
8DKG—J. C. Moulton, 629 W. 9th, Traverse City, Mich.
8DKH—F. S. Wright, North Fairfield, O.
8DKI—N. G. Geracinos, 12 Hertyel St., Warren, Pa.
8DKJ—J. F. Byrne, 728 E. Mound St., Columbus O.
8DKK—G. B. Wright, 62 Marshall St., Coldwater, Mich.
8DKL—R. A. Gray, 10 Clinton St., Homer, N. Y.
8DKM—E. L. Griffiths, 878 N. Howard St., Akron, O.
8DKN—G. M. Grady, 74 Pacemont Rd., Columbus, O.
8DKO—G. McGeorge, 1441 Rellview, Steubenville, O.
8DKP—C. E. Carpenter, 7 Champlain, Whitehall, N. Y.
8DKQ—D. L. Farrell, 327 Shonnard, Syracuse, N. Y.
8DKR—L. H. Goss, Beach Haven, Pa.
8DKS—E. R. Vincent, 25 Middle St., Unlontown, Pa.
8DKT—W. E. Rowell, 23 Oneida St., Baldwinsville, N. Y.
8DKU—W. H. St. Clair, 2733 E. 116th St., Cleveland, O.
8DKV—S. Kime, North Fairfield, O.
8DKW—H. M. Ervin, 506 S. St. Clair, Painesville, O.
8DKX—R. M. Ferry, 62 North St., Binghamton, N. Y.
8DKY—N. L. Stoll, 235 Mulberry St., Buffalo, N. Y.
8DKZ—N. W. Griswold, 1125 Miller St., Utica, N. Y.
8DL—N. W. Daubenbis, 2638 Dennis St., Cincinnati, O.
8DLA—A. W. Blanchard, 75 E. Tompkins, Columbus, O.
8DLB—L. M. Gunniss, Water St., Algonac, Mich.
8DLC—C. F. Whitney, 502 W. Cross, Ypsilanti, Mich.
8DLD—S. E. Chipman, 708 Maple St., Battle Creek, Mich.
8DLE—N. P. Merrill, Clay & Michigan Algonac, Mich.
8DLF—I. England (Antioch College), Yellow Springs, O.
8DLG—S. H. Neddermeyer, Richmond, Mich.
8DLH—K. B. Houston, 432 Holt St., Dayton, O.
8DLI—W. A. McAllster, Parnassus, Pa.
8DLJ—C. A. Pilkington, Portland, Mich.
8DLK—A. E. Byerlein 2409 Maplewood St., Toledo, O.
8DLL—R. C. Schall, Luther, Mich.
8DLM—E. Johnson, Rochester, Mich.
8DLN—R. W. McCracken, 46 S. 3d St., Cuyahoga Falls, O.
8DLO—R. E. Williams, Commerce St., Milford, Mich.
8DLP—A. Ketzler, 1034 Oak St., Flint, Mich.
8DLQ—H. A. Walker, 1312 Beach St., Flint, Mich.
8DLR—L. L. Hotchkiss, S. R. Pratt, 1040 Jefferson St., Scranton Pa.
8DLS—F. Jennings, 2221 Whitney St., Toledo, O.
8DLT—M. W. Howe, 9 Judson St., Canton, N. Y.
8DLU—P. Labato, 201 E. Myrtle Ave., Youngstown, O.
8DLV—D. Miller, 748 Broad St., Conneaut, O.
8DLW—J. R. Sunderland, 8 W. Hudson Ave., Dayton. O.
8DLX—H. Vanderwal, 325 Franklin, Grand Haven, Mich.
8DM—P. L. Hexter, 1543 East Blvd., Cleveland, O.
8DN—R. Flora, Sylvania, O.
8DO—J. F. Atwood, Jr., 155 Brighton Rd., Columbus, O.
8DP—W. Walker, Marlette, Mich.
8DQ—E. L. Eiszler, 2387 Calif. Ave., Pittsburgh, Pa.
8DR—J. B. Coleman, 328 Locust, Edgewood, Pittsburgh, Pa.
8DS—W. R. Hoffman, 403 S. 7th St., Ann Arbor. Mich.
8DT—F. J. Demarest, 811 Walnut St., Williamsport, Pa.
8DU—P. H. Button, 6195 McMillan Ave., Detroit, Mich.
8DV—A. L. H. Darragh, 255 College Ave., Beaver, Pa.
8DW—J. Penherthy, 1674 Philadelphia Ave., Detroit, Mich.
8DX—H. J. Walsh, 2910 Gladwin Ave., Detroit, Mich.
8DY—L. E. Bush, 92 Walnut St., Binghamton, N. Y.
8DZ—W. Kaus, Euclid Ave., Springfield, O.
8EA—G. A. McIntosh, 1388 Elm St., Detroit, Mich.
8EB—R. M. Blair, 3930 Ivanhoe Ave., Norwood, O.
8EC—M. F. McDowell, 3868 Olentangy Blvd., Columbus, O.
8ED—C. Benjamin, 174 Glasgow St., Clyde, N. Y.
8EE—L. P. Hamburger, Jr., Camp Idlew'd, S. Schroon, N.Y.
8EF—A. D. Miller, 219 Hazelett Ave. N.W., Canton, O.
8EG—W. J. Brown, Red Rock, Pa.
8EH—E. S. Leavenworth, 8998 Martindale St., Detroit, Mich.
8EI—A. I. Frankel, 900 E. Main St., Rochester, N. Y.
8EJ—Trade High School, Neilston & Spring, Columbus, O
8EK—S. S. Breenwood, 814 Broad St., St. Joseph, Mich.
8EL—T. Myers, Jr., 41 Michigan Ave., Buffalo, N. Y.
8EM—R. J. Evans, 1500 Neilson St., Utica, N. Y.
8EN—C. Hillman, 2800 Veteran St., Pittsburgh, Pa.
8EO—B. S. Clark, 715 E. Malden St., Washington, Pa.
8EP—A. B. Schwer, 901 W. Washington, Grafton, W. Va.
8EQ—H. D. Davis, Davis St., Bolivar, N. Y.
8ER—L. W. Hughes, 938 Richie Ave., Lima, O.
8ES—G. G. Collins, 601 Copley Rd., Akron, O.
8ET—F. Jambor, 1405 E. 52d St., Cleveland, O.
8EU—E. L. Maneval, 1410 W. 4th St., Williamsport, Pa.
8EV—L. M. Levison, 163 Grant Ave., Vandergrift, Pa.
8EW—G. B. Cramp, 11 Oregon Ave., Grafton, Pa.
8EX—C. A. Plunkett, Jr., Lewisburg, W. Va.
8EY—H. E. Burns, 111 W. John St., Martinsburg, W. Va.
8EZ—T. A. King, 106 Brown St., Dayton, O.
8FA—A. M. Stellwagen, 312 E. Jefferson, Ann Arbor, Mich.
8FB—R. C. Devinney, 1224 Boyle St., Pittsburgh, Pa.
8FC—S. Ford, 904 Forest Ave., Ann Arbor, Mich.
8FD—E. D. McCommon, 268 N. Market St., E. Palestine, O.
8FE—A. H. Benzee, Jr., 60 Westfield Rd., Eggertsville, N.Y.
8FF—W. F. Davis, New Straitsville, O.
8FG—C. Ross, 3016 Montgomery St., Detroit, Mich.
8FH—V. J. Lapp, 32 Church St., LeRoy, N. Y.
8FI—H. L. LeVanway, 1013 Prospect St., Lansing, Mich.
8FJ—O. D. Bower, 834—4th St., Marietta, O.
8FK—P. A. Marsal, 1527 Lakeland St., Lakewood. O.
8FL—W. W. Mester, 2170 W. 95th St., Cleveland, O.
8FM—Clare L. Guswiler, Church St., Roscoe, Pa.
8FN—W. Throm, 2325 Vine St., Cincinnati, O.
8FO—W. M. Near, 210 Orange St., Jackson, Mich.
8FP—P. Tennyson, 102 W. Union St., Natticoke, Pa.
8FQ—F. A. Baumgarten, 1624 Beechwood Blvd., Pittsburgh.
8FR—S. I. Davis, 30 Winders St., Pittsburgh, Pa.
8FS—R. M. Fetzer, 832 Shorb Ave. N.W., Canton, O.
8FT—L. E. Furrow, 420 Lake St., Troy, O.
8FU—E. J. Allen, 624 Jefferson Ave., Defiance. O.
8FV—C. W. Thorpe, Washington Ave., Cobleskill, N. Y.
9FW—R. E. Brigham, 111 Main St., Oneonta, N. Y.
8FX—R. P. Thetreau, 5012 Sheridan Ave., Detroit, Mich
8FY—W. L. Leatherman, 321 Gordon Ave., Van Wert, O.
8FZ—G. W. Van Kirk, 196 S. Wash., Wilkes-Barre, Pa.
8GA—F. H. Roush, 575 Alger Ave., Detroit, Mich.
8GB—Boy Scouts of America, Lansing, Mich.
8GC—W. G. Chandler, Blank St., Sylvania, O.
8GD—J. R. David, 743 Brice Ave., Lima, O.
8GE—E. Anderson, Douglas, Mich.
8GF—C. H. Pickett, 26 Church St., Hornell, N. Y.
8GG—E. H. Snider, 20 Normandy Ave., Rochester, N. Y.
8GH—H. J. Shafer, Community Drive, Dayton, O.
8GI—H. L. LeVanway, 211 E. Saginaw, Lansing, Mich.
8GJ—P. M. Eicks, 14 Brockway Ave., Morgantown, W. Va.
8GK—E. G. Goetz, 157 Ideal St., Buffalo, N. Y.
8GL—Franklin High School, Otter St., Franklin, Pa.
8GM—J. H. Shera, 117 W. Walnut St., Oxford, O.
8GN—A. L. Plews, 106 Kern Ave., Clarksburg, W. Va.
8GO—E. R. Wendell, Bancroft Drive, Greece, N. Y.
8GP—J. E. Law, Jr., 216 Sycamore St., Clarksburg, W. Va.
8GQ—R. Moore, 365 Morrison Ave., Columbus, O.
8GR—G. Norris, 8416 Brush St., Detroit, Mich.
8GS—H. S. Brooks, 151 W. 1st St., Fulton, N. Y.
8GT—B. M. Lacey, 1993 Euclid Ave., Detroit, Mich.
8GU—F. D. Billey, 450 W. 9th St., Erie, Pa.
8GV—A. N. Edwards, 2206 Burnet Ave., Cincinnati, O.
8GW—G. W. McKay, 32 W. 3d St., Xenia, O.
8GX—E. W. Thatcher, 180 W. College, Oberlin, O.
8GY—L. D. Conau, Jr., 1611 Lakefront, E. Cleveland, O.
8GZ—L. G. Windom, 1375 Franklin Ave., Columbus, O.
8HA—A. L. Wahl, Pioneer Ave., Pittsburgh, Pa.
8HB—City of Cleveland Water Dep., Crib 3 (in Lake Erie), Cleveland, O.
8HC—F. J. Alles, 14 Garnet Lane, Wilkes-Barre, Pa.
8HD—M. J. Columbe, 26 River St., Plattsburg, N. Y.
8HE—R. Gaylord, 73 N. Front St., Cuyahoga Falls, O.
8HF—Evening News Assn., 615 W. Lafayette, Columbus, O.
8HG—P. D. Breeze, 221 E. Northwood Ave., Columbus, O.
8HH—H. Bowman, 431 Ashland Ave., Detroit, Mich.
8HI—G. F. Wheeler, 806 Fallowfield St., Charleroi, Pa.
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8HL—E. S. Marvin, 121 W. Miller St., Elmira, N. Y.
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8HN—W. E. Batchelldor, 396 Vine St., Akron, O.
8HO—W. Weaver, 321 Division St., Ann Arbor, Mich.
8HP—J. J. McCormick, 11 Harlow St., Buffalo, N. Y.
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8HS—R. S. Munsell, 191 Center St., Ashtabula, O.
8HT—J. L. Egan, 120 Barton St., Buffalo, N. Y.
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8IC—L. C. Smith, 1800 Pearcy Ave., Parkersburg, Pa.
8ID—J. H. Sokutis, Geo. J. Noack, 5800 Broadway Ave., Cleveland, O.
8IE—O. G. Simmons, Junction City, O.
8IF—L. P. Young, 39 Division St., Fort Plain, N. Y.
8IG—F. J. Riley, 1216 Addison Rd., Cleveland, O.
8IH—H. C. Barton, 18 Myrtle St., Le Roy, N. Y.
8II—P. W. Lister, Oakwood Blvd. & Allen Rd., R.F.D. 2, Dearborn, Mich.
8IJ—J. P. Weirick, 221 S. Market St., Loudonville, O.
8IK—M. J. Granger, Snake Rd., Catskill, N. Y.
8IL—I. A. Norber, 41 Beattie Ave., Lockport, N. Y.
8IM—E. Halper, 2240 E. 97th St., Cleveland, O.
8IN—W. J. Gordon, 326 Main St., Taylor, Pa.
8IO—H. B. Joy, Mt. Clemens, Mich.
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8IQ—A. S. Bachtel, 151 Carman Rd., Akron, O.
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8IT—W. Loesch, 12517 Arlington St., Cleveland, O.
8IU—R. E. Sibert, 109 E. Benton St., Wapakoneta, O.
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8VC—H. S. Kibbe, 165 Parrish St., Canandaigua, N. Y.
8VD—R. L. Chambordon, Braeburn, Pa.
8VE—P. E. Wiggin & F. B. Westervelt, 5306 Westminster, Pl., Pittsburgh, Pa.
8VF—C. Hillman, 2800 Veteran St. N.S., Pittsburgh, Pa.
8VG—J. E. Harvey, 1323 Douglass Ave., Youngstown, O.
8VH—K. B. Lloyd, 251 E. 8th St., Erie, Pa.
8VI—R. Bidal, 3890 St. Clair Ave., Detroit, Mich.
8VJ—E. W. Tarbox, 535 W. Lima St., Findlay, O.
8VK—J. C. Clark, 89 N. Broadway St., Shelby, O.
8VL—R. E. Deemer, 3295 W. 44th St., Cleveland, O.
8VM—J. H. Smith, 1113 N. Park St., Kalamazoo, Mich.
8VN—Landon Bros., 130 Ave. F., East Pittsburgh, Pa.
8VO—U. G. Patterson, 35 E. State St., Gloversville, N. Y.
8VP—C. T. Hall, 423 Edgemont St., Pittsburgh, Pa.
8VQ—H. Stewart, Franklin St., Freeport, Pa.
8VR—J. P. Schaming, 3114 McClurg St. S.S., Pitts., Pa.
8VS—K. E. Davis, 194 Glendale Ave., Detroit, Mich.
8VT—W. Nelson, Route 5, Box 362, Yoral Oak, Mich.
8VU—H. L. Wadsworth, 501—8th St., Charleroi, Pa.
8VV—E. A. Munch, 105 Excelsior St., Pittsburgh, Pa.
8VW—J. W. Meyer, 1134 College Ave., Elmira, N. Y.
8VX—E. R. Lappe, 7125 Agnew St., Pittsburgh, Pa.
8VY—F. M. Louwaert, 1227 N. Burdick, Kalamazoo, Mich.
8VZ—E. A. Greene, 15 S. High St., Greenville, Pa.
8WA—A. B. Allen, 1549 Temple St., Detroit, Mich.
8WB—G. C. Kostelecky, 11802 Union Ave., Cleveland, O.
8WC—A. A. Michael, Amity Rd., Reading, O.
8WD—C. J. Jenks, 72 Clinton Ave., North East, Pa.
8WE—B. J. Geib, W. South St., Shreve, O.
8WF—T. R. Wayne, R.F.D. 6, Box 14, Bellefontaine, O.
8WG—E. Gualman, 538 Broad St., Elyria, O.
8WH—C. C. Peugeot, Stryker, O.
8WI—S. Lohmann, 307 W. Main St., Greenville, O.
8WJ—C. E. Floyd, 229 E. 5th St., Salem, O.
8WK—E. A. Wandler, 5939 Canton Ave., Detroit, Mich.
8WL—R. G. Peart, 715 Magnolia St., Toledo, O.
8WM—E. Reese, 230 W. Main St., Plymouth, Pa.
8WN—C. Luebs, 231 Grand Ave. W., Highland Pk., Mich.
8WO—L. H. Van Becelaere, M.D., 4471 W. Jeffersen St., Ecorse, Mich.
8WP—J. W. Speer, 2994 Euclid Hts. Bd., Cleve. Hgts., O.
8WQ—H. Wengate, 36 Stone St., Oneida, N. Y.
8WR—C. M. Chorpenning, 401 Cedar, Connellsville, Pa.
8WS—P. Louis, 600 California Ave., Oakmont, Pa.
8WT—A. J. Sands, 3 William St., Amsterdam, N. Y.
8WU—Penna. Wireless Mfg. Co., 507—511 Florence Ave., New Castle, Pa.
8WV—G. E. Hoffstetter, 79 S. 18th St., Columbus, O.
8WW—R. J. Haley, 599 Grant St., Buffalo, N. Y.
8WX—F. M. Williamson, 622 Helen Ave., Detroit, Mich.
8WY—S. W. Townsend, 79 Marvin Ave., Akron, O.
8WZ—Lee Davis, 240 Carr Ave., Clarksburg, W. Va.

Special Radio Stations of the Eight District

8XA—University of Michigan, Ann Arbor, Mich.
8XAC—W. B. Duck Co., Toledo, O.
8XAD—Federal Telephone & Telegraph Co., Buffalo, N. Y.
8XAE—H. B. Joy, 1740 Penobscot Bldg., Detroit, Mich.
8XAF—H. P. Hardesty, 396 Monteray, Highland Pk., Mich.
8XAG—Doron Bros. Elec. Co., Hamilton, O.
8XAH—Ohio Mechanics Institute, Cincinnati, O.
8XAI—Union Gas & Electric Co., Cincinnati, O.
8XAK—Wittenberg College, Springfield, O.
8XAM—Unassigned
8XAN—C. F. Nichols, Elm St., Webster, N. Y.
8XAO—Unassigned
8XAP—West Penn. Power Co., Pittsburgh, Pa.
8XAQ—Unassigned
8XAR—Unassigned
8XAS—H. B. Joy, 301 Lake Shore, Grosse Pointe, Mich.
8XAT—Unassigned
8XAU—Unassigned
8XAV—J. E. Page, Baldwinsville, N. Y.
8XAW—Unassigned
8XAX—Radio Sales Corp., 110 Spruce St., Scranton, Pa.
8XAY—Crosley Mfg. Co., Farms, Mich.
8XAZ—Unassigned
8XB—Precision Equipment Co., Cincinnati, O.
8XBA—Penn. Power & Lt. Co., Allenton, Pa.
8XBB—Penn. Power & Lt. Co., Allenton, Pa.
8XBC—Penn. Power & Lt. Co., Allenton, Pa.
8XBE—A. R. Marcu, 113 W. Raynor, Ave., Syracuse, N. Y.
8XBF—H. J. Patridge, 135 Broadway Ave., Dover, O.
8XBG—Doubleday-Hill Elec. Co., Pittsburgh, Pa.
8XBH—Unassigned
8XBI—T. W. Scott, 401 Cedar Ave., Connellsville, Pa.
8XBJ—Mich. Limestone & Chem. Co., Rogers City, Mich.
8XD—Ford Motor Co., Dearborn, Mich.
8XE—Pennsylvania State College, State College, Pa.
8XF—Kalamazoo College, Kalamazoo, Mich.
8XG—Willard Storage Battery Co., Cleveland, O.
8XH—C. B. Meredith, Cazenovia, N. Y.
8XI—Ohio State University, Columbus, O.
8XK—F. Conrad, 7712 Penn Ave., Pittsburgh, Pa.
8XL—Ford Motor Co., Northville, Mich.
8XM—M. H. Pancost, 1101 Climax St., Lansing, Mich.
8XN—Federal Telephone & Telegraph Co., Buffalo, N. Y.
8XO—Westinghouse Elec. & Mfg. Co., Cleveland, O.
8XP—Westinghouse Elec. & Mfg. Co., Cleveland, O.
8XQ—Rochester Gas & Elec. Co., Rochester, N. Y.
8XR—Entrekin Elec. Co., Columbus, O.
8XS—Westinghouse Elec. & Mfg. Co., Pittsburgh, Pa.
8XT—Cleveland Electric Illuminating Co., Cleveland, O.
8XU—Cornell University, Franklin Hall, Ithaca, N. Y.
8XV—F. S. McCullough, 126 Lincoln Ave., Pittsburgh, Pa.
8XW—Radio Electric Co., Pittsburgh, Pa.
8XX—Duquesne University, Pittsburgh, Pa.
8XY—West Penn. Power Co., Pittsburgh, Pa.
8YA—E. L. Colby, Cor. Genesee & South, Auburn, N. Y.
8YAA—Marietta College, Dept. of Physics, Marietta, O.
8YAB—Scott High School, Toledo, O.
8YAC—St. Xavier College, Cincinnati, O.
8YAD—C. M. Howe, Board of Education, Cincinnati, O.
8YAE—Oberlin College, Oberlin, O.
8YAF—University of Detroit, Detroit, Mich.
8YAH—College of Wooster, Wooster, O.
8YAI—Duquesne University, Pittsburgh, Pa.
8YAJ—Y. M. C. A., Cleveland, O.
8YD—Shaw Tech. School, E. Cleveland, O.
8YE—University of West Virginia, Morgantown, W. Va.
8YF—Unassigned

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8YG—Michigan Agricultural College, E. Lansing, Mich.
8YH—West Virginia University, Morgantown, W. Va.
8YI—University of Pittsburgh, Pittsburgh, Pa.
8YK—Ohio Wesleyan University, Delaware, O.
8YM—Denison University, Granville, O.
8YN—Battle Creek High School, Battle Creek, Mich.
8YO—Ohio State University, Columbus, O.
8YP—Seneca Vocational School, Buffalo, N. Y.
8YQ—Independent Wireless Telg Co., Buffalo, N. Y.
8YR—Miami University, Oxford, O.
8YS—University of Cincinnati, Cincinnati, O.
8YT—Mt. Union College, Alliance, O.
8YU—Y. M. C. A., Dayton, O.
8YV—Grove City College, Grove City, Pa.
8YW—College of the City of Detroit, Detroit, Mich.
8YX—University of Cincinnati, Cincinnati, O.
8YY—Antioch College, Yellow Springs, O.
8YZ—Peabody High School, Pittsburgh, Pa.
8ZA—C. J. Murray, 718-726 W. Fair St., N. Phila., O.
8ZAB—C. P. Goetz, 1128 Atwood Ave., Cincinnati, O.
8ZB—C. S. Taylor, 598 Masten St., Buffalo, N. Y.
8ZC—R. E. Humes, 834 Jefferson St., Springfield, O.
8ZD—P. E. Wiggin, 412 Whitney Ave., Wilkinsburg, Pa.
8ZE—E. Thatcher, 263 Elm St., Oberlin, O.
8ZF—M. H. Pancost, 1101 Climax St., Lansing, Mich.
8ZG—A. J. Manning, 252 McKinley St., Salem, O.
8ZH—Cino Radio Mfg. Co., Cincinnati, O.
8ZI—H. Grossman, 12343 Forest Grove, Cleveland, O.
8ZJ—A. L. Anderson, 17 E. Liberty St., Hubbard, O.
8ZK—E. W. Reeve, 1001 W. Washington, Ann Arbor, Mich.
8ZL—F. I. Phippeny, 136½ W. Grand, E. Lansing, Mich.
8ZM—E. B. Landon, 120 Avenue F, Pittsburgh, Pa.
8ZN—J. W. Kauffman, 208 Claremont Ave., Ashland, O.
8ZO—G. M. Withington, 316 5th St., Marietta, O.
8ZP—E. I. Deighan, 4515 Herman Ave., Cleveland, O.
8ZQ—R. C. Ehrhardt, 117 S. Blakely St., Dunmore, Pa.
8ZR—R. R. Palmer, 331 N. Penn. Ave., Lansing, Mich.
8ZS—J. H. Stenger, Sr., 66 Gildersleeve, Wilkes-Barre, Pa.
8ZT—J. H. Hampton, 26 Mechanic St., Pontiac, Mich.
8ZV—H. L. Ley, 619 4th St., Canton, O.
8ZW—J. C. Strobel, Jr., National Rd., Wheeling, W. Va.
8ZX—H. S. Weber, 1113 Walnut St., Dover, O.
8ZY—K. A. Duerk, 1000 Wilhelm St., Definance, O.
8ZZ—C. E. Darr, 137 Hill Ave., Highland Park, Mich.
8ZAA—W. Wright, 1119 E. Fountain, Springfield, O.
8ZAB—Shotton Radio Mfg. Co., Scranton, Pa.
8ZAC—C. H. Galloway, 612 Park St., Barnesville, O.
8ZAD—Experimental Radio Assn., Mayville, N. Y.
8ZAE—B. P. Williams, 3220 Orleans St., Pittsburgh, Pa.
8ZAF—R. C. Bohannan, 1816 Devon Rd., Columbus, O.
8ZAG—C. E. Holmes, 310 W. Brown, Grand Rapids, Mich.

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Dubilier	Kellogg	Belden
Mignon	Erla	Jewel
Amertran	Rauland	Willard
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9AA—C. T. Read, 507 W. 62d St., Chicago, Ill.
9AAB—R. J. Andrews, 821 Broadway, Denver, Colo.
9AAC—F. J. Larson, Le Roy, Minn.
9AAD—E. J. Doyle, 1440 Chase Ave., Chicago, Ill.
9AAE—D. O. Nichols, 935 60th St., Chicago, Ill.
9AAF—T. Pentzold, 440 Tamarack St., Laurium, Mich.
9AAG—M. S. Olson, Carver, Minn.
9AAH—Nemec & Plummer, 17 W. 8th, Cedar Rapids, Ia.
9AAI—C. L. Cahoon, 423 E. 7th St., Mt. Carmel, Ill.
9AAJ—T. J. Reid, 2101 N. Kedzie Ave., Chicago, Ill.
9AAK—C. H. Atchison, 6274 Famous Ave., St. Louis, Mo.
9AAL—F. L. Wilcox, 4602-A Delmar, St. Louis, Mo.
9AAM—R. Moen, Colfax, N. D.
9AAN—W. A. Roben, Ashton, Ia.
9AAO—G. H. Guett, 3406 Woodlawn, Kansas City, Mo.
9AAP—M. Szukalski, Jr., 1027 Windlake, Milwaukee, Wis.
9AAQ—H. Thellke, Jr., Ackley, Ia.
9AAR—E. F. Grosshouser, 205 Elgin, Forest Park, Ill.
9AAS—R. W. Field, 808 Frederica St., Owensboro, Ky.
9AAT—F. Trudelle, 245 Oneida, Milwaukee, Wis.
9AAU—C. Klenk, 3148 Halliday Ave., St. Louis, Mo.
9AAV—R. M. Sherrill, 2505 Hartzell St., Evanston, Ill.
9AAW—W. E. Schweitzer, 4264 Hazel Ave., Chicago, Ill.
9AAX—O. W. Manley, 3331 Lafayette Ave., Chicago, Ill.
9AAY—J. M. Hodge, 820 N. Main St., W. Lafayette, Ind.
9AAZ—R. Hoving, 1630 Blue Island, Chicago, Ill.
9AB—Unassigned
9ABA—Unassigned
9ABB—S. M. Babcock, Pecatonica, Ill.
9ABC—G. D. Walker, 554 Gilpin St., Denver, Colo.
9ABD—F. T. Pogle, 3232 5th Ave. S., Minneapolis, Minn.
9ABE—J. O. Weaver, 428 Tonti St., La Salle, Ill.
9ABF—R. J. Woolsey, 7242 Oleander St., Chicago, Ill.
9ABG—W. J. Reetham, Fennimore, Wis.
9ABH—J. L. Sandy, 4928 Washington Blvd., Chicago, Ill.
9ABI—K. O. Bang, 521 Riverside Ave., Crookston, Minn.
9ABJ—W. S. Felt, 323 Blaine St., Wellington, Kan.
9ABK—J. H. Leach, 3345-6 St., N. Minneapolis, Minn.
9ABL—H. W. Clark, 2805 Lafayette St., Ft. Wayne, Ind.
9ABM—W. Brown, 4815 Culloma Ave., Chicago, Ill.
9ABN—H. H. Parsons, 1866 12th Ave., Moline, Ill.
9ABO—W. Ladd, 308 4th St., Albion, Neb.
9ABP—C. E. Chase, 657 W. 4th St., Spencer, Ia.
9ABQ—J. C. Fear, Augusta, Wis.
9ABR—R. R. McKerrihan, 3075 S. Broadway, Denver, Colo.
9ABS—H. C. Stearns, Jr., 134 S. 19th Ave., Maywood, Ill.
9ABT—O. L. Preston, 1036 Erie St., Hammond, Ind.
9ABU—V. M. Cousins, Carrington, N. D.
9ABV—C. H. Rogers, 226 E. 6th St., Hutchinson, Kan.
9ABW—I. E. Drew, 6103-5 Greenfield, West Allis, Wis.
9ABX—J. M. Hurst, Long Point, Ill.
9ABY—J. S. Fossberg, 616 Dakota Ave., Huron, S. D.
9ABZ—T. L. Rowe, 1643 W. Adams St., Chicago, Ill.
9AC—J. E. Brennan, 5714 Race Ave., Chicago, Ill.
9ACA—W. H. Gulman, 4531 Washington, St. Louis, Mo.
9ACB—L. F. Jones, 3rd, 519 N. Taylor, Kirkwood, Mo.
9ACC—R. C. Foster, 909 Hayes Ave., Racine, Wis.
9ACD—W. H. Flanagan, 14 19th Pl., Chicago Hghts., Ill.
9ACE—W. M. Etten, 626 N. 9th St., Lafayette, Ind.
9ACF—P. Garrotto, 611 Pierce St., Omaha, Neb.
9ACG—A. C. Goodnow, 4467 Lake Park, Chicago, Ill.
9ACH—R. R. Leach and C. C. Proudfit, 2733 E. Grand Ave., Des Moines, Ia.
9ACI—R. Barnett, 6169 Waterman Ave., St. Louis, Mo.
9ACJ—Culver Military Academy, Culver, Ind.
9ACK—E. F. Turner, 516 Front St., Jamestown, N. D.
9ACL—W. J. Niebergall, 406 Peoria Ave., Mendota, Ill.
9ACM—A. L. Ledrowski, 833 Ludington, Columbus, Wis.
9ACN—O. F. Volta, Lone Tree, Ia.
9ACO—E. C. Lawrenz, 1424 Marquette, Racine, Wis.
9ACP—D. E. Hooker, Box 164, Carpentersville, Ill.
9ACQ—W. Eisenbrand, 1726 Wright St., Milwaukee, Wis.
9ACR—C. R. Thornrose, 1473 Carmen Ave., Chicago, Ill.
9ACS—J. Heibering, 712 Lafayette Ave., Racine, Wis.
9ACT—M. Hartwich, Janesville, Minn.
9ACU—F. T. Dickinson, 3047 S. Hennepin, Minneapolis, Minn.
9ACV—F. L. White, 3062 E. Douglass Ave., Wichita, Kan.
9ACW—E. Gobrecht, 302 St. James St., Waukegan, Ill.
9ACX—G. N. Schafer, 630 Norton, Kansas City, Mo.
9ACY—W. G. Cram, 647 51st St., Milwaukee, Wis.
9ACZ—F. E. Young, 2302 Alden Ave., St. Paul, Minn.
9AD—Unassigned
9ADA—L. Marholz, 4530 Troy St., Chicago, Ill.
9ADB—J. J. Martin, 5656 W. Floussant, St. Louis, Mo.
9ADC—G. T. Curnutt, 1324 S. Barrett, Sedalia, Mo.
9ADD—C. Prondfit, 1002 9th St., Des Moines, Ia.
9ADE—C. E. Gutke, 4115 Lafayette, St. Louis, Mo.
9ADF—W. M. Edmont, 1530 Minnesota Ave., Duluth, Minn.
9ADG—K. Caird, 919 N. Sacramento Blvd., Chicago, Ill.
9ADH—C. E. Groves, Princeton, Ia.
9ADI—E. M. Ward, 602 S. 30th St., Omaha, Neb.
9ADJ—B. V. Bergstrem, 707 Apple St., Normal, Ill.
9ADK—G. W. Granel, St. Louis St., Lebanon, Ill.
9ADL—R. D. Johnson, 617 S. Lechrick St., Burlington, Ia.
9ADM—J. F. Cervenyak, 12 E. Chicago Ave., Chicago, Ill.
9ADN—O. M. Carter, 215 2nd St., Seymour, Ind.
9ADO—G. Wood, Jr., 2357 Dean Ave., Des Moines, Ia.
9ADP—J. B. Catlin, 490 Rankin St., Appleton, Wis.
9ADQ—A. V. Knowles, 2221 Highland Park, Ft. Dodge, Ia.
9ADR—R. G. Blackett, Main St., Cherokee, Kan.
9ADS—J. F. Redlig, 201 W. George St., St. Paul, Minn.
9ADT—H. E. McCord, 4113 N. Kilbourn, Chicago, Ill.
9ADU—H. A. Anderson, Pelican Rapids, Minn.
9ADV—J. H. Willems, Monica, Ill.
9ADW—M. A. Webb, Ellsworth, Kan.
9ADX—M. M. Cook, 144 Heading Ave., Peoria, Ill.
9ADY—C. H. Atchison, 6274 Famous Ave., St. Louis, Mo.
9ADZ—R. O. Gilbert, 5 Spriggs Bldg., Grand Forks, N. D.
9AE—R. N. Jones, 309 Linn St., Boone, Ia.
9AEA—W. L. Pedersen, 3315 Portland, Minneapolis, Minn.
9AEB—L. Hirshberg, 138 Summit Ave., St. Paul, Minn.
9AEC—J. A. Murphy, 1647 Harrison Ave., Lincoln, Neb.
9AED—A. E. Rydberg, 205 W. Lowell, Shenandoah, Ia.
9AEE—V. E. Kranitz, 134 Sherman St., Milwaukee, Wis.
9AEF—P. E. Lohr, Churdan, Ia.
9AEG—I. Graham, 1137 W. Central, El Dorado, Kan.
9AEH—R. D. White, 1619 Wells St., La Crosse, Wis.
9AEI—R. C. Hedeen, 2314 W. 2nd St., Duluth, Minn.
9AEJ—R. Wick, 1025 3rd St., Devils Lake, N. D.
9AEK—R. E. Ebenschweiger, Locust St. and Crescent Springs Rd., Erlanger, Ky.
9AEL—J. R. Schricker, 1011 E. High St., Davenport, Ia.
9AEM—W. E. Warning, Main & Dixie, Homewood, Ill.
9AEN—E. W. Walker, 350 Florence St., Houghton, Mich.
9AEO—J. J. Short, 6122 Marshfield Ave., Chicago, Ill.
9AEP—Kenneth & Iverson, Hills, Minn.
9AEQ—W. H. Gass, 413 7th Ave., Shenadoah, Ia.
9AER—B. W. Hutson, 1112 Elmwood Ave., Wilmette, Ill.
9AES—B. W. Huevelman, 3141 N. Sawyer, Chicago, Ill.
9AET—P. Thelsen, 7038 Ridge Blvd., Chicago, Ill.
9AEU—H. V. Somerville, 1839 Liberty St., Marinette, Wis.
9AEV—T. E. Tynan, 915 Queen Ave., Minneapolis, Minn.
9AEW—Rockford High School Radio Club, Rockford, Ill.
9AEX—S. O. Johnson, Harlem, Ill.
9AEY—E. H. Beardmore, 903 N. Hersey St., Beloit, Kan.
9AEZ—W. R. Smith, 2311 W. 3rd St., Duluth, Minn.
9AF—R. E. Brooke, 27 W. Williams, Hammond, Ind.
9AFA—R. Ritchey, 114 Jackson St., Jefferson City, Mo.
9AFB—R. D. Stewart, Cambridge, Wis.
9AFC—Unassigned
9AFD—R. Hunton, 1022 Michigan, Evanston, Ill.
9AFE—W. Leatherman, Jr., 1939 Duker St., Louisville, Ky.
9AFF—R. Helmig, 1927 Maine St., Peru, Ill.
9AFG—E. T. Feinstein, 5535 Ridge Ave., St. Louis, Mo.
9AFH—R. O. Wolf, R. F. D. 1, Rockport, Mo.
9AFI—H. R. Collier, 3824 Fairfield Ave., Ft. Wayne, Ind.
9AFJ—W. G. Morton, 2030 Maple Ave., Marinette, Wis.
9AFK—B. Shallow, 653 78th Ave., West Allis, Wis.
9AFL—G. Hoffman, 5124 Maple Ave., St. Louis, Mo.
9AFM—G. L. Davy, 215 8th St. NW., Minot, N. D.
9AFN—D. H. Stover, 1007 S. 1st St., Champaign, Ill.
9AFO—C. A. Portman, 409 Peashway St., South Bend, Ind.
9AFP—R. B. Black, 1002 Belmont, Grand Forks, N. D.
9AFQ—J. E. Cravens, Greenfield, Ill.
9AFR—G. G. Glade, 1340 C St., Lincoln, Neb.
9AFS—P. K. Rosenberg, Colfax, Wis.
9AFT—E. W. Applebaum, 910 Addison St., Chicago, Ill.
9AFU—W. J. Morey, 5413 Ferdinand St., Chicago, Ill.
9AFV—H. Bottrell, Bessemer, Mich.
9AFW—D. E. Halloway, Churdan, Ia.
9AFX—F. W. Loeb, 5227 Dorchester Ave., Chicago, Ill.
9AFY—A. Luessenhop, 633 W. De Wald, Ft. Wayne, Ind.
9AFZ—F. D. Schunck, 4702 Beloit Rd., West Allis, Wis.
9AG—R. S. Drummond, 5421 Crystal St., Chicago, Ill.
9AGA—R. E. Engen, 1959 Fairmount Ave., St. Paul Minn.
9AGB—E. Young, 2290 Commonwealth, St. Paul, Minn.
9AGC—E. F. Hess, Plover, Ia.
9AGD—M. E. Armstrong, 401 Water St., Austin, Minn.
9AGE—E. H. Marine, 4538 Grand, Chicago Ill.
9AGF—C. J. M. Olsen, 1016 Belden Ave., Chicago, Ill.
9AGG—H. G. Cutler, 116½ Richmond, Richmond, Ind.
9AGH—J. Wells, 2419 Fall Ave., St. Louis, Mo.
9AGI—A. F. Chouinard, 106 W. North, Indianapolis, Ind.
9AGJ—Unassigned
9AGK—A. R. Huddleston, 685 Frank St., Huron, S. D.
9AGL—H. M. Crosby, 708 8th St., Brookings, S. D.
9AGM—J. W. Pfahler, 204 6th St., Wilmette, Ill.
9AGN—J. E. Walden, 7346 Rhodes Ave., Chicago Ill.
9AGO—E. M. Healy, 2217 S. Newton, Minneapolis, Minn.
9AGP—E. Leanse, 1711 N. Aldrich, Minneapolis, Minn.
9AGQ—R. C. Stork, 5515 W. Monroe, Chicago, Ill.
9AGR—H. S. Gelser, 50 N. Court, Crown Point, Ind.
9AGS—Lane Technical High School, Chicago, Ill.
9AGT—W. H. Hebal, 328 McCulloch, Stevens Point, Wis.
9AGU—C. D. Curtis, Pembina, N. D.
9AGV—W. M. Stack, 1618 Edgewater, Chicago, Ill.
9AGW—C. A. Erhart, 1221 S. Harding, Chicago, Ill.
9AGX—Manhattan Electrical Supply Co., Clayton, Mo.
9AGY—R. W. Sprowls, 711 8th St., Sioux City, Ia.
9AGZ—M. Palmer, 1314 E. Walnut St., Washington, Ind.
9AH—I. H. Strassmann, 1064 38th, Milwaukee, Wis.
9AHA—A. G. Sayre College St., Box 925, Milton, Wis.
9AHB—O. H. Sleckmann, 1945 Sullivan, St. Louis, Mo.
9AHC—H. Demmer, Ellendale, N. D.
9AHD—C. Johnson, 98 5th St., Momence, Ill.
9AHE—H. Gruszka, 1041 Columbia, Hammond, Ind.
9AHF—J. Burnham, 536 Roslyn Rd., Kenilworth, Ill.
9AHG—R. E. Davis, 113 E. 10th St., Concordia, Kan.
9AHH—R. H. Williamson, 715 S. Iowa, Eagle Grove, Ia.
9AHI—A. W. Joyce, 614 "K" St., Aurora, Neb.
9AHJ—F. Trapp, 1120 E. Park Ave., Taylorville Ill.
9AHK—H. E. Eaton, 443 S. 26th St., Lincoln, Neb.
9AHL—D. M. Billings, 705 E. 9th St., Spencer, Ia.
9AHM—G. Z. Patman, King City, Mo.
9AHN—F. L. Kinch, Jr., 315 Cottage Grave, Cdr. Rpds., Ia.
9AHO—H. H. Rokenbach, III W. Maple St., Fairbury, Ill.
9AHP—J. H. Stroup, Holmes, Ia.
9AHQ—Unassigned
9AHR—W. Worthington, 245 Union Blvd., St. Louis, Mo.
9AHS—J. M. Meyer, Wauzeka, Wis.
9AHT—C. M. Bennett, Aurora, S. D.
9AHU—R. G. Martin, Clinton Ave., Marengo, Ia.
9AHV—D. A. Reed, 1251 S. 27th St., Lincoln, Neb.
9AHW—F. L. Mayer, Jr., 402 E. Marion, Mt. Pulaski, Ill.
9AHX—A. R. Hedges, 6686 Olympia St., Chicago Ill.
9AHY—P. D. Connolly, 6057 Ellis Ave., Chicago, Ill.
9AHZ—G. H. Shirling, 3849 E. 62d St., Kansas City, Mo.
9AI—R. J. Solomon, King & Lake Sts., Crystal Lake, Ill.
9AIA—D. Lacquement, 509 Norwood Ave., Collinsville, Ill.
9AIB—J. E. Smay, 1011 N. 30th St., Lincoln, Neb.
9AIC—N. R. Williams, 117 S. Vermillion St., Streator, Ill.
9AID—G. L. Tevis, Humansville, Mo.
9AIE—R. C. Wood, Albany, Ill.
9AIF—L. Milstein, 1115 St. Louis Ave., Chicago, Ill.
9AIG—F. B. Christopherson, 731 W. 18th, Sioux Falls, S.D.
9AIH—Hoopeston Radio Shop, 513 E. Seminary, Hoopeston, Ill.
9AII—M. E. Montgomery, 5911 Enright Av., St. Louis, Mo.
9AIJ—L. R. Lloyd, 47 W. Vine St., Canton, Ill.
9AIK—E. F. Spadoni, 5429—73d Court, Summit, Ill.
9AIL—R. W. Martin, Rochester St., Mukwanago, Wis.
9AIM—C. J. Haas, 326 State St., Augusta, Kans.
9AIN—W. F. Sanders, Hooper, Neb.
9AIO—V. L. Miller, 1415 Lexington Ave., Laurenceville, Ill.
9AIP—P. H. Brown, 6 W. 14th St., Kansas City, Mo.
9AIQ—J. D. Lucas, 4370 McPherson St., St. Louis, Mo.
9AIR—A. Roetken, 3540 Park Drive, Covington, Ky.
9AIS—E. A. Stumpf, 3661-a Humphrey St., St. Louis, Mo.
9AIT—G. M. Scott, 6018 Kingsbury Pl., St. Louis, Mo.
9AIU—A. C. Mensch, The Electric Shop, White Hall, Ill.
9AIV—A. S. Peck, 2836 Burling St., Chicago, Ill.
9AIW—F. Marshall, 512—8th St. N., Fredonia, Kans.
9AIX—F. Z. Schmitz, 429 N. Central Ave., Austin, Ill.
9AIY—Unassigned
9AIZ—H. Hall, 1731 Winona St., Chicago, Ill.
9AJ—Unassigned
9AJA—O. E. Sheckler, 916—15th Pl. N.E., Mason City, Ia.
9AJB—O. A. Koch, Kingston, Ill.
9AJC—E. N. Ebeling, Atwood, Kans.
9AJD—T. J. Rodhouse, Jr., 819 Virginia Av., Columbia, Mo.
9AJE—C. E. Paulson, 630 N. "B" St., Oskaloosa, Ia.
9AJF—A. Hochleutner, 2509 N. Spaulding Av., Chicago, Ill.
9AJG—W. G. Shand, 2009 Birchwood Ave., Chicago, Ill.
9AJH—J. G. Reckley & N. H. Reeve, 304 Chestnut St., Western Springs, Ill.
9AJI—E. Avery, Westminster Ch., Nicollet & 12th St., Minneapolis, Minn.
9AJJ—G. M. Querna, Main St., Madison, Minn.
9AJK—A. C. Mason, 4953 Park View Pl., St. Louis, Mo.
9AJL—A. W. Heyman, 408—8th, S.E., Minneap., Minn.
9AJM—C. F. Enz, 504 State St., Lockport, Ill.
9AJN—C. E. Sheets, Elgin, Neb.
9AJO—F. D. Doyle, 2118 N. Clark St., Chicago, Ill.
9AJP—A. P. Upton, 2547 Ulyses St., Minneapolis, Minn.
9AJQ—D. F. W. Coffey, 22-24 Carroll St., Madison, Wis.
9AJR—J. G. Schultz, 1541 Montana St., Chicago, Ill.
9AJS—W. S. Niehaus, 1902 West Ave., Burlington, Ia.
9AJT—Unassigned
9AJU—E. H. Lane, 1737 Mississippi St., Lawrence, Kan..
9AJV—L. H. Rabe, Nicollet, Minn.
9AJW—G. P. Lee, 1544 Packard Ave., Racine, Wis.
9AJX—D. Barrett, 222 Michigan Ave., Sheboygan, Wis.
9AJY—W. J. Hammond, 616 E. 23d St., Pittsburg, Kans.
9AJZ—H. W. Praefcke, 218 LaSalle St., Streator, Ill.
9AK—H. Klaus, Eureka, Ill.
9AKA—K. T. Borlin, 214 Church St., Carrollton, Ill.
9AKB—E. Mikesell, 631 N. 6th St., Fredonia, Kans.
9AKC—A. M. Reager, 116 Rellaine Ave., Louisville, Ky.
9AKD—F. Libhe, 744 N. Allen St., South Bend, Ind.
9AKE—G. H. Newgirg, 408 S. 3d St., Eagle Grove, Ia.
9AKF—E. Crockett, Jr., Box 412 E. Spring St., Weston, Mo.
9AKG—C. B. Griffith, Jr., 1823 Pearl St., Denver, Colo.
9AKH—J. Baronsky, 208 Cook Ave., Chaffee, Neb.
9AKI—C. A. & E. L. Frease, Box 74, Ravenna, Neb.
9AKJ—C. King, 1215 Hasbrook Ave., Kansas City, Kans.
9AKK—G. Adgate, 125 Prairie Ave., Wheaton, Ill.
9AKL—M. L. Wilson, 3679 Washington Bd., Indianap., Ind.
9AKM—R. G. Walters, Jr., 713 Mound St., Atchison, Kans.
9AKN—H. Wahl, Victor, Ia.
9AKO—A. H. Barnett, 33 Kiwanis Apts, Ft. Wayne, Ind.
9AKP—H. C. Mattes, 4439 Monticello Ave., Chicago, Ill.
9AKQ—M. J. Binks, 1138 Lombard Ave., Oak Park, Ill.
9AKR—R. G. Bullock, 618-20 Lincoln Ave., York, Neb.
9AKS—H. Spencer, 2511 "R" St., Lincoln, Neb.
9AKT—W. A. Weiboldt & Co., 3235 Lincoln Av., Chgo., Ill.
9AKU—W. F. Ridgway, 507 W. Clark St., Freeport, Ill.
9AKV—E. C. Penny, 714 Garfield Ave., Belvidere, Ill.
9AKW—I. B. Fronkier, 1022 Madison St., Fredonia, Kans.
9AKX—A. J. Anderson, 610—8th St. S.W., Aberdeen, S.D.
9AKY—L. Jenks, 1028 Vine St., LaCrosse, Wis.
9AKZ—J. H. Muntz, 636 Spring St., Elgin, Ill.
9AL—Unassigned
9ALA—H. E. White, Jr., 2529 Hall Ave., Marinette, Wis.
9ALB—F. H. Willis, Cherry St., Carlisle, Ind.
9ALC—M. G. McCarroll, 425 N. 13th St., Cedar Rapids, Ia.
9ALD—E. F. Johnson, Waseca, Minn.
9ALE—W. & W. Russell, R.R. No. 1, Winfield, Ia.
9ALF—Unassigned
9ALG—R. A. Clark, Jr., 250 State St., Madison, Wis.
9ALH—A. R. Urquhart, 2005 Emerson St., Denver, Colo.
9ALI—L. D. Jordan, P. O. Box 55, Wyeville, Wis.
9ALJ—G. C. Hume, Jr., 151 School St., Chilton, Wis.
9ALK—T. H. Smith, 4228 Ohio St., Omaha, Neb.
9ALL—K. E. Goss, 9756 Prospect Ave., Chicago, Ill.
9ALM—S. R. Wilson, Primghar, Ia.
9ALN—L. W. Olander, 901 Pearl St., Yankton, S. D.
9ALO—F. Gerard, 19 N. Oriental St., Indianapolis, Ind.
9ALP—M. S. Winstandley, 815 Vincennes, New Albany, Ind.
9ALQ—L. J. Wolf, Dixie Highway at Clark St., Homewood, Ill.
9ALR—M. H. Doll, 602—64th Ave., West Allis, Wis.
9ALS—G. D. Greene, 1827-a N. Garrison Av., St. Louis, Mo.
9ALT—A. J. Rank, 670 Richmond St., Appleton, Wis.
9ALU—J. P. Specht, Marengo, Ia.
9ALV—W. A. Markle, 3905 Roulevard Pl., Indianapolis, Ind.
9ALW—R. L. Van Osdol, 304 E. Lincoln Way, Morrison, Ill.
9ALX—S. Tollman, 3927 Beachwood Ave., Pine Lawn, Mo.
9ALY—R. D. Linx, 835 Hackett Ave., Milwaukee, Wis.
9ALZ—D. Fouts, Glen Carbon, Ill.
9AM—J. D. Cole, Jr., 1340 Estes Ave., Chicago, Ill.
9AMA—V. J. Wolf, 1480 Webster Ave., Chicago, Ill.
9AMB—J. L. Hathaway, 4026 E. 19th St., Denver, Colo.
9AMC—A. D. Altemiller, 502 Jefferson St., Charleston, Ill.
9AMD—K. H. Arterburn, 1806 Grant St., Beatrice, Neb.
9AME—W. Reynolds, Derby, Colo.
9AMF—B. Buckingham, 701 Wash., N.E., Minneap., Minn.
9AMG—G. H. Turner, 3701 Belleview St., Kansas City, Mo.
9AMH—A. E. Bathiany, 601 Monmouth St., Newport, Ky.
9AMI—J. E. Decker, 119—2d St. S.E., Mason City, Ia.
9AMJ—R. A. Kendall, 1318 Stophlet St., Ft. Wayne, Ind.
9AMK—L. A. Faber, Mendota, Ill.
9AML—H. A. Smith, 2701 "O" St., Lincoln, Neb.
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9AMN—H. E. Church, 1540 N. LaSalle St., Chicago, Ill.
9AMO—H. G. Pfister, 1412 Sycamore St., Columbus, Ind.
9AMP—H. Haraldson, Aneta, N. D.
9AMQ—L. F. Dechant, 1545 Flett St., Racine, Wis.
9AMR—H. D. Matteson, 334 W. South St., DeKalb, Ill.
9AMS—J. R. Dye, 504—59th St., E. St. Louis, Ill.
9AMT—J. T. Pegg, Fountain City, Ind.
9AMU—C. Hoover, 210 E. State St., Marshalltown, Ia.
9AMV—J. M. Hartman, Signal Hill Pl., Edge't Sta., E. St. Louis, Ill.
9AMW—H. H. Smith, 51 E. Green St., Champaign, Ill.
9AMX—Unassigned
9AMY—S. Gates, 445 N. 28th St., Louisville, Ky.
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9ANB—I. H. Beaman, Quar. 5-N. U. S. N. T. S., Great Lakes, Ill.
9ANC—H. Wareberg, 1730 Hancock St., Chicago, Ill.
9AND—S. W. Hedlund, 4121 Gladstone St., Duluth, Minn.
9ANE—P. L. Ambelang, 316—8th St., Beardstown, Ill.
9ANF—H. C. Harvey, 135 N. 13th St., Lincoln, Neb.
9ANG—W. P. Yancey, 1625 Ripley St., Davenport, Ia.
9ANH—E. J. Lehman, Jr., 509 N. Clinton, Bloom'g'n, Ill.
9ANI—W. A. Doyle, Jr., 628 Market St., Emporia, Kans.
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9ANL—T. G. Rombaugh, 1147 S. Church St., Chicago, Ill.
9ANM—Westall P. Shaffer, 19 1/3 W. 2d St., Davenport, Ia.
9ANN—W. Morgan, 3117 Easton Ave., St. Louis, Mo.
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9ANP—M. H. Nelson, 1914 Kishwaukee St., Rockford, Ill.
9ANQ—L. Y. Wells, 207 Richardson Av., Kansas Cy., Kans.
9ANR—F. W. Pierce, 2415 19th Ave., Rock Island, Ill.
9ANS—T. Bullock, R. F. D. 6, Lexington, Ky.
9ANT—R. M. Koster, 2522 Elliott St., Louisville, Ky.
9ANU—J. H. Martin, Chandlerville, Ill.
9ANV—H. Rubenstein, 3009 S. 16th St., Omaha, Neb.
9ANW—J. F. Wainwright, 312 Florence, Blue Island, Ill.
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9AOA—H. G. Thomas, Auxvasse, Mo.
9AOB—C. F. Kramer, 414 E. Pearl St., Lebanon, Ind.
9AOC—A. J. Strang, 455 Sheldon, Richland Center, Wis.
9AOD—D. Selig, 1333 N. Hampshire, Lawrence, Kans.
9AOE—R. M. Squaires, 203 N. 1st, Rockwell City, Ia.
9AOF—A. W. McGuffin, 823—9th St., Devil's Lake, N. D.
9AOG—C. E. Himoe, 739 Ohio St., Lawrence, Kans.
9AOH—F. O. Sharp, 1649 N. Alabama, Indianapolis, Ind.
9AOI—G. K. Jacobsen, 3208 Holmes, Minneapolis, Minn.
9AOJ—C. N. & J. K. Nebal, 1320 Anthony, Columbia, Mo.
9AOK—A. V. Grane, 5055 Spalding Ave., St. Louis, Mo.
9AOL—W. J. Rabe, 1012 S. 4th Ave., Maywood, Ill.
9AOM—F. O. Dixon, Knoxville, Ia.
9AON—R. L. Coe, 607 Linden Ave., Clayton, Mo.
9AOO—J. H. Krallmann, 1480 Rowan, St. Louis, Mo.
9AOP—L. Anderson, 1452 Balmoral Ave., Chicago, Ill.
9AOQ—L. Kohler, R. F. D. 2, Kansas City, Mo.
9AOR—A. Coppotelli, 138 E. 24th, Chicago Heights, Ill.
9AOS—W. M. Foss, 5736 Maryland Ave., Chicago, Ill.
9AOT—A. Ginsburg, 814 Junior Terrace, Chicago, Ill.
9AOU—J. R. Whitney, 18 S. Comm'l, Eagle Grove, Ia.
9AOV—F. R. Churchill, First West St., Alexis, Ill.
9AOW—C. L. Gunderson, 1006 St. John, Albert Lea, Minn.
9AOX—M. G. Crosby, Elroy, Wis.
9AOY—J. A. Callanan, 941 Lakeside Pl., Chicago, Ill.
9AOZ—R. Isenberg, 1503 Melrose St., Chicago, Ill.
9AP—E. G. Cunningham, 304 W. Washington St., Champaign, Ill.
9APA—A. R. Janelle, 333 S. Jackson, Green Bay, Wis.
9APB—R. J. Finnell, 621 E. Water St., Pontiac, Ill.
9APC—G. Benson, Morrill, Kans.
9APD—H. J. Walters, 132 N. Elm St., Nappanee, Ind.
9APE—J. G. Lotter, 1128 E. Geranium, St. Paul, Minn.
9APF—W. Wells, 2530 Williams St., Denver, Colo.
9APG—Unassigned
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9API—R. Gouersall, 2626—4th, S., Minneapolis, Minn.
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9APL—M. F. Brown, 1107 W. Sycamore St., Independence, Kans.
9APM—F. J. Sadilek, 1428—23rd St., Des Moines, Ia.
9APN—J. C. Thomas, Box 685, David City, Neb.
9APO—G. D. Spitzell, 841 E. 7th St., Des Moines, Ia.
9APP—L. Klier, 3609 W. 26th St., Chicago, Ill.
9APQ—E. H. Leland, 333 Wisconsin St., Oak Park, Ill.
9APR—H. E. Crawford, Olds, Ia.
9APS—A. Depenbrack, 1023 Russell, Covington, Ky.
9APT—F. G. Ault, 525 Murray St., Hammond, Ind.
9APU—E. Carlstedt, 2307—11th Ave. A., Moline, Ill.
9APV—W. H. Roop, 2120 Ash St., Chicago Heights, Ill.
9APW—M. G. Goldberg, 711 Dayton, St. Paul, Minn.
9APX—F. L. Taylor, 824 South, Sault Ste. Marie, Mich.
9APY—K. J. Audley, 1417 Auburn St., Rockford, Ill.
9APZ—E. Vogel, 6 Beech Ave., South Gate, Ky.
9AQ—M. Street, 807 S. 3rd St., Champaign, Ill.
9AQA—F. C. Weeks, 701 Randolph St., Champaign, Ill.
9AQB—W. A. Lippman, Jr., 6 Thornby Pl., St. Louis.
9AQC—K. P. Stiles, 1701 L St., Lincoln, Neb.
9AQD—W. V. Woodruff, 419 N. 3rd St., Rockford, Ill.
9AQE—E. E. Issenhuth, 116 W. 11th, Sioux Falls, S. D.
9AQF—C. L. Bailey, 1182—9th St., Huron, S. D.
9AQG—M. Adams, 4352 Aldrich, S., Minneapolis, Minn.
9AQH—Dr. Fred C. Soper, Dilworth, Minn.
9AQI—G. C. Kephart, 3924 Peters, Sioux City, Ia.
9AQJ—D. R. Warner, 432 S. 15th St., Terre Haute, Ind.
9AQK—H. E. Gould, 5022 Underwood Ave., Omaha, Neb.
9AQL—C. M. Morgensen, 1200 Villa St., Racine, Wis.
9AQM—W. G. Cooley, 1831-a State St., Granite City, Ill.
9AQN—I. A. Pratt, 3308 Elliott, Minneapolis, Minn.
9AQO—A. L. Dunn, 536 S. 31st Ave., Omaha, Neb.
9AQP—W. A. Kuehl, 3501 Wilson Ave., Chicago, Ill.
9AQQ—O. P. Stufflebaam, 1419 Logan, Marinette, Wis.
9AQR—G. C. Kellermann, 36 N. Elm, Webster Groves, Mo.
9AQS—G. E. Gustafson, 1504—40th, Rock Island, Ill.
9AQT—C. B. Franz, 5358-a Easton Ave., St. Louis, Mo.
9AQU—D. B. Gearhart, Box 216, Hopkinton, Ia.
9AQV—D. Boult, 2544 Pleasant Ave., Minneapolis, Minn.
9AQW—J. R. Wood, Jr., 1724 High St., Denver, Colo.
9AQX—W. H. Mundt, 1928 Belmont Ave., Chicago, Ill.
9AQY—Colorado Springs High School, 509 N. Wahsatch St., Colorado Springs, Colo.
9AQZ—C. J. Unger, 5240 Maple Ave., St. Louis, Mo.
9AR—J. A. Scholtes, 2546 Wilson Ave., Chicago, Ill.
9ARA—T. L. Van Law, 10—10th St., Marshalltown, Ia.
9ARB—H. Thorle, 3850 Belden Ave., Chicago, Ill.
9ARC—A. H. Schaefer, Franklin St., Slinger, Wis.
9ARD—J. F. Avritch, 906—4th Ave., Grand Forks, N. D.
9ARE—C. O. Lunde, 227—2nd Ave., N., Crookston, Minn.
9ARF—J. H. Freis, 4817 Forestville Ave., Chicago, Ill.
9ARG—C. E. Fay, 5090 Cabanne Ave., St. Louis, Mo.
9ARH—J. D. Banning, 3203 Hoagland, Ft. Wayne, Ind.
9ARI—J. D. Johnson, 789 Bayard St., St. Louis, Mo.
9ARJ—C. D. Carter, 1124 N. A St., Arkansas City, Kans.
9ARK—M. J. McKee, 4461 Central Ave., Indianapolis.
9ARL—L. B. Van Orman, R. F. D., Hardy, Neb.
9ARM—A. L. West, Eastern Ave., Manhattan, Ill.
9ARN—R. J. Ritchie, Jr., 1246 Winnemac, Chicago, Ill.
9ARO—M. Mayes, 314 Ash St., Jefferson City, Mo.
9ARP—Unassigned
9ARQ—A. B. Newell, 421 N. Kirkwood, Kirkwood, Mo.
9ARR—U. C. Morris, 123 S. Prince St., Princeton, Ind.
9ARS—A. A. Searles, 1826 N. 18th St., Omaha, Neb.
9ART—A. F. Erickson, Craig P. & Ash, Lombard, Ill.
9ARU—D. A. Downard, 532 26th St., Louisville, Ky.
9ARV—W. E. Johnson, Box 506, Wayne, Neb.
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9ARX—W. E. Waters, 2238 Missouri Ave., Granite City, Ill.
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9ASB—F. Murphy, 493 College Ave., Appleton, Wis.
9ASC—P. Carney, Faribault, Minn.
9ASD—H. Spoor, Jr., 407 W. Washington St., Urbana, Ill.
9ASE—E. V. Kesheimer, 311 Madison Pl., Lexington, Ky.
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9ASG—T. A. Giles, 214 S. Davis St., Ottumwa, Ia.
9ASH—R. Santangelo, 2559 W. Chicago Ave., Chicago, Ill.
9ASI—H. A. Scott, 509 N. Georgia Ave., Mason City, Ia.
9ASJ—J. E. Hall, 5th & John Sts., Seymour, Ind.
9ASK—L. W. Landt, 1513 Belmont Ave., Chicago, Ill.
9ASL—R. Lewis, 506 W. Washington St., Winterset, Ia.
9ASM—O. L. Frazier, Davis City, Ia.
9ASN—I. F. Gardiner, 1758 Goodrich, St. Paul, Minn.
9ASO—G. Hall, Fairfax, Ia.
9ASP—Unassigned
9ASQ—C. G. Briel, 1510 Melrose St., Chicago, Ill.
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9ATL—J. Brler, Jr., DeWitt, Neb.
9ATM—F. R. Bradeen, 1924 "J" St., Lincoln, Neb.
9ATN—A. D. Marston, College Campus, Ames, Ia.
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9ATR—H. P. Rea, R. F. D., Chillicothe, Mo.
9ATS—L. H. Carlson, R. F. D. No. 4, Carrollton, Mo.
9ATT—C. B. Vail, 607 N. Diamond St., Jacksonville, Ill.
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9ATX—R. E. Lathrop, Radio Amtr. Club, Waukesha, Wis.
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9AUG—W. B. Maccubbin, 5612 Maple Ave., St. Louis, Mo.
9AUH—P. Miller, 800 Joliet St., Joliet, Ill.
9AUI—A. W. Peters, 219 Rockford St., N. Rockford, Ill.
9AUJ—F. W. Herman, 920 N. Fifth, Minneapolis, Minn.
9AUK—C. Birget, 1367 Summit St., Springfield, Mo.
9AUL—L. C. Smeby, 1504 W. Broadw'y, Minneapolis, Minn.
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9AUO—F. M. Quinn, 2244 Winona St., Chicago, Ill.
9AUP—E. Swaringen, 960 Grove St., Virden, Ill.
9AUQ—A. S. Braaten, Concordia College, Moorhead, Minn.
9AUR—J. H. Boos, Jr., 922 N. Kingshighway, St. Louis, Mo.
9AUS—R. Martin, 307 Cherry St., Mt. Carmel, Ill.
9AUT—W. H. Farr, 6024 Dakin St., Chicago, Ill.
9AUU—H. Long, Aneta, N. D.
9AUV—H. C. Hussner, 968 Drew St., Appleton, Wis.
9AUW—T. C. Goodner, 409 S. 3d St., Rocky Ford, Colo.
9AUX—II. F. Hediger, 778 University Ave., St. Paul, Minn.
9AUY—S. Duplissis, 642 E. 64th St., Chicago, Ill.
9AUZ—F. P. Ralston, West St., cor. North, Lacoma, Ia.
9AV—E. Werlein, 4060 Lincoln Ave., Chicago, Ill.
9AVA—G. M. Morgan, 845 S. Scoville St., Oak Park, Ill.
9AVB—M. Faith, 1219 Eliza St., Ft. Wayne, Ind.
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9AVD—F. L. Yates, Burnett, Ind.
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9AVG—L. W. Thrawll, 403 Poplar St., Eureka, Kans.
9AVH—W. G. Simpson, 7 Ninth St., Fulton, Mo.
9AVI—N. M. Connet, 604 N. Catalpa St., Pittsburg, Kans.
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9AVK—J. E. Vaux, Swea City, Ia.
9AVL—A. W. Biddlecomb, 914 Sup. Ave., Gladstone, Mich.
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9AVN—M. E. Kelley, 3800 Wabash St., Kansas City, Mo.
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9AVZ—O. Wheelon, 800 E. Capital Ave., Pierre, S. D.
9AW—J. R. Wiles, 298 N. Prairie Ave., Bradley, Ill.
9AWA—W. H. Hagn, 2082 Greenleaf Ave., Chicago, Ill.
9AWB—Chronicle Pub. Co., 415 S. Wash. St., Marion, Ind.
9AWC—H. V. McCollum, 423 Broadway, Kingman, Kans.
9AWD—E. F. Schmidt, 4311 N. Harding Ave., Chicago, Ill.
9AWE—R. S. Douglas, Jr., 23 N. Pacific St., Cape Girardeau, Mo.
9AWF—C. R. Heath, 83 Hooper St., Clifton, Ky.
9AWG—H. F. Bader, 404 S. Sherman, Indianapolis, Ind.
9AWH—B. L. Smith, 5021 S. Carpenter St., Chicago, Ill.
9AWI—R. Sindt, 1509 Washington St., Cedar Falls, Ia.
9AWJ—O. E. Nichols, 732 N. Drake Ave., Chicago, Ill.
9AWK—G. L. Miller, 707 N. Main St., Monmouth, Ill.
9AWL—R. C. Schryver, House No. 30, Primero, Colo.
9AWM—L. V. Rerkner, 117 E. Summit, Sleepy Eye, Minn.
9AWN—L. E. Dunham, Box 99, Pontiac, Ill.
9AWO—Central High Radio Club, 34th & 4th, Minneapolis
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9AWQ—G. L. Eldred, 714—6th St., Carrollton, Ill.
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9AWT—J. Banks, 3255 Walter St., Maplewood, Mo.
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9AWV—G. E. Zembal, 406 Buchanan St. NE., Minneapolis
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9AWX—Lindblom Tech. H. S., 62d & Lincoln, Chicago, Ill.
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9AXB—C. F. Harding, 2120 Pearl St., Knoxville, Ia.
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9AXD—L. E. Seevers, Jr., 126 N. 4th St., Clinton, Ia.
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9AXF—J. Hemingway, 4331 N. Hermitage, Chicago, Ill.
9AXG—T. O. McPherson, 2932 Dean Ave., Des Moines, Ia.
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9AYN—E. T. Markowski, 1436 N. Ashland, Chicago, Ill.
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9AYR—C. E. Cornwell, 320 Walnut St., Osage, Ia.
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9BAC—A. L. Stephenson, 738—68th, West Allis, Wis.
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9BAH—J. C. Rapp, 3d & Poplar Sts., Atlantic, Ia.
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9BAJ—E. E. Herring, 509 N. 2nd St., Marshalltown, Ia.
9BAK—Crownley & Arnold, 800 Grand, Menominee, Mich.
9BAL—R. W. Pratt, 611 Pleasant, Rockwell City, Ia.
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9BAQ—C. Chandler, 304—1st Ave., W., Cedar Rapids, Ia.
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9BAS—C. H. Kaempfer, 322—4th, West Bend, Wis.
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9BAX—B. F. Miller, Coloma, Wis.
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9BB—H. J. Buckley, 716 N. Campbell Ave., Chicago.
9BBA—H. R. Stacks, J. R., 928—61st St., Chicago, Ill.
9BBB—Unassigned
9BBC—Unassigned
8BBD—I. E. Hull, R.R. No. 1, Zenith, Kans.
9BBE—J. G. Harden, Main St., Greenwood, Ind.
9BBF—E. T. Sperling, 21 S. Jefferson, New Ulm, Minn.
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9BBH—L. J. Hruska, 2619 Bener, Cedar Rapids, Ia.
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9BBJ—J. R. Freyermuth, 615 Lincoln Way, E., South Bend, Ind.
9BBK—Unassigned
9BBL—R. Schwartz, 616 Montgomery, Shelbyville, Ind.
9BBM—Cathedral High Sch., 1416 Meridian, Indianapolis.
9BBN—E. B. Varney, Ogden, Ill.
9BBO—K. R. McDermitt, 1227 Center St., Milwaukee.
9BBP—E. P. Talbott, 1114—34th St., Indianapolis, Ind.
9BBQ—Unassigned
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9BBS—J. Lundberg, 307 W. 5th St., Topeka, Kans.
9BBT—H. H. MacFarlane, Jackson St., Greencastle, Ind.
9BBU—H. L. Ferry, Vermilion, S. D.
9BBV—F. A. Palmer, 1339 Morrison St., Madison, Wis.
9BBW—E. L. Melton, 1825 E. 8th, Kansas City, Mo.
9BBX—R. L. McNabb, S. Washington, McLeansboro, Ill.
9BBY—C. H. Hatch, 949 Bartlett Ave., Milwaukee, Wis.
9BBZ—E. H. Marshall, Hayward, Wis.
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9RCI—A. T. Teeter, Hillsboro, Ia.
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9BCM—J. E. Kubec, 653 Oakwood Ave., Webster Gr., Mo.
9BCN—H. C. & C. L. Valley, 1100 Irving, Racine, Wis.
9BCO—E. W. Johnson, Maysville, Mo.
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9BEI—Board of Education, Mason City, Ia.
9BEJ—R. Closs, Box 184, St. Ignace, Mich.
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9BEL—H. B. Fillmore, 386 Hendee, St., Elgin, Ill.
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9BEZ—W. Obrist, 802 Gilman Ave., Wichita, Kans.
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9BFB—J. R. Hinegardner, Toledo, Ia.
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9BFR—N. R. Haubart, 5125 N. Market St., St. Louis.
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9BIT—J. C. Reily, Seaton, Ill.
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9BIY—H. H. Quick, 830 Walnut St., Connersville, Ind.
9BIZ—H. Powers, 309 S. Pleasant St., Princeton, Ill.
9BJ—K. H. Goode, 6227 Kimbark Ave., Chicago, Ill.
9BJA—M. H. Reed, 1103 6th Ave., Sterling, Ill.
9BJB—D. H. Cameron, 1510 Cleveland, Kansas City, Kans.
9BJC—J. G. Carlisle, 1308 Montgall Ave., Kansas City, Mo.
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9BJM—W. H. Taussig, 549 E. Argonne Dr., Kirkwood, Mo.
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9BJP—P. Larson, 2610 Polk St., Minneapolis, Minn.
9BJQ—Faribault H. S. Badio Club, 4th Ave., & 4th St., Faribault, Minn.
9BJR—D. O. Lovelace, 1465 Roosevelt, Indianapolis, Ind.
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9BJU—A. J. Aleksonis, 714 Victory St., Waukegan, Ill.
9BJV—R. H. Hardenbergh, 1017 N. Logan, Minneapolis
9BJW—R. H. Schmitz, Franklin St., Manchester, Ia.
9BJX—R. Johnson, 414 N. Bowman Ave., Danville, Ill.
9BJY—C. G. Wagner, 901 Mulberry St., Chicago, Ill.
9BJZ—Unassigned
9BK—B. F. Fowler, 658 E. Armstrong St., Frankfort, Ind.
9BKA—C. H. Phillips, 1031 S. Emerson St., Denver, Colo.
9BKB—M. C. Rogers, 23 18th Av. NE., No. St. Paul, Minn.
9BKC—W. E. Zube, 1208 S. Fifth St., LaCrosse, Wis.
9BKD—F. J. Beck, Milbank, S. D.
9BKE—L. C. Collins, 4456 N. Monticello Ave., Chicago, Ill.
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9BKK—R. D. Baughman, 711 E. 15th St., Kansas City, Mo.
9BKL—Unassigned
9BKM—R. W. George, 1612 Arkansas Ave., Wichita, Kans.
9BKN—M. S. Cooper, 1716 Selby St., St. Paul, Minn.
9BKO—E. L. Dillard, 300-A E. 33rd St., Kansas City, Mo.
9BKP—H. R. Dornquast, 205 Front St., Owatonna, Minn.
9BKQ—J. M. Morris, 115 Gaskins St., Harrisburg, Ill.
9BKR—J. M. Meyer, 888—44th St., Milwaukee, Wis.
9BKS—G. J. Chesky, 3334 W. 23d St., Chicago, Ill.
9BKT—N. W. Harman, 711 N. 28th St., Omaha, Neb.
9BKU—W. S. Jordre, White Bear Lake, Minn.
9BKV—A. W. Kruse, R. F. D. 2, Alcester, S. D.
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9BKX—V. H. Schlender, 605 S. Wash., New Ulm, Minn.
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9BKZ—G. E. Welna, Niobrara, Neb.
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9BLA—R. E. Baldwin, Avondale Stock Farm, Farson, Ia.
9BLB—V. D. Mills, 1025 Washington St., Emporia, Kans.
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9BLD—F. W. Kinsey, McLean, Ill.
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9BLF—H. R. Reiss, 542 W. Main St., Sparta, Wis.
9BLG—K. Jansson, 5868 Bartmer Ave., St. Louis, Mo.
9BLH—R. C. Smart, R. F. D. 7, Columbus, Ind.
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9BLJ—W. R. Selleck, 715 Hillside Ave., Glen Ellyn, Ill.
9BLK—G. R. Underwood, 521 N. "L", College View, Neb.
9BLL—M. Podolor, 1010 Fremont N., Minneapolis, Minn.
9BLM—W. C. Wharton, Des Lacs, N. D.
9BLN—E. A. Triplette, 525 Lincoln, Osawatomie, Kans.
9BLO—J. R. Tate, Dorrisville, Ill.
9BLP—L. P. Niessen, 239 Percey St., Wauwatosa, Wis.
9BLQ—E. F. Young, 155 S. Webster St., Decatur, Ill.
9BLR—T. A. Johnson, 1018 Arkwright St., St. Paul, Minn.
9BLS—Union H. S., Madison Ave., Milton Junction, Wis.
9BLT—L. B. Smith, 418 N. 7th St., Osage, Ia.
9BLU—T. B. Gibbs, 255 Pearl St., Winchester, Ill.
9BLV—K. B. Lucas, 2725 Dupont Ave. S., Minneapolis
9BLW—J. Jones, R. F. D. No. 2, Liberty, Mo.
9BLX—L. E. Reynolds, Jacksonville, Ill.
9BLY—L. K. Smith, 1619 N. 16th Ave., Minneapolis, Minn.
9BLZ—A. H. Carlson, 1220 S. 22d St., Ft. Dodge, Ia.
9BM—Unassigned
9BMA—W. G. Peaslee, 2815 Central, Minneapolis, Minn.
9BMB—F. J. Mueller, 1827 Fulton St., Peru, Ill.
9BMC—R. B. Spindler, 602 Franklin Ave., Valparaiso, Ind.
9BMD—W. L. Rogers, 211 Gale Ave., Peoria, Ill.
9BME—B. Van Dolsen, 103 Miller St., Shelbyville, Ind.
9BMF—W. M. Rarr, Men's Hall, Greencastle, Ind.
9BMG—R. C. Saltenback, 1313 21st St., Des Moines, Ia.
9BMH—A. C. Mickey, Lockridge, Ia.
9BMI—Unassigned
9BMJ—T. Graffunder, Marshall, Minn.
9BMK—G. A. Renard, 4000 Hartford St., St. Louis, Mo.
9BML—C. A. Rye, 803 School St., Waupaca, Wis.
9BMM—E. F. Fakter, Winnebago, Minn.
9BMN—D. T. Ferrier, Y. M. C. A., Sedalia, Mo.
9BMO—R. W. Groth, 2100 Bradley Pl., Chicago, Ill.
9BMP—M. Nelson, 2318 Douglas St., Omaha, Neb.
9BMQ—O. Jilek, 1210 Somerville Ave., Menominee, Mich.
9BMR—F. Rettig, 316 N. 9th St., Breckenridge, Minn.
9BMS—A. Williams, Aurora, Neb.
9BMT—F. K. Maxfield, 310 W. 13th St., Devils Lake, N. D.
9BMU—W. W. Wick, 300 Huron Ave., Sheboygan, Wis.
9BMV—H. E. Keller, 742 Booth St., Milwaukee, Wis.
9BMW—C. E. Zimmerman, 214 W. Main Cross., Taylorville, Ill.
9BMX—L. W. Still, 1136 E. Geranium St., St. Paul, Minn.
9BMY—P. D. Zurian, 2246 Talmadge St., Madison, Wis.
9BMZ—W. Hoaglin, 1220—10th Ave. N., Ft. Dodge, Ia.
9BN—M. Green, 918 Wilson Ave., Chicago, Ill.
9BNA—H. H. Dozois, 138 S. Harvey Ave., Oak Park, Ill.
9BNB—G. J. Mueller, 590 Farwell Ave., Milwaukee, Wis.
9BNC—R. F. Adams, 490 Anthony St., Glen Ellyn, Ill.
9BND—J. F. Hanes, 932 N. Federal St., Mason City, Ia.
9BNE—I. Clarren, 556 Rice St., St. Paul, Minn.
9BNF—P. H. Thomsen, 316 W. Brown St., Luverne, Minn.
9BNG—L. Roberts, 316 S. Pennsylvania St., Denver, Colo.
9BNH—C. Christopherson, 1000 S. Phillips, Sioux Falls S.D.
9BNI—M. Pitt, 226 W. Williams St., Ft. Wayne, Ind.
9BNJ—E. W. Teagarden, 2918 Gaylord St., Denver, Colo.
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9BNL—E. & C. Scheppelo, 2951 Washington, Dubuque, Ia.
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9BNO—W. A. Snyder, 308 Carlyle Ave., Abingdon, Ill.
9BNP—W. G. Elle, 6607 Minnesota St., St. Louis, Mo.
9BNQ—I. Boyd, 724 Prairie Ave., Creston, Ia.
9BNR—K. Blakely, R. R. No. 3, Greentown, Ind.
9BNS—L. T. Barker, Parkville, Mo.
9BNT—K. W. Anderson, 410 N. Oak St., Creston, Ia.
9BNU—D. G. Anderson, 950 S. Broad St., Fremont, Neb.
9BNV—Unassigned
9BNW—R. C. Mitchell, 517 E. 5th St., Cherryvale, Kans.
9BNX—G. S. Babcock, Clifton, Ill.
9BNY—W. W. Wilson, 815—9th Ave., Brookings, S. D.
9BNZ—L. B. Welch, 115 West St., Waukegan, Ill.
9BO—P. R. Mangus, North Liberty, Ind.
9BOA—L. C. Stroh, 1314 Lawrence Ave., Emporia, Kans.
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9BOC—L. P. Johnson, Ft. Sheridan, Ill.
9BOD—K. A. Roberts, Severy, Kans.
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9BOF—A. L. Sahs, Salem, S. D.
9BOG—G. A. Case, 3817 Carpenter St., Des Moines, Ia.
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9BOI—H. A. Smith, Blockton, Ia.
9BOJ—C. E. Mosley, 207 East Ave., Ames, Ia.
9BOK—R. G. Edmunds, 3131 N. Racine Ave., Chicago, Ill.
9BOL—R. A. Prehm, 86 S. 13th St., Minneapolis, Minn.
9BOM—O. F. Sayles, R. F. D. No. 2, Richmond, Ill.
9BON—C. H. Brown, 225 Main St., Valparaiso, Ind.
9BOO—J. B. Wilsenall, 1220 Highway, Covington, Ky.
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9BOZ—J. K. Lowe, 2927 Kensington St., Kansas City, Mo.
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9BPA—M. Trovatem, Barnesville, Minn.
9BPB—H. Ingram, 1430 S. 17th St., Omaha, Neb.
9BPC—I. C. Miller, 702 W. Lyon St., Marshall, Minn.
9BPD—D. B. Apple, Main St., Walkerton, Ind.
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9BPF—F. J. Moosbrugger, 175 W. Isabel, St. Paul, Minn.
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9BPI—P. Munden, 708 W. Jackson St., Centerville, Ia.
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9BRG—C. W. Harvey, Aurora College, Aurora, Ill.
9BRH—A. M. Lucking, Perham, Minn.
9BRI—L. Thompson, Winner, S. D.
9BRJ—R. Olson, Sharon, N. D.
9BRK—H. E. Ogden, 1513 Spring St., Jeffersonville, Ind.
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9BRM—J. Battram, 316 N. Main St., Oakland City, Ind.
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9BRV—D. Mansbardt, 16 Wright St., Naperville, Ill.
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9BSB—R. S. Bledsoe, Eden, Ill.
9BSC—E. O. Moutoux, 1111 Louisiana E., Evansville, Ind.
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9BSW—C. W. Tennant, Elmhurst Ave., Ft. Dodge, Ia.
9BSX—B. B. Jeffrey, 914 College Ave., Burlington, Ia.
9BSY—L. I. Barbier, 500 Burr Oak Ave., Homewood, Ill.
9BSZ—D. D. Usher, 3519 University Ave., Des Moines, Ia.
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9BTB—Tesla Marconi Club, 68th & Nat'l, West Allis, Wis.
9BTC—J. L. Fetters, 926 N. Court St., Ottumwa, Ia.
9BTD—H. Levy, 6729 Bosworth Ave., Chicago, Ill.
9BTE—J. V. Hoffacker, 9625 Prospect Ave., Chicago, Ill.
9BTF—R. J. Finne, 2424 Burling St., Chicago, Ill.
9BTG—L. Lankford, 603 Pfeiffer Ave., Ft. Wayne, Ind.
9BTH—W. C. Bridges, 1011 N. 21st St., Superior, Wis.
9BTI—G. R. Metcalf, 520 Grand Ave., St. Paul, Minn.
9BTJ—Unassigned
9BTK—W. Olsgard, 838 Bartlett Ave., Milwaukee, Wis.
9BTL—G. I. Chatfield, 1015 Thomas Ave., Minneapolis
9BTM—D. L. Smith, Bowen, Ill.
9BTN—F. R. Rosenbaum, 10 Riverside Apts., Ft. Leavenworth, Kans.
9BTO—G. W. Kornemann, 3335 Madison St., Denver, Colo.
9BTP—A. T. Railey, Winnebago, Minn.
9BTQ—K. W. Miller, Box 12, Milbank, S. D.
9BTR—L. C. Nelson, Sheffield, Ill.
9BTS—R. R. Crum, 211 E. Main St., Maroa, Ill.
9BTT—L. J. McKesson, Box 285, Excelsior, Minn.
9BTU—W. J. Casey, 5222 Minerva Ave., St. Louis, Mo.
9BTV—R. Anderson, 609 Case St., St. Paul, Minn.
9BTW—North High School, Fremont Ave., Minneapolis
9BTX—G. F. Smith, Akron, Ia.
9BTY—L. G. Lynn, 217 Selma Ave., Webster Groves, Mo.
9BTZ—P. Kelzer, 2647 Southport Ave., Chicago, Ill.
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9BUA—A. J. Grobarel, 2446 N. Artesian Ave., Chicago, Ill.
9BUB—A. Fischer, Jr., 811 Cass St., Chicago, Ill.
9BUC—R. H. Browning, 5735 Bartmer Ave., St. Louis, Mo.
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9BUG—M. S. Spatz, Fairfield, Neb.
9BUH—J. A. Palmer, 757 Ave. "B," Galesburg, Ill.
9BUI—C. J. Schwarz, 3907 N. 25th St., St. Louis, Mo.
9BUJ—C. M. Gutheil, 230 Short St., Winchester, Ind.
9BUK—J. Wilson, 510 Gary Ave., Wheaton, Ill.
9BUL—C. O. Gosch, 105 S. Oronogo St., Webb City, Mo.
9BUM—B. A. Onsum, Box 93, Glyndon, Minn.
9BUN—R. S. Chamberlin, 777 Marion St., Denver, Colo.
9BUO—G. E. Peterson, 512 7th Ave., Sterling, Ill.
9BUP—P. Lawton, 306 W. Lincoln St., Jefferson, Ia.
9BUQ—G. K. Hurd, 420 Kansas Ave., El Dorado, Kans.
9BUR—L. Kelly, R. R. No. 3, Russiaville, Ind.
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9BUW—A. Shaw, 7736 East End Ave., Chicago, Ill.
9BUX—B. A. Collins, 1515 E. 76th Place, Chicago, Ill.
9BUY—C. W. Johnson, 1305 N. 8th St., Independence, Kans.
9BUZ—C. H. Gore, Rockport, Mo.
9BV—M. H. Forbes, 525 Milwaukee Ave., Kenosha, Wis.
9BVA—L. G. Swendson, N. Main St., Amherst, Wis.
9BVB—F. T. Hyland, 613 W. Healy St., Champaign, Ill.
9BVC—H. U. DeVore, 511 E. Myrtle, Independence, Kans.
9BVD—E. J. Furlong, Perryville, Mo.
9BVE—R. Frazier, Bicknell, Ind.
9BVF—Cleveland H. S., Louisiana St., St. Louis, Mo.
9BVG—C. F. Rohlfing, Osman, Ill.
9BVH—Schulte & Stanford, 547 Grand St., Delta, Colo.
9BVI—F. Robinson, 903½ N. Main St., Newton, Kans.
9BVJ—G. McHarg, R. F. D. 4, Box 91, Brooklyn, Ia.
9BVK—Proviso Twp. H. S., Madison & First, Maywood, Ill.
9BVL—C. McIntyre, Belmond, Ia.
9BVM—D. E. Haist, Seaton, Ill.
9BVN—J. A. Flaherty, 278 N. 5th St., Kansas City, Kans.
9BVO—K. F. Smith, 1015 Pine St., Boulder, Colo.
9BVP—K. Heagy, 6136 Lowell Ave., Indianapolis, Ind.
9BVQ—W. S. Duncan, 712 Jordan St., Mt. Vernon, Ill.
9BVR—Ft. Dearborn Radio Corp, 7545 N. Clark, Chicago
9BVS—M. E. Whitcomb, 225 S. East, Redwood Falls, Minn.
9BVT—G. E. Burnett, 321 Josephine Ave., Madison, S. D.
9BVU—R. P. Freeman, Adel, Ia.
9BVV—H. C. Bender, 419 Nebraska Ave., Holton, Kans.
9BVW—F. W. Kirchner, Jr., 1208 E. Wash., Des Moines, Ia.
9BVX—Unassigned
9BVY—N. A. Canfield, 02 N. Freeman Ave., Luverne, Minn.
9BVZ—J. T. Hood, 1344 W. 34th St., Indianapolis, Ind.
9BW—J. Z. Winder, 413 N. 13th St., Richmond, Ind.
9BWA—W. Peterson, Main & Chicago Sts., Geneseo, Ill.
9BWB—R. A. Mosher, 2530 Artesian Ave., Chicago, Ill.
9BWC—F. E. Nelson, 216 Linn St., Boone, Ia.
9BWD—F. D. Kettering, 1822—24th St., Rock Island, Ill.
9BWE—J. P. Kenney, R. F. D. No. 3, Fairfield, Neb.
9BWF—F. T. Lallak, 2515 S. Harrison, Ft. Wayne, Ind.
9BWG—C. B. Raymond, Kilbourn, Wis.
9BWH—A. P. Brastad, 1814—13th St., S. Minneapolis
9BWI—R. E. Chapman, 115 N. Pearl St., McLeansboro, Ill.
9BWJ—R. H. Elliott, 2915 "R" St., Lincoln, Neb.
9BWK—R. A. Roose, 1011 College St., Topeka, Kans.
9BWL—I. D. Lineham, 4534 Dover St., Chicago, Ill.
9BWM—E. E. Mahacek, R. No. 1, Crete, Neb.
9BWN—G. K. Eaton, 4 N. 15th St., Ft. Dodge, Ia.
9BWO—J. A. Westerlund, Cambridge, Ill.
9BWP—E. J. Posselt, 5317 W. 25th St., Cicero, Ill.
9BWQ—H. A. Monson, 4519 Virginia Ave., Chicgao, Ill.
9BWR—G. B. James, 1414 S. Vermont St., Sedalia, Mo.
9BWS—E. J. Gross, 4523 N. Campbell Ave., Chicago, Ill.
9BWT—C. D. Burgess, Wenona, Ill.
9BWU—B. A. Halfpap, 300 S. Oakland, Green Bay, Wis.
9BWV—J. E. Davidson, N. Polk St., Albany, Mo.
9BWW—A. L. McCauley, 207 N. 23d St. Omaha, Neb.
9BWX—M. L. Edwards, 4820 Charlotte, Kansas City, Mo.
9BWY—H. E. Moore, Louisburg, Kans.
9BWZ—L. Westerman, Darlington, Wis.
9BX—Unassigned
9BXA—R. F. Fisher, 978 S. Vine St., Denver, Colo.
9BXB—V. Corliss, Madison, Minn.
9BXC—J. W. Albert, 604 S. Cherry St., Jefferson, Ia.
9BXD—F. O. Denton, Main St., Rankin, Ill.
9BXE—L. E. Jaecke, R. F. D. 4, Chapman, Kans.
9BXF—B. J. Callen, 302 Morrison St., Collinsville, Ill.
9BXG—F. N. Reidhenecker, 958 Tenney, Kansas City, Kans.
9BXH—R. L. Montgomery, 555 S. Gilpin St., Denver, Colo.
9BXI—C. E. Webb, Market St., Belmont, Wis.
9BXJ—H. Cerny, 1511 5th Ave., Belle Plaine, Ia.
9BXL—J. O. Barnes, 22 W. Maple Ave., Ottumwa, Ia.
9BXM—H. Warren, 2441 Race St., Denver, Colo.
9BXN—J. Vacca, 518 W. Erie St., Spring Valley, Ill.
9BXO—L. F. George, 912 Monroe Ave., S. Milwaukee Wis.
9BXP—B. Perkins, 520 S. Wheaton Ave., Wheaton, Ill.
9BXQ—H. M. Williams, 3207 W. Lake Pl., Denver, Colo.
9BXR—G. E. Prickett, 481 Addison St., Elgin, Ill.
9BXS—V. W. Garber, Station Hosp. Ft. Leavenworth, Kans.
9BXT—E. B. Chapman, Giltner, Neb.
9BXU—J. E. Bredeken, Hills, Minn.
9BXV—J. E. Hynes, 3349 University Ave. SE., Minneapolis
9BXW—J. D. Eng, 250 W. 22nd St., Chicago, Ill.
9BXX—G. K. Dabler, Wyanet, Ill.
9BXY—M. W. Ayer, 612 N. 31st St., Lincoln, Neb.
9BXZ—F. Schneller, 227 5th SW., Mason City, Ia.
9BY—Unassigned
9BYA—N. C. Warner, 3301 Maple Ave., Berwyn, Ill.
9BYB—A. Samuels, 5048 Woodlawn Ave., Chicago, Ill.
9BYC—L. O. Wiese, 1314 Seventh St., Perry, Ia.
9BYD—J. H. Henderson, Jr., 401 W. Ashland, Indianola, Ia.
9BYE—R. H. Kundiger, R. No. 4, Box 9, Oshkosh, Wis.
9BYF—F. F. Williams, Huron, Ind.
9BYG—H. B. Miller, 739 E. 4th St., Mishawaka, Ind.
9BYH—D. T. Diefenderfer, 619 Hawthorne, S. Milwaukee
9BYI—O. B. Banning, 217 Water St., Elkhart, Ind.
9BYJ—G. W. Kovell, Amherst Village, Wis.
9BYK—W. A. Coverdale, 7546 Clyde Ave., Chicago, Ill.
9BYL—C. Crabtree, 908 15th St., Winfield, Kans.
9BYM—S. F. Smith, 580 Washington St., Marseilles, Ill.
9BYN—S. G. Read, 205 N. High St., La Grange, Ind.
9BYO—W. L. Zednik, Wilber, Neb.
9BYP—J. Wood, 17 E. Second St., Pana, Ill.
9BYQ—C. J. Windisch, Louisburg, Kans.
9BYR—G. H. Williams, 717 S. 12th St., St. Louis, Mo.
9BYS—M. Yeager, 4131 Pleasant St., St. Louis, Mo.
9BYT—E. F. Marshino, 405 Depot St., Vincennes, Ind.
9BYU—W. Hoch, Marion, Kans.
9BYV—C. L. Fisher, 719 E. 4th St., Maryville, Mo.
9BYW—B. O. Tweet, Radcliffe, Ia.
9BYX—H. J. English, 844 W. College Av., Jacksonville, Ill.
9BYY—K. W. Buck, Waterville, Minn.
9BYZ—R. Z. Brown, 207 Cole St., E. Peoria, Ill.
9BZ—J. J. McDowell, 6616 Minerva Ave., Chicago, Ill.
9BZA—C. R. Woods, 801 N. Birch St., Creston, Ia.
9BZB—M. W. Price, 4626 E. Washington, Indianapolis.
9BZC—W. J. Cahill, Plainview, Neb.
9BZD—S. M. & C. C. Wene, 455 Magnolia, Chicago, Ill.
9BZE—L. Smith, 207 W. Court Ave., Winterset, Ia.
9BZF—H. C. Smith, R.F.D. 1, Jamestown, N. D.
9BZG—M. R. Howard, 917 Madison St., Topeka, Kans.
9BZH—F. B. Heselton, 520 S. Ball St., Webb City, Mo.
9BZI—R. W. Thielke, Ackley, Ia.
9BZJ—S. W. Kendrick, 2919 Chateau Ave., St. Louis.
9BZK—G. E. L. Anderson, Main St., Oakland, Neb.
9BZL—J. W. Locke, 1495—11th St., Marion, Ia.
9BZM—W. Larson, 627 Higgins St., Neenah, Wis.
9BZN—A. W. Willard, Riverside, Ill.
9BZO—R. A. Helman, 2849 Diversey Ave., Chicago, Ill.
9BZP—A. G. Peck, 401 Bates Ave., St. Paul, Minn.
9BZQ—D. E. Lambert, 319 N. Yale St., Geneseo, Ill.
9BZR—R. B. Mossman, 711½ W. 3rd St., Davenport, Ia.
9BZS—W. E. McDaniel, 1309 S. 55th Ave., Omaha, Neb.
9BZT—H. W. Rinzel, 685—51st Ave., West Allis, Wis.
9BZU—Kansas City Council (Boy Scouts of America) Noel, Mo.
9BZV—B. J. Graybill, 744 Cot. Grove Ave., S. Bend, Ind.
9BZW—F. B. Barrett, 1002 N. Moffat, Joplin, Mo.
9BZX—R. H. Snedeker, 1802 Ohio St., Connorsville, Ind.
9BZY—C. C. Yoakley, 1214 S. 4th St., Springfield, Ill.
9BZZ—R. L. Hanson, Stockton, Ill.
9CA—G. W. Bergman, 400 W. Chippewa, Dwight, Ill.
9CAA—C. R. Stedman, 1641 Albion St., Denver, Colo.
9CAB—M. H. Nelles, 702—2nd St., N.W., Madison, S. D.
9CAC—O. B. Gambill, 502—16th, Independence, Kans.
9CAD—A. Lauck, 418 Jefferson Ave., Alton, Ill.
9CAE—J. S. Gullborg, Jr., 4623 S. Beacon St., Chicago.
9CAF—W. R. Calver, Jr., Box 16, Westervelt, Ill.
9CAG—Unassigned
9CAH—E. Wickland, 7223 Greenwood Ave., Chicago, Ill.
9CAI—A. G. Garrett, 131—8th St., Newport, Ky.
9CAJ—K. & F. P. Wolfe, 322½ S. Francis, Pipestone, Minn.
9CAK—E. V. Goodwin, 1721 Williams, Great Bend, Kans.
9CAL—G. A. Kleln, Winnebago, Minn.
9CAM—D. F. Soiney, 615—4th Ave., Belle Plaine, Ia.
9CAN—R. H. Osborne, 1100 N. Oak St., Creston, Ia.
9CAO—G. W. Chamberlain, Rock Port, Mo.
9CAP—A. C. Wachs, 109 E. 10th St., Paris Ky.
9CAQ—E. E. DuBand, Jr., 1336 Castlewood, Louisville.
9CAR—R. P. Ballou, 1705 N. 8th Ave., Ft. Dodge, Ia.
9CAS—H. F. & C. E. Berg, 751—39th St., Milwaukee.
9CAT—B. Marshall, Marshall Radio Co., Richmond, Mo.
9CAU—F. E. Howdle, Montfort, Wis.
9CAV—J. R. Beshetrits, 1834 Mallory, Cedar Rapids, Ia.
9CAW—E. T. Rippy, Jr., 408 N. College, Richmond, Mo.
9CAX—J. D. Barrett, 931 N. Keeler Ave., Chicago, Ill.
9CAY—J. Corridori, 105 E. Cahokia St., Centralia, Ill.
9CAZ—Unassigned
9CB—W. C. Kohl, 210 N. Taylor, Ave., St. Louis, Mo.
9CBA—K. W. Clark, 547 W. Wash., Winchester, Ind.
9CBB—D. Redmond, 1120 Bertsch Ave., Waterloo, Ia.
9CBC—E. L. Tovrea, 422 N. Main St., Mt. Pleasant, Ia.
9CBD—P. R. Kennedy, 5818 Oak Ave., Indianapolis, Ind.
9CBE—E. H. Craven, 519 Grand St., Gd. Junction, Colo.
9CBF—A. F. Myhre, 721—4th St., N.E., Watertown, S.D.
9CBG—J. E. Carter, Marshall, Ind.
9CBH—R. D. Hart, 302 Erie St., Valparaiso, Ind.
9CBI—L. DeLighter, 3435 Franklin Blvd., Chicago, Ill.
9CBJ—G. E. Ekblad, 604 W. Myrtle St., Stillwater, Minn.
9CBK—J. H. Platz, Clay Center, Neb.
9CBL—M. F. Reed, 1207 W. Charles, Grand Island, Neb.
9CBM—Unassigned
9CBN—South High School Radio Club, Cedar Ave. & 24th St., Minneapolis, Minn.
9CBO—W. E. Florea, 406 Franklin St., Kirksville, Mo.
9CBP—M. MacLeod, 642 E'gin Ave., Forest Park, Ill.
9CBQ—C. C. Reed, Box 105, Weston, Mo.
9CBB—W. N. Meyers, Orient, S. D.
9CBS—C. A. Wilson, 4622 N. Robey St., Chicago, Ill.
9CBT—R. Towne, 1133 Kentucky St., Lawrence, Kans.
9CBU—M. T. Anderson, 826 Wolfe St., Muncie, Ind.
9CBV—L. R. Hosking, 596 Cherokee Ave., St. Paul.
9CBW—A. E. Gower, 162 Morgan St., Tracy, Minn.
9CBX—J. J. King, 203 Main St., Frankfort, Ky.
9CBY—O. Bichardson, 115 S. Riverside Dr., Ames, Ia.
9CBZ—H. Overturf, 1635 N. Carolina, Mason City, Ia.
9CC—Coe College, 1st Ave. & 12 St., Cedar Rapids, Ia.
9CCA—Unassigned
9CCB—Unassigned
9CCC—Unassigned
9CCD—H. J. Parish, 427 Jackson St., Milwaukee, Wis.
9CCE—H. C. Walmutt, Hopkinton, Ia.
9CCF—E. M. Toellner, 309 N. Francis St., Madison, Wis.
9CCG—W. E. Mueller, 349 National Ave., Milwaukee.
9CCH—T. Hien, 613—3rd Ave., Milwaukee, Wis.
9CCI—W. Campbell, 3979 Drexel Blvd., Chicago, Ill.
9CCJ—L. E. Freiberg, 3728 St. Louis Ave., Chicago.
9CCK—Leffingwell Drug Co., Main & Chi., Evanston, Ill.
9CCL—A. J. Spillman, Buffalo, Kan.
9CCM—M. J. Earl, Dana, Ill.
9CCN—P. Bjork, 323 E. 10th St., Lockport, Ill.
9CCO—F. Baker, 402—5th St., Petersburg, Ind.
9CCP—M. Brazil, R. R. No. 6, Waseca, Minn.
9CCR—J. Jansta, 1409 Marquette St., Racine, Wis.
9CCS—M. Lewis, 312 E. Rutledge St., Yates Ctr., Kans.
9CCT—Unassigned
9CCU—R. Schultz, Henry, Ill.
9CCV—E. Barricklow, Courtland, Kans.
9CCW—F. D. Burnett, 3837-a Utah Pl., St. Louis, Mo.
9CCX—R. Pfisterer, 1411—2nd Ave., Evansville, Ind.
9CCY—L. B. Vennard, 107 N. Main St., Wapello, Ia.
9CCZ—A. V. Roberts, 1241 Perry Ave., Wichita, Kans.
9CD—F. J. Marco, 5723 Winthrop Ave., Chicago, Ill.
9CDA—E. Petzeld, Jr., 1122 Milwaukee, S. Mil'kee, Wis.
9CDB—E. B. Pickard, Lena, Ill.
9CDC—T. S. Berry, 707 W. Ashland, Indianola, Ia.
9CDD—F. J. Marco, 5723 Winthrop Ave., Chicago, Ill.
9CDE—M. O. Davis, 805 Carson Ave., La Junta, Colo.
9CDF—M. L. Perry, Jr., State Hospital, Topeka, Kans.
9CDG—R. Kraft, 3750 N. St. Louis Ave., Chicago, Ill.
9CDH—L. Schott, 210½ W. 2nd St., Sedalia, Mo.
9CDI—S. R. LaNier, 5671 Fulton St., Chicago, Ill.
9CDJ—A. E. Woodruff, 411 Walnut St., Glenwood, Ia.
9CDK—R. S. Campbell, 1926—32nd St., Rock Island, Ill.
9CDL—C. Rissman, 6342 N. Claremont St., Chicago.
9CDM—R. E. Hill, Low Moor, Ia.
9CDN—S. Ram, 1153 N. Spaulding Ave., Chicago, Ill.
9CDO—M. Beeves, 8 E. 53rd Ter. Kansas City, Mo.
9CDP—O. S. Davis, Luverne, Minn.
9CDQ—F. Nagel, 621 Vine St., Paris, Ky.
9CDR—E. J. Caveny, Main St., Luverne, Minn.
9CDS—Unassigned
9CDT—R. L. Worrell, Walkerton, Ind.
9CDU—Unassigned
9CDV—W. J. Zeidlik 303 Domers, E. Grand Forks, Minn.
9CDW—G. C. Rehm, 4354 Itasha St., St. Louis, Mo.
9CDX—J. G. Haub, 1526 Lincoln St., Racine, Wis.
9CDY—B. Sjostrom, 905—4th Ave., Rockford, Ill.
9CDZ—L. M. Roeder, 202 North St., Dwight, Ill.
9CE—T. H. Lokken, 162 Bluff St., Ishpening, Mich.
9CEA—F. E. Saint, 200 N. Pioneer Ave., Lyons, Kans.
9CEB—J. G. Buch, Riverside Drive, McHenry, Ill.
9CEC—H. R. Moore, 334 Main St., Ottawa, Kans.
9CED—I. M. Dexter, 207 E. Chatauqua, Carbondale, Ill.
9CEE—H. J. Cornitius, 5935 Kingsbury Blvd., St. Louis.
9CEF—C. G. Knapp, 511 Duff Ave., Ames, Ia.
9CEG—Unassigned
9CEH—P. Shurr, 802 N. Freeman St., Luverne, Minn.
9CEI—Unassigned
9CEJ—R. J. Harris, 6522 Evans Ave., Chicago, Ill.
9CEK—S. F. Marti, 5528 Michigan Ave., Chicago, Ill.
9CEL—C. H. Will, 1210 Boundary St., Red Oak, Ia.
9CEM—M. B. Houghton, 916 Madison St., Elkhart, Ind.
9CEN—H. S. Good, 1912 Heidel St., Covington, Ky.
9CEO—C. T. Gustafson, 1506 Carney, Marinette, Wis.
9CEP—L. Connoy, 1639 Ashland Ave., Indianapolis, Ind.
9CER—Unassigned
9CES—Unassigned
9CET—A. Arneson, 117 Vasa Ave., Fergus Falls, Minn.
9CEU—G. S. Baker, 2336 Tower Grove Ave., St. Louis.
9CEV—M. M. Littleton, 1314 E. Wash., Madison, Wis.
9CEW—G. A. Schlinkert, 1319 N. Crawford, Chicago.
9CEX—Ill. Fixt. & Elec. Sup. Co., 56 W. Lake, Chicago.
9CEY—D. A. Fish, 2524 Acoma St., Denver, Colo.
9CEZ—Unassigned
9CF—F. Preucil, Jr., 174 N. Scoville, Oak Park, Ill.
9CFA—E. H. Black, 11515 Wallace St., Chicago, Ill.
9CFB—H. C. Ingle, Thoyer, Mo.
9CFC—S. S. Stoller, 2445 Chicago, Ave., Chicago, Ill.
9CFD—O. S. Parker, 1301 Carmen Ave., Chicago, Ill.
9CFE—W. R. Cottrell, Prairie City, Ia.
9CFF—R. W. Blucke, 1045 S. 2nd St., Springfield, Ill.
9CFG—E. D. Trout, 801 Jefferson St., Charleston, Ill.
9CFH—Unassigned
9CFI—V. D. Wilson, 128 N. Cedar St., Ottawa, Kans.
9CFJ—M. S. Adams, 323 E. 17th Ave., Denver, Colo.
9CFK—C. L. Arundale, 1203 S. Main St., Lewiston, Ill.
9CFL—J. C. McGregor, 304 E. Washington, Pontiac, Ill.
9CFM—F. Adam Elec. Co., 902-4 Pine St., St. Louis, Mo.
9CFN—C. Carrm, 145 N. California St., Sheridan, Ind.
9CFO—D. Anderson, 1320 W. 44th St., Des Moines, Ia.
9CFP—M. W. McRae, 634 Grace St., Chicago, Ill.
9CFQ—J. J. Cerry, 5612 W. 24th St., Cicero, Ill.
9CFR—L. E. Howard, 1514 Superior St., Bacine, Wis.
9CFS—F. S. Palm, 5815 Roosevelt Rd., W., Cicero, Ill.
9CFT—J. F. Schneider, Summer St., Schofield, Wis.
9CFU—W. Beeler, 428 Wyoming St., Creston, Ia.
9CFV—E. C. Chandler, 341 S. 11th St., Havelock, Neb.
9CFW—P. J. Dougherty, 2219 W. 2nd St., Duluth, Minn.
9CFX—H. R. Ryan, R.F.D. 4, Baraboo, Wis.
9CFY—C. O. Ford, 523 S. Hancock St., Colo. Spgs., Colo.
9CFZ—C. Fyfe, 454 Newberry Blvd., Milwaukee, Wis.
9CG—B. J. Iverson, 422—16th Ave., Maywood, Ill.
9CGA—M. F. Buck, 677 Lawn Ridge, Huron, S. D.
9CGB—R. J. LeDuc, 810 Minneosota, S. Milwaukee, Wis.
9CGC—S. R. Durand, 384 Lake Drive, Milwaukee, Wis.
9CGD—S. C. Hoeper, 434 Washington St., Neenah, Wis.
9CGE—R. P. Mathison, 1405 Wisconsin, Gladstone, Mich.
9CGF—W. C. Huber, 103 N. 14th St., Richmond, Ind.
9CGG—J. H. Palst, 2298 Commonw'lth, St. Paul, Minn.
9CGH—Unassigned
9CGI—J. F. Hladky, R.F.D. 3, Box 16, Victor, Ia.
9CGJ—W. C. Kinser, Virginia, Ill.
9CGK—J. W. Korman, 3518 Itaska St., St. Louis, Mo.
9CGL—W. S. Waldrip, R.F.D. No. 1, Attica, Ind.
9CGM—R. B. Brown, Lawrence, Kans. (1045 E. 19th).
9CGN—J. A. Steinlage, 2550 N. Grand Ave., St. Louis.
9CGO—Unassigned
9CGP—T. W. Dresen, 313 N. Francis St., Madison, Wis.
9CGQ—G. E. Plotts, Hampton, Neb.
9CGR—H. L. Perhatz, R.F.D. 5, Box 17, Oshkosh, Wis.
9CGS—R. E. Ververka, 3071 S. 32nd St., Omaha, Neb.
9CGT—G. T. Eastland, 2110 Clark St., Chicago, Ill.
9CGU—W. H. Bornholdt, 412 Windom, St., Peoria, Ill.
9CGV—R. C. Ankeny, 204 W. Bluff St., Marseilles, Ill.
9CGW—L. K. Hill, Fairfield, Neb.
9CGX—D. F. Simonton, 216 W. Beardsley, Elkhart, Ind.
9CGY—C. M. Moulder, 1712 W. 14th, Davenport, Ia.
9CGZ—Unassigned
9CH—Unassigned
9CHA—R. N. Lynn, R.F.D. 1, Virginia, Ill.
9CHB—R. H. Weyant, 615 E. Morgan St., Dixon, Ill.
9CHC—C. H. Johnston, 820 N. Main St., Spencer, Ia.
9CHD—D. R. Laird, Lincoln St., Box 71, Malvern, Ia.
9CHE—W. C. Forrest, R.D., Arl'ton Twp., Poynette, Wis.
9CHF—R. Lewis, 625 S. Church St., Princeton, Ill.
9CHG—B. D. Rauth, 1518 Spring, Jeffersonville, Ind.
9CHH—E. E. Zimmerman, 121 McKay, Frontenac, Kans.
9CHI—G. Armstrong, Britt, Ia.
9CHJ—H. Schnur, Jr., Eastmoreland Pl., Joplin, Mo.
9CHK—J. B. Parker, 309 S. E. 2nd St., Washington, Ind.
9CHL—A. C. VanRavenswaay, 714 Morgan St., Boonville, Mo.
9CHM—F. B. Smiley, 514 S. Jaskson, Belleville, Ill.
9CHN—O. A. Rosel, St. Ansgar, Ia.
9CHO—J. A. Davies, 517 Ottumwa St., Ottumwa, Ia.
9CHP—W. L. Wilhelms, Main St., Parkersburg, Ia.
9CHQ—T. Kennedy, 2613 Stevens St., Madison, Wis.
9CHB—K. D. Turner, Kirkland, Ill.
9CHS—R. Emison, 411 S. Main St., El Dorado Spgs., Mo.
9CHT—Unassigned
9CHU—F. J. Scott, 609 Locust St., Rockford, Ill.
9CHV—G. W. Earnhart, 508 Harvey, W. Lafayette, Ind.
9CHW—E. M. Strout, 601 E. Jefferson, Valparaiso, Ind.
9CHX—R. C. Middour, 6404 Wells Ave., St. Louis, Mo.
9CHY—R. DuPuy, 1663 St. Claire St., St. Paul, Minn.
9CHZ—J. G. Schroeder, Wisner, Neb.
9CI—B. C. Cravens, 214 S. Kinney St., Angola, Ind.
9CIA—W. B. Smith, 2239 Bellefontaine St., Indianapolis.
9CIB—R. M. Hukle, R. 4, Box 23, Lexington, Ky.
9CIC—C. M. Fischbach, 222 S. Popular, Seymour, Ind.
9CID—G. I. Godbey, 210 Bridge St., Peoria, Ill.
9CIF—M. F. Kottmeier, 2214 D St., Granite City, Ill.
9CIF—A. O. Peterson, 706 N. 3rd St., Ft. Dodge, Ia.
9CIG—I. G. Sennet, 2204 W. 3rd St., Duluth, Minn.
9CIH—T. J. Casey, Farmington, Minn.
9CII—C. F. Quentin, 820 Minnesota, S. Milwaukee, Wis.
9CIJ—J. Sterling Morton High School, 60th Ave. & 25th St., Cicero, Ill.
9CIK—I. Nelson, 1010 Michigan Ave., Menominee, Mich.
9CIL—E. B. Dahl, Britt, Iowa.
9CIM—F. H. McIntosh, 4160 Chicago St., Omaha, Neb.
9CIN—M. W. Utterback, 3126 Kleckner Ct., Lincoln, Neb.
9CIO—J. A. Dieter, 118 N. Main St., Naperville, Ill.
9CIP—F. & D. Weyerhaeuser, 480 Grand, St. Paul, Minn.
9CIQ—Unassigned
9CIR—Unassigned
9CIS—M. D. Hoover, 216 W. Third St., Bicknell, Ind.
9CIT—H. S. Carr, Dickinson, N. D.
9CIU—F. C. Shidel, Amherst, Wis.
9CIV—B. G. Brew, 4502 Beloit Rd., W. Milwaukee, Wis.
9CIW—A. E. Mickel, 308 N. First St., Marshalltown, Ia.
9CIX—Unassigned
9CIY—L. Haijsman, 808—7th Ave., Marion, Ia.
9CIZ—K. A. Smith, 210 Railroad St., Percy, Ill.
9CJ—R. Wahlmann, 3257 Fremont Ave., St. Louis, Mo.
9CJA—M. B. Wells, 2145 Hazel Ave., Indianapolis, Ind.
9CJB—A. Ebert, 920—20th Ave., Milwaukee, Wis.
9CJC—J. C. Mosby, Jr., 425 Fairlawn, Webster Groves, Mo.
9CJD—D. B. Victor, 1102 Park Ave., Omaha, Neb.
9CJE—C. A. Pine, 818 W. 6th St., Coffeyville, Kans.
9CJF—Unassigned
9CJG—F. M. Henry, 12 E. Bijou St., Colo. Springs, Colo.
9CJH—Unassigned
9CJI—Radio Service Station, 1000 Sumner St., Berlin, Wis.
9CJJ—Unassigned
9CJK—Unassigned
9CJL—Unassigned
9CJM—P. D. Crout, 219—23d St., Milwaukee, Wis.
9CJN—P. F. Walker, Toulon, Ill.
9CJO—B. J. Chromy, Honkins, Minn.
9CJP—G. L. Gerner, 2000 W. 41st St., Rosedale, Kans.
9CJQ—E. L. Ruth, R. R. No. 3, Freeport, Ill.
9CJR—B. Reeding, 455 E. Park Drive, Huntington, Ind.
9CJS—M. J. Junkins, Bryant, S. D.
9CJT—H. Neilsen, 4708 N. 39th St., Omaha, Neb.
9CJU—Unassigned
9CJV—E. P. East, 2141 G St., Lincoln, Neb.
9CJW—Unassigned
9CJX—W. J. O'Neill, Jr., 123 Summit, Downers Grove, Ill.
9CJY—T. P. Kinn, 1224 California St., Denver, Colo.
9CJZ—W. M. Pearson, 327 Main St., Mt. Vernon, Ind.
9CK—R. J. Palmer, Cambridge, Ia.
9CKA—C. H. Guillaume, Elk Point, S. D.
9CKB—Unassigned
9CKC—J. D. McLane, 113—8th Ave. N., West Bend, Wis.
9CKD—W. F. Mathemeier, Sixth St., Webster, S. D.
9CKE—J. L. Jenkins, 1104 Burham Ave., Johnson City, Ill.
9CKF—M. M. Stanley, 1520—42d St., Des Moines, Ia.
9CKG—G. H. Smith, 1076 Fittieth St., Milwaukee, Wis.
9CKH—T. D. Fox, 1603 Shelby Pl., New Albany, Ind.
9CKI—M. G. Thomas, 306 Jackson Ave., Seward, Neb.
9CKJ—A. R. Meler, Box 253, Russell, Kans.
9CKK—G. E. Perkins, 803 Main St., Sac City, Ia.
9CKL—L. C. Bolin, 1106 Michigan Ave., Menominee, Mich.
9CKM—A. E. Meditz, 623 Sandusky, Kansas City, Kans.
9CKN—C. W. Furnberg, 615 Tenth Ave. N., Fargo, N. D.
9CKO—Unassigned
9CKP—E. Haven, 2040 G St., Granite City, Ill.
9CKQ—D. V. Cummins, Wilmot, S. D.
9CKR—O. E. Dahl, Britt, Ia.
9CKS—S. Forrest Martin, 416 S. Buchanan, Maryville, Mo.
9CKT—W. E. Marquart, 103 S. Union Ave., Madison, S. D.
9CKU—Unassigned
9CKV—S. Carroll, 3322 Oakland Ave., Minneapolis, Minn.
9CKW—W. W. Nodolk, Mound Ave., Belmont, Wis.
9CKX—Unassigned
9CKY—Unassigned
9CKZ—W. Howard, 701 Arapahoe Ave., Boulder, Colo.
9CL—Unassigned
9CLA—Unassigned
9CLB—Unassigned
9CLC—Unassigned
9CLD—F. B. Denney, 412—7th St., Fowler, Colo.
9CLE—M. D. McComas, Washington St., Courtland, Kans.
9CLF—G. J. Klngston, Giltner, Neb.
9CLG—Unassigned

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9CLH—L. L. Lindstrom, Gresham, Neb.
9CLI—Unassigned
9CLJ—J. Turner, 200 N. Oakland Ave., Decatur, Ill.
9CLK—Unassigned
9CLL—Unassigned
9CLM—Unassigned
9CLN—A. E. Thompson, 812 Spencer Ave., Marion, Ind.
9CLO—S. C. Farwell, 2215 W. 5th St., Sioux City, Ia.
9CLP—Unassigned
9CLQ—J. M. Swigert, 919—42d St., Des Moines, Ia.
9CLR—C. H. Schaaf, 266 Juneau Ave., Milwaukee, Wis.
9CLS—D. McNeil, 152 Pleasant Dr., Pierre, S. D.
9CLT—Unassigned
9CLU—L. R. Watts, 2708 Mondamin Ave., Des Moines, Ia.
9CLV—Unassigned
9CLW—T. H. Kelly, 911 Pine St., Marquette, Mich.
9CLX—F. J. Coseglia, 1028 Clinton Ave., Oak Park, Ill.
9CLY—F. G. Packwood, 202 W. Davidson, Chaffee, Mo.
9CLZ—J. M. Martin, 447 East St., Jacksonville, Ill.
9CM—E. N. Fridgens, Third St., Trempealeau, Wis.
9CMA—K. E. Emerson, 639 Arcade St., St. Paul, Minn.
9CMB—Unassigned
9CMC—H. A. Huber, 2424 State St., Granite City, Ill.
9CMD—J. R. Ording, 6235 Simpson Ave., St. Louis, Mo.
9CME—Unassigned
9CMF—Unassigned
9CMG—E. C. Volz, 108 W. Pearl St., Winamac, Ind.
9CMH—W. H. West, 1315 N. Hamilton Ave., St. Louis, Mo.
9CMI—G. G. Sheley, 705 S. Clark Ave., Mexico, Mo.
9CMJ—L. C. Hetland, Audubon, Minn.
9CMK—N. R. Van Arsdale, 2864 Bristol St., Omaha, Neb.
9CML—D. E. Holt, 1345 E. Penna St., Lawrence, Kans.
9CMM—P. B. Nelson, 622 Main St., Anoka, Minn.
9CMN—S. J. Saegesser, 2510 "D" St., Granite City, Ill.
9CMO—Unassigned
9CMP—Unassigned
9CMQ—C. E. Miller, Bradfall Ave., Wahoo, Neb.
9CMR—H. R. Likens, 1420 E. Winchester, Ashland, Ky.
9CMS—Unassigned
9CMT—O. S. Davis, 118 W. Warren St., Luverne, Minn.
9CMU—Unassigned
9CMV—A. Riedel, 1476—24th St., Milwaukee, Wis.
9CMW—Unassigned
9CMX—Unassigned
9CMY—J. W. Morris, 1128 Neosho St., Emporia, Kans.
9CMZ—L. G. Halm, R. No. 4, Box 83, West Allis, Wis.
9CN—B. E. Linholm, 1443 Foster Ave., Chicago, Ill.
9CNA—W. A. Jacoby, Jr., 326 Linwood St., Indianapolis
9CNB—D. A. Shoen, Goldfield, Ia.
9CNC—Unassigned
9CND—E. L. Pickett, 503 N. 2d Ave., Marshalltown, Ia.
9CNE—R. Worster, Jr., North Liberty, Ind.
9CNF—H. F. Parr, Cedar Rapids, Ia.
9CNG—Unassigned
9CNH—Peerless Elec. Co., 227 S. Fifth, Minneapolis, Minn.
9CNI—Unassigned
9CNJ—Unassigned
9CNK—G. A. Hawkins, 360 S. Corona St., Denver, Colo.
9CNL—H. A. Stewart, R. R. O, Box 583, Indianapolis, Ind.
9CNM—Unassigned
9CNN—R. L. Jenson, 1205 S. 4th St., Forest City, Ia.
9CNO—C. R. Putnam, 1246 N. Meado St., South Bend, Ind.
9CNP—O. C. P. Connelly, 1302 E. Main, New Albany, Ind.
9CNQ—B. E. Briar, R. F. D. No. 2, Virginia, Ill.
9CNR—N. H. Willis, 224 Hartwell St., Waukesha, Wis.
9CNS—T. C. Shipley, Rushville, Neb.
9CNT—L. A. Dey, N. 1st St., Osborne, Kans.
9CNU—Unassigned
9CNV—W. M. Oelschlaeger, 1513 Bunion, Ft. Wayne, Ind.
9CNW—E. H. Bacon, 5843 Bartmer Ave., St. Louis, Mo.
9CNX—K. Meyer, 369—5th Ave., St. Cloud, Minn.
9CNY—F. P. Watts, 512 Fourth St., Independence, Kans.
9CNZ—C. F. Anderson, 1126 Gibbs Ave., St. Paul, Minn.
9CO—J. F. Shannon, 914—9th Ave., Duluth, Minn.
9COA—Unassigned
9COB—T. Wang, 3546 Wilton Ave., Chicago, Ill.
9COC—C. T. Wall, 4227 Abbott Av. S., Minneapolis, Minn.
9COD—R. M. Planck, 615 W. McClure Ave., Peoria, Ill.
9COE—P. W. Sayles, 1219 Knoxville Ave., Peoria, Ill.
9COF—F. W. Niskern, 613 First Ave., St. Cloud, Minn.
9COG—E. A. Hogbin, 5658a Coto Brilliante, St. Louis, Mo.
9COH—Unassigned
9COI—F. E. Mohs, 315 N. Lake St., Madison, Wis.
9COJ—H. R. Nerger, Webster, S. D.
9COK—D. Lee, 111 E. 13th St., Harper, Kans.
9COL—Q. Swigart, 836 Avenue "A," Galesburg, Ill.
9COM—E. W. Landgraf, 546 S. Pacific Cape Girardeau, Mo.
9CON—W. W. Roper, 410 E. Bryan St., Hopkinsville, Ky.
9COO—M. B. Webb, 946 S. Third St., Louisville, Ky.
9COP—J. P. Werk, Mulberry, Kans.
9COQ—C. J. Bartling, 1101 W. Poplar St., Taylorville, Ill.
9COR—Unassigned
9COS—F. J. Harriman, 903 Perry St., Appleton, Wis.
9COT—G. S. Banks, 744 N. 3d St., Minneapolis, Minn.
9COU—Unassigned
9COV—F. R. Linda, Jr., Gore & Glendale, Web. Gr., Mo.
9COW—L. Kessel, 1215 S. 4th Ave., Maywood, Ill.
9COX—J. H. Bell, 2821 Prairie Ave., Mattoon, Ill.
9COY—Unassigned
9COZ—F. Post, R. D. 3, Box 2, North Rd., Auburn, Ill.
9CP—J. R. Miller, 866 Calumet Ave., Hammond, Ind.
9CPA—C. DeLong, 2214 Shelby Ave., Mattoon, Ill.
9CPB—R. E. Norene, 2404 Crown Point Ave., Omaha, Neb.
9CPC—H. J. Nemec, 816—14th St., Cedar Rapids, Ia.
9CPD—L. C. Adams, 201 S. Vermont St., Mason City, Ia.
9CPE—H. A. Wells, 2147 Hazel St., Indianapolis, Ind.
9CPF—W. H. Jennings, 1020 First E., Cedar Rapids, Ia.
9CPG—Unassigned
9CPH—Unassigned
9CPI—Unassigned
9CPJ—C. G. Pelton, 421 Pine St., Waterloo, Ia.
9CPK—H. O. Stoner, Fairfax, Mo.
9CPL—D. E. Wilson, 1438 Newberry Ave., Marinette, Wis.
9CPM—Unassigned
9CPN—J. F. Riley, Jr., R. F. D. No. 6, Park, Attica, Ind.
9CPO—N. H. Schensted, Brooten, Minn.
9CPP—C. R. Crever, St. Joseph, Minn.
9CPQ—H. M. Hanson, 810 McKenzie St., Luverne, Minn.
9CPR—C. E. Rhode, 128 N. Main St., Eureka, Kans.
9CPS—V. Marlowe, Cass Lake, Minn.
9CPT—G. F. Franz, 524 Bluff St., Beloit, Wis.
9CPU—L. J. Schnell, 820 N. Pine St., Colorado Spgs., Colo.
9CPV—H. A. Sears, Eureka, Kans.
9CPW—J. E. Cook, R. F. D. 5, Box 154, Independence, Mo.
9CPX—Unassigned
9CPY—E. A. Scheer, 4844 Margaretta Ave., St. Louis, Mo.
9CPZ—E. R. Dillman, 715 Cromwell Ave., St. Paul, Minn.
9CR—C. J. Reese, 1832 N. Fairfield Ave., Chicago, Ill.
9CRA—V. Sierpinski, 1506—4th Ave., Milwaukee, Wis.
9CRB—Cornell College, Mount Vernon, Ia.
9CRC—R. B. Remnaker, R. F. D. No. 3, Converse, Ind.
9CRD—L. Manger, 819 Rudd Ave., Canon City, Colo.
9CRE—Unassigned
9CRF—W. Hoist, 4042 N. Bernard St., Chicago, Ill.
9CRG—Unassigned
9CRH—A. M. Garrett, 301½ Main St., Maryville, Mo.
9CRI—R. E. Morris, 3017 S. 2d Ave., Minneapolis, Minn.
9CRJ—B. Bidne, 721 Medary Ave., Brookings, S. D.
9CRK—E. Jaeger, 230 Clermont St., Antigo, Wis.
9CRL—Unassigned
9CRM—R. F. Piper, 307 W. 1st St., West Plains, Mo.
9CRN—Unassigned
9CRO—Unassigned
9CRP—Sgt. Karl O. Botnen, Hq. Co. 3rd Inf., Ft. Snelling, Minn.
9CRQ—Unassigned
9CRR—J. M. Stevenson, Tarkio, Mo.
9CRS—Unassigned
9CRT—G. A. Scherer, 117 N. McCann St., Kokomo, Ind.
9CRU—E. W. Stewart, Fairfax, Mo.
9CRV—Unassigned
9CRW—Unassigned
9CRX—J. H. Bruning, 111 E. Adams St., Havana, Ill.
9CRY—J. H. Millus, Jr., 302 Wadsworth, Collinsville, Ill.
9CRZ—A. E. Olsen, 54 W. American St., Freeport, Ill.
9CS—D. I. Bailey, 525 Kenilworth Ct., Clinton, Ia.
9CSA—W. J. Muir, 2857 Fulton St., Chicago, Ill.
9CSB—J. V. Butterfield, 1614 W. Main St., Knoxville, Ia.
9CSC—W. N. Lambert, 1910 Washington, Columbus, Ind.
9CSD—Unassigned
9CSE—C. S. Powell, 714 Locust St., St. Louis, Mo.
9CSF—Unassigned
9CSG—C. S. Hickman, 41 Gilbert Ave., Terre Haute, Ind.
9CSH—Unassigned
9CSI—Unassigned
9CSJ—R. Schlegel, 2524 Portland Ave., Minneapolis, Minn.
9CSK—H. G. Crofts, Carrier Mills, Ill.
9CSL—Unassigned
9CSM—E. J. Bromley, Jr., La Grange, Wis.
9CSN—B. W. Deal, 816 W. 10th St., Owensboro, Ky.
9CSO—C. W. Williams, Box 182, Cave City, Ky.
9CSP—R. R. Boorman, R. F. D. 1, White Bear, Minn.
9CSQ—H. Asmus, 3902 Peters Ave., Sioux City, Ia.
9CSR—H. L. Olesen, 922 N. St. John's Ave., Highland Park, Ill.
9CSS—H. H. Gutmann, 2919 Cottage Grove, Chicago, Ill.
9CST—L. R. Greene, 4224 Harrison, Kansas City, Mo.
9CSU—F. A. Tull, Lapel, Ind.
9CSV—L. Bruchiss, 2164 Lincoln Ave., Chicago, Ill.
9CSW—H. McMaster, 824 E. Thompson St., Taylorville, Ill.
9CSX—E. Platten, 218 Oakland Ave. N., Green Bay, Wis.
9CSY—G. R. Hise, 4309 Pleasant St., Des Moines, Ia.
9CSZ—F. H. Schubert, 4011 Magnolia St., St. Louis, Mo.
9CT—C. P. Meek, 4536 Woodlawn Ave. Chicago, Ill.
9CTA—J. J. Graham, 703 W. Court Ave., Winterset, Ia.
9CTB—F. N. Newton, 303 Martin St., Muncie, Ind.
9CTC—A. H. Eggleston, 1021 E. Phillips, Springfield, Ill.
9CTD—A. & H. E. Pohl, 310 Linn St., Boone Ia.
9CTE—E. T. P. Niespodziany, 2118 W. Kenwood St., South Bend, Ind.
9CTF—R. F. Allen, 309 Indiana Ave., Mendota, Ill.
9CTG—E. I. Nowak, 1010 S. 18th St., St. Joseph, Mo.
9CTH—Unassigned
9CTI—The Lake View Radio Shop, 1604 Belmont, Chicago.
9CTJ—Unassigned
9CTK—C. Savage, 2103 "G" St., Granite, Ill.
9CTL—E. Hermann, 3870 Delmar Blvd., St. Louis, Mo.
9CTM—Unassigned
9CTN—H. M. Park, 1357—13th St., N., Fargo, N. D.
9CTO—S. H. Frase, 2641 Hennepin, Minneapolis, Minn.
9CTP—H. C. Barrett, 702 Anthony Ave., Anthony, Kans.
9CTQ—Unassigned
9CTR—F. Feuerborn, 4270 Clarence Ave., St. Louis, Mo.
9CTS—F. C. Peacock, 915 Howard St., Green Bay, Wis.
9CTT—Oberg & Hayward, 6639 Normal Blvd., Chicago.
9CTU—E. A. Willis, 250 Rhodes Ave., Lexington, Ky.
9CTV—M. H. Ervin, 509 Central St., Peoria, Ill.
9CTW—Unassigned
9CTX—E. E. Rumbaugh, 920 Chandler, Danville, Ill.
9CTY—Unassigned
9CTZ—Unassigned.
9CU—Appleton High School, Appleton, Wis.
9CUA—J. C. Livingston, 402 W. Lynn St., Springfield, Mo.
9CUB—Unassigned
9CUC—G. E. Johnson, 2419 South St., Lincoln, Neb.
9CUD—F. W. DeZonia, 1835 Spruce, Murphysboro, Ill.
9CUE—R. F. Gephart, R. R. No. 1, Edinburg, Ind.
9CUF—F. E. Norwine, Jr., 7387 Maple, Maplewood, Mo.
9CUG—M. Wellhoelter, 4250 Athlone Ave., St. Louis, Mo.
9CUH—G. P. Hizenbaugh, W. Church St., Dallas, Ia.
9CUI—G. H. Libbing, 2223 California, Ft. Wayne, Ind.
9CUJ—H. S. Wilhelm, 1119 Illinois Ave., E. St. Louis, Ill.
9CUK—Unassigned
9CUL—C. H. Smith, 1713 S. 4th St., Madison, Ill.
9CUM—S. F. Bassett, 2 Reverly Pl., St. Louis, Mo.
9CUN—M. Ebinger, 4931 Gresham St., St. Louis, Mo.
9CUO—J. D. Holmes, Lena, Ill.
9CUP—W. T. Hansen, Rancroft, Neb.
9CUQ—J. R. Pollard, 2951 E. 11th Ave., Denver, Colo.
9CUR—Unassigned
9CUS—Unassigned
9CUT—Unassigned
9CUU—Unassigned
9CUV—C. H. Humes, 1408 Cuyler Ave., Chicago, Ill.
9CUW—V. Spear, Melcher, Ia.
9CUX—Unassigned
9CUY—P. E. Huston, 3946 Guilford Ave., Indianapolis.
9CUZ—H. L. Secrest.
9CV—Unassigned
9CVA—B. L. Thorp, 2nd & Edith Sts., Murphysboro, Ill.
9CVB—Unassigned
9CVC—H. Wall, 1440 Cook St., Denver, Colo.
9CVD—J. J. Brmken, 1110—32d St., Omaha, Neb.
9CVE—D. M. Ashby, 415 N. Church St., Gibson City, Ill.
9CVF—Unassigned.
9CVG—F. C. Heinze, Wilson, Kans.
9CVH—W. E. Ranney, 1646 Beachwood, Louisville, Ky.
9CVI—E. T. Howell, 641 Van Buren St., Milwaukee, Wis.
9CVJ—Unassigned
9CVK—E. J. DeCosta, 6738 Crandon Ave., Chicago, Ill.
9CVL—Unassigned
9CVM—W. R. Coyne, 131 Sheridan, N., Minneapolis.
9CVN—J. F. Palmquist, 2908 S. 42nd Ave., Minneapolis.
9CVO—H. W. Siebens, 5772 DeGivervill St., St. Louis.
9CVP—J. P. Burke, 3011 Union Ave., St. Louis, Mo.
9CVQ—N. Bader, 4433 Clarence Ave., St. Louis, Mo.
9CVR—A. B. Marshall, 950 S. 5th St., Louisville, Ky.
9CVS—F. Mumm, 7219 Jackson Blvd., Forest Park, Ill.
9CVT—B. W. Alden, 723 N. 9th St., Kansas City, Kans.
9CVU—N. W. Knoernschild, 644—28th St., Milwaukee.
9CVV—R. D. Leffholm, 2616—4th Ave., S., Minneapolis.
9CVW—C. E. Rich, 3116 Western Ave., Peoria, Ill.
9CVX—Unassigned
9CVY—E. D. Lindsay, 304 E. 10th St., Kansas City, Mo.
9CVZ—Unassigned
9CW—A. J. Willing, 325 Monroe Ave., River Forest, Ill.
9CWA—Unassigned
9CWB—Unassigned
9CWC—Unassigned
9CWD—Unassigned
9CWE—L. Conner, Broadway, Greenwood, Ind.
9CWF—J. N. Burnside, 112 Boone St., Boone, Ia.
9CWG—T. J. Clinton, 1206 S. 15th St., Springfield, Ill.
9CWH—N. J. Atwell, Dexter, Minn.
9CWI—E. Stone, 90 Pewabic St., Houghton, Mich.
9CWJ—T. R. Becker, 1176 Gaylord St., Denver, Colo.
9CWK—V. E. Olson, 847 E. 57th St., Chicago, Ill.
9CWL—H. L. Gorham, Homer Twp., R.F.D., Lockport, Ill.
9CWM—H. T. Hintgen, 224 Dakota, Wahpeton, N. D.
9CWN—Unassigned
9CWO—C. W. Otis, 17 E. Washington, Greencastle, Ind.
9CWP—T. E. Lenigan, 1247—6th St., Beloit, Wis.
9CWQ—D. C. Maloney, 1824 Pine St., Murphysboro, Ill.
9CWR—E. L. Benton, 117 N. 6th St., LaCrosse, Wis.
9CWS—R. E. Edgar, 3821 S. 4th Ave., Minneapolis, Minn.
9CWT—I. H. Smith, 936 E. Maple, Jeffersonville, Ind.
9CWU—Unassigned
9CWV—V. Hicks, 901 S. Mechanic St., Marion, Ill.
9CWW—R. H. Freeman, Chi. Ranch, Briggsdale, Colo.
9CWX—J. H. Lofton, 328 N. Missouri Ave., Mexico, Mo.
9CWY—F. Bubacek, R.F.D. 1, Cedar Rapids, Ia.
9CWZ—P. Wichman, Belmont, Wis.
9CX—W. P. Willing, 610 N. Grove St., Oak Park, Ill.
9CXA—B. Herr, R.F.D. No. 3, Lehanon, Ind.
9CXB—G. H. Dyer, 1321 Concord St., Springfield, Mo.
9CXC—A. W. Brown, 315 N. Meridian St., Lebanon, Ind.
9CXD—R. Van Derwarn, 1305 Park Ave., Racine, Wis.
9CXE—Unassigned
9CXF—C. E. Spellman, 810 Ella St., Beatrice, Neb.
9CXG—Unassigned
9CXH—L. & R. Drolet, 265 Main St., Bourbonaise, Ill.
9CXI—A. G. Schwerling, 733 Linden Ave., Newport, Ky.
9CXJ—Unassigned
9CXK—Hardsoog Mfg. Co., 112 Main St., Ottumwa, Ill.
9CXL—T. E. Finnell, Col. of St. Theresa, Winona, Minn.
9CXM—C. Roney, 110 N. Ball St., Webb City, Mo.
9CXN—Unassigned
9CXO—T. H. Paisley, 3706 Washington, Kansas City, Mo.
9CXP—E. S. Strout, Jr., 2838 James, S., Minneapolis.
9CXQ—Unassigned
9CXR—E. C. Madson, Wagner Bldg., Walnut St., Yankton, S. D.
9CXS—C. Wagner, Main St., West McHenry, Ill.
9CXT—R. M. Purinton, 151—9th St., Lincoln, Ill.
9CXU—R. E. Gorzney, 512 Morris St., W., Morrison, Ill.
9CXV—W. W. Eymer, 811 Douglas, Yankton, S. D.
NINTH DISTRICT—
9CXV—W. W. Eymer, 811 Douglas Ave., Yankton, S. D.
9CXW—D. E. Sparks, 3638 Rokeby St., Chicago, Ill.
9CXX—W. L. Perdue, 104 Brown St., Hopkinsville, Ky.
9CXY—Unassigned
9CXZ—H. Hushower, 1021—6th St., South Bend, Ind.
9CY—J. L. Rockett, Govern't & Thornton, Wauwatosa, Wis.
9CYA—Clark Radio Shop, 128—38 S. 2d St., DeKalb, Ill.
9CYB—R. L. Herchert, 1619 Union Ave., St. Louis, Mo.
9CYC—J. W. Pattie, 505 N. 3d St., Clear Lake, Ia.
9CYD—L. J. Smach, 2530 S. Ridgeland Ave., Berwyn, Ill.
9CYE—S. W. Daniel, 3812 Garfield Av., Minneapolis, Minn.
9CYF—W. W. Crittenton, 1919 Lunt Ave., Chicago, Ill.
9CYG—K. E. Pepper, St. Croix Falls, Wis.
9CYH—M. W. Rife, Meriden, Ill.
9CYI—C. W. Lamar, 805 S. Marion St., Carbondale, Ill.
9CYJ—N. L. Wise, 2805 Northwestern Av., Indianapolis, Ind.
9CYK—R. A. Cline, 216 W. 2d St., Maryville, Mo.
9CYL—C. R. Griesbacher, 748 Hicks St., West Allis, Wis.
9CYM—W. T. Miller, 1542—22d St., Des Moines, Ia.
9CYN—Unassigned
9CYO—F. W. O'Harron, 934 N. 5th St., Terre Haute, Ind.
9CYP—Unassigned
9CYQ—D. J. Angus, 310 Illinois St., Indianapolis, Ind.
9CYR—F. H. Eddy, Main St., Slayton, Minn.
9CYS—F. Little, Auburn, Ill.
9CYT—G. S. Dale, 49—3d St. N.W., Linton, Ind.
9CYU—Unassigned
9CYV—I. R. Robertson, 616 W. 8th St., Coffeyville, Kans.
9CYW—W. McGuire & F. D. Rowe, 313 W. 3d St., Cambridge City, Ind.
9CYX—Unassigned
9CYY—R. G. Bentzinger, 1605 Arlington Av., St. Louis, Mo.
9CYZ—Unassigned
9CZ—I. Johnson, 2305 N. Harding Ave., Chicago, Ill.
9CZA—A. N. Gunderson, 4833 Newport Ave., Chicago, Ill.
9CZB—C. A. Wolfe, 159 N. 10th St., Noblesville, Ind.
9CZC—R. McElwain, Blencoe, Ia.
9CZD—Unassigned
9CZE—J. N. Dohr, 415 State St., Appleton, Wis.
9CZF—W. D. Bottenhorn, 1130 Nelson St., Ft. Wayne, Ind.
9CZG—A. L. Wolfe, 365 S. Pearl St., Denver, Colo.
9CZH—Unassigned
9CZI—G. Keller, Sikeston, Mo.
9CZJ—Unassigned
9CZK—J. D. Willoughby, 757 Cook St., Denver, Colo.
9CZL—R. B. Horrall, 225 N. Elliott St., Olney, Ill.
9CZM—C. W. Lewis, Jr., 323 Clara Ave., St. Louis, Mo.
9CZN—J. E. Housekeeper, 910 E. Fox St., South Bend, Ind.
9CZO—Bertil A. Beck, Buena Vista, Ia.
9CZP—Radio Panel Shop, 312 W. 15th, Junc. City, Kans.
9CZQ—Unassigned
9CZR—J. F. Perfetti, 613 Adeline St., So. Hibbing, Minn.
9CZS—Indiana Radio Eng. Co., 370 W. 30th, Indianap., Ind.
9CZT—C. N. Cutler, 311 W. Johnson St., Sullivan, Ind.
9CZU—T. Johnson, R.F.D. 5, Sheridan, Ind.
9CZV—I. F. Oberg, 7350 Union Ave., Chicago, Ill.
9CZW—H. Besler, Jr., 620 Moro St., Manhattan, Kans.
9CZX—R. F. Graham, 5343 Theodosia Ave., St. Louis, Mo.
9CZY—W. P. Frazier, 702 Lyon Ave., Carthage, Ill.
9CZZ—A. M. Blackburn, 672 Van Buren, Milwaukee, Wis.
9DA—H. Gisseler, 2702 Montrose Ave., Chicago, Ill.
9DAA—E. Williamson, 830 Cass St., Chicago, Ill.
9DAB—F. Lenfestey, 641 Judson St., Evanston, Ill.
9DAC—Unassigned
9DAD—Unassigned
9DAE—J. Stone, R.F.D. No. 1, Warrensburg, Mo.
9DAF—G. N. Baldwin, 393 State St., Appleton, Wis.
9DAG—S. R. Hamilton, 1044 Hudson Ave., St. Paul, Minn.
9DAH—Unassigned
9DAI—C. Barger, 1340—45th St., Des Moines, Ia.
9DAJ—Unassigned
9DAK—S. B. Ross, 1937 N. Lawndale Ave., Chicago, Ill.
9DAL—S. Lyon, 708 N. F St., Wellington, Kans.
9DAN—G. L. Tullis, 643 N. "C" St., Oskaloosa, Ia.
9DAO—C. A. Moe, 4137 Elliott Ave., Minneapolis, Minn.
9DAP—F. T. Brewer, 507 Bigelow St., Peoria, Ill.
9DAQ—C. C. Clemans, R.F.D. 7, Box 19, Oshkosh, Wis.
9DAR—G. J. Hunt, 2016 Ave. "B," Council Bluffs, Ia.
9DAS—L. C. Turner, S. 4th St., Osage, Ia.
9DAT—F. W. Wodrich, Jr., 1829 Foster Ave., Chicago, Ill.
9DAU—Unassigned
9DAV—Unassigned
9DAW—C. M. Braum, 3832 S. Elliott, Minneapolis, Minn.
9DAX—F. O. Reine, Brooten, Minn.
9DAY—J. W. Gilroy, 219 W. Locust St., Canton, Ill.
9DAZ—R. J. Garrett, 309 W. Atchinson, Jefferson Cy., Mo.
9DB—J. T. Gregerson, Jr., 3717 Burnham, Milwaukee, Wis.
9DBA—K. F. Davis, 1321 E. 7th Ave., Winfield, Kans.
9DBB—E. J. Stringos, 631 E. 63d St., Chicago, Ill.
9DBC—W. Macfadden, 423—8th St. S., Fargo, N. D.
9DBD—F. H. Avers, 114—6 Cook St., Portage, Wis.
9DBE—E. E. Price, 3624 Harrison St., Kansas City, Mo.
9DBF—E. H. Conklin, 804 Ridge Terrace, Evanston, Ill.
9DBG—L. A. Clousing, 3441 Oakland, Minneapolis, Minn.
9DBH—E. A. Ricker, 373 S. Baeke St., Kansas City, Kans.
9DBI—R. Stoltze, Jr., 1228 Diversey Blvd., Chicago, Ill.
9DBJ—W. Leichner, 4120 S. Wayne Ave., Ft. Wayne, Ind.
9DBK—L. F. Albrecht, 696—18th St., Des Moines, Ia.
9DBL—G. W. Birdsall, 121 Washington St., Hampton, Ia.
9DBM—S. D. Fisher, 1508 Flett Ave., Racine, Wis.
9DBN—M. E. Klimmel, 105 S. Onstott St., DuQuoin, Ill.
9DBO—Unassigned
9DBP—C. J. Garard, 1112 Main St., Carthage, Ill.
9DBQ—A. J. Leckenly, Steamboat Springs, Colo.
9DBR—F. Buzzell, 614—6th Ave. S., Jamestown, N. D.
9DBS—B. J. Barnes, 289—1st St. N.E., Linton, Ind.
9DRT—D. Freeman, Ogden, Ill.
9DBU—E. E. Lamprecht, Eden, Ill.
9DBV—H. Martin, 1118 Williamson St., Champaign, Ill.
9DBW—M. J. Robbers, 2418 B St., Granite City, Ill.
9DBX—E. Rockwood, 1013 Bartlett Ave., Milwaukee, Wis.
9DBY—N. B. Thayer, 1310 Clermont St., Antigo, Wis.
9DBZ—Unassigned
9DC—W. L. Otto, Cambridge, Ill.
9DCA—E. H. Fahrlander, Brule, Neb.
9DCB—G. W. Masing, 1721 S. Mulberry St., Muncie, Ind.
9DCC—E. Perry, 205 Adams St., Eveleth, Minn.
9DCD—B. J. Anderson, R.R. 3, Latonia Sta., Covington, Ky.
9DCE—M. B. Graham, 423 Oakwood St., Angola, Ind.
9DCF—F. W. Allen, 113 Marshall St., Boone, Ia.
9DCG—Unassigned
9DCH—C. E. Erickson, 700 Hill St., Waseca, Minn.
9DCI—W. H. Winnings, Jr., 760 N. Pine St., Decatur, Ill.
9DCJ—G. A. Heintz, 2015 Clinton Ave., Minneapolis, Minn.
9DCK—A. T. Mitchell, L. B. 608, Rockford, Ia.
9DCL—Unassigned
9DCM—L. G. Waterbury, 944 S. Division St., Polo, Ill.
9DCN—W. F. Devine, 1218 Montzall Ave., Kansas City, Mo.
9DCO—A. D. Fowler, 234 S. 26th St., Lincoln, Neb.
9DCP—H. M. DeGoller, London, Wis.
9DCQ—H. G. Hummel, Gladbrook, Ia.
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9DCU—H. Myers, 4746 N. 40th Ave., Omaha, Neb.
9DCV—G. J. Harder, 124 W. 3d St., Beaver Dam, Wis.
9DCW—N. J. Johnson, 3106 Walter St., Maplewood, Mo.
9DCX—N. B. Sandman, 819 Burnett St., Louisville, Ky.
9DCY—W. J. Westhover, 3515 Raleigh St., Denver, Colo.
9DCZ—S. I. Munson, 224 Osage St., Leavenworth, Kan.
9DD—H. G. Lindwall, 1020 Oak St., Winnetka, Ill.
9DDA—L. G. Hagerty, R. F. D. 10, Box 190, Muncie, Ind.
9DDB—E. W. Bloomer, R. F. D. 2, Sherburn, Minn.
9DDC—W. Hylton, 63 W. Main St., Morresville, Ind.
9DDD—Unassigned
9DDE—J. E. Wilcox, 3034 Leland Ave., Chicago, Ill.
9DDF—R. S. Keys, 1330 Marion St., Denver, Colo.
9DDG—P. C. Silin, 312 Pine St., Eureka, Kan.
9DDH—M. F. Chaplm, R. F. D. 3, Brooklyn, Wis.
9DDI—R. G. Miller, 717 7th Ave., Antigo, Wis.
9DDJ—J. M. Cook, Langford, S. D.
9DDK—P. Smith, 3604 E. Elliott, Minneapolis, Minn.
9DDL—M. Bowelle, Box 647, Pierre, S. D.
9DDM—M. Fritz, 108 E. Pearl St., Jerseyville, Ill.
9DDN—Mrs. R. E. Zimmerman, 404 3rd St., Vinton, Ia.
9DDO—C. W. Fairbanks, 1345 S. 5th Ave., Fargo, N. D.
9DDP—C. A. Jacobson, Main St., Kenneth, Minn.
9DDQ—J. Hamilton, 973 Strong St., Kenosha, Wis.
9DDR—C. T. Sunnergren, 3729 Shoshone St., Denver, Colo.
9DDS—H. Moe, 1555 17th St., Milwaukee, Wis.
9DDT—N. Berge, Deerfield, Wis.
9DDU—M. L. Tingley, 531 Ried St., Connersville, Ind.
9DDV—C. E. Ashabraner, 1014 Clark, New Albany, Ind.
9DDW—D. E. Reed, West and Pine, Riverside, Ill.
9DDX—K. B. Osborne, 213 S. Euclid, Oak Park, Ill.
9DDY—F. L. Duffy, Cabery, Ill.
9DDZ—J. H. Grady, Rolla, Mo.
9DE—Winfield High School, Winfield, Kan.
9DEA—E. C. Lix, 19 Hereford St., Ferguson, Mo.
9DEB—C. Casey, 1408 E. Main St., Belleville, Ill.
9DEC—L. G. Kaiser, Mellette, S. D.
9DED—A. C. Anderson, 3518 22nd, Minneapolis, Minn.
9DEE—C. Melloh, 116 Gray St., Anoka, Minn.
9DEF—N. Olmstead, 304 E. 6th St., Concordia, Kan.
9DEG—B. J. Christensen, 4224 N. Kostner, Chicago, Ill.
9DEH—A. J. Tingley, 1338 Clark St., Des Moines, Ia.
9DEI—L. S. Larkin, 2629 E. 15th St., Kansas City, Mo.
9DEJ—Unassigned
9DEK—W. N. Short, 301 Franklin St., North Judson, Ind.
9DEL—G. C. Bowen, 538 Greenwood, Fond du Lac, Wis.
9DEM—L. A. Lindeberg, 1917 N. La Crosse, Chicago, Ill.
9DEN—Unassigned
9DEO—T. Gross, 4523 N. Campbell, Chicago, Ill.
9DEP—J. Barnes, 5627 Huntington, Duluth, Minn.
9DEQ—W. M. Neumann, Washington St., Osseo, Minn.
9DER—E. Erlandson, R. R. 2, Box 13, Erhard, Minn.
9DES—W. Moore, 108 E. 3rd St., Caney, Kan.
9DET—E. A. Bergner, 2025 Howe St., Chicago, Ill.
9DEU—Unassigned
9DEV—J. P. Juenemann, 862 Tuscarora, St. Paul, Minn.
9DEW—H. E. Jones, Clarkson, Neb.
9DEX—L. A. Ochs, 451 W. 4th St., Hoisingtown, Kan.
9DEY—E. B. Abbett, Brown and Montgomery, Vernon, Ind.
9DEZ—R. G. Brickensderfer, 548 Franklin, Denver, Colo.
9DF—E. Fruth, 6145 S. Paulina St., Chicago, Ill.
9DFA—O. E. Buchanan, 318 W. Gillette St., Virqua, Wis.
9DFB—Unassigned
9DFC—H. L. Atlas, 110 Park Pl., Lincoln, Ill.
9DFD—Taber Electric Co., Red Wing, Minn.
9DFE—R. Burk, R. R. 1, Box 3, Ogden, Ill.
9DFF—W. H. Ramsten, 821 44th St., Rock Island, Ill.
9DEG—Unassigned
9DFH—E. F. Hushaw, 400 W. Santa Fe St., Fowler, Colo.
9DFI—R. D. Evans, 447 W. 60th St., Chicago, Ill.
9DFJ—H. Roll, 1030 Pattie St., Wichita, Kan.
9DFK—Unassigned
9DFL—Unassigned
9DFM—D. A. Detert, 1112 5th St., Duluth, Minn.
9DFN—M. Clough, 122 N. 21st Ave., E., Duluth, Minn.
9DFO—W. H. Sisson, 1604 Sisson St., Lockport, Ill.
9DFP—O. Fiehweg, 1606 Kearney Ave., Racine, Wis.
9DFQ—F. W. Schramm, 5025 Geraldine, St. Louis, Mo.
9DFR—W. W. Harper, Mobile St., Ottumwa, Ia.
9DFS—L. E. Asmus, 840 7th St., Kiel, Wis.
9DFT—H. J. Derrer, 10 9th St., Mason City, Ia.
9DFU—P. and R. Gordon, 612 S. Cedar Sturgeon Bay, Wis.
9DFV—W. D. Birkenbead, 410 Addison, Elmhurst Ill.
9DFW—R. F. Walin, 3625 S. Elliott, Minneapolis, Minn.
9DFX—R. Conibear, R. F. D. 2, Lee Center, Ill.
9DFY—J. R. Perkins, 2447 Tremont Pl., Denver, Colo.
9DFZ—A. W. Sprague, 861 Palace St., St. Paul, Minn.
9DG—C. B. Harrison, 502 S. Jackson, Belleville, Ill.
9DGA—E. B. Hjerpe, 585 Lawrence St., Galesburg, Ill.
9DGB—O. P. Halvorson and H. Mickelson, Ruxton, N. D.
9DGC—W. J. Kennedy, 428 7th Ave., Milwaukee, Wis.
9DGD—W. E. Long, 101-103 E. 3rd, St., Sterling, Ill.
9DGE—H. Olson, 4217 S. Sheridan, Minneapolis, Minn.
9DGF—West Division High School, Milwaukee, Wis.
9DGG—H. E. Sturm, 327 McArthur St., Macomb, Ill.
9DGH—H. C. Lojewski, 2517 Charleston St., Chicago, Ill.
9DGI—W. M. Sharpless, 4512 Harriet, Minneapolis, Minn.
9DGJ—W. Schimmelpfinnig, 2307 16th St., Racine, Wis.
9DGK—T. D. Stewart, 2520 Jackson Ave., Kansas City, Mo.
9DGL—H. W. Swackhammer, 709 Morgan St., Joliet, Ill.
9DGM—I. H. Anderson, 811 14th Ave., Minneapolis, Minn.
9DGN—N. Lupu, 2641 Hennepin, Minneapolis, Minn.
9DGO—H. A. Stroud, 208 S. Main St., Sigourney, Ia.
9DGP—A. C. McDermed, 126 E. 5th St., Hutchinson, Kan.
9DGQ—Unassigned
9DGR—Unassigned
9DGS—E. L. McCartney, 317 E. 7th, University Place, Neb.
9DGT—B. B. Foster, Renville, Minn.
9DGU—L. W. Freecuf, R. F. D. 3, Wilbur, Mich.
9DGV—F. J. Faltico, 1078 SE. 21st, Minneapolis, Minn.
9DGW—M. McCarthy, 701 Eastgate, St. Louis, Mo.
9DGX—R. Huckstep, 216 N. West St., Lebanon, Ind.
9DGY—Unassigned
9DGZ—M. L. Levy, 683 W. Central Ave., St. Paul, Minn.
9DH—Unassigned
9DHA—Unassigned
9DHB—C. W. Pendarvis, Elk City, Kan.
9DHC—L. Bruhn, 518 S. Benson St., Pipestone, Minn.
9DHD—D. L. Vaughan, Plant St., Amboy, Ill.
9DHE—I. M. Slater, 1501 W. Wabash, Crawsfordsville, Ind.
9DHF—C. E. Bellinger, 227 W. Main St., Galesburg, Ill.
9DHG—M. J. Bishop, 133 Marritt St., Oshkosh, Wis.
9DHH—A. Weld, Cleveland, N. D.
9DHI—P. Laskowitz, 611 Marion St., Denver, Colo.
9DHJ—F. F. Hall, 702 Grant St., Crown Point, Ind.
9DHK—W. E. Voltz, 1801 W. 10th, Michigan City, Ind.
9DHL—H. L. Beeson, 6129 Hermitage, Chicago, Ill.
9DHM—F. F. Radwanski, 813 Muskegon, Milwaukee, Wis.
9DHN—C. M. Morrison, Gladbrook, Ia.
9DHO—H. W. Loney, 1001 Beardsley Ave., Elkhart, Ind.
9DHP—M. Selender, 1594 Laurel Ave., St. Paul, Minn.
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9DHS—M. E. Haseltine, 225 7th St., Minneapolis, Minn.
9DHT—J. A. Kinsella, 1015 N. Wells Chicago, Ill.
9DHU—J. Stebley, 926 S. Victoria St., Waukegan, Ill.
9DHV—C. M. Morgan, 1010 A St. NE., Linton, Ind.
9DHW—P. Watson, 1220 Loomis St., Winfield, Kan.
9DHX—O. C. Rhoades, Delta, Ia.
9DHY—Unassigned
9DHZ—F. Sadorus, 408 E. Oregon St., Urbana, Ill.
9DI—H. J. Elle, 526 E. 63rd St., Chicago, Ill.
9DIA—R. W. Osborne, 119 Martin St., Covington, Ky.
9DIB—Unassigned
9DIC—E. C. Miller, R. F. D. 3, Box 35, Nappanee, Ind.
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9DIE—I. A. Loh 1004 E. Indiana St., Evansville, Ind.
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9DIJ—R. W. Hoskins, 624 W. Catlin St., Pipestone, Minn.
9DIK—A. H. Dangerfield, Y. M. C. A., Joplin, Mo.
9DIL—H. Burnett St., Elmwood St., Oak Park, Ill.
9DIM—W. R. Clingenpeel, 216 W. Elm, Hartford City, Ind.
9DIN—Unassigned
9DIO—O. C. Kuehnel, 408 19th St., Milwaukee, Wis.
9DIP—F. C. Crowell, Jr., 667 17th St., Des Moines, Ia.
9DIQ—J. Stapp, 2323 12th St., Rock Island, Ill.
9DIR—H. O. Carlson, 112 S. Bryant, Minneapolis, Minn.
9DIS—R. Bartl, 1515 State St., La Crosse, Wis.
9DIT—F. N. Turney, McCune, Kan.
9DIU—R. R. Miner, 26 S. Lincoln, Fond du Lac, Wis.
9DIV—P. F. W. Bennett, 1015 Ramsey St., St. Paul, Minn.
9DIW—J. H. Phillips, 6820 Laflin St., Chicago, Ill.
9DIX—F. M. Malone, 819 N. Rollins St., Macon, Mo.
9DIY—Unassigned
9DIZ—J. B. Sayres, 315 Sheridan Ave., Centerville, Ia.
9DJ—G. H. Kenyon, 4555 Ellis Ave., Chicago, Ill.
9DJA—R. Valentine, Jr., 303 Jerome St., Marshalltown, Ia.
9DJB—R. W. Groendycke, 3808 Wyoming, Kansas City, Mo.
9DJC—D. Wangelin, 1309 31st St., Rock Island, Ill.
9DJD—F. M. Blansett, Cedar Gap, Mo.
9DJE—C. A. Sodergren, 1557 W. 69th St., Chicago, Ill.
9DJF—J. Schaefer, 1017 Elgiu Ave., Forest Park, Ill.
9DJG—H. H. Jansen, 2430 B St., Granite City, Ill.
9DJH—A. Thompson, 5088 Page Ave., St. Louis, Mo.
9DJI—P. A. Richardson, 5244 Lansdown, St. Louis, Mo.
9DJJ—L. B. Springer, W. Main St., Greenwood, Ind.
9DJK—R. E. Hilyard, R. F. D., Mason City, Ill.
9DJL—L. M. De Yoe 130 Andrews Pl., W. Lafayette, Ind.
9DJM—S. Brose, 01½ S. Federal Ave., Mason City, Ia.
9DJN—R. Pelle, 2704 Jefferson St., Louisville, Ky.
9DJO—W. E. Cheshire, 513 10th St., Rockford, Ill.
9DJP—R. Reed, 1237 C St., Lincoln, Neb.
9DJQ—H. R. Sisson, Maysville, Mo.
9DJR—Unassigned
9DJS—A. Hoffman, R. R. 3, Dorchester, Neb.
9DJT—F. G. Eakman, Main St., Keithsburg, Ill.
9DJU—M. W. Richardson, 2452 W. Van Ruren, Chicago, Ill.
9DJV—W. M. Bisenius, 106 Winter St., St. Paul, Minn.
9DJW—G. P. Walseth, Ortonville, Minn.
9DJX—F. W. Medhurst, 500 Maple St., Red Oak, Ia.
9DJY—Unassigned
9DJZ—R. Dreisbach, 1257 Lake Ave., Ft. Wayne, Ind.
9DK—W. H. Hobbs, 2001 Edgeland Ave., Louisville, Ky.
9DKA—C. J. Corrigan, 318 Sanders St., Indianapolis, Ind.
9DKB—L. H. Weeks, c/o Radio Equip. Corp., Minot, N. D.
9DKC—R. Kohl 3124 Edgar Ave., Maplewood, Mo.
9DKD—E. D. Miller, Darlington, Wis.
9DKE—S. H. Pringle, 811 7th St., Red Oak, Ia.
9DKF—Unassigned
9DKG—G. S. Meader, 4740 S. Fremont, Minneapolis, Minn.
9DKH—V. Swearingen, 501 N. Willis, Champaign, Ill.
9DKI—E. Hardebeck, Marissa, Ill.
9DKJ—Burlington High School, Burlington, Ia.
9DKK—C. E. Wright, 4528 Claremont Ave., Chicago, Ill.
9DKL—C. J. Kuhn, 862 Illinois Ave., Huron, S. D.
9DKM—E. F. Cejka, 370 S. 16th St. E., Cedar Rapids, Ia.
9DKN—Unassigned
9DKO—M. M. Peterson, 1524 Harrison St., Davenport, Ia.
9DKP—Unassigned
9DKQ—H. B. Manning, 614 S. Main, Sioux Falls, S. D.
9DKR—P. C. Miethke, Jr., 311 Central, Crookston, Minn.
9DKS—H. O. Brickson, 502 Oakridge Ave., Madison, Wis.
9DKT—O. H. Steelsmith, R. F. D. 2, Rippey, Ia.
9DKU—C. S. Voigt, 1217 N. 6th St., Sheboygan, Wis.
9DKV—V. R. Calvert, Box 434, W. 3rd St., Hobart, Ind.
9DKW—W. Marlin, R. R. 5, Columbus Junction, Ia.
9DKX—L. R. Jewell, Jr., 3631 Lakota, Kansas City, Mo.
9DKY—M. H. Decker, 310 N. Georgia, Mason City, Ia.
9DKZ—O. W. Nelson, 1528 E. 76th Pl., Chicago, Ill.
9DL—Unassigned
9DLA—E. A. Roche, 3027 Agnes Ave., Kansas City, Mo.
9DLB—Unassigned
9DLC—Unassigned
9DLD—B. E. Burdick, Jr., 909 Washington, Racine, Wis.
9DLE—Unassigned
9DLF—J. A. Cargrave, Box 135, Aneta, N. D.
9DLG—R. Thompson, 751 N. Division, Appleton, Wis.
9DLH—H. C. Wafler, 2454 D St., Granite City, Ill.
9DLI—N. K. Raaen Aneta, N. D.
9DLJ—F. and H. Seltzer, 3216 Douglas Blvd., Chicago, Ill.
9DLK—R. D. Clayton, 2555 S. Bryant, Minneapolis, Minn.
9DLL—T. Breede, 422 5th St., SW., Mason City, Ia.
9DLM—W. H. Hinton, 1107 Central, Kansas City, Mo.
9DLN—Unassigned
9DLO—F. W. Richards, R. F. D. 6, Streator, Ill.
9DLP—C. Sturdy, 1513 7th St., Marinette, Wis.
9DLQ—N. C. Lippincott, Milton, Wis.
9DLR—L. H. Neigen, 530 W. 5th St., Mt. Carmel, Ill.
9DLS—Unassigned
9DLT—M. B. Magers, 2720 Patee St., St. Joseph, Mo.
9DLU—R. H. Wardle, 706 3rd St., Ft. Madison, Ia.
9DLV—H. Konwinski, 1338 4th Ave., Milwaukee, Wis.
9DLW—H. Mutschlecner, 1238 Fairfield, Ft. Wayne, Ind.
9DLX—Unassigned
9DLY—H. A. Malwitz, Box 3, Brillion, Wis.
9DLZ—G. Du Rocher, 539 Poplar St., Poplar Bluffs, Mo.
9DM—Unassigned
9DMA—A. A. Smith, Washington St., Caledonia, Minn.
9DMB—Unassigned
9DMC—H. L. Otos, 1042 N. Elmer, South Bend, Ind.
9DMD—F. G. Ocain, 518 N. Ridgeland, Oakland, Ill.
9DME—W. A. Pringel, 224 N. 6th St., Clinton, Ia.
9DMF—H. L. Marx, 1541 Birchwood Ave., Chicago, Ill.
9DMG—Unassigned
9DMH—C. Tancik 609 Pearl St., Lyons, Ia.
9DMI—S. O. Myers, R. R. 3, Box 37, Nappanee, Ind.
9DMJ—D. W. Fowler, 4940 Botanical Ave., St. Louis, Mo.
9DMK—C. P. Gibson, 640 W. 5th St., New Albany, Ind.
9DML—H. H. Tucker, 5024 Irving Park Blvd., Chicago, Ill.
9DMM—G. Kostka, 2347 S. Ridgeway Ave., Chicago, Ill.
9DMN—R. Merrill, 305 W. Main St., Marshalltown, Ia.
9DMO—G. Everhart, 414 Summit St., Girard, Kans.
9DMP—Roos Radio Shop, Geneseo, Ill.
9DMQ—Unassigned
9DMR—G. C. Clark, 2935 N. Denver Pl., Denver, Colo.
9DMS—G. A. Anderson, 24 Charles St., Council Bluffs, Ia.
9DMT—M. A. Kennedy, 109 E. Walnut St., Macon, Mo.
9DMU—G. L. Anderson, 200 N. Chicago Ave., Lincoln, Ill.
9DMV—R. F. Olson, 201—8th St. S.E., Minot, N. D.
9DMW—W. K. Kennedy, Main St., Mound City, Ill.
9DMX—Unassigned
9DMY—R. Johnson, 1322 Lunt Ave., Chicago, Ill.
9DMZ—Unassigned
9DN—Unassigned
9DNA—J. F. Smocina, 4226 W. 26th St., Chicago, Ill.
9DNB—E. H. Kriz, 528 Hubbard St., Racine, Wis.
9DNC—P. Palmer, 3145 "S" St., Lincoln, Neb.
9DND—L. E. Scales, Oskaloosa, Kans.
9DNE—M. R. Ramser, 1222—19th St., Rock Island, Ill.
9DNF—G. J. Altfilisch, 503 E. Dover Ct., Davenport, Ia.
9DNG—Unassigned
9DNH—Surefire Radio Lab. 512 N. Randolph, Macomb, Ill.
9DNI—A. Swartz, 1512 W. Lake St., Chicago, Ill.
9DNJ—D. E. Maxham, 720 W. Grove St., Mishawaka, Ind.
9DNK—R. H. Ferris, Macon, Ill.
9DNL—Unassigned
9DNM—Unassigned
9DNN—G. J. Leising, 1006 Hamlet St., Newport, Ky.
9DNO—Unassigned
9DNP—Unassigned
9DNQ—H. R. Phelps, 2330 Carey Ave., Davenport, Ia.
9DNR—Unassigned
9DNS—Unassigned
9DNT—O. Larson, 7400 Coles Ave., Chicago, Ill.
9DNU—D. R. Burt, Box 155, Brooklyn, Wis.
9DNV—D. M. Pottgieser, 537 Park Ave., St. Paul, Minn.
9DNW—W. Fraley, 426 N. Cain Ave., Roodhouse, Ill.
9DNX—H. H. Bell, Casselton, Ill.
9DNY—G. C. Dyer, Box 23, Warrenton, Mo.
9DNZ—E. Fritschel, Wartburg College, Clinton, Ia.
9DO—H. Livingston, West Plains, Mo.
9DOA—L. R. Huber, Tipton, Ia.
9DOB—Unassigned
9DOC—Unassigned
9DOD—Boy Scouts of Am., Camp Checaugau, Palatine, Ill.
9DOE—A. Bergtold & L. Gomberg, 107 E. 4th St., Duluth, Minn.
9DOF—Unassigned
9DOG—H. Louden, 203 N. Randolph St., Champaign, Ill.
9DOH—Unassigned
9DOI—Unassigned
9DOJ—H. L. Pendleton, 2020 Kansas Av., Kansas City, Mo.
9DOK—B. J. Gilborne, R.F.D., Winnebago, Minn.
9DOL—R. C. Hawn, 2873 S. Holmes Ave., Minne., Minn.
9DOM—P. Konkle, 309 E. Green St., Winterset, Ia.
9DON—R. D. Saragusa, 6517 Newgard Ave., Chicago, Ill.
9DOO—R. Johns, 701 W. Broadway, Sedalia, Mo.
9DOP—E. L. Gutterson, 2181 Doswell Ave., St. Paul, Minn.
9DOQ—F. A. Johnson, Galesville, Wis.
9DOR—Unassigned
9DOS—E. M. Renfroe, 6437 Langley Ave., Chicago, Ill.
9DOT—E. Brautigam, 1507 Selby Ave., St. Paul, Minn.
9DOU—L. W. Hunt, 228½ Broadway, Fargo, N. D.
9DOV—R. E. Goodwin, Wenona, Ill.
9DOW—T. L. Morris, 555 College Ave., Valparaiso, Ind.
9DOX—R. J. Sweeney, 2418 Prairie St., Milwaukee, Wis.
9DOY—Unassigned
9DOZ—F. F. Arthur, 1906 S. Kedzie Ave., Chicago, Ill.
9DP—C. J. Sheblak, 537—36th St., Milwaukee, Wis.
9DPA—J. Liska, 1511 Harvey Ave., Oak Park, Ill.
9DPB—F. K. Johnston, 3319 Larimore Ave., Omaha, Neb.
9DPC—V. A. Wirth, 1955 S. Spaulding Ave., Chicago, Ill.
9DPD—M. H. French, R.F.D. 1, Partridge, Kans.
9DPE—L. H. Webb, 120 Concordia St., Indianapolis, Ind.
9DPF—R. B. McCartney, 501 "L" St., College View, Neb.
9DPG—E. T. Mars, 1114 Polk St., Omaha, Neb.
9DPH—F. L. Gaede, W. Pearl St., Winnamac, Ind.
9DPI—W. Carroll, Marion, Kans.
9DPJ—Unassigned
9DPK—J. C. Loebig, Wesley, Ia.
9DPL—Unassigned
9DPM—Unassigned
9DPN—C. W. Pesice, 2719 S. Sawyer Ave., Chicago, Ill.
9DPO—College of Emporia, College Campus, Emporia, Kans.
9DPP—L. C. Walizer, Box 584, Russell, Kans.
9DPQ—J. F. Corcoran, 2658 Eads Ave., St. Louis, Mo.
9DPR—L. O. Blair, 602 Winter St., Superior, Wis.
9DPS—C. C. Ennes, 4448 N. Tripp Ave., Chicago, Ill.
9DPT—C. W. Peterson, 2121 Eastwood Ave., Chicago, Ill.
9DPU—G. L. Smith, Weeping Water, Neb.
9DPV—R. W. Ide, Jr., 826 S. 4th St., Springfield, Ill.
9DPW—M. C. Patrick, 203 N. 3d Ave., Marshalltown, Ia.
9DPX—R. J. Cotton, 1795 Lincoln Ave., St. Paul, Minn.
9DPY—R. R. Ralston, 812 Pine St., Tarklo, Mo.
9DPZ—T. W. Noller, Green St., Bensenville, Ill.
9DQ—G. N. Rang, 77 Spencer St., Aurora, Ill.
9DQA—R. B. Taylor, 307 W. Armstrong Ave., Peoria, Ill.
9DQB—Unassigned
9DQC—R. G. Howell, 433 Denver St., Ft. Lupton, Colo.
9DQD—C. W. Gartlein, 619 Grand Ave., Connersville, Ind.
9DQE—R. E. McCormick, 1450 "Q" St., Lincoln, Neb.
9DQF—C. Meloun, 2742 S. Homan Ave., Chicago, Ill.
9DQG—R. G. Howell, 931 Alta St., Longmont, Colo.
9DQH—G. Smith, 523—3d Ave. S.E., Minneapolis, Minn.
9DQI—G. A. Wade, 1602 Hamilton St., Manitowoc, Wis.
9DQJ—I. N. Berens, 570—27th Ave., Milwaukee, Wis.
9DQK—H. Ferber, 5702 S. Hoyne Ave., Chicago, Ill.
9DQL—M. Hill, 1330 W. 72d Pl., Chicago, Ill.
9DQM—H. P. Sentman, 10 N. Main St., Fairmount, Minn.
9DQN—W. F. Winget, 448 Englewood Ave., Chicago, Ill.
9DQO—J. O. Ephgrave, 5424 Drexel Ave., Chicago, Ill.
9DQP—L. R. Berglund, 4117 N. Crawford Ave., Chicago, Ill.
9DQQ—A. D. Malone, 334 W. Malone Ave., Silkeston, Mo.
9DQR—W. Lindberg, 3018—14th Ave., Rockford, Ill.
9DQS—F. Anderson, 5357 Bowmanville St., Chicago, Ill.
9DQT—C. L. Caldwell, 6 Spanish St., Cape Girardeau, Mo.
9DQU—M. C. Spies, 1538 N. Edward St., Decatur, Ill.
9DQV—R. F. Fountain, 1135 Talman Ave., Chicago, Ill.
9DQW—Maplew'd High School, Radio Club, Maplew'd, Mo.
3DQX—G. Mechling, 1995 Park St., Lincoln, Neb.
9DQY—R. E. Sanner, Moweauque, Ill.
9DQZ—G. L. Kelso, Marengo, Ia.
9DR—J. J. Maus, 3623 N. 9th St., St. Louis, Mo.
9DRA—L. M. Schafbuch, Marengo, Ia.
9DRB—E. C. Hackett, Parker, S. D.
9DRC—E. A. Rassinier, 2008 Kennilworth, Louisville, Ky.
9DRD—L. P. Kearney, 2820 Flournoy St., Chicago, Ill.
9DRE—K. Dunn, 313—5th Ave. S., Jamestown, N. D.
9DRF—R. D. Weathers, 306 W. 7th Ave., McCune, Kans.
9DRG—C. Jurgensen, N. 7th St., Forest City, Ia.
9DRH—Unassigned
9DRI—Unassigned
9DRJ—E. Westerwelle, 215 LaFayette St. W., Ottawa, Ill.
9DRK—E. E. Ellison, 312—5th Ave. N., Jamestown, N. D.
9DRL—M. J. Henning, 564 Mineral St., Milwaukee, Wis.
9DRM—G. C. Udry, 122 E. 42d St., Covington, Ky.
9DRN—G. L. Lov, 5055 N. Kildare Ave., Chicago, Ill.
9DRO—R. J. & C. Kuester, 370 Naymut St., Menasha, Wis.
9DRP—C. A. Rosenbaum, 663—29th St., Milwaukee, Wis.
9DRQ—Unassigned
9DRR—R. S. Rose, 410 E. Ridge St., Marquette, Mich.
9DRS—G. O. Cole, 215 S. 5th St., Decatur, Ind.
9DRT—F. Bryant, 1302 Stevens St., Minneapolis, Minn.
9DRU—M. Johnson, 305 Guthrie St., Ottawa, Ill.
9DRV—J. Shafer, 713 S. Dakota Ave., Sioux Falls, S. D
9DRW—F. J. Whalen, 1627 S. 10th St., St. Joseph, Mo.
9DRX—J. E. Rohan, 5809 DeGiverville Ave., St. Louis, Mo.
9DRY—C. A. Dolson, 221 Johnson Ave., Trinidad, Colo.
9DRZ—I. M. Dawley, 183 Commonwealth, St. Paul, Minn.
9DS—R. E. Breunig, 2252 Roscoe St., Chicago, Ill.
9DSA—Unassigned
9DSB—B. J. Tuchloski, 711—16th St., Racine, Wis.
9DSC—R. Hall, 1802 Woodland Ave., Duluth, Minn.
9DSD—P. V. Wiley, 612 Ave. A East, Hutchinson, Kans.
9DSE—C. P. Kellogg, 528 Norton St., Kansas City, Mo.
9DSF—L. E. Nelson, 1096—22d Ave. S.E., Minneap., Minn.
9DSG—Unassigned
9DSH—E. Sullaway, 212 N. Clinton St., Collinsville, Ill.
9DSI—H. Carter, R. R. No. 2, Russiaville, Ind.
9DSJ—S. A. Clark, Bement, Ill.
9DSK—F. V. Hines, 1225 Daviess St., Owensboro, Ky.
9DSL—J. H. Best, Cincinnati, Ia.
9DSM—J. B. Platner, 110 N. 54th St., Omaha, Neb.
9DSN—Unassigned
9DSO—R. A. Barrett & R. J. Higgins, 6729 Oglesby Ave., Chicago, Ill.
9DSP—R. D. Werner, 1313 Maple Ave., Evanston, Ill.
9DSQ—P. D. Records, 616 Locust St., Glenwood, Ia.
9DSR—W. G. Pattison, 29 W. 4th St., Columbus, Ind.
9DSS—E. Scharbach, Lilian St., Hobart, Ind.
9DST—V. Wright, River St., Manston, Wis.
9DSU—E. O. Carlson, 3429 Palmer St., Chicago, Ill.
9DSV—L. Wikkerink, 1273—21st St., Milwaukee, Wis.
9DSW—G. M. Larson, 854 Park St., Fairmont, Minn.
9DSX—E. W. Rohling, Bellefiower, Ill.
9DSY—Echmical High Sch., 345 Virginia, Milwaukee, Wis
9DSZ—Unassigned
9DT—Unassigned
9DTA—C. M. Peters, Tonganoxie, Kans.
9DTB—Unassigned
9DTC—J. A. Stoos, R.F.D. No. 3, Naperville, Ill.
9DTD—Unassigned
9DTE—J. E. Finch, 1158 Ogden St., Denver, Colo.
9DTF—C. R. Preiss, 215 E. 5th St., West Liberty, Ia.
9DTG—J. A. Abbott, 818 Elem St., West Liberty, Ia.

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9DTH—R. W. Gutshall, 1638 Galena St., Aurora, Colo.
9DTI—R. C. Temple, 201 S. 11th St., Chariton, Ia.
9DTJ—H. C. Ames, Montgomery St., Francesville, Ind.
9DTK—F. W. Catel, 711 Kenwood Blvd., Milwaukee, Wis.
9DTL—O. N. Kiger, Jr., 1238 Harrison St., Hammond, Ind.
9DTM—W. L. Fick, 3391 W. Hayward Pl., Denver, Colo.
9DTN—A. V. Raught, Box 28A, Berryville Rd., Racine, Wis.
9DTO—S. D. Michael, R.R. 2, Ossian, Ind.
9DTP—L. Harlan, Hillsboro, Ia.
9DTQ—H. L. Ide, 800 S. 4th St., Springfield, Ill.
9DTR—Unassigned
9DTS—Unassigned
9DTT—P. C. Lutz, 1365 Bardstown Rd., Louisville, Ky.
9DTU—A. G. Hebb, Jr., 2535 Washington, Lincoln, Neb.
9DTV—H. S. Bodenheimer, 1133 E. 17th, Denver, Colo.
9DTW—P. E. Shaffer, 622 Marengo Av., Forest Park, Ill.
9DTX—L. M. Smith, Box 66, Salem, Wis.
9DTY—E. L. Eldredge, 2258 Logan Blvd., Chicago, Ill.
9DTZ—Unassigned
9DU—G. S. Turner, 423 W. Maple Av., Independence, Mo.
9DUA—J. W. Tucker, Peotone, Ill.
9DUB—Unassigned
9DUC—Unassigned
9DUD—P. R. Harrington, 206 Pendleton, Independence, Mo.
9DUE—Unassigned
9DUF—H. Webb, 1013 Pear St., Mt. Carmel, Ill.
9DUG—C. C. Parks, 823 Sherman St. E., Hutchinson, Kans.
9DUH—W. Woods, Tonganoxie, Kans.
9DUI—T. F. Anderson, 404 S. 8th St., Aberdeen, S. D.
9DUJ—W. Halverson, R.F.D. 7, Box 22, Deerfield, Wis.
9DUK—Unassigned
9DUL—Unassigned
9DUM—C. Christenson, 821—2d Ave. N.W., Minot, N. D.
9DUN—L. C. Baird, 919 S. Gaylord St., Denver, Colo.
9DUO—H. Coudurier, 2513 "J" St., Omaha, Neb.
9DUP—J. Atherton, R.F.D. 5, Macomb, Ill.
9DUQ—Unassigned
9DUR—Unassigned
9DUS—C. O. Lindahl, 612 Jenks St., St. Paul, Minn.
9DUT—J. W. Lichtenbarger, R.R. 1, South Bend, Ind.
9DUU—F. H. Tratt, 705 Main St., Whitewater, Wis.
9DUV—H. S. Banning, Union, Neb.
9DUW—D. T. Rue, 1217 Marshall St., Mattoon, Ill.
9DUX—P. E. Diss, 710 N. Main St., Maryville, Mo.
9DUY—A. F. Boyd, 51 Watson Ave., Wauwatosa, Wis.
9DUZ—Unassigned
9DV—H. U. Bishop, 210 E. 4th Ave., Neenah, Wis.
9DVA—Unassigned
9DVB—H. M. Holman, 1326 Morrison St., Madison, Wis.
9DVC—W. J. Bauer, 2434 N. 79th Ave., Chicago, Ill.
9DVD—G. A. Ruger, 1200 Highland Ave., Racine, Wis.
9DVE—M. Todd, 1332 Strophlet St., Ft. Wayne, Ind.
9DVF—B. T. Cox, R.F.D. No. 1, Tonganoxie, Kans.
9DVG—E. A. Meisenheimer, 534 Mineral, Milwaukee, Wis.
9DVH—Unassigned
9DVI—Unassigned
9DVJ—M. E. Ford, 6010A Suburban Ave., St. Louis, Mo.
9DVK—G. Bowman, 407 Indiana Ave., Valparaiso, Ind.
9DVL—G. R. Goetz, Box 77, Naperville, Ill.
9DVM—L. J. Havland, 330 Westminster, Lake Forest, Ill.
9DVN—R. P. Martens, 3303 S. Claremont Av., Chicago, Ill.
9DVO—B. A. Gooch, 1903 W. 23d St., Des Moines, Ia.
9DVP—H. B. Clark, 4130 Ashland Ave., St. Louis, Mo.
9DVQ—Unassigned
9DVR—Unassigned
9DVS—W. P. Munro, 408 N. 3d St., Marshalltown, Ia.
9DVT—L. Litwiller, Morton, Ill.
9DVU—W. T. Fishback, 3100 S. Douglass, Springfield, Ill.
9DVV—H. Willoughby, Chicago St., Royal Centre, Ill.
9DVW—W. Anderson, 721—6th St., Rockford, Ill.
9DVX—B. B. Greenleaf, 34 Walnut St., Savanna, Ill.
9DVY—M. Eichorst, 858 N. 15th St., Manitowoc, Wis.
9DVZ—M. G. Hickenlooper, 712 Main, Marshalltown, Ia.
9DW—R. W. Carter, 597 Ann St., Blue Island, Ill.
9DWA—C. W. Lugar, R. R. 1, Box 1, Otterbein, Ind.
9DWB—R. Prewitt, 402 Congress St., Emporia, Kan.
9DWC—Unassigned
9DWD—P. Ingmanson, R. R. 1, Box 76, Winfield, Ia.
9DWE—W. R. King, 5746-a McPherson, St. Louis, Mo.
9DWF—S. D. Park, 620 S. Douglas, Springfield, Ill.
9DWG—N. C. Norman, 40 E. Harrison, Martinsville, Ind.
9DWH—Lesmeister Elec. Shop, Harvey, N. D.
9DWI—E. Cole, Polk, Neb.
9DWJ—C. M. Aurand, Rockford, Ia.
9DWK—A. R. Ueleke, 301 S. High St., Jackson, Mo.
9DWL—Unassigned
9DWM—E. S. Welch, 518 N. Pine St., Seymour, Ind.
9DWN—J. Berg, Jr., 482 Willow Ave., Pierre, S. D.
9DWO—Unassigned
9DWP—W. W. Vincent, Jr., 712 Prairie, Kenosha, Wis.
9DWQ—J. F. Ruffner, 1312 Willow, Louisville, Ky.
9DWR—G. C. Blee, 500 Jackson St., Negaunee, Mich.
9DWS—F. R. Wiley, 805 S. 2nd St., Champaign, Ill.
9DWT—D. G. Baumann, 1612 29th St., Rock Island, Ill.
9DWU—W. C. Plunt, 855 Water St., Webster City, Ia.
9DWV—Unassigned
9DWW—W. S. Winfield, 2115 Calif. St., Ft. Wayne, Ind.
9DWX—W. F. Marquardt 2624 Potwyne Pl., Chicago, Ill.
9DWY—L. Stoops, 353 Hartman St., Nappanee, Ind.
9DWZ—Unassigned
9DX—J. F. Carpenter, 1109 17th Ave., Minneapolis, Minn.
9DXA—H. R. Hammond, 1539 E. 63rd St., Chicago, Ill.
9DXB—Unassigned
9DXC—O. Hanson, 608 S. 1st St., Eagle Grove, Ia.
9DXD—C. E. McGuigan, 517 Gertrude St., Burlington, Ia.
9DXE—K. M. White, 47 W. Main St., Mooresville, Ind.
9DXF—R. R. Hedges, 2202 Walnut St., Cairo, Ill.
9DXG—F. H. Ingalls, 756 Harvard, University City, Mo.
9DXH—N. H. and K. Miller, 303 N. Albany, Anthony, Kan.
9DXI—H. Huff, 629 Carney Bldg., Marinette, Wis.
9DXJ—P. Arvidson, 608 Lowell St., Shenandoah, Ia.
9DXK—W. G. Harlow, 1317 Darlington, Crawsfordsville, Ind.
9DXL—N. L. Jacklin, 218 S. Vermilion, Streator, Ill.
9DXM—R. H. Stewart, 3023 Blvd. Pl., Indianapolis, Ind.
9DXN—W. F. Schoening, 5010 Gravois, St. Louis, Mo.
9DXO—V. F. Munson, 312 S. Main St., Kewanee, Ill.
9DXP—R. C. Machler, 1203 Lee St., Evanston, Ill.
9DXQ—H. J. Meyer, R. R. 5, Box 25, Plymouth, Wis.
9DXR—S. Henry, Jr., 219 High St., Vermilion, S. D.
9DXS—V. W. Kalvin, 1419 Michigan, Milwaukee, Wis.
9DXT—Unassigned
9DXU—E. D. Blackmann, 114 S. Gadwell, Eagle Grove, Ia.
9DXV—J. G. Bain, 202 Coleman St., Clayton, Mo.
9DXW—Unassigned
9DXX—Unassigned
9DXY—P. H. Quimby, Box 134A, R. R. 6, Omaha, Neb.
9DXZ—A. Q. Lewis, 901 E. 11th St., Bloomington, Ind.
9DY—B. W. Nestlerode, Jackson and 17th, Sioux City, Ia.
9DYA—F. W. Mohr, Riceville, Ia.
9DYB—C. M. Smith, 1018 W. 5th St., Dubuque, Ia.
9DYC—Unassigned
9DYD—R. D. Barnard, 1517 Farwell, Milwaukee, Wis.
9DYE—E. M. Shideler, Manson, Ia.
9DYF—C. J. Beise, 1302 Grand View, Boulder, Colo.
9DYG—V. F. Shumaker, 718 Coffman St., Longmont, Colo.
9DYH—C. H. Hurst, Long Point, Ill.
9DYI—J. F. Hanes, 858 19th St., Milwaukee, Wis.
9DYJ—E. M. Campbell, Steamb at Springs, Colo.
9DYK—Unassigned
9DYL—W. Benson, 2937 Jersey Ridge, Davenport, Ia.
9DYM—C. L. Halden, Stromburg, Neb.
9DYN—D. and M. Koerner, Kempton, Ill.
9DYO—W. A. Hale, 300 Bigelow St., Peoria, Ill.
9DYP—H. Johnston, 626 Green Bay St., Appleton, Wis.
9DYQ—Unassigned
9DYR—C. C. Standard Radio Co., Luverne, Minn.
9DYS—F. J. Wells, Arthur, N. D.
9DYT—W. W. Quinley, Ladoga, Ind.
9DYU—C. J. Butler, Crothersville, Ind.
9DYV—J. C. Corn, Palmer, Ill.
9DYW—D. and B. Pickrell, 303 Cherry St., Mt. Carmel, Ill.
9DYX—F. W. Castanie, 1377-a Hodiamont, St. Louis, Mo.
9DYY—J. F. Melody, 208 Broadway, Peoria, Ill.
9DYZ—P. V. Brobst, 048 Marshall St., St. Paul, Minn.
9DZ—Unassigned
9DZA—R. Virt, Manson, Ia.
9DZB—S. L. Du Buclet, 3722 Concord, Chicago, Ill.
9DZC—H. A. Holland, 4451 Magnolia St., Chicago, Ill.
9DZD—W. Friedrich, 100 39th St., Milwaukee, Wis.
9DZE—Unassigned
9DZF—A. O'Neil, 899 Fuller St., St. Paul, Minn.
9DZG—E. R. Linder, 713 St. Louis, E. St. Louis, Ill.
9DZH—F. W. Crannall, Langford, S. D.
9DZI—L. J. Gates, 507 Winona St., Winona, Minn.
9DZJ—H. Dickson, 6200 Kimbark Ave., Chicago, Ill.
9DZK—C. E. Armstrong, 535 College St., Peoria, Ill.
9DZL—G. Levinson, 559 Scott St., Milwaukee, Wis.
9DZM—C. F. Gatons, 118 Caton Ave., Joliet, Ill.
9DZN—L. Schechter, 1935 Semple Ave., St. Louis, Mo.
9DZO—J. L. McNay, 6 S. High St., Butler, Mo.
9DZP—L. Stoltz, 336 W. Main St., Belleville, Ill.
9DZQ—Unassigned
9DZR—A. L. Strigel, 638 Van Buren St., Joliet, Ill.
9DZS—C. Moore, 1618 Fairground Ave., Vincennes, Ind.
9DZT—J. M. Maurer, Jr., 405 W. Cleveland, St., Spring Valley, Ill.
9DZU—J. Togois, 524 W. Cleveland St., Spring Valley, Ill.
9DZV—R. D. Lightly, R. F. D. 7, Madison, Wis.
9DZW—O. M. Kimball, 902 7th Ave., Sterling, Ill.
9DZX—I. H. Basson, 807 Walnut St., Connersville, Ind.
9DZY—P. L. Chamberlain, 7435 Hazel Ave., Maplewood, Mo.
9DZZ—R. Riedelbauch, 1306 Locust St., Milwaukee, Wis.
9EA—W. D. Wagner, 123 W. Fourth St., Duluth, Minn.
9EAA—H. Needham, R. F. D. 6, Virginia, Ill.
9EAB—P. Jensen, 4931 Hamlin Ave., Chicago, Ill.
9EAC—J. Clark, 326 N. Main St., Carrollton, Ill.
9EAD—D. Andrews, R. R. 1, Box 267L, Indianapolis, Ind.
9EAE—R. S. McEwan, 619 Tillitson St., Trinidad, Colo.
9EAF—C. L. Geisler, 5055 Geraldine St., St. Louis, Mo.
9EAG—L. Jacobsen, c/o Western Mil. Academy, Alton, Ill.
9EAH—R. C. Wells, 424 E. 63d St., Chicago, Ill.
9EAI—C. C. Grey, 610 S. 10th St. E., Cedar Rapids, Ia.
9EAJ—Unassigned
9EAK—E. M. Helmdoerfer, 147 N. Second St., Seward, Neb.
9EAL—V. H. Wallace, 1017 Lee St., Ottumwa, Ia.
9EAM—E. M. Nissen, 2544 Washington St., Denver, Colo.
9EAN—L. Wilson, 2144 Washington St., Granite City, Ill.
9EAO—J. N. Saylor, Hopkins, Mo.
9EAP—M. M. Wold, 918 E. 36th St., Minneapolis, Minn.
9EAQ—Joe-John's Radio Co., 276 S. Main, Huntsville, Mo.
9EAR—R. Schweiger, 709 S. Spring St., Beaver Dam, Wis.
9EAS—E. I. Anderson, 5157 Pensacola Ave., Chicago, Ill.
9EAT—C. E. Doerr, 5152 N. Market St., St. Louis, Mo.
9EAU—Independent School Dist. No. 40, Third & Hemlock Sts., Chisholm, Minn.
9EAV—O. A. Buder, 611 Commercial Ave., Cairo, Ill.
9EAW—Unassigned
9EAX—T. M. Breen, 3649 Stevens Ave., Minneapolis, Minn.
9EAY—H. J. Schenk, 417 Seveuth St., Calumet, Mich.
9EAZ—Unassigned
9EB—F. A. Schultz, Clarkson, Neb.
9EBA—W. E. Kidd, 487 Hawthorne St., Glen Ellyn, Ill.
9EBB—R. Brunke, 1017 Glen Rock Ave., Waukegan, Ill.
9EBG—M. Locker, 1114 W. 25th St., Minneapolis, Minn.
9ERD—C. Romjue, LaPlata, Mo.
9EBE—O. Ofteaie, Jr., 125 S. Oxford St., St. Paul, Minn.
9EBF—M. W. Thorne, 333 W. Laurence, Mishawaka, Ind.
9ERG—M. Locker, 2606 Irving Ave. S., Minneapolis, Minn.
9EBH—E. Gleseke, 312 S. Liberty St., Elgin, Ill.
9EBI—D. E. Richardson, Round Lake, Ill.
9EBJ—C. R. Hart, Main St., Markle, Ind.
9EBK—P. E. Okerberg, 3718 Sheffield Ave., Chicago, Ill.
9EBL—M. Lotterman, 3018 Fullerton Ave., Chicago, Ill.
9EBM—E. Proske, 1407-a Arlington Ave., St. Louis, Mo.
9EBN—L. L. Smith, 211—7th St., Fairbury, Ill.
9EBO—Unassigned
9EBP—Unassigned
9EBQ—G. F. Hightower, Coulterville, Ill.
9EBR—G. D. Carpenter, 665 South St., Elgin, Ill.
9ERS—J. L. Brubaker, 709 E. Euclid, McPherson, Kans.
9EBT—H. R. Drew, 1208 First Ave. N., Fargo, N. D.
9EBU—Unassigned
9EBV—R. J. Davis, 412 E. McPherson St., Kirksville, Mo.
9EBW—Unassigned
9EBX—Unassigned
9EBY—G. E. Knox, 701 Third St., Knoxville, Ia.
9EBZ—W. G. Baker, 2819 Kenwood Ave., Indianapolis, Ind.
9EC—B. E. McDowell, R. R. No. 7, Kokomo, Ind.
9ECA—G. R. Fitzgerald, Hamilton, Ill.
9ECB—R. G. Duffield, Jr., 225 Franklin St., Wheaton, Ill.
9ECC—J. A. Yates, 439 E. Main St., Richmond, Mo.
9ECD—J. A. Illlis, 858—40th St., Milwaukee, Wis.
9ECE—E. P. Kennedy, 24 Erlanger Rd., Erlanger, Ky.
9ECF—Unassigned
9ECG—H. L. Hamilton, 823 N. Jefferson, Mason City, Ia.
9ECH—R. Reed, 285 Fulton Place, Canton, Ill.
9ECI—K. Hart, 3024 S. Webster St., Ft. Wayne, Ind.
9ECJ—A. A. Gusack, 1644 W. 20th St., Chicago, Ill.
9ECK—E. K. Shinn, 2423—19th Ave. N., Minneapolis
9ECL—G. E. Martin, 553 W. 4th St., Spencer, Ia.
9ECM—J. T. Fox, Box 272, R. R. "F," Indianapolis, Ind.
9ECN—W. L. Troxel, 1107 N. Jefferson Ave., Mason City, Ia.
9ECO—E. C. Sutton, 1137 Avon Court, Rockford, Ill.
9ECP—Unassigned
9ECQ—S. S. Stoller & J. P. Magos, 7516 N. Murphy Ave., Chicago, Ill.
9ECR—Unassigned
9ECS—G. W. Kimball, Jr., 846 Lexington, Hastings, Neb.
9ECT—C. MacCarthy, 1029 N. Keeler Ave., Chicago, Ill.
9ECU—H. G. Elfring, Center St., Bensenville, Ill.
9ECV—H. Tobin, 906 "A" Ave., Vinton, Ia.
9ECW—D. Johnson, 722 N. McArthur St., Macomb, Ill.
9ECX—H. Lund, 3501 Tenth Ave. S., Minneapolis, Minn.
9ECY—H. F. Schowe, 4212 Penrose St., St. Louis, Mo.
9ECZ—E. Smith, 1510 Cleveland St., Kansas City, Kans.
9ED—L. C. Hecht, 1744 Chicago Ave., Evanston, Ill.
9EDA—O. R. Toman, 215 Court St., Bedford, Ia.
9EDB—T. J. Innis, Clarion, Ia.
9EDC—Unassigned
9EDD—P. Davis, 6033 Suburban Ave., St. Louis, Mo.
9EDE—D. Abernathy, 304 S. 13th St., Cedar Rapids, Ia.
9EDF—W. S. Sappenfield, 410 Parrett St., Evansville, Ind.
9EDG—L. Peterson, 1018 Foster St., Evanston, Ill.
9EDH—G. Cook, 1313 Dodge Ave., Evanston, Ill.
9EDI—A. B. Ellicock, 5614 Maple Ave., St. Louis, Mo.
9EDJ—P. J. Rapp, 705 W. 38th St., Kansas City, Mo.
9EDK—C. M. Ellicock, 5768 Kingsbury St., St. Louis, Mo.
9EDL—H. E. Olson, 1398 Semple Ave., St. Louis, Mo.
9EDM—C. M. Houldson, 902 W. 4th St., Mt. Carmel, Ill.
9EDN—T. L. Swansen, 904 Summit Ave., Milwaukee, Wis.
9EDO—H. M. Howell, 819 N. 5th St., Vincennes, Ind.
9EDP—M. E. Tracy, 2002 Maple St., Wichita, Kans.
9EDQ—G. W. Erickson, 626—3d Ave. S., St. Cloud, Minn.
9EDR—C. H. Sedwick, 114 Farley Pl., Downers Grove, Ill.
9EDS—V. A. Swensen, 1317 Jenifer St., Madison, Wis.
9EDT—Unassigned
EDU—L. Sherwood, R. F. D. No. 1, Box 22, Coleman, Wis.
EDV—H. J. Perschbacher, 421 Chestnut, West Bend, Wis.
EDW—H. C. Thompson, 4133 DeTonty St., St. Louis, Mo.
9EDX—Unassigned
9EDY—P. F. Peterson, 727 Northwestern Ave., Ames, Ia.
9EDZ—H. B. Jacobson, 1928 Sherman Ave., Evanston, Ill.
9EE—H. J. Goddard, Main St., Ellendale, N. D.
9EEA—P. M. Segal, 2518 Race St., Denver, Colo.
9EEB—E. E. Dinsmore, 111 S. Maple St., Ottawa, Kans.
9EEC—W. C. Shoemaker, 338 E. 2d St., Ottumwa, Ia.
9EED—Unassigned
9EEE—Unassigned
9EEF—A. Hady, 1304 Marquette St., Racine, Wis.
9EEG—J. F. Abbott, 1103 Cleveland St., Evanston, Ill.
9EEH—Unassigned
9EEI—F. C. Schnepper, 326 Second St. S., Cresco, Ia.
9EEJ—R. W. Smyth, N. Main St., Park Rapids, Minn.
9EEK—B. F. Adcock, Jr., 116 W. Hickman, Winchester, Ky.
9EEL—R. Lampe, 607 N. Central Ave., Duluth, Minn.
9EEM—C. E. Wells, 505 E. Court St., Richland Ctr., Wis.
9EEN—H. D. Robb, H. Ct., Hutshell Apts., Winchester, Ky.
9EEO—Unassigned
9EEP—A. Haagenson, Jr., Barnesville, Minn.
9EEQ—H. O. Watson, 713 Oregon St., Hiawatha, Kans.
9EER—L. S. Orth, 1412 N. Adams St., Mason City, Ia.
9EES—A. Myers, 1451 S. 15th St., Omaha, Neb.
9EET—Unassigned
9EEU—A. J. Weiss, 5335 Adams St., Chicago, Ill.
9EEV—H. W. Rubinstein, 777—26th St., Milwaukee, Wis.
9EEW—R. Bowman, 1011 S. Main St., Ottawa, Kans.
9EEX—J. Frantz, 1510 E. 63d Place, Chicago, Ill.
9EEY—Unassigned
9EEZ—L. V. Pottinger, 518 W. 9th St., Owensboro, Ky.
9EF—C. Rave, 1525 Maple St., Racine, Wis.
9EFA—H. J. Jesson, 203 E. Third Ave., Caney, Kans.
9EFB—H. J. Elle, 1615 Meade Ave., Chicago, Ill.
9EFC—Cunningham Bros., 404 Price St., Columbia, Mo.
9EFD—Unassigned
9EFE—R. E. McCullough, 712 E. 7th St., Coffeyville, Kans
9EFF—M. C. Ferguson, 703 Marquette, S. Milwaukee Wis
9EFG—R. S. Stalkweather, 1044 Lake Shore, Evanston, Ill.
9EFH—C. H. Morgan, 905 S. 6th Ave. W., Newton, Ia.
9EFI—T. B. Lowell, Nat. Brdg.&Flor. Rds., Normandy, Mo.
9EFJ—A. L. Carr, 1500 Main St., Leon, Ia.
9EFK—H. H. Hopfinger, 1829 Arizona St., Oskosh, Wis.
9EFL—A. W. Brady, 1205 E. Madison St., South Bend, Ind.
9EFM—Unassigned
9EFN—G. R. Moir, Wolverton, Minn.
9EFO—S. J. Lambert, 713 Washington St., Iowa City, Ia.
9EFP—A. G. Erickson, 828 N. 3d St., Marquette, Mich.
9EFQ—L. Layzell, 620 Oak St., Taylorville, Ill.
9EFR—Unassigned
9EFS—L. Jensen, 109 N. 7th St., Marshalltown, Ia.
9EFT—H. R. Robertson, Hubbard, Ia.
9EFU—L. H. Hull, R.F.D. No. 1, Eureka, Kans.
9EFV—Friends University, Wichita, Kans.
9EFW—R. G. Shimel, 602 E. Main St., Casey, Ill.
9EFX—R. V. Stratford, 411 High St., Beatrice, Neb.
9EFY—C. C. Van Zandt, 338 Euclid, Oak Park, Ill.
9EFZ—J. S. Surber, Francesville, Ind.
9EG—B. F. Pardieck, 1803 S. Elm St., Muncie, Ind.
9EGA—P. D. Maxwell, 2212 Douglas St., Omaha, Neb.
9EGB—Caeser Aimone, 408—4th St., Iron Mountain, Mich.
9EGC—G. Perrin, 1449—15th St., Milwaukee, Wis.
9EGD—C. Harris, 1602-a Semple Ave., St. Louis, Mo.
9EGE—R. Brown, 3261 S. Jefferson Ave., St. Louis, Mo.
9EGF—W. Jackson, 419 Pierce St., Eveleth, Minn.
9EGG—C. R. Rogness, Kenneth, Minn.
9EGH—R. H. Jackson, Jr., 415 N. Carroll, Madison, Wis.
9EGI—G. P. Ward, 236 W. State St., Springfield, Mo.
9EGJ—Unassigned
9EGK—G. Scheuer, Monterey, Ind.
9EGL—N. B. Jones, 1218 N. 11th Ave., Fargo, N. D.
9EGM—M. L. Brown, 1316 National Ave., Rockford, Ill.
9EGN—W. F. Meyers, R.F.D. No. 1, Box 90, Freeport, Ill.
9EGO—J. W. McManigal, 113 W. 8th St., Horton, Kans.
9EGP—S. E. Cleveland, Goldfield, Ia.
9EGQ—J. G. Boehm, 3534 Narragansett St., Chicago, Ill.
9EGR—J. Oltobell, 604 Douglas Ave., Eveleth, Minn.
9EGS—H. E. Carpenter, 3403 S. 3d Ave., Minneap., Minn.
9EGT—E. E. Trommer, 2516 Chestnut St., Milwaukee, Wis.
9EGU—C. L. Baker, Henning, Minn.
9EGV—Unassigned
9EGW—R. T. Inman, Riverside Dr., Beloit, Wis.
9EGX—F. M. Redman, 6 Wellington Apts., Fargo, N. D.
9EGY—Unassigned
9EGZ—Unassigned
9EH—G. E. Vogel, 249 S. Wayne St., Danville, Ind.
9EHA—H. J. Palmer, 325½ S. Front St., Mankato, Minn.
9EHB—W. Barnes, R.F.D. 2, Sta. "B," Dewey, Wis.
9EHC—C. A. DeLong, 421 W. 7th St., Sioux Falls, S. D.
9EHD—L. E. Newman, 6100 Pershing St., St. Louis, Mo.
9EHE—R. H. Gales, 910 College Ave., Davenport, Ia.
9EHF—L. R. Lesch, Rockford, Ia.
9EHG—V. Goldin, R. R. 2, Mellette, S. D.
9EHH—A. J. Simandl & E. F. Preuss, 751—16th St., Milwaukee, Wis.
9EHI—C. F. Pippen, 403 E. Centennial, Nappanee, Ind.
9EHJ—W. P. Meyer, Murdock, Neb.
9EHK—Unassigned
9EHL—G. T. Bennett, Rockford, Ia.
9EHM—R. T. Peschek, 1620 Walnut St., Milwaukee, Wis.
9EHN—E. E. Roth, W. 5th St., Villisca, Ia.
9EHO—W. L. Sharp, E. Main St., Greenwood, Ind.
9EHP—V. A. Bloomquist, 510 Sherman St., So. Bend, Ind.
9EHQ—J. L. Donner, Lena, Ill.
9EHR—F. Melcher, 6609 Normal Blvd., Chicago, Ill.
9EHS—L. F. Pfeiler, 1810 N. 5th St., Sheboygan, Wis.
9EHT—N. Douglas, 1622 New Hampshire, Lawrence, Kans.
9EHU—Unassigned
9EHV—E. L. Ecker, Sedan, Kans.
9EHW—A. M. Crozier, Weeping Water, Neb.
9EHX—J. R. Benson, 618 W. 4th St., Topeka, Kans.
9EHY—L. A. Stineman, 428 W. 72d St., Chicago, Ill.
9EHZ—E. C. Crossett, 1200 Lake Shore Dr., Chicago, Ill.
9EI—J. C. Anderson, Glengarry Farm, Lexington, Ky.
9EIA—E. Holehouse, 472 North Ave., Wauwatosa, Wis.
9EIB—R. L. Stewart, 214 S. Glenwood St., Peoria, Ill.
9EIC—Unassigned
9EID—L. R. Hull, 3107 Broadway, Ft. Wayne, Ind.
9EIE—J. H. Wood, Walhalla, N. D.
9EIF—G. Gasper, 948 W. 27th St., Indianapolis, Ind.
9EIG—W. G. Eaton, 107 S. 4th Ave., Brigton, Colo.
9EIH—E. Hodson, 361—4th Ave., Milwaukee, Wis.
9EII—G. W. Pilgram, 205 S. 18th St., St. Joseph Mo.
9EIJ—J. H. Miner, 858 N. Columbia St., Frankfort, Ind
9EIK—I. H. Paulson, 13—2nd St., Duluth, Minn.
9EIL—C. S. Van Gordon, 7th & Harmony Sts., Osseo, Wis.
9EIM—E. Travis, 1208 N. Evans St., Bloomington, Ill.
9EIN—J. F. Martin, 2350 Lawndale, Ave., Chicago, Ill.
9EIO—A. H. Case, 805 N. Main St., Charles City, Ia.
9EIP—E. R. Murray, 851 W. Green St., Decatur, Ill.
9EIQ—C. W. Newhall, Jr., Shattuck Sch., Faribault, Minn.
9EIR—L. Imel, Malvern, Ia.
9EIS—Westinghouse Elec. & Mfg. Co., 717 S. 12th St., St. Louis, Mo.
9EIT—T. S. Nichols, 607 Gilman St., Moberly, Mo.
9EIU—B. Whaley, 123 Conroy St., Shelbyville, Ind.
9EIV—P. A. Robblee, 5145 Lyndale Ave., S., Minneapolis.
9EIW—C. Miller, Numa, Ia.
9EIX—C. E. Slater, 1604—4th St., Boone, Ia.
9EIY—J. Anderson, 3629 Blaisdell Ave., Minneapolis.
9EIZ—M. W. Smith, 5621 Waterman Ave., St. Louis, Mo.
9EJ—R. E. Compton, Carthage, Ill.
9EJA—A. W. Strohmeyer, 1128 Bacon St., Indianapolis.
9EJB—J. B. Young, 411 S. State St., Yates Ctr., Kans.
9EJC—H. A. Jackson, 307 N. Prairie, Yates City., Kans.
9EJD—S. Lersch, 5063 W. 30th Pl., Cicero, Ill.
9EJE—M. Strutzel, Delmar, Ia.
9EJF—W. E. Granger, 1022—12th St., Golden, Colo.
9EJG—R. R. Shilts, North 3d St., Tecumseh, Neb.
9EJH—H. Williams, 311 Bowen St., Savanna, Ill.
9EJI—R. Stark, 3921 Boulevard Pl., Indianapolis, Ind.
9EJJ—Mutual Telephone Co., Tracy, Ia.
9EJK—M. A. Metz, 602 W. 15th St., Davenport, Ia.
9EJL—J. W. Appleton, 3440 Elliott Ave., Berwyn, Ill
9EJM—Unassigned
9EJN—Unassigned
9EJO—Unassigned
9EJP—Unassigned
9EJQ—R. P. Griffith, S. Water St., Goldfield, Ia.
9EJR—Unassigned

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9EJS—R. L. St. John, Bethany, Ill.
9EJT—H. Caskey, 618 Brotherton St., Muncie, Ind.
9EJU—D. A. Burton, 2224 Jefferson St., Muncie, Ind.
9EJV—R. C. Gore, 26 Madison Ave., Evansville, Ind.
9EJW—J. C. Hromada, 1320 Clinton Ave., Oak Park, Ill.
9EJX—L. H. Norton, 7030—34th St., Berwyn, Ill.
9EJY—L. Tulauskas, 9323 Rhodes Ave., Chicago, Ill.
9EJZ—S. A. Vye, 3734 Pleasant Ave., Minneapolis, Minn.
9EK—C. A. Kelso, 4769 Labadie Ave., St. Louis, Mo.
9EKA—R. F. Wilmert, R. R. No. 4, Lincoln, Ill.
9EKB—M. Shum, 415 W. Main St., Clarinda, Ia.
9EKC—R. C. Pote, 4925 Park View Pl., St. Louis, Mo.
9EKD—H. W. Betz, 106 N. Fair St., Champaign, Ill.
9EKE—W. Davis, Jr., 231 Stanley Ave., Canon City, Colo.
9EKF—L. W. Wood, 5522 Waterman St., St. Louis, Mo.
9EKG—J. E. Wheeler, 1102 Mathewson St., Wichita, Kans.
9EKH—Unassigned
9EKI—Unassigned
9EKJ—G. E. Ganss, 5323 Minerva St., St. Louis, Mo.
9EKK—W. Schormann, Staplehurst, Neb.
9EKL—C. M. Lindsey, 1312 Acoma St., Denver, Colo.
9EKM—J. Hovorka, 1409 Winconsin Ave., Oak Park, Ill.
9EKN—D. D. Gretorex, 125 E. 2nd St., Blue Earth, Minn.
9EKO—Unassigned
9EKP—H. S. Scott, 501 N. Wade St., Mexico, Mo.
9EKQ—G. G. Gladson, 329 W. 6th St., Chanute, Kans.
9EKR—M. F. Joern, Nicollet, Minn.
9EKS—P. C. Hanger, 3829 Pasco St., Kansas City, Mo.
9EKT—L. J. Osterholm, 2585 Pratt St., Omaha, Neb.
9EKU—F. E. Moffet, 3d St., Devil's Lake, N. D.
9EKV—E. L. Miller, R.F.D. No. 3, Mendota, Ill.
9EKW—M. O. Reese, Melbourne, Ia.
9EKX—G. S. Dutton, 208 N. Maple St., Creston, Ia.
9EKY—R. K. Rohan, 5809 DeGiverville, N.W., St. Louis
9EKZ—E. A. Lanus, Bender & E. 10th, Spencer, Ia.
9ELA—H. L. Owens, 822 E. Main, Council Grove, Kans.
9ELA—R. Klein, 4427 Lee Ave., St. Louis, Mo.
9ELB—C. H. Nicholson, 2912 N. Racine Ave., Chicago, Ill.
9ELC—Unassigned
9ELD—A. C. Krones, 1176 Superior St., Milwaukee, Wis.
9ELE—G. S. Porter, N. St. Vincent Rd., La Salle, Ill.
9ELF—T. W. Tizzard, Jr., 352 Prince, Downers Gr., Ill.
9ELG—G. F. Pfontz, R.F.D. No. 9, Rockford, Ill.
9ELH—H. Layton, 1017 Pleasant Pl., Oak Park, Ill.
9ELI—K. F. Tracy, 2429 Banks Ave., Superior, Wis.
9ELJ—C. I. Olsen, 129 Melbourne Ave., Minneapolis.
9ELK—A. L. Bates, 936 Kimbrough, Springfield, Mo.
9ELL—W. R. R. LaVielle, Jr., Audubon Park, R.D. 120B, Louisville, Ky.
9ELM—J. A. Vivian, 516½ Broadway, Logansport, Ind.
9ELN—K. Everhart, 116 E. Duchanan, Kirksville, Mo.
9ELO—Unassigned
9ELP—L. D. Smith, P. O. Box 403, Crete, Neb.
9ELQ—L. H. Rudd, 621 N. Penn Ave., Mason City, Ia.
9ELR—M. T. Steffy, 93 Forest Ave., Downers Grove, Ill.
9ELS—L. A. Bernert, 381 Perkins Blvd., Burlington, Wis.
9ELT—L. N. Gibson, Box 8, White Water, Kans.
9ELU—A. Wooldridge, Main St., Osage, Ia.
9ELV—J. W. Blauert, 498—13th St., Milwaukee, Wis.
9ELW—W. K. Schlegel, 1641 Washington, Lincoln, Neb.
9ELX—H. W. Lange, 2243 Addison St., Chicago, Ill.
9ELY—D. R. Dixon, 5821 Page Ave., St. Louis, Mo.
9ELZ—H. Hanrion, 2912 Prospect, Kansas City, Mo.
9EM—J. H. Slusser, 1214 Erie Ave., Logansport, Ind.
9EMA—Penn College, Oskaloosa, Ia.
9EMB—J. Hampel, 2238 Alberta St., St. Louis, Mo.
9EMC—J. O. Roberts, Tower City, N. D.
9EMD—G. J. Rhein, Manchester, Wis.
9EME—H. Steinbach, 4322 N. Tripp Ave., Chicago, Ill.
9EMF—H. V. Lee, 225 Center St., Vermillion, S. D.
9EN—Unassigned
9EO—E. J. Krusel, 1710 Lackawanna Ave., Superior, Wis.
9EP—J. W. Coleman, 211 N. Broadway, Lexington, Ky.
9EQ—P. F. Ring, 1408 E. Grand St., St. Louis, Mo.
9ER—B. Mowrey, 451—9th St., Lincoln, Ill.
9ES—T. S. Cliff, 32 N. 14th St., Terre Haute, Ind.
9ET—W. L. Thompson, 1163 N. Broad St., Galesburg, Ill.
9EU—E. R. Thornburg, Grimes, Ia.
9EV—H. W. Wahn, 4946 N. Hoyne Ave., Chicago, Ill.
9EW—E. R. Anderson, 308 N. 27th Ave., Omaha, Neb.
9EX—J. Abercrombie, 819 N. 23d St., St. Joseph, Mo.
9EY—R. E. Lindquist, 5638 N. Campbell Ave., Chicago.
9EZ—A. B. McCall, 631 W. Edwards St., Springfield, Ill.
9FA—L. A. Walker, 1716 S. 20th St., St. Joseph, Mo.
9FB—W. A. Hodges, 926 Mishawaka, E., Mishawaka, Ind.
9FC—H. R. Hall, 23 Merriam Pl., St. Paul, Minn.
9FD—J. Fetzer, 1808 Thompson St., Lafayette, Ind.
9FE—J. R. Swinton, 229 Johnson Ave., Trinidad, Colo.
9FF—Unassigned
9FG—L. D. Dillard, 4645 Delmar, St. Louis, Mo.
9FH—J. B. Imsdahl, Pitt, Minn.
9FI—L. A. Degner, 394—24th Ave., Milwaukee, Wis.
9FJ—N. Richardson, 5058 N. Lincoln St., Chicago, Ill.
9FK—C. S. Fritschel, Wartburg College, Clinton, Ia.
9FL—J. C. Pilgram, 205 S. 18th St., St. Joseph, Mo.
9FM—S. J. Blum, 6320 Main St., Kansas City, Mo.
9FN—R. C. Lowe, Fairmont, Minn.
9FO—R. Stegner, 166 S. Ramsey, Redwood Falls, Minn.
9FP—C. R. Stelle, 1309 Lincoln Way, E. So. Bend, Ind.
9FQ—J. Cohen, 417 State St., Madison, Wis.
9FR—F. J. Gerlich, 818 University, N.E., Minneapolis.
9FS—E. E. Pippenger,, 208 Wiggins, W. Lafayette, Ind.
9FT—G. A. Plank, 101 N. Pleasant, Independence, Mo.
9FU—E. J. Allen, 634 Jefferson Ave., Defiance, O.
9FV—A. T. Law, 3439 Grove St., Denver, Colo.
9FW—C. R. Anderson, R. R. 4, Box 33, Cambridge, Ill.
9FX—T. W. Jackson, College Hgts, Jamestown, N. D.
9FY—F. V. Watts, 416 Jackson Ave., West Plains, Mo.
9FZ—R. C. Ballard, 1202 W. Oregon St., Urbana, Ill.
9GA—E. H. Gager, 5231 N. Laramie Ave., Chicago, Ill.
9GB—J. H. S. Lawson, Box 350, R. 1, Mt. Wash., Mo.
9GC—E. H. Giddings, 414 N. Broad St., Lenark, Ill.
9GD—H. D. Jones, Box 5, St. Croix Falls, Wis.
9GE—A. B. McCall, 631 W. Edwards St., Springfield, Ill.
9GF—A. Elkins, 10215 Vernon Ave., Chicago, Ill.
9GG—C. K. Davis, 623 Obion St., Hickman, Ky.
9GH—A. C. Doman, Beaver Island, Clinton, Ia.
9GI—E. C. Smith, Weedman, Ill.
9GJ—Unassigned
9GK—K. M. Hance, 813—3d Ave., Fargo, N. D.
9GL—C. Triteline, 1005—14th St., Maywood, Ill.
9GM—D. A. & G. L. Kent, Dodge St., DeWitt, Ia.
9GN—First Baptist Church, Hudson, Wis.
9GO—D. H. C. O'Neil, 5740 Bartner Ave., St. Louis, Mo.
9GP—R. D. Hauch, 835 Wenonah Ave., Oak Park, Ill.
9GQ—Y. A. Nissen, Jr., 51 Washtenaw St., Chicago.
9GR—V. C. Mazylowski, 1610 N. Lawndale Ave., Chicago.
9GS—H. W. Miller, 655 Hi-Mount Blvd., Milwaukee.
9GT—R. Wright, Michigan Ave., Higland Park, Ill.
9GU—E. M. Turley, 163 Sheet St., W. Lafayette, Ind.
9GV—C. A. Wegner, 6205 Washington St., St. Joseph, Mo.
9GW—J. E. S. Hayes, 1014 E. 11th Ave., Duluth, Minn.
9GX—Beloit College, Beloit, Wis.
9GY—R. T. Hatton, 2220—58th St., Omaha, Neb.
9GZ—R. E. Mathes, 1224 LaSalle Ave., Minneapolis, Minn.
9HA—I. B. Lueck, 614—1st Ave., Antigo, Wis.
9HB—F. L. Riggs, 505 S. Green St., Polo, Ill.
9HC—A. A. Morse, Jr., 96 Virginia Ave., St. Paul, Minn.
9HD—R. S. Hale, 734 N. Pine Ave., Chicago, Ill.
9HE—G. R. Hammond, 219 S. 5th Ave., Oelwein, Ia.
9HF—Lawrence Coll., Dept of Physics, Appleton, Wis.
9HG—H. J. Griffin, 4620 Wakely St., Omaha, Neb.
9HH—Unassigned
9HI—G. E. Borgman, 2434 Stevens Ave., Minneapolis.
9HJ—Ft. Wayne H. S., Barr & Lewis, Ft. Wayne, Ind.
9HK—F. E. Phillips, 728 Bluff Blvd., Clinton, Ia.
9HL—H. S. Lewis, 323 Wesley Ave., Oak Park, Ill.
9HM—Otterholm & Miller, 1655 Wesley Ave., St. Paul.
9HN—M. D. Mealey, 520 S. Workman St., Lyons Kans.
9HO—O. S. McDaniel, 817 Rollins St., Columbia, Mo.
9HP—E. C. Slicer, 401 Chicago St., Dolton, Ill.
9HQ—J. N. Becker, 546 E. Union St., Blue Island, Ill.
9HR—M. W. Hutchinson, Middleburry, Ind.
9HS—G. J. Dertinger, Perham, Minn.
9HT—J. G. O'Rourke, 3064 S. 32d St., Omaha, Neb.
9HU—J. A. Gjelhaug, Baudette, Minn.
9HV—Unassigned
9HW—C. F. Bates, 593 Cass St., Milwaukee, Wis.
9HX—D. H. Harrell, 126—6th St., Logansport, Ind.
9HY—J. H Jay, 6027 Kimbark Ave., Chicago, Ill.
9HZ—G. A. Sim, Jr., 5527 Lowe Ave., Chicago, Ill.
9IA—R. C. Thoiupson, 1010 Mt. Curve St., Minneapolis
9IB—W. R. Cook, 2721 Askew Ave., Kansas City, Mo.
9IC—A. E. Jeffery, 1159 E. 54th Place, Chicago, Ill.
9ID—F. J. Renz, 1032 Lincoln Ave., St. Paul, Minn.
9IE—L. A. Mutchler, Aneta, N. D.
9IF—J. A. Wanek, Giltner, Neb.
9IG—M. W. Swanson, 1900 Western Ave., Minneapolis
9IH—W. H. Rozier, 4451 Westminster Pl., St. Louis, Mo.
9II—G. D. Bauer, 2133 Weisser Pk. Ave., Ft. Wayne, Ind.
9IJ—Unassigned
9IK—Unassigned
9IL—R. E. Schwach, 1637 Parkside Ave., Chicago, Ill.
9IM—D. A. Weller, 4336 N. Lowell Ave., Chicago, Ill.
9IN—Unassigned
9IO—C. Middleton, 719 Michigan Ave., LaPorte, Ind.
9IP—E. M. Peck, 170 Elm St., Elgin, Ill.
9IQ—Indiana University, Dept. of Physics, Bloomington, Ind.
9IR—F. A. Schaefer, 744—53d St., Milwaukee, Wis.
9IS—G. D. Haedecke, 1455 Cleveland Ave., St. Paul, Minn.
9IT—E. A. Holm, 2711 Sayre Ave., Chicago, Ill.
9IU—P. C. Patterson, 320 W. 12th St., Anderson, Ind.
9IV—C. W. Ulrich, 529 Grant St., Chicago, Ill.
9IW—W. H. Webb, 412 E. Lyon St., Lyons, Kans.
9IX—West & Dedricks, 1404 Mich. Ave., Manitowoc, Wis.
9IY—G. Becker, E. 30th & Dean Ave., Des Moines, Ia.
9IZ—H. A. Silcox, 1516 Madison Ave., Indianapolis, Ind.
9JA—P. A. Stover, Marengo, Ia.
9JB—W. E. Propst, Geneva, Neb.
9JC—C. E. Erbstein, Villa Olivia, R. F. D. 6, 75, Elgin, Ill.
9JD—O. Meredith 860—5th St. NW., Linton, Ind.
9JE—P. S. Westcott, 1244—39th St., Milwaukee, Wis.
9JF—I. Ogden, 403 Prospect St., Red Oak, Ia.
9JG—H. Barth, 3723 S. Jefferson St., St. Louis, Mo.
9JH—Unassigned
9JI—Lawrence Dutton, 940 37th St., Milwaukee, Wis.
9JJ—Unassigned
9JK—R. Smith, 3108 S. 19th St., Omaha, Neb.
9JL—F. E. Breen, 419 N. Clinton St., Iowa City, Ia.
9JM—G. Gabert, 654 N. Cedar St., Sturgeon Bay, Wis.
9JN—H. Richter, 1563 University Ave., St. Paul, Minn.
9JO—G. Damman, 725 Oakton St., Evanston, Ill.
9JP—Unassigned
9JQ—W. Schroeder, 1825 Spaulding Ave., Chicago, Ill.
9JR—J. L. Bush, Tuscola, Ill.
9JS—C. H. Schwingel, 412 W. Doty St., Madison, Wis.
9JT—W. N. Perry, 815 Lake Ave., Racine, Wis.
9JU—R. Worgitzky, 1831 Hammond St., Chicago, Ill.
9JV—Unassigned
9JW—E. S. Leavenworth, 1207 State St., Milwaukee, Wis.
9JX—N. Van Campe, 6035 Honore St., Chicago, Ill.
9JY—C. J. Collins, 2322 Newland Ave., Chicago, Ill.
9JZ—Waukegan High School, Waukegan, Ill.
9KA—F. A. Bailey, Perry, Mo.
9KB—W. C. Evans, 6637 Kimbark Ave., Chicago, Ill.
9KC—L. A. Pease, 1927 W. 22d Place, Chicago, Ill.
9KD—F. & W. Braig, 413—7th St., Rockford, Ill.
9KE—E. A. Beane, 4900 N. Whipple St., Chicago, Ill.
9KF—J. A. Goorisich, 2316 Clybourn Ave., Chicago, Ill.
9KG—H. Larson, Viborg, S. D.
9KH—Unassigned
9KI—E. B. Mangan, 6828 Laflin St., Chicago, Ill.
9KJ—C. E. Folkers, 123 Main St., Frankfort, Ill.
9KK—J. A. Work, Jr., 205 S. Ave. "F" Washington, Ia.
9KL—C. E. Miller, 209 E. White St., Champaign, Ill.
9KM—L. Bidd'e, 442 Bosart Ave., Indianapolis, Ind.
9KM—L. Biddle 442 Boston Ave., Indianapolis, Ind.
9KN—R. H. Roettcher, 4334 Mozart St., Chicago, Ill.
9KO—Unassigned
9KP—A. G. Leonard, Jr., 4801 Woodlawn Ave., Chicago, Ill.
9KQ—Unassigned
9KR—B. S. Shimate, 503 S. West St., Lebanon, Ind.
9KS—L. Christofferson, 114—60th Ave. W., Duluth, Minn.
9KT—P. E. Johnson, 2800 E. 26th St., Minneapolis, Minn.
9KU—I. R. Loosen, 2609 Olive St., Kansas City, Mo.
9KV—J. J. Novak, 4031 S. Campbell Ave., Chicago, Ill.
9KW—Unassigned, 231 Walnut St., Westville, Ill.
9KX—E. Anderson
9KY—Unassigned
9KZ—F. Fanning, 301 Holt St., Ashland, Ky.
9LA—L. Thaver 757—18th St., Des Moines, Ia.
9LB—F. J. Warth, 637 New York Ave., Milwaukee, Wis.
9LC—Unassigned
9LD—H. B. Schenke, 1001 W. 9th St., Alton, Ill.
9LE—L. T. Carlson, 820 E. Prospect St., Kewanee, Ill.
9LF—E. F. Wurzburger, 1613 Smith St., Peoria, Ill.
9LG—D. F. Wood, Bloomington, Ind.
9LH—L. R. Penny, 161 London Ave., Lexington, Ky.
9LI—O. J. Rohlf, 2125 Claussen St., Davenport, Ia.
9LJ—H. H. Taylor, 2001 Mitchell Ave., St. Joseph, Mo.
9LK—J. P. Matthews, 527 E. 1st Ave., Newton, Ia.
9LL—Unassigned
9LM—B. E. Bodine, 7000 Virginia Ave., St. Louis, Mo.
9LN—O. Rasmussen, 476—54th Ave., West Allis, Wis.
9LO—A. G. Olsen, Osage, Ia.
9LP—E. Sheperd, 4522 Delmar Blvd., St. Louis, Mo.
9LQ—Unassigned
9LR—L. E. Dutton, 4931 N. Hoyne Ave., Chicago, Ill.
9LS—L. R. Schmitt, 1522 Belleplaine Ave., Chicago, Ill.
9LT—Marshall Elec. Co., 1603 W. Main, Marshalltown, Ia.
9LU—O. C. Brubaker, 109 W. Winfield St., Morrison, Ill.
9LV—J. L. Gallagher, 1420 W. Adams St., Chicago, Ill.
9LW—Unassigned
9LX—Unassigned
9LY—A. E. Gersch, 4245 S. Mozart St., Chicago, Ill.
9LZ—T. G. Seese, 4423 N. Laporte Ave., Chicago, Ill.
9MA—K. D. Downs, 815 N. Lombard Ave., Oak Park, Ill.
9MB—H. Doerfler, Collegeville, Minn.
9MC—A. H. Cain, Roodhouse, Ill.
9MD—J. E. Sutcliffe, 1394 S. First St., Louisville, Ky.
9ME—W. H. Smith, Y. M. C. A., 16th & Lincoln, Denver
9MF—Edmund H. Scholz, 324 14th St., St. Cloud, Minn.
9MG—Northwestern Military Academy, Lake Geneva, Wis.
9MH—A. H. Haupt, 5409 Indiana Ave., Chicago, Ill.
9MI—Unassigned
9MJ—M. D. Piersol, 3227 Edgar Ave., Maplewood, Mo.
9MK—R. G. Carpenter, 814 McPherson St., Alton, Ill.
9ML—W. F. Hull, 301 Prairie St., Stevens Point, Wis.
9MM—Masonic Radio Club, Box 54, Converse, Ind.
9MN—Unassigned
9MU—Monmouth College, E. Broadway, Monmouth, Ill.
9MP—Unassigned
9MQ—E. M. Ruede, 4209 Mason St., Omaha, Neb.
9MR—H. H. Powell, 3122 Sheridan Road, Chicago, Ill.
9MS—Unassigned
9MT—Unassigned
9MU—E. Russell, Main St., Genoa, Ill.
9MV—J. R. James, Story City, Ia.
9MW—P. J. Handley, 419 E. Sixth St., Sedalia, Mo.
9MX—Unassigned
9MY—Unassigned
9MZ—Unassigned
9NA—W. J. Connolly, 414 S. W. Blvd., Kansas City, Kans.
9NB—R. C. Sellers, R. F. D. 1, Sycamore, Ill.
9NC—P. C. Barnes, Jr., 6812 Wash., University City, Mo.
9ND—Unassigned
9NE—H. F. Watts, 1418 N. 16th St., St. Joseph, Mo.
9NF—T. Logan, 1906 N. 22d St., St. Joseph, Mo.
9NG—R. G. Miller, 1414—1st Ave., Evansville, Ind.
9NH—W. Waltman, 1181 N. Sixth St., Terre Haute, Ind.
9NI—R. B. Dome, 406 E. Columbia St., Evansville, Ind.
9NJ—B. W. Stolte, 3554 S. Halsted St., Chicago, Ill.
9NK—Unassigned
9NL—Unassigned
9NM—H. A. Stone, R. F. D., Quinn, S. D.
9NN—C. R. Jarosewicz, 1330 W. 50th St., Chicago, Ill.
9NO—L. V. Johnson, Woodhull, Ill.
9NP—E. W. Reiss, O'Fallon, Ill.
9NQ—J. H. Burke, 564 E. Second St., Galesburg, Ill.
9NR—M. L. Goding, 123 N. Walnut St., Hoisington, Kans.
9NS—J. P. Snorke, 5115 S. Ada St., Chicago, Ill.
9NT—R. H. Radabaugh, 4132—29th Ave. S., Minneapolis
9NU—H. C. Thompson, 4133 De Tonty St., St. Louis, Mo.
9NV—Unassigned
9NW—E. R. Dennis, Hutchinson, Minn.
9NX—Q. M. Shultise, 128 N. Lorraine St., Wichita, Kans.
9NY—H. F. Warsing, 2401 S. Chicago, S. Milwaukee, Wis.
9NZ—R. Peterson, 2322 N. Avers Ave., Chicago, Ill.
9OA—L. D. Whitelock, 408—9th St., Petersburg, Ind.
9OB—L. R. Miller, 904 Avenue "A," Dodge City, Kans.
9OC—L. W. Andrews, 1315 E. High St., Davenport, Ia.
9OD—B. W. Heckman, 1818 Holman St., Covington, Ky.
9OE—P. Willis, 846 Carter Ave., Wichita, Kans.
9OF—C. A. Krapf, 718 Murtle St., Waukegan, Ill.
9OG—P. E. Johnson, 251 E. 16th St., Des Moines Ia.
9OH—L. Moscicke, 2915 N. Southport Ave., Chicago, Ill.
9OI—E. E. Burghardt, 433 Herman St., Milwaukee, Wis.
9OJ—D. R. Dunlap, Westboro, Mo.
9OK—L. E. Madison, 513 N. 13th St., St. Joseph, Mo.
9OL—D.A.R Radio Club of M., State St., Menominee, Mich.
9OM—C. A. Brockert, 911 W. Main St., Platteville, Wis.
9ON—C. F. Smiley, 300 Sixth Ave., Clinton, Ia.
9OO—H. E. Wilcox, 1113 Eleventh St., Boone, Ia.
9OP—Unassigned
9OQ—V. Johnson, 1921 Champa St., Denver, Colo.
9OR—A. F. Martheus, 731 Lincoln St., Evanston, Ill.
9OS—R. S. Rea, 628 Center St., Elgin, Ill.
9OT—W. T. Wiseman, 1119 Vliet St., Milwaukee, Wis.
9OU—H. C. Hoshell, 6846 Wentworth Ave., Chicago, Ill.
9OV—L. E. Oldfield, 36 Thacher Ave., River Forest, Ill.
9OW—E. W. Bates, 440 E. 110th Place, Chicago, Ill.
9OX—C. L. Pflum, 1944 Deerwood Ave., Louisville, Ky.
9OY—W. W. Swanson, 1912—5th Ave. S., Minneapolis
9OZ—L. J. Pupick, 2312 Greenview Ave., Chicago, Ill.
9PA—Unassigned
9PB—H. D. Barton, 1742 Ingram St., Indianapolis, Ind.
9PC—J. A. Martino, 2148 N. Kostner Ave., Chicago, Ill.
9PD—M. Druley, 317 20th St., Richmond, Ind.
9PE—H. R. & O. T. Conley, 205 E. 7th St., Metropolis, Ill.
9PF—R. A. Pence, 5135 Carrollton Ave., Indianapolis, Ind.
9PG—Unassigned
9PH—H. E. Crandall, 2114 Oak St., New Albany, Ind.
9PI—Gardner & Isaak, Eureka, S. D.
9PJ—S. B. Mateske, 1101 St. Andrews St., LaCrosse, Wis.
9PK—Phi Kappa Sigma, 3420 Michigan Ave., Chicago, Ill.
9PL—H. M. Ennis, 334 W. Fourth St., Ottumwa, Ia.
9PM—W. H. Penaat, 5028 Cabenne Ave., St. Louis, Mo.
9PN—Unassigned
9PO—A. Swinfin, 630 Kenilworth St., Oak Park, Ill
9PP—H. F. Wilson, 1105 Franklin Ave., Normal, Ill.
9PQ—Langford T. Bourland, 239 N. Garfield, Peoria, Ill.
9PR—M. L. Hobson, 401 W. Natl. Rd., Richmond, Ind.
9PS—R. Youngmeyer, 125 N. Volustia St., Wichita, Kans.
9PT—Unassigned
9PU—A. N. Montgomery, Main St., Owensville, Ind.
9PV—W. A. Hill, 817 Market St., Emporia, Kans.
9PW—H. J. Becker, 4419-a Michigan Ave., St. Louis, Mo.
9PX—Unassigned
9PY—Unassigned
9PZ—P. R. Smith, 1427 Emerson Ave. N., Minneapolis
9QA—A. B. Johnson, 1703 W. 103d St., Chicago, Ill.
9QB—S. Burdett, 6464 Dorchester Ave., Chicago, Ill.
9QC—F. R. Clark, 26 S. 11th St., Richmond, Ind.
9QD—Unassigned
9QE—I. Bulock, 718 E. Second St., Fairmont, Minn.
9QF—H. J. Boyce, 515 E. 1st St., Fairmont, Minn.
9QG—R. E. Hughes, 519 Asbury Ave., Evanston, Ill.
9QH—G. J. Wagner, 1319 S. 8th St., Lincoln, Neb.
9QI—Rev. C. L. White, E. Main St., Greentown, Ind.
9QJ—J. Vandornick, Jr., 806 Spies Ave., Menominee, Mich.
9QK—R. Hecht, 5612 Renwood Ave., Chicago, Ill.
9QL—C. W. Schuknecht, 2839 Wyandot St., Denver, Colo.
9QM—R. C. Risciing, 230 N. 15th St., Murphysboro, Ill.
9QN—Austin High School, 5417 Fulton St., Chicago, Ill.
9QO—G. May, 1103 Massachusetts St., Lawrence, Kans.
9QP—S. Kaczrowski, 5234 W. 31st St., Cicero, Ill.
9QQ—Unassigned
9QR—W. M. Enslen, Jr., 2216 Fairfield, Ft. Wayne, Ind.
9QS—R. H. White, 1525 Banks Ave., Superior, Wis.
9QT—J. E. Goodwin, 429 Garfield Ave., Indianapolis, Ind.
9QU—Unassigned
9QV—Unassigned
9QW—S. B. Weidner, 13th & Willow Sts., Ottawa, Kans.
9QX—F. W. Caleson, 244 W. 7th St., Superior, Wis.
9QY—Unassigned
9QZ—R. F. Waterbury, 120 Mason St., Polo, Ill.
9RA—J. J. LeSage, 1010 Webster Ave., Chicago, Ill.
9RB—R. W. Burns, 304 Masterson Ave., Ft. Wayne, Ind.
9RC—Clarke & Wahlstrom, 1711 Estes Ave., Chicago, Ill.
9RD—V. L. Ferguson, 315 NE. Park St., Luverne, Minn.
9RE—E. E. Monigan, 1142 N. Johnson, South Bend, Ind.
9RF—Unassigned
9RG—Continental Radio & Mfg. Co., Newton, Ia.
9RH—L. R. Silvernail, 131 S. Main St., Canton, Ill.
9RI—Unassigned
9RJ—O. W. Peterson, 631 Summit Ave, Fergus Falls, Minn.
9RK—L. F. Dailey, 4422—9th Ave., Rock Island, Ill.
9RL—K. J. Schnelderman, 1401 S. Webster, Kokomo, Ind.
9RM—W. H. Earle, River St., Iowa Falls, Ia.
9RN—J. H. Jay, Crusier Vacuum II, Vicinity of Chicago.
9RO—G. F. Gould, 217 E. 7th St., Concordia, Kans.
9RP—Unassigned
9RQ—Unassigned
9RR—L. B. Laizure, 5544 Highland, Kansas City, Mo.
9RS—Unassigned
9RT—J. G. Smith, Weston, Mo.
9RU—C. E. Smith, 303—2nd St., Waseca, Minn.
9RV—F. A. Miller, 202 W. 13th St., Emporia, Kans.
9RW—C. C. Klentz, 546 E. 40th St., Chicago, Ill.
9RX—Citz. Radio Serv. Bureau, 416 S. Dearborn, Chicago.
9RY—O. A. Kimball, 1812 Bolles Ave., Topeka, Kans.
9RZ—H. Braaten, Dalton, Minn.
9SA—Unassigned
9SB—Unassigned
9SC—P. H. Weber, Y.M.C.A., 4th & Wis., Racine, Wis.
9SD—F. C. Casey, Eastern Ave., Marengo, Ia.
9SE—S. A. Schink, 18 Main St., Chilton, Wis.
9SF—Carlyle Jaehning, 354 E. 3d, Redwood Falls, Minn.
9SG—Graceland College, Lamoni, Ia.
9SH—P. Breeden III, 1441 Penn St., Denver, Colo.
9SI—L. Siebotham, 26a Newstead Ave., St. Louis, Mo.
9SJ—G. F. Grossman, Carlton Radio Shop, Carrollton, Mo.
9SK—J. F. West, Auburn, Ill.
9SL—J. N. Edmonson, Parsons Coll., Fairfield, Ia.
9SM—P. A. Perry, 604 N. Grove Ave., Oak Park, Ill.
9SN—H. B. Froelich, R.F.D. 38, Box 105, Anglum, Mo.
9SO—School of Engineering, 415 Marshall St., Milwaukee.
9SP—L. L. Rounds, Mott, N. D.
9SQ—Unassigned
9SR—M. B. Lowe, 2623 Hampden Ct., Chicago, Ill.
9SS—E. B. MacDowell, 4419 Harrison, Kansas City, Mo.
9ST—W. W. Weedfall, 3407 Olive St., Kansas City, Mo.
9SU—C. H. Siegfred, 439 Lafayette, Kansas City, Kans.
9SV—R. B. Witschen, 1419 St. Germain, St. Cloud, Minn.
9SVL—C. M. Mitchell, Lafayette Ave., Marengo, Ia.
9SW—T. E. Davis, Benson, Minn.
9SX—A. J. Eggert, 511 Case St., St. Paul, Minn.
9SY—C. E. Goddard, Shawnee, Kans.
9SZ—Unassigned

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9TA—O. H. White, 699 Adam St., Franklin, Ind.
9TB—L. D. Dinndorf, Richmond, Minn.
9TC—V. L. Cooley, 6427 Harvard Ave., Chicago, Ill.
9TD—H. D. Ashlock, 729 S. 10th St., Noblesville, Ind.
9TE—Unassigned
9TF—R. A. Gatzek, 317 S. 5th St., Richmond, Ind.
9TG—R. J. Pickhardt, 98 Home Ave., Franklin, Ind.
9TH—E. & W. Engelbretson, 419 Livingston, St. Paul.
9TI—I. T. Patridge, Milbank, S. D.
9TJ—G. T. Hancock, R.F.D. 1, Box 36, Fairfield, Neb.
9TK—R. E. Foss, 1321 E. 53d St., Chicago, Ill.
9TL—W. T. Lewis, 1632 Park Ave., Racine, Wis.
9TM—M. Wulf, Aurora, S. D.
9TN—F. W. Finkenbinder, 707 S. Columbia, So. Bend, Ind.
9TO—G. P. Dunklau, 7230 Yates Ave., Chicago, Ill.
9TP—W. R. Smith, 3101 Parnell Ave., Chicago, Ill.
9TQ—G. S. Dozier, Box 295, Stanford, Ky.
9TR—H. I. Tarr, 2517 Capitol Ave., Des Moines, Ia.
9TS—A. Johannsen, 2203 W. 11th St., Chicago, Ill.
9TT—C. H. Knickrehm, 1113 Elgin, Forest Park, Ill.
9TU—Humboldt H. S., Hum. & Augusta, St. Paul, Minn.
9TV—C. R. Wood, 220 W. Main St., Taylorville, Ind.
9TW—C. W. Yarcho, 22I—6th St., Lincoln, Ill.
9TX—Unassigned
9TY—R. C. Frey, 2215 Spring St., New Albany, Ind.
9TZ—W. H. Ahrensfeld, 201 N. Prospect, Park Ridge, Ill.
9UA—J. Weber, R.F.D. No. 1, Sprit Lake, Ia.
9UB—H. E. Harrison, Angola, Ind.
9UC—C. W. Kronmiller, 2908 Weisser Park, Ft. Wayne.
9UD—O. W. Phelps, 2336 S. 19th St., Omaha, Neb.
9UE—Unassigned
9UF—D. Levy, 856 N. Haynes St., Chicago, Ill.
9UG—C. C. Schuder, W. South St., Sumner, Ill.
9UH—V. R. Lucas, 820 N. 4th St., Fargo, N. D.
9UI—I. Bishop, 616 W. 6th St., Sedalia, Mo.
9UJ—Unassigned
9UK—K. A. Hawkinson, 1302 Rosemont Ave., Chicago, Ill.
9UL—C. S. Tunwall, 11th & 1st Ave., N., Ft. Dodge, Ia.
9UM—G. L. LaPlant, St. Anthony, Ia.
9UN—C. E. Wiley, 28 Barber St., Tuscola, Ill.
9UO—R. L. Black, 1271 S. Lincoln St., Denver, Colo.
9UP—A. J. Zeithammel, 2503 S. 61st Ave., Cicero, Ill.
9UQ—Unassigned
9UR—C. W. Dean, 3151 Boulevard Pl., Indianapolis, Ind.
9US—V. A. Kamin, 3353 Polk St., Chicago, Ill.
9UT—W. Knotts, 847 W. 27th St., Indianapolis, Ind.
9UU—R. W. Weisbach, 6727 Yale Ave., Chicago, Ill.
9UV—Unassigned
9UW—Unassigned
9UX—H. E. Thompson, Wagner, S. D.
9UY—H. Kozel, 915 North Ave., Waukegan, Ill.
9UZ—C. W. Kleman, 39 Greenbrier Rd., Covington, Ky.
9VA—E. A. Ramsey, 108 H. College Ave., Assumption, Ill.
9VB—J. Capen, 209 Broadway, Sedalia, Mo.
9VC—W. F. Evans, 2173 Hillside Ave., Indianapolis, Ind.
9VD—C. N. Crapo, 1175—2nd St., Milwaukee, Wis.
9VE—R. J. Rockwell, 5019 Capitol Ave., Omaha, Neb.
9VF—N. D. Brigham, 46 N. Chester Ave., Indianapolis.
9VG—I. L. Greene, Pineville, Ky.
9VH—Unassigned
9VI—H. T. Cottrell, 115 E. 13th St., Owensboro, Ky.
9VJ—Unassigned
9VK—F. H. Lester, 1155 Wisconsin Ave., Oak Park, Ill.
9VL—G. W. Volkenant, 1242 Knox Ave., Minneapolis.
9VM—A. Millington, 100 E. Elm St., Canton, Ill.
9VN—W. S. Schultz, 1004 N. Locust St., Valparaiso, Ind.
9VO—R. J. Lyons, Area, Ill.
9VP—J. M. Olson, 716 N. 6th St., Manitowoc, Wis.
9VQ—G. W. Weston, 3820 Monroe St., Chicago, Ill.
9VR—O. M. Smith, 1327 Lake Ave., Kansas City, Mo.
9VS—M. H. Ramberg, Yacht, 64th St. & Lake, Chicago.
9VT—R. W. Elliott, 308 S. 1st St., Independence, Kans.
9VU—Unassigned
9VV—J. Fairhall, Jr., 6 S. Gilbert St., Danville, Ill.
9VW—Unassigned
9VX—Menominee High School, B'way & Stephenson St., Menominee, Mich.
9VY—D. R. Clemons, 820 Lincoln, Valparaiso, Ind.
9VZ—B. L. Brown, 26 Alexandria Pike, Clifton, Ky.
9WA—R. H. Owen, 627 Frederica St., Owensboro, Ky.
9WB—L. W. Gerkey, 1650 Jackson Ave., Kansas City, Mo.
9WC—R. L. Clark, 125 Williams St., Richmond, Ind.
9WD—W. D. Pyle, 420 S. Sherman St., Denver, Colo.
9WE—N. B. Watson, 233 Iowa St., Indianapolis, Ind.
9WF—Unassigned
9WG—C. V. Entriken, 419 Greeley, Kansas City, Kans.
9WH—D. B. Gould, 1436 Birchwood Ave., Chicago, Ill.
9WI—L. C. Mack, Ellsworth, Kans.
9WJ—H. Van Allen, 6713 Michigan St., St. Louis, Mo.
9WK—G. H. Lantz, 487 Kenilworth Ave., Elmhurst, Ill.
9WL—W. C. Behmer, 1335 Kolin Ave., Chicago, Ill.
9WM—D. F. Hesley, 219 Meacham Ave., Park Ridge, Ill.
9WN—Unassigned
9WO—Unassigned
9WP—F. Knight, 1015 Blondeau St., Keokuk, Ia.
9WQ—L. Schilling, 3956 Zuni St., Denver, Colo.
9WR—H. C. Garrett, 810 E. 40th St., Kansas City, Mo.
9WS—C. E. Harrison, 7561 Ellis St., Maplewood, Mo.
9WT—Unassigned
9WU—E. G. Hill, 1330—1st St., Louisville, Ky.
9WV—W. J. Alstead, 617 Western Ave., Topeka, Kans.
9WW—F. C. Walker, 315 Long Ave., Chicago, Ill.
9WX—R. H. Winston, 258 S. York St., Elmhurst, Ill.
9WY—A. L. Bickhard, 340 Frederick, Huntington, Ind.
9WZ—R. Helberg, 22 W. Grant St., Minneapolis, Minn.

Special Radio Stations of the Ninth District

9XA—Unassigned
9XAB—Unassigned
9XAC—Unassigned
9XAG—Unassigned
9XAH—Unassigned
9XAI—Unassigned
9XAJ—Unassigned
9XAQ—Univ. of Colo., Dept. of Elec. Eng., Boulder, Colo.
9XAR—Omaha Cen. H. S., 20th & Dodge, Omaha, Neb.
9XAS—Unassigned
9XAT—Cutting & Washington Radio Corp., 18 Franklin Ave., Minneapolis, Minn.
9XAU—Unassigned
9XAV—Unassigned
9XAW—Michigan Coll. of Mines, Houghton, Mich.
9XAX—D. C. Wallace, 54 Penn Ave., Minneapolis, Minn.
9XAY—M. G. Sateren, 127 Blanche St., Houghton, Mich.
9XAZ—Unassigned
9XB—Unassigned
9XC—Unassigned
9XD—Dodge's Inst. of Tele., Valparaiso, Ind.
9XE—Unassigned
9XF—Unassigned
9XG—Unassigned
9XH—Unassigned
9XI—Univ. of Minne., Dept. of Elec. Eng., Minneapolis.
9XJ—University of Illinois, Urbana, Ill.
9XK—Unassigned
9XL—Unassigned
9XM—Univ. of Wis., Physics Bldg., Madison, Wis.
9XN—Chgo. Radio Lab., 5525 Sheridan Rd., Chicago, Ill.
9XO—Morkrum Co., 1410 Wrightwood Ave., Chicago, Ill.
9XP—Unassigned
9XQ—Unassigned
9XR—Unassigned
9XS—Lombard Coll., 1100 E. Knox St., Galesburg, Ill.
9XT—St. John's University, Collegeville, Minn.
9XU—Unassigned
9XV—Unassigned
9XW—Westinghouse Elec. & Mfg. Co., Hastings, Neb.
9XY—Westinghouse Elec. & Mfg. Co., 72 W. Adams St., Chicago, Ill.
9XZ—P. G. Bursey, 1001 W. Nevada St., Urbana, Ill.
9YA—Unassigned
9YAA—Unassigned
9YAB—Washington Univ., Skinker & Lindell, St. Louis, Mo.
9YAC—Unassigned
9YAD—School of Engineering, 415 Marshall, Milwaukee.
9YAE—Western Union College, 10th St., Le Mars, Ia.
9YAG—Unassigned
9YAH—Western State College of Colorado, Gunnison, Colo.
9YAJ—St. Olaf's College, Manitou Hgts., Northfield, Minn.
9YAK—Yankton College, Capitol St., Yankton, S. D.
9YAM—University of South Dakota, Vermilion, S. D.
9YAO—Unassigned
9YAP—St. Ambrose College, 600 W. Locust, Davenport, Ia.
9YAQ—Southeast Mo. State Teachers Col., Normal Ave., Cape Girardeau, Mo.
9YAR—Lawrence College, Appleton, Wis.
9YAT—St. Mary's High School, Rushville, Neb.
9YB—Purdue University, Lafayette, Ind.
9YC—U. of Kentucky, S. Livingstone St., Lexington, Ky.
9YG—Unassigned
9YH—Evanston Township H. S., Evanston, Ill.
9YI—Iowa State College, Ames, Ia.
9YJ—Unassigned
9YK—St. Louis University, Grand & Pine, St. Louis, Mo.
9YL—Armour Inst. of Technology, Federal St., Chicago, Ill.
9YM—U. of Missouri (OTC), 604 S. 9th St., Columbia, Mo.
9YN—Missouri School of Mines & Metallurgy, Rolla, Mo.
9YP—Unassigned
9YQ—Culver Military Academy, Culver, Ind.
9YR—Unassigned
9YS—Unassigned
9YT—State Normal School, Wayne, Neb.
9YU—Doane College, Crete, Neb.
9YV—Unassigned
9YW—S. D. State School of Mines, Rapid City, S. D.
9YX—W. H. Dunwoody Ind. Inst., 818 Superior, Blvd., Minneapolis, Minn.
9YY—Univ. of Neb., Elec. Eng. Dept., Lincoln, Neb.
9ZA—Unassigned
9ZAA—Unassigned
9ZB—Unassigned
9ZC—J. A. Gjelhaug, Baudette, Minn.
9ZG—Unassigned
9ZI—R. E. Anderson, 235 Main St., Lexington, Ky.
9ZL—Fox River Valley Radio Sup. Co., 425 Sherry St., Neenah, Wis.
9ZN—R. H. G. Matthews, 5525 Sheridan Rd., Chicago, Ill.
9ZT—D. C. Wallace, 54 N. Penn Ave., Minneapolis, Minn.
9ZU—Sioux City Radio Lab. Grand View Pk., Sioux City
9ZV—R. L. Coe, 207 Linden Ave., Clayton, Mo.
9ZX—Unassigned
9ZY—B. A. Ott, 241 S. 17th St., LaCrosse, Wis.
9ZAC—Unassigned
9ZAF—W. D. Reynolds, 1124 S. Univ. St., Denver, Colo

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Canadian Amateur Radio Stations

General Headquarters: Ottawa, Canada

Department of Marine and Fisheries

First District

Comprises Nova Scotia, New Brunswick and Prince Edward Island.

1AA—H. E. Gaudet, Box 192, Summerside, P.E.I.
1AB—C. W. Alexander, Box 599, Patterson St., Campbellton, N.B.
1AC—C. M. MacLean, Mahone Bay, Lunenberg Co., N.S.
1AD—J. S. Perry, Queen Hotel, Summerside, P.E.I.
1AE—H. Holden, Bay St., Glace Bay, N.S.
1AF—J. L. Fenderson, Jacquet River, N. B.
1AG—Unassigned
1AH—G. A. Sandoz, Emsiote Cottage, Franklyn St., Halifax, N.S.
1AI—P. L. Whitman, 63 Victoria Rd., Halifax, N.S.
1AJ—S. Jones, Box 108, Beech St., Sydney Mines, N.S.
1AK—A. L. Atkins, on Little River, St. John, N. B.
1AL—G. T. Clarke, 34 Paddock St., St. John, N.B.
1AM—Unassigned
1AN—Unassigned
1AO—Unassigned
1AP—P. F. McCully, Woodburne, Pictou Cons.
1AQ—F. R. Rossiter, 403 Brunswick St., Halifax, N.S.
1AR—J. J. Fassett, c/o Acadia Sugar Refinery, Dartmouth, N.S.
1AS—E. F. Burke, Joggin Mines, N.S.
1AT—R. C. Peters, Westmount, Sydney, N.S.
1AU—L. C. Batho, 105½ Cedar St., Halifax, N.S.
1AV—Unassigned
1AW—G. A. Edwards, Box 155, North Snydney, N. S.
1AX—J. H. McCulloch, 281 Forbes St., New Glasgow, N.S.
1AY—A. P. Watson 166 Union St., Sydney, N.S.
1AZ—E. R. Quilter, Glacis Barracks, Halifax, N. S.
1BA—S. K. Wetmore, 175 Canterbury St., St. John, N. B.
1BB—C. A. Barbour, 90 Pitt St., St. John, N. B.
1BC—R. H. Williams, 148 Durham St., St. John, N.B.
1BD—J. F. Greene, 29 Portland St., Dartmouth, N.S.
1BE—G. R. Erb, 39 Metcalf St., St. John, N.B.
1BF—F. Rafferty, 228 Waterloo St., St. John, N.B.
1BG—S. Henry, Southport, P.E.I.
1BH—Unassigned
1BI—Unassigned
1BJ—Unassigned
1BK—H. M. Reynolds, The Citadel, Halifax, N.S.
1BL—L. C. Young, 345 Bentinck St., Sydney, N.S.
1BM—G. D. Crowell, 305 Bentinck St., Sydney, N.S.
1BN—F. A. A. Mutch, 132 Water St., Charlottetown, P.E.I.
1BO—Unassigned
1BP—J. J. Power, Jr., 23 Vernon St., Halifax, N.S.
1BQ—A. W. Greig, 142 North St., Halifax, N.S.
1BR—W. S. Trotter, 308 George St., New Glasgow, N.S.
1BS—Unassigned
1BT—J. J. Holmes, 546 Esplanade, Sydney, N.S.
1BU—W. G. Cook, 298 Oxford St., Halifax, N.S.
1BV—G. Wells, 74 Summit St., Halifax, N.S.
1BW—G. Charlton, Bridgetown, N.S.
1BX—Unassigned
1BY—W. A. Noble, 105 Carmarthen St., St. John, N.B.
1BZ—F. W. Hyndman, 119 Rochford St., Charlottetown, P.E.I.
1CA—G. G. Houston, 8 West St., Charlottetown, P.E.I.
1CB—Unassigned
1CC—Unassigned
1CD—Unassigned
1CE—A. A. Gayton, 411 Townsend St., Sydney, N.S
1CF—D. G. Naus, 403 Brunswick St., Halifax, N.S.
1CG—R. D. Stiles, 97 Cottage Rd., Sydney, N.S.
1CH—Unassigned
1CI—A. T. Mackay, Box 163, Summerside, P.E.I.
1CJ—Unassigned
1CK—W. E. Burke, 36 Upper Hillsboro St., Charlottetown, P.E.I.
1CL—G. B. Ingraham, 41 Rodney St., W. St. John, N. B.
1CM—Unassigned
1CN—H. C. Whitney, Summerside, P.E.I.
1CO—A. H. Mackie, Summer St., Summerside, P.E.I.
1CP—Unassigned
1CQ—Unassigned
1CR—Q. C. Mader, Mahone Bay, N.S.
1CS—Unassigned
1CT—Unassigned
1CU—H. B. Torey, Brookside Ave., New Glasgow, N.S.
1CV—M. J. Cleary, Box 312, North Sydney, N.S.
1CW—J. L. MacDonald, Westmount, Sydney, N.S.
1CX—A. B. Campbell, Cottage Lane, Glace Bay, N. S.
1CY—W. Tredwell, Box 38, Bay St., Glace Bay, N.S.
1CZ—Unassigned
1DA—Unassigned
1DB—Unassigned
1DC—J. S. Kirk, Porter St., Yarmouth, N.S.
1DD—W. C. Borrett, 14 Sinclair St., Dartmouth, N.S.
1DE—C. A. Landry, 39 Rose St., Dartmouth, N.S.
1DF—C. C. Curran, 124 Edward St., Halifax, N. S.
1DG—Unassigned
1DH—Unassigned
1DI—F. U. Mader, Mahone Bay, N.S.
1DJ—E. S. Campbell, 92 Beech St., Halifax, N.S.
1DK—G. F. Spencer, Port Morien, (C.B.), N.S.
1DL—N. T. Worgan, 208 Whitney Ave., Sydney, N.S.
1DM—S. H. Appleton, 101 Morien Hill, Caledonia Mines, (C.B.), N.S.
1DN—F. E. Harrington, Hampton Station, N.B.
1DO—University of New Brunswick, Fredericton, N.B.
1DP—G. C. Laurence, 63 Le Marchant St., Box 692, Halifax, N.S.
1DQ—A. M. Crowell, 18 Thompson St., Dartmouth, N.S.
1DR—Unassigned
1DS—Unassigned
1DT—H. Lardner, 69 Inglis St., Halifax, N.S.
1DU—Unassigned
1DV—R. Wood, Summerside, P. E. I.
1DW—T. G. Lantz, Mahone Bay, Lunenburg Co., N.S.
1DX—Unassigned
1DY—Unassigned
1DZ—Unassigned
1EA—G. H. Burchell, 54 Pleasant St., Dartmouth, N.S.
1EB—R. M. Binn, 318 Tower Rd., Halifax, N.S.
1EC—A. R. Spencer, 64 Anchorville St., Sydney, N.S.
1ED—S. Bateson, Box 391 Main St., Sydney Mines, N. S.
1EE—J. C. Arsenault, 78 School St., Charlottetown, P.E.I.
1EF—A. J. Dalton, 578 Robie St., Halifax, N.S.
1EG—L. M. Frederick, Box 131, Main St., Glace Bay, N.S.
1EH—R. B. McKenzie, Box 519, Cottage Lane, Glace Bay, N.S.
1EI—T. B. Lacey, 60 St. James St., St. John, N.B.
1EJ—G. Gilbert, 17 MacKay St., Dartmouth, N.S.
1EK—G. L. Conrad, 152 Brunswick St., Halifax, N.S.

Second District

Comprises the Province of Quebec.

2AA—J. Picard, 108 Commercial St., Bienville
2AB—J. D. Jarest, 51 Fraser St., Levis
2AC—F. H. Allcorn, 99 Selby St., Westmount
2AD—Unassigned
2AE—Unassigned
2AF—P. E. Lesage, 255 Laval, Montreal
2AG—R. M. Foster, 379 Selby Ave., Westmount
2AH—G. Palmer, Apt. 226, 1074 Green Ave., Westmount
2AI—A. C. McKim, 648 Roslyn Ave., Westmount
2AJ—W. Parenteau, 8 Bellerive St., Cap Madeline
2AK—W. Guenette, 1078 Blvd. Gouin, W. Montreal
2AL—H. A. Robinson, 4455 St. Catherine St., W. Montreal
2AM—A. E. Rowland, 684 Cuvillier St., Hochelaga, Montreal
2AN—Unassigned
2AO—Unassigned
2AP—R. St. Jacques, Lakeside
2AQ—Unassigned
2AR—F. Renaud, 707 Laval Ave., Montreal
2AS—Unassigned
2AT—J. O. H. Ricard, N.W. cor of Maurice and St. Catherine Sts., Grand Mere
2AU—J. McRobb, Jr., 302B Notre Dame St., E. Montreal
2AV—C. C. Corneille, Jr., 4289 Western Ave., Westmount
2AW—H. G. Robitaille, 17A Cazelais St., St. Henry, Montreal
2AX—G. H. Barnes, Stanbridge, East
2AY—Bro. Dominique, Académie Commerciale, Nicolet
2AZ—W. Hindle, Jr., 227 Anger St., Montreal
2BA—J. L. P. Landry, Mont Joli
2BB—R. M. Brophy, 39 Yorke Ave., Westmount
2BC—H. E. Fischer, 149 Quinn Blvd., Longueuil
2BD—E. Desroches, 459 Cartier St., Montreal
2BE—A. Reid, 202 Birch Ave., St. Lambert
2BF—O. DeCelles, 400 Rachel St., E. Montreal
2BG—T. H. Letts, 97 Quinn Ave., Longueuil
2BH—H. W. Forsyth, 2593A Park Ave., Montreal
2BI—Unassigned
2BJ—R. M. Foster, 379 Selby Ave., W. Westmount
2BK—Unassigned
2BL—H. E. Coram, 168 Milton St., Montreal
2BM—Unassigned
2BN—J. L. Miller, 136 Vendome Ave., N.D.G., Montreal
2BO—H. Racine, 2264 Frontenac St., Montreal
2BP—J. C. Amiot, 63 Price St., Kenogami
2BQ—A. Painchaud, 392 Durocher Ave., Outremont
2BR—M. L. R. Hersey, 13 Rosemount Ave., Westmount
2BS—Unassigned
2BT—F. A. A. Baily, 364 Kensington, N.D.G., Montreal.
2BU—E. P. Hobart, 377 Northcliffe Ave., Montreal
2BV—C. H. R. Bird, 337B Selby Ave., Westmount
2BW—H. H. Walker, 4339 Westmount Ave., Westmount
2BX—Unassigned
2BY—F. C. Bernier, 2599 Park Ave., Montreal
2BZ—L. M. A. Paquin, 152 Marquette, Montreal
2CA—Unassigned
2CB—Unassigned
2CC—T. H. Wardleworth, 168 Cote St., Antoine Rd., Westmount
2CD—Unassigned
2CE—H. S. Walker, 1123a Bordeaux St., Montreal
2CF—L. J. Gibbons, 2378 Mance St., Montreal
2CG—J. V. Argyle, 493 Décarie Blvd., Montreal
2CH—E. L. Glassford, 165 Northcliffe Ave., Montreal
2CI—E. W. Farmer, St. Thérèse, Box 111
2CJ—P. L. Desaulniers, Pont Rouge, Station
2CK—J. J. Miller, 44 Sunnyside Ave., W. Westmount
2CL—E. E. Robinson, 286 Regent Ave., N.D.G., Montreal
2CM—J. A. Adam, 488 Old Orchard Ave., Montreal
2CN—F. G. Todd, Jr., 597 Argyle Ave., Westmount
2CO—Unassigned
2CP—J. H. Bolton, 394 Beaconsfield Ave., N.D.G., Montreal
2CQ—Unassigned
2CR—J. M. McConnell, 360 Elm Ave., Westmount
2CS—A. G. P. Leduc, 456 Delorimier Ave., Montreal
2CT—J. W. Dumbelly, 2314 Clarke St., Montreal
2CU—G. J. Tobin, 868B St., André St., Montreal
2CV—A. K. Almon, 792 Cote St., Antoine Rd., N.D.G., Montreal
2CW—R. Thornton, 487 Notre Dame St., St. Lambert
2CX—E. Plow, 316 Kensington Ave., Westmount
2CY—R. I. Beall, 327 Roslyn Ave., Westmount
2CZ—J. T. Pfeiffer, Ray Ave., Quebec
2DA—Bro. Adolphe Col. Laval St., Vincent de Paul
2DB—Bro. Amantius, St. Antoine Academy, La Rale, Yamaska Co.
2DC—T. R. Keene, 164 Marlowe Ave., Montreal
2DD—H. Stethem, Cavalry Barracks, St. Johns
2DE—D. O. Bremner, 374 Roslyn Ave., Westmount
2DF—L. M. Morrison, Stanstead College, Stanstead
2DG—Unassigned
2DH—H. A. Buckle, 175 Willibrord Ave., Verdun
2DI—F. O. Stredder, Central Branch, Y.M.C.A., Montreal
2DJ—G. Trottler, 42 Guilbault St., Longueuil
2DK—Unassigned
2DL—Unassigned
2DM—H. Shehyn, 139 Grande Allee, Quebec
2DN—G. Hebert, 102—2d Ave., Viauville, Montreal
2DO—Unassigned
2DP—F. X. Frechette, 113 De Courcelles St., Montreal
2DQ—L'Abbe H. Simard, L'Universite Laval, Quebec
2DR—A. T. Boucher, 286 Prudholm, N.-D.G., Montreal
2DS—F. W. Gross, 539 Grosvenor Ave., Westmount
2DT—Unassigned
2DU—W. E. Gerrard, 22 Mercille Ave., St. Lambert
2DV—Unassigned
2DW—Unassigned
2DX—G. J. Matheson, 464 Strathcona Ave., Westmount
2DY—G. E. Findlay, 238 Redfern Ave., Westmount
2DZ—K. E. Clare, 361 Victoria Ave., St. Lambert
2EA—Unassigned
2EB—Unassigned
2EC—J. A. Rutherford, 49 Aberdeen Ave., Westmount
2ED—G. Pilon, 158 Gray Ave., N.-D.G., Montreal
2EE—P. A. Brault, 405 Durocher Ave., Outremont
2EF—J. C. Binnie, 563 Grosvenor Ave., Westmount
2EG—A. P. O'Connor, 69 Souvenir Ave., Montreal
2EH—J. E. Ferland, 142 Lafontaine St., Rivière du Loup
2EI—C. S. Miller, 373 Beaconsfield Ave., N.-D.G., Montreal
2EJ—G. Cohen, Apt. 12, 1335 Bernard Ave., Montreal
2EK—G. A. Kemp, 20 Laviolette, Three Rivers
2EL—D. Blehr, 1715 Hutchinson St., Montreal
2EM—V. Sharpe, 341 University St., Montreal
2EN—F. Barthelemy, L'Académie Girouard, St. Hyacinthe
2EO—S. M. Nesbitt, La Tuque
2EP—J. W. Strachan, 118 Brewster Ave., Montreal
2EQ—T. Hill, 741 Evelyn St., Verdun
2ER—R. J. Everest, 8th Ave., Shawinigan Falls
2ES—L. Page, 80 Chambord St., Montreal
2ET—G. B. Campbell, 233 Westminster Ave., Montreal
2EU—Unassigned
2EV—J. E. Dussault, 469 Chambord St., Montreal
2EW—Unassigned
2EX—F. R. Raymond, Comm. Col., Ste. Marie, Beauce Co
2EY—Unassigned
2EZ—Unassigned
2FA—Unassigned
2FB—A. G. Lorimer, Box 226, Farnham
2FC—H. A. Hall, Rock Island
2FD—F. Aubert, Col. Comm., St. Jerome Co., Terrebonne
2FE—Unassigned
2FF—Unassigned
2FG—R. S. Irving, 83 Stanley Ave., St. Lambert
2FH—Unassigned
2FI—Unassigned
2FJ—C. R. Hall, 328 Prud'homme Ave., Montreal
2FK—Unassigned
2FL—G. G. Wilding, 2079 Cartier St., Montreal
2FM—Unassigned
2FN—H. D'Auray, 604 Sherbrooke St. E., Montreal
2FO—R. MacDonald, 4383 Westmount Ave., Westmount
2FP—Unassigned
2FQ—Unassigned
2FR—J. E. Carignan, 1365 A de St. Valier St., Montreal
2FS—Frere Flavius, College de Sacre Coeur, Granby
2FT—J. Bradley, c-o Canada Paint Co., Ltd., Redmill
2FU—W. G. Southam, 617 Roslyn Ave., Westmount
2FV—Unassigned
2FW—J. MacPherson, 696 Gordon Ave., Verdun
2FX—W. H. Champagne, 1089 Notre Dame, W. Montreal
2FY—H. H. Rowland, 1768 Delorimier St., Montreal
2FZ—T. Brisebois, St. Vincent de Paul
2GA—A. Cadieux, 600 De La Naudierre, Montreal
2GB—Unassigned
2GC—P. L. Rivard, 56 De Laroche, Montreal
2GD—J. E. Laporte, 28½ Ste. Marie St., St. Hyacinthe
2GE—C. L. Ransom, 18 Melbourne Ave., Westmount
2GF—J. Lamothe, 14 St. Louis St., Three Rivers
2GG—R. Veilleux, Ste. Gertrude Co., Nicolet
2GH—J. E. McCrea, Lennoxville
2GI—Unassigned
2GJ—Unassigned
2GK—W. S. Vipond, 360 Claremont, Apt. 16, Westmount
2GL—J. A. Hope, 2165 Waverly St., Montreal
2GM—Unassigned
2GN—A. Gendron, 235 Fullum St., Montreal
2GO—W. R. J. Oliver, 525 Clarke Ave., Westmount
2GP—G. Caron, Nicolet
2GQ—J. Lavergne, 23 Hebert, Quebec
2GR—J. A. Marquis, P. O. Box 232, Montmagny
2GS—I. Lupien, Plessis St., Nicolet
2GT—Unassigned
2GU—T. C. Lindsay, 631 Church Ave., Verdun
2GV—F. Giroux, Joliette
2GW—W. H. C. Jarand, 56 Willowdale, Outremont
2GX—British Col. Contr. Co., 318 Lagauchetierre St., Mont.
2GY—J. I. Clairmont, La Rock House, Valleyfield
2GZ—S. D. Long, 102a Ash Ave., Montreal
2HA—J. G. McMurtie, 80 Girouard Ave., Montreal
2HB—Unassigned
2HC—C. S. V. Hawkins, 5 King George Ave., Kenogami
2HD—H. B. Finestone, 4436 St. Catharines, W., Montreal
2HE—M. Ducharme, 245 Fullum St., Montreal
2HF—W. E. Keyes, 190 Woodland Ave., Verdun
2HG—O. Bail, 704 Louis Veuillot, Montreal
2HH—D. F. Blaikie, 344 Mountain St., Montreal
2HI—B. M. Bloomfield, 4019 Dorchester St. W., Westmount
2HJ—Rev. L. M. Destroismaisons, St. Croix Co., Lotbiniere
2HK—T. Byrne, 93 Quesnel St., Montreal
2HL—Unassigned
2HM—Unassigned
2HN—G. D. Paradis, Grand Ligne
2HO—Unassigned
2HP—Unassigned
2HQ—Unassigned
2HR—R. Lionais, 89 Laporte Ave., St. Henry, Montreal
2HS—T. J. Duggan, 2137 Park Ave., Apt. 6, Montreal
2HT—R. Larin, 310 Patricia St., Montreal
2HU—Unassigned
2HV—F. W. Heavysege, 96a Lafayette Ave., Montreal
2HW—Unassigned
2HX—D. Pomminville, 813 Cartier St., Montreal
2HY—R. R. Gates, 3014 Ontario St., Maisonneuve, Montreal
2HZ—Unassigned
2IA—Unassigned
2IB—Unassigned
2IC—B. A. Norman, 242 De Villiers, Côte St. Paul, Mont.
2ID—L. Decelles, 938 Boulevard Pie IX, Montreal
2IE—W. Rhind, 64 Bruce Ave., Westmount
2IF—M. Henry, 689 St. Denis St., Montreal
2KA—S. J. Hungerford, 91 Westmount Blvd., Montreal, P.Q.

Third District

Comprises the Province of Ontario.

3AA—W. L. Love, 136 Main, Galt
3AAA—Unassigned
3AAB—Unassigned
3AAC—Unassigned
3AAD—H. M. Wilby, Markdale
3AAE—A. J. Knowlton, 2 Silver Birch Ave., Toronto
3AAF—F. Bing, 90 Gledhill Ave., Toronto
3AAG—Unassigned
3AAH—Unassigned
3AAI—J. H. Towers, 2986 Dundas St. W., Toronto
2AAJ—C. R. Harrison, 48 Carleton St., St. Catharines
3AAK—W. S. Scott, Box 50, Corunna
3AAL—Unassigned
3AAM—F. W. Wilkins, 235 Victoria St., N. Woodstock
3AAN—Unassigned
3AAO—L. D. Sherwin, 742 Dovercourt Rd., Toronto
3AAP—D. W. Hatch, 583 George St., Woodstock
3AAQ—T. V. Parker, Stoney Creek
3AAR—C. Hitchcock, 147 Sandwich St., Walkerville
3AAS—L. E. Flewelling, 46 Owen St. E., Toronto
3AAT—Unassigned
3AAU—J. K. Lee, 245 Howland Ave., Toronto
3AAV—A. T. Jones, 325 Kingswood Rd., Toronto
3AAW—R. T. Nelles, 1328 King St. W., Toronto
3AAX—A. Warwick, 34 Hillcrest Ave., St. Catharines
3AAY—Canada Radio Stores, 269½ Princess St., Kingston
3AAZ—L. H. Kerr, 1121 Ford St. W., Fort William
3AB—O. W. Snell, 34 Yonge St. Arcade, Toronto
3ABA—Kitchener & Waterloo Radio Club, Y.M.C.A. Bldg., Kitchener
3ABB—W. Heohlstein, 158 Walmer Rd., Toronto
3ABC—Unassigned
3ABD—Unassigned
3ABE—J. M. Brownlee, Elphin

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3ABF—W. G. Cousins, 31 Lett St., Ottawa
3ABG—R. O. Popham, 66 Kains St., St. Thomas
3ABH—O. E. Fleming, Goderich
3ABI—O. E. Fleming, Loc. on Board "Kittiwake" Corres. Ad. Victoria Bldg., Windsor
3ABJ—Unassigned
3ABK—W. S. Phelps, 134 Prince Rd., Sandwich.
3ABL—Unassigned
3ABM—S. E. Mifflin, 376 Queen St., Chatham
3ABN—J. H. Fowler, R.R. No. 4, Goderich
3ABO—G. Garroch, 304 N. Mitten St., Sarnia
3ABP—R. Norwood, 413 Confederation St., Sarnia
3ABQ—W. C. C. Duncan, 196 Ellsworth Ave., Toronto
3ABR—G. W. Cushnie, Mount Forest
3ABS—E. F. Black, 416 Spadina Rd., Toronto
3ABT—M. L. Doyle, 577 Bloor St. W., Toronto
3ABU—Moffat Motor Sales, Ltd., Oshawa
3ABV—G. A. Parkinson, 73 Parkmount Rd., Toronto
3ABW—Unassigned
3ABX—Unassigned
3ABY—W. Hadden, Huntingdon Ave., Kitchener Park, Scarboro Junction
3ABZ—C. E. Cousins, 917 Greenwood Ave., Toronto
3AC—H. Fleming, 107 Simcoe St., Orillia
3ACA—W. J. Cleveland, Myrtle St., Kingsville.
3ACB—P. A. Boissineau, 12 Belleview Av., Sault Ste. Marie
3ACC—Unassigned
3ACD—J. C. Cox, 29 Jones St., St. Catharines
3ACE—J. R. Mitchell, 11 Ontario St. S., St. Catharines
3ACF—H. Cohen, 165 University Ave., Kingston
3ACG—M. I. Higgins, 151 Ontario St., Stratford
3ACH—H. T. Lewis, 416 Westmoreland Ave., Toronto
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3OT—H. H. Lang, Cor. Charlotte and Elm, Port Colborne
3OU—C. R. Boehm, 152 Bloor St. W., Toronto
3OV—A. Huffman, 5 Maynard Ave., Toronto
3OW—W. E. Linton, 40 Russell St., Toronto
3OX—R. A. Pearson, 30 Electric Pk., Welland, Ont.
3OY—S. A. Allan, 233 Herkimer St., Hamilton
3OZ—D. A. Langford, 33 Lynnwood Ave., Simcoe
3PA—L. C. Meyer, 5th Ave., Weston
3PB—F. L. J. Grout, Thomas and William Sts., Oakville
3PC—W. McD. Angus, 227 N. Harold St., Fort William
3PD—H. L. Wyatt, 113 Pine St., Sault Ste. Marie
3PE—W. M. Campbell, 162 Inglewood Dr., Toronto
3PF—Unassigned
3PG—L. Horton, 395 Soudan Ave., Toronto
3PH—H. L. Corlett, 272 Dundas Crescent, Toronto
3PI—H. A. Dyer, 476 Huron St., Toronto
3PJ—R. J. Little, 377 Brunswick Ave., Toronto
3PK—H. F. Davis, 276 Roxton Rd., Toronto
3PL—E. E. Little, McDonald's Corners
5 Ft 14 ems Solid—
3PM—J. T. Hill, 440 Wellington St., Sarnia
3PN—Unassigned
3PO—M. I. S. Robertson, 5 Hawarden Ave., Brantford
3PP—547 Dougall Ave., Windsor
3PQ—G. B. Mitchell, 76 Brownlow Ave., Toronto
3PR—F. C. Matthews, Sherkson
3PS—L. W. Johnston, 89 Scott St., St. Thomas
3PT—E. C. Day, 79 Bartlett Ave., Toronto
3PU—W. F. Hersee, Woodstock Armories, Woodstock
3PV—H. R. Elliott, 82 Hogarth Ave., Toronto
3PW—Unassigned
3PX—T. J. Brooke, 385 Markham St., Toronto
3PY—A. V. Bellamy & B. C. Kimball, 40 Victoria Park Ave., Scarboro Township
3PZ—J. T. Scott. 104 Bernard Ave., Toronto
3QA—A. E. Parsons, 42 Winnifred St., Smith's Falls
3QB—Unassigned
3QC—Unassigned
3QD—G. G. Bain, Box 50, Hamilton
3QE—D. C. Winger, Ridgeway
3QF—R. S. Robinson, 109 Melville Ave., Toronto
3QG—Unassigned
3QH—R. B. Bennett, 19 Beale St., Woodstock
3QI—Unassigned
3QJ—F. R. Thomas, Mill St., Thornbury
3QK—Unassigned
3QL—C. A. Ackert, William St., Ingersoll
3QM—B. Robinson, 431 Oxford St., London
3QN—Unassigned
3QO—W. H. Schultz, 203 Dufferin Ave., Brantford
3QP—K. S. Atkinson, 169 Elm Ave., Windsor
3QQ—W. R. Moggridge, 77 Victoria Ave. S., Hamilton
3QR—S. A. E. Merrit, 71 Chelsea Ave., Toronto
3QS—P. C. Organ, 751 Ossington Ave., Toronto
3QT—Miss M. C. Cross, Bolton
3QU—E. C. Stewart, 22 Pipe Line Rd., London
3QV—D. K. Newbigging, 642 Brock Ave., Toronto
3QW—J. E. Dowsley, High School, Gananoque
3QX—Unassigned
3QY—B. B. Wilkinson, 270 N. Vidal St., Sarnia
3QZ—T. B. Gleave, 12 Alhambra Ave., Toronto
3RA—Unassigned
3RB—W. E. Phillips, 153 Crawford St., Sarnia
3RC—H. C. Dell, Box 609 Leamington
3RD—M. A. Watson, 97 Florence Ave., Westboro
3RE—W. E. Balsdon, 555 Strathmore Blvd., Toronto
3RF—Unassigned
3RG—C. Smith, 39—5th Ave., St. Thomas
3RH—Unassigned
3RI—Unassigned
3RJ—G. L. Edwards, 132 Leo Ave., Sault Ste. Marie
3RK—Unassigned
3RL—R. J. Blain, Silverdale Station
3RM—C. Riseborough, Blenheim
3RN—Unassigned
3RO—W. H. Fleming, W. Main St., Port Colborne
3RP—R. M. Blain, 5 Crombie St., Galt
3RQ—E. A. Rivest, 303 Lochiel St., Renfrew
3RR—G. L. Evans, 581 Huron St., Toronto
3RS—G. W. Grainger, 322 Clinton St., Toronto
3RT—L. Blakely, Burk's Falls
3RU—J. Metcalf, Burk's Falls
3RV—R. J. Sinclair, Box 351, Tillsonburg
3RW—G. L. Long, Melbourne
3RX—Unassigned
3RY—Unassigned
3RZ—Unassigned
3SA—Unassigned
3SB—G. H. Hainsworth, 82 Simeon St., Kitchener
3SC—Unassigned
3SD—Unassigned
3SE—H. Zilliax, Dodd St., Listowel
3SF—H. G. Peacock, Mary St., Milton
3SG—Unassigned
3SH—The Telephone City Radio Assn., Y.M.C.A. Bldg., Carling St., Brantford
3SI—H. R. Stevens, 117 Melrose Ave., Toronto
3SJ—J. R. Murray, 253 Russell Hill Rd., Toronto
3SK—A. E. Brookes, 74 Chester Ave., Toronto
3SL—H. M. Smith, 516 Albert St., Sault Ste. Marie
3SM—W. H. Brown, 284 Coxwell Ave., Toronto
3SN—C. G. Stevenson, 338 S. Christiana St., Sarnia
3SO—Unassigned
3SP—H. S. Matthews, 50 Lorne Ave., Brantford
3SQ—Unassigned
3SR—G. H. Mimms, 380 Concord Ave., Toronto
3SS—Unassigned
3ST—F. A. Taylor, 34 Greenlaw Ave., Toronto
3SU—V. L. Liescner, 44 Bond St., Galt
3SV—G. M. Jebb, 396 Concord Ave., Toronto
3SW—Unassigned
3SX—W. R. McLachlan, 33 Burlington Crescent, Toronto
3SY—Unassigned
3SZ—A. C. Pack, 24 Gormley Ave., Toronto
3TA—J. C. Eichenberg, Concession St. W., Tillsonburg
3TB—N. W. Roome, 330 Wolfe St., London
3TC—A. D. McGiffin, 161 James St., Ottawa
3TD—S. Acornley, 30 St. Georges Ave., Sault Ste. Marie
3TE—Unassigned
3TF—F. Miles, 259 Westmoreland Ave., Toronto
3TG—S. G. McClenahan, 55 Argyle Ave., Ottawa
3TH—H. R. Newcombe, 69 Head St., Simcoe
3TI—H. Urquhart, 2191 Queen St. E., Toronto
3TJ—A. E. Orvell, 52 Union St. W., Kingston
3TK—W. E. J. White, 359 Glenlake Ave., Toronto
3TL—A. F. Habgood, 276 Lundy's Lane, Niagara Falls
3TM—R. W. Ross, 213 Talbot St. W., Leamington
3TN—R. Ansell, 105 Ontario St., St. Catharines
3TO—F. C. Bentley, 155½ Euclid Ave., Toronto
3TP—Unassigned
3TQ—J. P. Beaty, 133 Ulster St., Toronto
3TR—M. G. Fliegehen, 37 Grenadier Rd., Toronto
3TS—Unassigned
3TT—C. R. Hill, 20 Hillcrest Rd., Weston
3TU—A. H. Blevis, 23 Oxford St., Toronto
3TV—Unassigned
3TW—F. E. Holliday, 66 Walmsley Blvd., Toronto
3TX—G. Gauld, 26 Bay St. S., Hamilton
3TY—H. S. Gowan, 120 King St. W., Kitchener
3TZ—Unassigned
3UA—D. G. Halnes, 677 Broadview Ave., Toronto
3UB—H. F. English, Supt. Res., Ontario Hosp., Hamilton
3UC—Unassigned
3UD—J. C. Law, 9½ Locust St., St. Thomas
3UE—H. W. Wilson, 26 Gladstone Ave., Windsor
3UF—Unassigned
3UG—S. A. Thompson, 208 Herkimer St., Hamilton
3UH—Canadian Nat'l Carbon Co., Ltd., 46 Lauder, Toronto
3UI—J. S. Boyd, 89 Talbot St. N., Simcoe
3UJ—F. Howe, 493 King St., London
3UK—H. A. Hammond, Richmond Hill
3UL—T. K. Rodger, 314 Nelson St., Sudbury
3UM—C. Gorth, 33 Ainslie St., Galt
3UN—J. G. Galloway, 15 Chestnut Ave., Brantford
3UO—Y.M.C.A., Toronto Central Branch, Toronto
3UP—Unassigned
3UQ—A. E. Wilkinson, 53 Triller Ave., Toronto
3UR—E. Fenn, 15 Gilholm Ave. W., Galt
3US—R. A. Batten, 30 Wychwood Park, Toronto
3UT—W. & G. Brown, 50 Radford Ave., Toronto
3UU—J. R. White, 504 King St., London
3UV—L. W. Ray, 4 Carling Ave., Toronto
3UW—Unassigned
3UX—C. T. Crofts, 267 Cannon St. E., Hamilton
3UY—S. Syvilski, 362 E. Brock St., Fort William
3UZ—H. R. Springer, 716 Dovercourt Rd., Toronto
3VA—A. F. Rouse, 16 Havill St., Galt
3VB—E. J. Young, 724 Dovercourt Rd., Toronto
3VC—E. M. Manning, 23 Nanton Ave., Toronto
3VD—Unassigned
3VE—Unassigned
3VF—W. J. Palmer, 691 Brock Ave., Toronto
3VG—H. W. J. Coomb, 859 Carlton Ave., Toronto
3VH—A. R. Williams, 56 Madison Ave., Toronto
3VI—J. McIntosh, Jr., 68 Bruce St., London
3VJ—H. H. Hagen, 125 Dorothy St., Welland
3VK—C. A. Chinn, 1576 Queen St. W., Toronto
3VL—L. S. Harland, Box 31, O.A.C., Guelph
3VM—Unassigned
3VN—Unassigned
3VO—J. P. Henderson, Dominion Observatory, Ottawa
3VP—A. B. MacKenzie, 373 Palmerston Blvd., Toronto
3VQ—Unassigned
3VR—J. M. Paquin, 787 Queen St. W., Toronto
3VS—Unassigned
3VT—W. A. Fisher, Orange St., Coburn
3VU—M. C. Shearing, Broadway St., Tillsonburg
3VV—J. S. Burkitt, Madoc
3VW—E. Joiner, Ostrander
3VX—J. H. Volter, 25 Wyatt St., London
3VY—R. D. Ramsay, 175 Carlton St., Toronto
3VZ—Unassigned
3WA—N. L. Bonnell, 10 Olive Ave., Toronto
3WB—H. J. Harkley, 2355 Dundas St. W., Toronto
3WC—W. G. Barber, Apt 18, 31 Melbourne Ave., Toronto
3WD—N. Joiner, R.R. No. 1, Ostrander
3WE—Unassigned
3WF—L. J. Roy, 1086 Bathurst St., Toronto
3WG—H. R. Peal, 25 Robinson Ave., Guelph
3WH—G. A. Lynn, 23 Howie Ave., Toronto
3WI—A. N. Suhler, 116 Blanche St., Sarnia
3WJ—Unassigned
3WK—A. G. Palmer, 44 Dixon Ave., Toronto
3WL—D. S. Jackson, Preston
3WM—E. E. Crane, 1246 Pape Ave., Todmorden, Toronto
3WN—C. J. E. Willstock, Long Branch
3WO—C. R. Vaughan, 59 Melville Ave., Toronto
3WP—L. E. Daykin, Box 547, Leamington
3WQ—E. M. Hess, Hastings
3WR—Unassigned
3WS—S. G. Vigars, 355 Dufferin St., Port Arthur
3WT—C. H. Alexander, 153 Bedford Rd., Toronto
3WU—H. Earnshaw, 32 East Bend Ave. N., Hamilton
3WV—A. J. Beyon, 4 Lorne Ave., Collingwood
3WW—Unassigned
3WX—R. C. Hunt, 595 Sandwich St., Sandwich.
3WY—W. M. Goring, 254 Bridge St., Niagara Falls
3WZ—Unassigned
3XA—R. G. Campbell, 113 Balmoral Ave., Toronto
3XB—C. P. Welch, Alvinston
3XC—J. H. Hart, 141 Bigging Ave., Sault Ste. Marie
3XD—Unassigned
3XE—A. Carwithen, 50 Westlake Ave., Toronto
3XF—Unassigned
3XG—Unassigned
3XH—W. C. Downing, 110 Lisgar St., Toronto
3XI—J. E. Hayne, 303 N. Brock St., Sarnia
3XJ—Unassigned
3XK—J. W. Rowson, Box 724, King St. W., Ingersoll
3XL—W. C. Lock, 333 Orange St., Leamington
3XM—W. D. Gledhill, 403 Salem Ave., Toronto
3XN—C. H. Langford, 258 Cheapside St., London
3XO—E. M. Wilson, in village of Saltford, Goderich
3XP—H. T. Baxted, 83 Mulberry Ave., Toronto
3XQ—Unassigned
3XR—J. M. Aitchinson, Norfolk Golf & Cn'try Club, Simcoe
3XS—H. Noble, 619 St. Clarens Ave., Toronto
3XT—A. S. Bray, Lot 12, West 7th, Midland
3XU—A. Sheppard & F. H. Blackburn, 70 Rideau Terrace, Ottawa
3XV—F. Fecteau, 108 Berkeley St., Toronto
3XW—D. W. Sparling, 40 Foxbar Rd., Toronto
3XX—L. G. Troup, R.R. No. 1, Port Colborne
3XY—J. W. Sale, 172 Sandwich St. E., Ford
3XZ—W. G. Pettit, 180 Kent St., Port Colborne
3YA—I. L. McKenzie, 129 Stanley Ave., Hamilton
3YB—W. F. Jones, Lorne St., Thessalon
3YC—C. Jackson, 120—1st Avenue, Niagara Falls
3YD—D. J. Vallee, Box 503, Tillsonburg
3YE—Unassigned
3YF—T. C. VanAlstyne, 26 Dennison Ave., Weston
3YG—J. B. Neeve, 36 St. Clair W., Toronto
3YH—C. Robinson, 23 Scott St., Kitchener
3YI—E. T. Shobridge, 102 Tecumseh Ave., Toronto
3YJ—C. J. Sweet, Box 341, Port Colborne
3YK—Unassigned
3YL—H. H. Berry, 18 Toronto St., Guelph
3YM—Unassigned
3YN—Unassigned
3YO—Unassigned
3YP—H. S. MacBride, 331 Delaware Ave., Toronto
3YQ—Unassigned
3YR—H. E. LeMasurier, 17 Clarke St., Toronto
3YS—Unassigned
3YT—Unassigned
3YU—Unassigned
3YV—Unassigned
3YW—J. M. Wallace, 148 Springhurst Ave., Toronto
3YX—C. J. Paisley, 627 Glebeholme Blvd., Toronto
3YY—Unassigned
3YZ—B. Stoner, Lot No. 4, Denfield
3ZA—W. E. Nesbitt, 16 Oak St., Merriton
3ZB—J. A. Varey, 17 Napier St., St. Catharines
3ZC—F. L. Brearley, 120 Paisley St., Guelph
3ZD—F. C. Rutherford, 111 Queen St., St. Catherines
3ZE—H. A. Coutice, 3317 Danforth Ave., Toronto
3ZF—S. Kells, 218 Dalhousie St., Brantford
3ZG—Unassigned
3ZH—J. C. E. Holmes, 338 Somerset St., Ottawa
3ZI—W. R. Fellows, Jr., Talbot St., Blenheim
3ZJ—Unassigned
3ZK—Unassigned
3ZL—F. G. Sutton, 114 Arundel Ave., Toronto
3ZM—S. L. O'Neil, Charles St., Point Edward
3ZN—Sudbury Technical & Mining School, Sudbury
3ZO—Unassigned
3ZP—R. Harvey, 560 Ontario St., London
3ZQ—The Southern Ont. Radio Assn., 20 Ferry St., Windsor
3ZR—G. Crawford, 78 Clyde St., Hamilton
3ZS—J. A. Hutchison, 417 Davisville Ave., Toronto
3ZT—W. D. Nesbit, 31 Foxley St., Toronto
3ZU—Unassigned
3ZV—S. W. Pearce, Golden Ave., South Porcupine
3ZW—C. A. Beach, Cornwall
3ZX—J. W. Corbett, 573 Euclid Ave., Toronto
3ZY—C. P. Warren, 491 Wellington St., E. Sarnia
3ZZ—Unassigned

Fourth District

Includes Manitoba, Saskatchewan and Alberta.

4AA—H. N. Stovin, 4th Ave., Unity, Sask.
4AB—D. C. Jones, Vulcan, Alta.
AC—E. A. Anderson, 54 New St. E., Calgary, Alta.
AD—W. M. Cummings, 391 Simcoe St., Winnipeg, Man.
AE—Unassigned
4AF—J. L. Binder, 522 Avenue H. S., Saskatoon, Sask.
4AG—G. F. W. Reynolds, 457 Spence St., Winnipeg, Man.
4AH—F. G. A. Makepeace, 9506—77th Ave., Edmonton, S., Alta.
4AI—Unassigned
4AJ—J. F. Hill, 2990 Albert St., Regina, Sask.
4AK—F. J. North, 293 Martin Ave., Elmwood, Winnipeg, Man.
4AL—F. Meadows, Jr., 577 Hochelaga, E., Moose Jaw, Sask.
4AM—Unassigned
4AN—W. F. Wolfe, Elk Point, Vermillion, Alta.
4AO—W. R. Pottle, 1164 Willow Ave., Moose Jaw, Sask.
4AP—R. D. Lister, 290 Martin Ave., Winnipeg, Man.
4AQ—R. E. Middleton, 3002 14th Ave., Regina, Sask.
4AR—C. V. Antenbring, 27 Atlantic Ave., Winnepeg, Man.
4AS—E. West, 807 Corydon Ave., Winnipeg, Man.
4AT—Unassigned
4AU—M. R. Smith, 30 Hart Ave., Winnipeg, Man.
4AV—R. E. Allan, 660 Jessie Ave., Winnipeg, Man.
4AW—G. A. Humphries, 78 Cote St., St. Boniface, Man.
4AX—A. V. Evans, 1507 22nd Ave., W. Calgary, Alta.
4AY—Unassigned
AZ—W. G. Speechly, 232 Home St., Winnipeg, Man.
4BA—W. B. McLellan, 677 Mulvey Ave., Winnipeg, Man.
4BB—A. K. Mather, 1051 Willow Ave., Moose Jaw, Sask.
4BC—Prince Albert Radio Club, Prince Albert, Sask.
4BD—Unassigned
4BE—L. H. W. Ruck, 1863 Midmar Ave., Brooklands, Win.
4BF—E. Brewer, 1824 College Ave., Brandon, Man.
4BG—J. Macklem, 1123 Ave. E., N. Saskatoon, Sask.
4BH—R. F. Bonnett, 101 Cathedral Ave., Winnipeg, Man.
4BI—E. S. Riley, 704 18th St., Brandon, Man.
4BJ—L. V. Platt, Padding Lake P. O., Shellbrook, Sask.
4BK—A. G. Pugh, 675 Machray Ave., Winnipeg, Man.
4BL—J. M. F. Wilson, 10 Glanburn Apts., Corydon Ave., Winnipeg, Man.
4BM—W. C. Gordon, Box 354, Portage la Prairie, Man.
4BN—C. J. Dee, 919 Fairford St. E., Moose Jaw, Sask.
4BO—J. N. Gladden, 9314—81st Ave., Strathcona, Alta.
4BP—J. H. Cuthbert, Jr., 350 Robert Ave., E. Kildonan, Man.
4BQ—J. E. Young, 627 2nd Ave. NW., Calgary, Alta.
4BR—G. J. Shadick, 2079 Rae St., Regina, Sask.
4BS—Unassigned
4BT—G. D. Main, 113 Bryce St., Ft. Rouge, Winnipeg, Man.
4BU—A. Roszell, 883 Grey Ave., Moose Jaw, Sask.
4BV—P. and K. Socolofsky, Loreburn, Sask.
4BW—Unassigned
4BX—E. G. Eggertson, 766 Victor St., Winnipeg, Man.
4BY—B. W. Allen, Douglas Bl., Whyte Ave., Edmonton, Alta.
4CA—L. C. McKenzie, Darmody, Sask.
4CB—E. L. Maynard, Morse, Sask.
4CC—E. Lachapelle, Grand Prairie City, Alta.
4CD—Unassigned
4CE—Unassigned
4CF—W. R. O'Neill, 67 Inkster Ave., Winnipeg, Man.
4CG—G. H. Perry, Tuxedo Military Bar, Winnipeg, Man.
4CH—R. H. Ross, 638 Jubilee Ave., Winnipeg, Man.
4CI—Unassigned
4CJ—D. J. H. Leitch, 279 Cathedral Ave., Winnipeg, Man.
4CK—M. J. C. Cazier, 736 Jessie Ave., Winnipeg, Man.
4CL—P. A. Field, 10434 69th Ave., Edmonton, Alta.
4CM—J. J. Street, 334 Wellington Cr., Winnipeg, Man.

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4CN—T. Goodmanson, 14 Claremont Ct., Ellis Ave., Winnipeg, Man.
4CO—E. L. Nicolson, 397 Burnell St., Winnipeg, Man.
4CP—T. T. Fyfe, 1020 Avenue B, N., Saskatoon, Sask.
4CQ—Unassigned
4CR—B. G. Jones, 588 Lipton St., Winnipeg, Man.
4CS—F. G. Hubbard, 204 Bell Ave., Winnipeg, Man.
4CT—Unassigned
4CU—Unassigned
4CV—H. W. G. Kirk, 335 Home St., Winnipeg, Man.
4CW—B. C. Cool, 1601 23rd Ave. NW., Calgary, Alta.
4CX—A. F. J. Heather, 263 Burrows Ave., Winnipeg, Man.
4CY—A. Tomlinson, 808 7th Ave. W., Calgary, Alta.
4CZ—F. Stevenson, 736 St. Matthew Ave., Winnipeg, Man.
4DA—W. J. Walker, 628 17th Ave. W., Calgary, Alta.
4DB—T. P. Wolfe, Elk Point, Alta.
4DC—E. W. Rutherford, 409 Lipton St., Winnipeg, Man.
4DD—Unassigned
4DE—F. E. Ruthland, Jr., 452 St. John Ave., Winnipeg.
4DF—E. M. Jarvis, 1215 Bannatyne Ave., Winnipeg, Man.
4DG—W. R. Hart, 411 18th St. W., Prince Albert, Sask.
4DH—Unassigned
4DI—E. B. Tuck, 479 Raglan Rd., Winnipeg, Man.
4DJ—G. W. Parkinson, Box 312, Yorkton, Sask.
4DK—A. J. R. Simpson, 408 McGee St., Winnipeg, Man.
4DL—J. Green, Jr., Strathclair, Man.
4DM—W. L. Martin, 2920 Regina Ave., Regina, Sask.
4DN—L. D. Smith, 246 Oxford St. W., Moose Jaw, Sask.
4DO—Unassigned
4DP—J. Francis, Indianhead, Sask.
4DQ—A. J. Ober, Cor. Minerva and Main, Vulcan, Alta.
4DR—Unassigned
4DS—Unassigned
4DT—R. S. Strong, 27 Frederick Ave., St. Vital, Man.
4DU—Unassigned
4DV—T. H. Forman, 2119 7th Ave. NW., Calgary, Alta.
4DW—S. T. Fisher, 10953 123rd St., Edmonton, Alta.
4DX—J. A. Girvin, 34 Mager Dr., St. Vital, Man.
4DY—S. G. Paterson, 612 Beresford Ave., Winnipeg, Man.
4DZ—Unassigned
4EA—E. Dusang, 487 Rosedale Ave., Winnipeg, Man.
4EB—10th Signal Co., C.S.C., Room 13, Minto St. Barracks, Winnipeg, Man.
4EC—Unassigned
4ED—Unassigned
4EE—Unassigned
4EF—A. F. Irwin, 155 Stadacona St. W., Moose Jaw, Sask.
4EG—W. V. Honeysett, Box 107, Strasbourg, Sask.
4EH—Unassigned
4EI—C. R. Smith, Box 137, Banff, Alta.
4EJ—Unassigned
4EK—E. V. Hunt, 68 Tache Ave., Norwood, St. Boniface, Man.
4EL—W. R. Seaborn, 1106 Clifton Ave., Moose Jaw, Sask.
4EM—H. T. House, 662 Hochelaga W., Moose Jaw, Sask.
4EN—W. G. Alexander, 577 Athabasca St., W., Moose Jaw
4EO—T. H. Holtby, 476 Hochelaga St., Moose Jaw, Sask.
4EP—L. B. Gieser, 1113 Grafton Ave., Moose Jaw, Sask.
4EQ—J. Moyse, 334 College Ave., Winnipeg, Man.
4ER—D. B. Stewart, 829 4th Ave. NW., Moose Jaw, Sask.
4ES—O. Sisson, 5 1st St., Medicine Hat, Alta.
4ET—Unassigned
4EU—G. E. S. Taylor, 175 Athabasca St. W., Moose Jaw.
4EV—J. H. Shielair, 933 Stadacona St. E., Moose Jaw.
4EW—R. K. Campbell, 1121 Willow Ave. NE., Moose Jaw.
4EX—P. W. Shackleton, Olds, Alta.
4EY—W. S. Weber, Landis, Sask.
4EZ—H. N. Steven, Stenen, Sask.
4FA—H. R. Grimes, Box 21, 26 W. 2nd, St. Louis, Sask.
4FB—Unassigned
4FC—W. J. Piekering, 514 19th St. W., Prince Albert, Sask.
4FD—E. W. Burke, 10109 124th St., Edmonton, Alta.
4FE—Unassigned
4FF—Unassigned
4FG—F. E. Vincent, 1712 Frederick. N., Rattleford, Sask.
4FH—P. Pride, 229 Oxford St., Prince Albert, Sask.
4FI—Unassigned
4FJ—D. G. M. Fraser, 1235 14th Ave. W., Calgary, Alta.
4FK—H. E. Stevenson, 128 Edmonton St., Winnipeg, Man.
4FL—A. Matz, 11503 88th St., Edmonton, Alta.
4FM—C. F. B. Waddington, Box 51, Churchbridge, Sask.
4FN—G. Stevenson, 600 Queen St., Saskatoon, Sask.
4FO—Unassigned
4FP—C. W. Cooper, 1018 Chestnut Ave., Moose Jaw, Sask.
4FQ—R. Punshon, 1118 8th St. E., Calgary, Alta.
4FR—C. McKinnon, 2208 McIntyre St., Regina, Sask.
4FS—Unassigned
4FT—C. Underwood, 536 13th Ave., Calgary, Alta.
4FU—Unassigned
4FV—L. H. Perras, 2034 Albert St., Regina, Sask.
4FW—R. A. Skeele, Lajord, Sask.
4FX—G. C. White, 1221 11th Ave. W., Calgary, Alta.
4FY—R. Lees, 122 Ominica St. W., Moose Jaw, Sask.
4FZ—R. J. McLean, Sub. 16, Winnipeg, Man.
4GA—G. C. Hamilton, 9827—103d St., Edmonton, Alta.
4GB—Unassigned
4GC—H. E. Bedingfield, 6th St. W., High River, Alta.
4GD—J. W. Thornton, 2226 Amherst St. ???? ???? ??
4GE—Unassigned
4GF—H. W. Wardle, Qu'Appelle, Sask.
4GG—J. H. Tatosky, Lake Eliza, Alta.
4GH—P. H. Jones, Buchanan, Sask.
4GI—E. J. Taylor, 10107 87th Ave., Edmonton, Alta.
4GJ—S. A. Leak, 126 11th Ave. NW., Calgary, Alta.
4GK—P. C. Stewart, 1086 Alder Ave., Moose Jaw, Sask.
4GL—Unassigned
4GM—Unassigned
4GN—K. W. F. Cooper, 826 River St. W., Prince Albert.
4GO—G. J. Strachey, 3508 21st St. SW. Calgary, Alta.
4GP—D. L. Richards, 11 New St. E., Calgary, Alta.
4GQ—E. S. Hilts, Box 12, 1510 2nd St., Estevan, Sask.
4GR—L. A. J. Dadswell, 120 12th St. W., Prince Albert.
4GS—N. B. Eddleston, 8723 101A Ave., Edmonton, Alta.
4GT—A. Asmussen, 1713 College Lane, Calgary, Alta.
4GU—R. G. Hider, 9814 86th Ave., Edmonton, Alta.
4GV—Unassigned
4GW—Unassigned
4GX—J. S. Laurie, 157 Tupper St. N., Portage La Prairie, Man.
4GY—Unassigned
4GZ—A. Desharnais, Acme, Alta.
4HA—Unassigned
4HB—H. L. Hamersley, 524 Spadina Cr. E., Saskatoon.
4HC—D. G. Sissons, 5 1st St., Medicine Hat, Alta.
4HD—Unassigned
4HE—E. C. Strachey, 3508 21st St. SW., Calgary, Alta.
4HF—E. Sacker, 11822 78th St., Edmonton Alta.
4HG—B. C. Thomson, 2141 Victoria Ave., Regina, Sask.
4HH—J. E. Brickett, 260 Athabasca St. E., Moose Jaw.
4HI—D. Matushynee, Davidson, Sask.
4HJ—H. Mortimer, Outlook, Sask.
4HK—G. C. M. Lewis, 2227 16th St. E., Calgary, Alta.
4HL—L. S. Russell, 2005 35th Ave. W., Calgary, Alta.
4HM—Unassigned
4HN—Unassigned
4HO—H. S. Bell, 624 10th Ave. NE., Moose Jaw, Sask.
4HP—A. Taylor, C. P. R. Station, Waskada, Man.
4HQ—N. T. Peters, R. C. M. P. Barracks, Prince Albert.
4HR—G. B. Lenton, 88 Robinson St., Winnipeg, Man.
4HS—Unassigned
4HT—L. G. McGee, 164 3rd St. SW., Medicine Hat, Alta.
4HU—J. Woslyng, Box 177, Cardston, Alta.
4HV—H. L. Paine, 960 Montgomery St., Moose Jaw, Sask.
4HW—R. C. Easterbrook, Cowley, Alta.
4HX—A. B. Geddes, 610 Crescent Blvd., Calgary, Alta.
4HY—R. C. Staveley, Weyburn, Sask.
4HZ—S. W. Wilkinson, 4th Ave. W., Unity, Sask.
4IA—N. E. Stevens, 1722 28th Ave. W., Calgary, Alta.
4IB—P. D. McArthur, 208 Crescent Rd., Calgary, Alta.
4IC—W. G. Stunden, 615 9th Ave. NW., Calgary, Alta.
4ID—G. D. Roberts, 9919 83rd Ave., Edmonton, Alta.
4IE—S. J. Thompson, 4 Homer St., Winnipeg, Man.
4IF—L. H. Pladon, 122 6th Ave. W., Calgary, Alta.
4IG—L. O. Merriman, Retlaw, Alta.
4IH—H. Fischman, Darmody, Sask.
4II—F. J. Shaw, 74 Martha Ave., Nordegg, Alta.
4IJ—A. W. Lewis, 626 Skipton Rd., Moose Jaw, Sask.
4IK—B. Redfern, Box 457 Qu'Appelle, Sask.
4IL—T. F. Reach, 207 Ronald St., Sturgeon Creek, Man.
4IM—W. G. MacDonald, 1027 6th Ave. W., Calgary, Alta.
4IN—J. H. Burton, Wilcox, Sask.
4IO—W. J. Schopp, 926 5th Ave. NE., Calgary, Alta.
4IP—J. A. O'Connor, Suite, 5, St. Elmo Apts., Winnipeg
4IQ—H. A. Donwton, Railway Ave., Wilcox Sask.
4IR—R. G. Borton, 2 Eastwood, Edmonton, Alta.
4IS—W. H. Carkner, 139 Frederick St., Brandon, Man.
4IT—C. S. Eastham, 811—9a St., NW., Calgary, Alta.
4IU—S. A. Tomlin, 2260 Pasqua St., Regina, Sask.
4IV—W. H. Randall, 1119—3d Ave., NE., Moose Jaw, Sask.
4IW—S. J. Raker, 1083 1st Ave. NE., Moose Jaw, Sask.
4IX—A. Townsend, Milestone, Sask.
4IY—G. Oliver, 2227 Edward St., Regina, Sask.
4IZ—H. A. Chappell, 780 Alverstone St., Winnipeg, Man.
4JA—C. N. Hoyler, 9857 84th Ave., Edmonton, Alta.
4JB—Unassigned
4JC—G. S. Robinson, 11334 63rd St., Edmonton, Alta.
4JD—W. Bock, Box 28, Landis, Sask.
4JE—M. R. Smith, Centre St., Gimli, Man.
4JF—J. J. Dobry, 10023 116th St., Edmonton, Alta.
4JG—J. Dunn, Box 575, N. Edmonton, Alta.
4JH—F. D. Barnes, 11328 94th St., Edmonton, Alta.
4JI—C. Beecher Ogilvie, Man.
4JJ—T. H. Payne, 159 Park St., Kirkfield Park, Man.
4JK—W. Brennan, 7848 118th Ave., Edmonton, Alta.
4JL—T. J. Savage, Piapot, Sask.

Fifth District

Includes British Columbia, Yukon and Northwest Territories.

5AA—F. F. Cooper, James Island, B.C.
5AB—W. E. Nelson, 221 Queensboro, New Westmin'r, B.C.
5AC—R. C. Bodie, 1290—11th Ave. W., Vancouver, B.C.
5AD—R. Balie, Cloverdale, B.C.
5AE—F. Fong, 426 Hasting St. E., Vancouver, B.C.
5AF—G. L. McComb, 728—6th Av., New Westminster, B.C.
5AG—V. F. Allardyce, 974—12th Ave. W., Vancouver, B.C.
5AH—C. E. Longley, 3351 Quebec Pl., Vancouver, B.C.
5AI—E. C. Bayliss, 1037 Pendergast St., Victoria, B.C.
5AJ—A. V. Thomas, Emp. Theatre Bldg., Vanc'ver N., B.C.
5AK—J. T. North, Jr., 2017—15th Av. W., Vancouver, B.C.
5AL—J. K. Cavalsky, P. O. Box 194, Nanaimo, B.C.
5AM—K. Newton, Alexis Creek P. O., B.C.
5AN—F. P. Sparks, 829—14th Ave. E., Vancouver, B.C.
5AO—G. L. Booth, 233 Pridcaux St., Nanaimo, B.C.
5AP—G. R. Robinson, 956—19th Ave. W., Vancouver, B.C.
5AQ—P. G. Hemsworth, 932—17th Ave. E., Vancouver, B.C.
5AR—W. G. MacPherson, 1936—7th Ave., Vancouver, B.C.
5AS—C. E. Trott, Reece Ave. & Robson, Chilliwack, B.C.
5AT—A. D. Baillie, Port Hammond, B.C.
5AU—C. Lyle, 1331 Granville St., Vancouver, B.C.
5AV—W. A. Jones, 2085—6th Ave. W., Vancouver, B.C.
5AW—W. L. Geary, Whitehorse, Yukon
5AX—G. Lyons, 1300 Robson St., Vancouver, B.C.
5AY—H. D. Clark, River Jordon, B.C.
5AZ—Dept. of Physics, Univ. of B. C., Vancouver, B.C.
5BA—W. B. Patrick, Jr., 1930—16th Ave., Vancouver, B.C.
5BB—G. J. W. Valentine, 535—13th Av. E., Vancouver, B.C.
5BC—H. S. Telford, 2655—37th Ave. W., Vancouver, B.C.
5BD—C. G. L. Reid, 4675 Kingsway, Burnaby, B.C.
5BE—J. F. Tener, Jr., Drill Hall, 172nd Rocky Mountain Rangers, Armstrong, B.C.
5BF—Unassigned
5BG—W. G. Lloyd, 834 Seymore St., Vancouver, B.C.
5BH—Unassigned
5BI—Unassigned
5BJ—E. S. Brooks, 1149—23d Ave. E., Vancouver, B.C.
5BK—W. C. Orchard, Kaslo, B.C.
5BL—Unassigned
5BM—S. A. Woods, 1420—7th Ave. E., Vancouver, B.C.
5BN—H. L. A. Tarr, 342—17th St. E., Vancouver, B.C.
5BO—R. E. V. Pottruff, Port Alberni, Victoria, B.C.
5BP—R. I. Freeman, 5379 Elm, Kerrisdale, Vancouver, B.C.
5BQ—Wah Sun, 554 Cordova St., Vancouver, B.C.
5BR—W. D. Wood, Connaught Drive & Rodwell Rd., Shaughnessy Heights, Vancouver, B.C.
5BS—Unassigned
5BT—J. R. Fielding, George Park, Victoria, B.C.
5BU—R. H. Kirkham, 962—21st Ave. E., Vancouver, B.C.
5BV—Unassigned
5BW—G. H. Dunn, Lot 15, Block 6, Reg. Plan 348, Kelowna, B.C.
5BX—K. M. Durkee, Suite 15, Shaughnessy Mansions, 3046 Granville St., Vancouver, B.C.
5BY—R. J. Sprott, N. Arm of Burrard Inlet, Vanc'ver, B.C.
5BZ—W. J. Frampton, 3132 Harriet Rd., Victoria, B.C.
5CA—J. F. Whalen, 2036—15th Ave. W., Vancouver, B.C.
5CB—N. J. Smith, 902 Cook St., Victoria, B.C.
5CC—R. A. Chute, 121 Nicola St., Kamloops, B.C.
5CD—G. Newmarch, 1439 Comox St., Vancouver, B.C.
5CE—N. A. Hughes, 1034 Nicola St., Vancouver, B.C.
5CF—C. S. Dudley, Queen Charlotte City, B.C.
5CG—G. Kerr, 895 Borden St., Prince Rupert, B.C.
5CH—P. T. Black, Central Hotel, Prince Rupert, B.C.
5CI—R. Madill, Richard St., Hammond, B.C.
5CJ—C. H. D. Hill, 2133 Cedar St., Vancouver, B.C.
5CK—D. R. Heritage, 8716 Knight Rd., Vancouver, B.C.
5CL—V. P. Copeland, 728—6th Av., New Westminster, B.C.
5CM—R. Baird, 1847 Broadway W., Vancouver, B.C.
5CN—C. O. West 3290 Granville St., Shaughnessy Heights, Vancouver, B. C.
5CO—A. W. Tervo, 1325 Johnson St., Victoria, B.C.
5CP—E. W. Neilson, 705—17th Ave. E., Burnaby, B.C.
5CQ—Unassigned
5CR—Unassigned
5CS—Unassigned
5CT—W. F. Reeves, Tel. Operator C.P.R., Duncan, B.C.
5CU—Unassigned
5CV—Unassigned
5CW—Unassigned
5CX—G. C. Bulger, Box 1575, 3d Ave. & 6th St., Prince Rupert, B.C.
5CY—J. G. M. Lock, 1026 Park Blvd., Victoria, B.C.
5CZ—S. V. Crompton, Assay Office, Brittannia Beach, B.C.
5DA—Unassigned
5DB—Unassigned
5DC—Unassigned
5DD—Unassigned
5DE—G. Donavia, 1141 Rockland Ave., Victoria, B.C.
5DF—J. R. Humble, 2448 Granville St., Vancouver, B.C.
5DG—J. Peck, 417 Queens Ave., New Westminster, B.C.
5DH—H. B. Elworthy, 47 Menzies St., Victoria, B.C.
5DI—R. Black, 2950 Albina St., Victoria, B.C.
5DJ—Unassigned
5DK—Unassigned
5DL—J. W. Watson, 3724 Chaffey St., Burnaby, B.C.
5DM—H. E. Walsh, 2691—43d Ave. W., Vancouver, B.C.
5DN—J. A. L. Adamson, 1155 Monterey Ave., Oak Bay, Victoria, B.C.
5DO—Unassigned
5DP—E. P. Mason, 4968 Commercial, S., Vancouver, B.C.
5DQ—J. Blair, Chase, B.C.
5DR—Unassigned
5DS—A. G. Garrick, 4134—14th Ave. W., Vancouver, B.C.
5DT—Unassigned
5DU—F. Saunders, 2905 Hemlock St., Vancouver, B.C.
5DV—J. W. Kinnarny, 6285 Prince Albert, Vancouver, B.C.
5DW—R. M. Morton, 3148—2d Ave., Vancouver, B.C.
5DX—Unassigned
5DY—Unassigned
5DZ—R. M. Taylor, 1055 Wolfe Ave., Shaughnessy Heights, Vancouver, B.C.
5EA—D. Jenkins, 416 Lyons Pl., North Vancouver, B.C.
5EB—C. G. Trotter, 1886—12th Ave. W., Vancouver, B.C.
5EC—E. B. Marshall, 23—14th Ave. W., Vancouver, B.C.
5ED—C. H. Patrick, 1440 Clifford St., Victoria, B.C.
5EE—J. S. Cull, 1137 Balfour Ave., Vancouver, B.C.
5EF—Unassigned
5EG—E. H. Harris, 1347 Vining St., Victoria, B.C.
5EH—H. E. Parsons, 4172 Welwyn St., S. Vancouver, B.C.
5EI—H. K. Bamford, 1902 Blenheim Rd., Vancouver, B.C.
5EJ—W. G. Crisp, 1451 Balfour Ave., Vancouver, B.C.
5EK—W. H. Brakes, 859 Queens Ave., Victoria, B.C.
5EL—C. E. Carver, 928 Selkirk Ave., Victoria, B.C.
5EM—D. R. V. Blair, 1550 Harwood St., Vancouver, B.C.
5EN—W. E. Magee, 1922—8th Ave. W., Vancouver, B.C.
5EO—W. H. Morris, 1906—15th Ave. W., Vancouver, B.C.
5EP—H. R. L. Michelmore, 51—26th. E., S. Vanc'ver, B.C.
5EQ—H. B. Mowatt, 3550—1st Ave. W., Vancouver, B.C.
5ER—Unassigned
5ES—H. F. Hanna, 1324—18th Ave. E., Vancouver, B.C.
5ET—H. P. Weaver, Chase, B.C.
5EU—H. V. Warren, 925 Nicola St., Vancouver, B.C.
5EV—W. E. A. Chatwin, 2061—3d Ave. E., Vancouver, B.C.
5EW—Unassigned
5EX—Unassigned
5EY—Unassigned
5EZ—R. B. Lamb, 1356—11th Ave. W., Vancouver, B.C.
5FA—W. F. Humphrey, 1916—7th Av. W., Vancouver, B.C.
5FB—Unassigned
5FC—Unassigned
5FD—J. B. Collin, 4462 John St., Vancouver, B.C.
5FE—Unassigned
5FF—J. L. McKeever & V. R. Dafoe, Box 210, Spokalake Rd., Penticton, B.C.
5FG—Unassigned
5FH—W. H. Breeden, 6145 Balsam St., Vancouver, B.C.
5FI—F. J. Neilson, 208 Agnes St., New Westminster, B.C.
5FJ—Unassigned
5FK—E. E. Robson, 201 Broadway W., Vancouver, B.C.
5FL—L. L. Weir, 543—17th Ave. W., Vancouver, B.C.
5FM—R. K. Town, 408—6th Ave. W., Vancouver, B.C.
5FN—O. K. Honeyford, 155—6th Ave. W., Vancouver, B.C.
5FO—S. F. Kelly, 6389 McDonald St., Vancouver, B.C.
5FP—A. W. Mark, 707 Agnes St., New Westminster, B.C.
5FQ—B. W. Mugford, 2235 Ontario St., Vancouver, B.C.
5FR—J. M. Buck, 2233 Columbia St., Vancouver, B.C.
5FS—Unassigned
5FT—Unassigned
5FU—E. A. Westlake, 9686 Oak St., Marpole, B.C.
5FV—W. G. Crisp, Shawhigan Lake School, Shawinigan Lake, B.C.
5FW—F. H. Curran, 1336 Pendrell St., Vancouver, B.C.
5FX—C. G. Greyell, Vernon, B. C.
5FY—Unassigned
5FZ—W. S. Purvis, 1330 Pendrell St., Vancouver, B.C.
5GA—Unassigned
5GB—R. Barlow, 45th Ave. & Balsam St., Kerrisdale, B.C.
5GC—H. W. Vosper, 1616 Napier St., Vancouver, B.C.
5GD—H. V. Davis, 50 W. 2d St., Revelstoke, B.C.
5GE—E. H. Hawkins, 1451 Hamely St., Victoria, B.C.
5GF—W. J. Rowan, 1928 Pender St. E., Vancouver, B.C.
5GG—E. R. Casselman, 510—12th Ave. W., Vancouver, B.C.
5GH—W. R. Turton, 2004—36th Ave. W., Vancouver, B.C.
5GI—J. S. Fulton, 733 Oliver St., Oak Bay, B.C.
5GJ—A. S. Morrow, 1923 Waterloo Rd., Vancouver, B.C.
5GK—P. A. Leonard, 2616 Work St., Victoria, B.C.
5GL—E. H. Nunn, 959—23d Ave. W., Vancouver, B.C.
5GM—R. Elliot, 2431 Currie Rd., Oak Bay, Victoria, B.C.
5GN—K. M. Rayner, Francois Lake, Endako, B.C.
5GO—E. Chang, 466 Pender St. E., Vancouver, B.C.
5GP—L. Muir, 2761 Kitchener St., Vancouver, B.C.
5GQ—H. V. Stevens, Dartford St., Hammond, B.C.
5GR—E. Henry, Coughlan Rd., R. R. 1, S. Otter Rd., B.C.
5GS—D. Telford, 3489 Osler Ave., Vancouver, B.C.
5GT—F. E. Batt, 129—5th Ave. W. (Box 79), Prince Rupert, B.C.
5GU—Cope & Son, Ltd., 150 Hastings. W., Vancouver, B.C.
5GV—J. W. Bridge, 2027—36th Ave. W., Vancouver, B.C.
5GW—Unassigned
5GX—G. H. Coussens, 1763—8th Ave. E., Vancouver, B.C.
5GY—B.C. Radio Assn., 336 Hastings St., Vancouver, B.C.
5GZ—Unassigned
5HA—J. R. Arnold, 5989 Elm, Kerrisdale, Vancouver, B.C.
5HB—F. Elliot, 3423 Pender St. E., Vancouver, B.C.
5HC—Unassigned
5HD—S. E. Clarke, 2112—2d Ave. W., Vancouver, B.C.
5HE—Unassigned
5HF—T. West, 5849 Margarets St. S., Vancouver, B.C.
5HG—R. B. Lanskail, 1212 Pendell St., Vancouver, B.C.
5HH—Unassigned
5HI—A. E. Evans, 3317 Fleming St., Vancouver, B.C.
5HJ—W. Galpin, Whitehorse, Yukon
5HK—J. C. Moore, 1047 Johnston St., Victoria, B.C.
5HL—S. Fong, 426 Hastings St. E., Vancouver, B.C.
5HM—W. J. Moorhead, Police Barracks, Whitehorse, Yukon
5HN—G. E. Sayers, Howlson & North, Port Haney, B.C.
5HO—H. J. Cunningham, Box 20, Port Essington, B.C.
5HP—S. A. Warne, 1698—17th Av., New Westminster, B.C.
5HQ—J. W. Grice, Life Boat Station, Ramfield, B.C.
5HR—A. M. Davis, 1506 Holly St., Victoria, B.C.
5HS—C. O. I. Sawyer, 355—48th Av. E., S. Vancouver, B.C.
5HT—J. A. Storrow, 1380—23d Ave. E., Gladstone, South Vancouver, B.C.
5HU—I. D. Stoddart, 1251 Laurier Ave., Vancouver, B.C.
5HV—E. S. Cross, 1150 Harold Rd., Lynn Creek, B.C.
5HW—H. J. Thornburn, N. Maple St., Vernon, B.C.
5HX—T. George, Hammond P. O., B.C.
5HY—Unassigned
5HZ—Unassigned

Canadian Training Schools

6AA—Unassigned
6AB—Kelvin Technical High School
6AC—Mount St. Beruard College, Academy Rd. & Harrow St., Winnipeg
6AD—Vancouver Tech. High Sch., Ramsay St., Sorel, Que.
6AE—L'Academie Giroud, 411 Dunsmuir, Vancouver, B.C.
6AF—McGill University G.O.T.C., St. Hyacinthe, Que.
6AG—McGill University C.O.T.C., Montreal, Que.
6AH—Commercial & Scientific College, Montreal, Que.
6AI—Success Business College, 200 Galt Ave., Verdun, Que.
6AJ—Academie du Saere Coeur, Ranner Blk., Regina, Sask.
6AK—Canada Sch. of Telegraphy, 55 Prince St., Sorel, Que.
6AL—University of Toronto, Queen Bldg., Halifax, N.S.
6AX—St. John Technical High School, Toronto, Ont.
6AY—Frere Irenee, Church & Salter Sts., Winnipeg, Man.
6AZ—Maritime Radio Inst., 83 College St., Halifax, N.S.

www.americanradiohistory.com

Experimental Stations

9AA—T. Robb, 520 Argyle Ave., Westmount, Que.
9AB—G. Desilets, Nicolet, Que.
9AC—W. W. Grant Radio, Ltd., 511 Lougheed Blk., Calgard, Alta.
9AD—Unassigned
9AE—Unassigned
9AF—Unassigned
9AG—Unassigned
9AH—Canadian Independent Tele. Co., Toronto, Ont.
9AI—Unassigned
9AJ—R. A. H. Galbraith, 57 Regal Rd., Toronto Ont
9AK—K. S. Rogers, 53 Bayfield St., Charlottetown,P.E.I.
9AL—A. H. K. Russell, 11 Pinewood Ave., Toronto, Ont.
9AM—Marconi Wireless Telegraph Co., of Canada, Ltd., 173 William St., Montreal, Que.
9AN—J. G. Telmosse, 10 Hemlock Ave., Shawinigan Falls, Que.
9AO—Unassigned
9AP—W. K. and O. G. Mitchell, 104 Pearl, Brantford, Ont.
9AQ—Unassigned
9AR—H. Le R. Byerlay, 154 Rankin, Sandwich, Ont.
9AS—Unassigned
9AT—Acadia University, Wolfville, N.S.
9AU—University of Alberta, Edmonton, Alta.
9AV—Canadian Independent Telephone Co., Toronto, Ont.
9AW—W. C. C. Duncan, 196 Ellsworth, Toronto, Ont.
9AX—Sprott Shaw School, Vancouver, B.C.
9AY—Unassigned
9AZ—C. A. L. Lowry, 614 Manning, Toronto, Ont.
9BA—Unassigned
9BB—R. F. Moseley, 292 Carlton St., Toronto, Ont.
9BC—H. S. Gowan, 120 W. King St., Kitchener, Ont.
9BD—W. D. Woods, Room 500, Barron Hotel, Vancouver, B.C.
9BE—Unassigned
9BF—Unassigned
9BG—Unassigned
9BH—F. A. Burgess, 8 Glengrove, Toronto, Ont.
9BI—F. P. Vaughan, 269 Charlotte, St. John, NB.
9BJ—W. Y. Sloan, 167 Close Ave., Toronto, Ont.
9BK—Vimy Supply Co., 567 College St., Toronto, Ont.
9BL—F. G. O'Brien, Nova Scotia Technical College, Halifax, N.S.
9BM—Northern Electric Co., Ltd., Montreal, Que.
9BN—Marconi Wireless Telegraph Co. of Canada, Ltd., Newcastle, N.B.
9BO—J. K. Cooper, 2937—49th Ave. W., Kerrisdale, B.C.
9BP—J. Barnsley, 409 4th Ave. W., Prince Rupert, B.C.
9BQ—Unassigned
9BR—G. A. McMurtry Co., St. Thomas, Ont.
9BS—Unassigned
9BT—Queens University, Fleming Hall, Kingston, Ont.
9BU—A. E. Rea, Jr., 1. Shorncliffe Ave., Toronto, Ont.
9BV—K. S. Hall, 38 Howland Ave., Toronto, Ont.
9BW—W. J. Carter, 512 Niagara St., Windsor, Ont.
9BX—J. E. Maynard, Morse, Sask.
9BY—Unassigned
9BZ—Toronto University Elec. Engr. Dept., Toronto, Ont.
9CA—Unassigned
9CB—Unassigned
9CC—J. P. Henderson, Dominion Observatory, Ottawa, Ont.
9CD—G. W. McLain, 342 Brunswick Ave., Toronto, Ont.
9CE—Laurentide Air Service, Sudbury, Ont.
9CF—C. H. Langford, 258 Cheapside, London, Ont.
9CG—Unassigned
9CH—Unassigned
Reception Only—Northern Elec. Co., Ltd., Westmount, Que.

Amatuer Broadcasting Stations

10AA—Cape Breton Amateur Radio Assn., N. Sydney, N.S.
10AB—Moose Jaw Sr. Am. Radio Assn., Moose Jaw, Sask.
10AC—British Columbia Radio Assn., Vancouver, B.C.
10AD—Unassigned
10AE—Bowmanville Radio Club, Bowmanville, Ont.
10AF—Unassigned
10AG—Calgary Radio Club, Calgary, Alta.
10AH—New Ontario Radio Assn., Fort William, Ont.
10AI—Radio Club of Olds, Alberta, Olds, Alta.
10AJ—Tillsonburg Radio Club, Tillsonburg, Ont.
10AK—Classic Radio Club, Stratford, Ont.
10AL—Listowel Radio Club, Listowel, Ont.
10AM—St. Thomas Radio Club, St. Thomas, Ont.
10AN—Edmonton & District Radio Club, Edmonton, Alta.
10AO—Radio Club of Fredericton, Fredericton, N.B.
10AP—Ottawa Amateur Radio Assn., Ottawa, Ont.
10AQ—Niagara District Radio Assn., St. Catharines, Ont.
10AR—Dartmouth Radio Club, Dartmouth, N.S.
10AS—Radio Assn. of Charlottetown, Charlottetown, P.E.I.

Canadian Broadcasting Stations

CFAC—The Calgary Herald, Calgary, Alberta. 420 meters, 713 kilocycles. Daily ex Sun, 12:30, 3:30-4:30, 7:45-8:45 pm. Thur, 10:30 pm. Music, news, market, weatber. Mountain time.

CFCA—Star Publ, & Printing Co., 18 King St., W., Toronto, Ontario. 400 meters, 749 kilocycles. Daily ex Sun, 12 noon, 2:30-3:30 pm, 5:30-6 pm, 8-9 pm. Market, weather, meteorological reports, music and entertainment, news. Sun, 6:45 pm, music and entertainment. Eastern Standard time.

CFCF—Marconi Wireless Telegraph Co. of Canada, Ltd., Canada Cement Bldg., Phillips Square, Montreal, Que. 440 meters, 681 kilocycles. Daily 1-1:45 pm. Mon, Wed and Fri, 7:30-9:30 pm, music, weather and meteorological reports. Eastern Standard time.

CFCH—Abitibi Power & Paper Co., Ltd., Iroquois Falls, Ont. 400 meters, 749 kilocycles. Daily 9 pm, forestry information, weather, music and entertainment. Eastern Standard time.

CFCJ—La Cie de L'Evenement, 30 Fabrique St., Quebec, Que. 410 meters, 731 kilocycles. Eastern Standard time.

CFCK—Radio Supply Co., Ltd., 10229-101 St., Edmonton, Alta. 410 meters, 731 kilocycles. Daily ex Sun, 8-8:45 pm. Sun, 3:30-4:30 pm, music. Mountain time.

CFCL—Continental Methodist Church, Victoria, B. C. 400 meters, 749 kilocycles. Pacific Standard time. Slogan "Where Religion Cheers."

CFCN—W. W. Grant Radio, Ltd., 511 Lougheed Bldg., Calgary, Alta. 440 meters, 681 kilocycles. Daily 6-6:30 pm, stock and market. Mon, 11 pm to 1 am. Tues, 10:30-11:30 pm. Wed, 10 pm to 12 midnight. Sat, music and entertainment, 11 am-1 pm. Sun, 7:30-9 pm, church services. Mountain time. Slogan: "The Voice of the Prairies."

CFCO—Semmelhaack-Dickson, Ltd., Bellevue, Que. 450 meters, 666 kilocycles. Daily ex Sat and Sun, 10 pm, news and market. Sat, 9-11:30 pm, music. Sun, 9-10:30 pm, music and entertainment. Eastern Standard time.

CFCQ—Radio Specialties, Ltd., 791 Dunsmuir St., Vancouver, B. C. 450 meters, 666 kilocycles. Daily ex Wed and Sun, 7:30-9 pm. Sun, 7:30-8:30 pm, music and entertainment. Pacific Standard time.

CFCR—Laurentide Air Service, Ltd., Nickle Range Hotel, Sudbury, Ont. 410 meters. 731 kilocycles. Eastern Standard time.

CFCW—The Radio Shop, 77 Dundas St., London, Ont. 420 meters, 713 kilocycles. Tues, Thurs, Sat, 8:30-9:30 pm, music and entertainment. Eastern Standard time.

CFDC—Sparks Co., Wallace and Fitzwilliam Sts., Nanaimo, B. C. 430 meters, 697 kilocycles. Pacific Standard time.

CFQC—The Electric Shop, 144 2nd Ave., N., Saskatoon, Sask. 400 meters, 749 kilocycles. Daily ex Sun, 12:30-1 pm, 7:30-9 pm. Mon, Tues, Thur, Fri, stock, market, music and entertainment. Sun, 9:30-11 pm, church services. Mountain time.

CFRC—Queens University, Dept. of Elec. Eng., Kingston, Ont. 450 meters, 666 kilocycles. Wed. 9-9:30 pm. All sporting events broadcast direct from games. Eastern Standard time. Slogan, "The Station of Canada's Famous Rugby Champions."

CFUC—University of Montreal, 185 St. Denis St., Montreal, Que. 400 meters, 749 kilocycles. Eastern Standard time.

CHAC—Radio Engineers, Halifax, N. S. 400 meters, 749 kilocycles. Eastern Standard time.

CHBC—The Albertan Pub. Co., 229 8th Ave. W., Calgary, Alta. 410 meters, 731 kilocycles. Daily ex Sat. 8:45-9:45 pm, music, news and market. Mountain time.

CHCD—Canadian Wireless & Elec. Co., 30 Fabrique St., Quebec, Que. 410 meters. 731 kilocycles. Eastern Standard time.

CHCE—Western Canada Radio Supply, Ltd., 919 Fort St., Victoria, B. C. 400 meters, 749 kilocycles. Daily ex Sun, 4:30-5:30 pm, 7:30-9 pm. Sun, 9-10 pm, music and entertainment. Pacific Standard time. Slogan, "The Voice of the Island."

CHCL—The Vancouver Merchants Exchange, Ltd., Vancouver, B. C. 440 meters, 681 kilocycles. Pacific Standard time.

CHYC—Northern Elec. Co., 121 Shearer St., Montreal, Que. 410 meters, 731 kilocycles. Eastern Standard time.

CJCA—The Edmonton Journal, Ltd., Journal Bldg., Edmonton, Alta. 450 meters, 666 kilocycles. 12:30 pm, market, weather and meteorological reports, 7:30-8 pm, 8:30-9:30 pm, music and entertainment. Mountain time. Slogan, "The Sunniest Spot in Sunniest Alberta."

CJCD—T. Eaton Co., Ltd., cor. James and Albert Sts., Toronto, Ont. 410 meters, 731 kilocycles. Daily ex Sat & Sun, 4-5 pm, 11-12 noon. Sat, 7-8 pm. Wed, Fri, music. Eastern Standard time.

CJCE—Sprott-Shaw Radio Co., 1604 Tower Bldg., Vancouver, B. C. 420 meters, 713 kilocycles. Daily ex Sun, 12:30-1:30, 3:30-5, 8-10 pm, music and news. Pacific Standard time.

CJCI—Maritime Radio Corp., Ltd., 543 Albion St., St. John, N. B. 400 meters, 749 kilocycles. Mon, Wed, Fri, 7:30-9 pm. Sat, 9-11 pm, music and entertainment. Eastern Standard time.

CJCN—Simons, Agnew & Co., 19 Melinda St., Toronto, Ont. 410 meters, 731 kilocycles. Eastern Standard time.

CJCX—Percival Wesley Shackleton, Olds, Alta. 400 meters, 749 kilocycles. Mon, Wed, Sat, 6:45 pm. Mountain time. Slogan, "The Echo From the Rockies."

CJGG—London Free Press Printing Co., 430 Richmond St., London, Ont. 430 meters, 697 kilocycles. Daily ex Sun, 9:30-10 am, 12-1 pm, news, 3:30-6 pm, at intervals, market and weather, news, 8-9 pm, music and entertainment. Eastern Standard time.

CJSC—The Evening Telegram, 81 Bay St., Toronto, Ont. 430 meters, 697 kilocycles. Eastern Standard time.

CKAC—La Presse Pub. Co., cor. St. James & St. Lawrence Blvd., Montreal, Que. 425 meters, 1350 kilocycles. Daily ex Sun, 4 pm, weather, stock, news, 4:30 pm, musical teas, 7 pm, kiddies stories in French and English. Tues, Thur, Sat, 7:30-9:15 pm, concerts and talks, 10:30-11:30 pm, dance orchestra, news. Sun, 4:30 pm, sacred concert. Eastern Standard time.

CKCD—Vancouver Daily Province, 142 Hasting St. W., Vancouver, B. C. 410 meters, 731 kilocycles. Daily ex Sun, 8:30-9:30 pm, music, news and entertainment. Pacific Standard time.

CKCE—Canadian Independent Telephone Co., Ltd., Wallace Ave. & Ward St., Toronto, Ont. 450 meters, 666 kilocycles. Daily ex Sun, 11:55-12 noon, Arlington time signals. Eastern Standard time.

CKCK—Leader Pub. Co., Ltd., Regina, Sask. 420 meters, 713 kilocycles. Mon, Wed, Fri, 10-10:30 am, 1:15-2 pm, 7:30-8:15 pm. Tue. 7:30-9 pm, special concert. Sun, 9 pm, short service. Standard Mountain time.

CKOC—Wentworth Radio Supply Co., Ltd., 31 John St., N., Hamilton, Ont. 410 meters, 731 kilocycles. Daily, 6:15-1:45 pm, dinner concert from the Royal Connaught Hotel. Wed, 7:30-9 pm. Daily eve program. Sun, church services, 7-8 pm. Eastern Standard time. Slogan, "In the Garden of Canada."

CKY—Manitoba Telephone System, Sherbrooke St., Winnipeg, Man. 450 meters, 666 kilocycles. Daily ex Sun, 12:30-1:30 pm, music, news, markets, 2-2:20 pm, grain market. Tue, Thur, Fri, 8:15 pm, bedtime stories, music, etc. Sun, 7 pm, church service. Central Standard time. Slogan, "The Gateway of the Golden West."

OA—Department of Marine and Fisheries, Radio Branch test room, Ottawa, Ont. 510 meters, 587 kilocycles. Sat, 7:45-10 pm, music and entertainment. Eastern Standard time.

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THE AMERICAN RADIO RELAY LEAGUE
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QST
A MAGAZINE DEVOTED EXCLUSIVELY TO THE WIRELESS AMATEUR.

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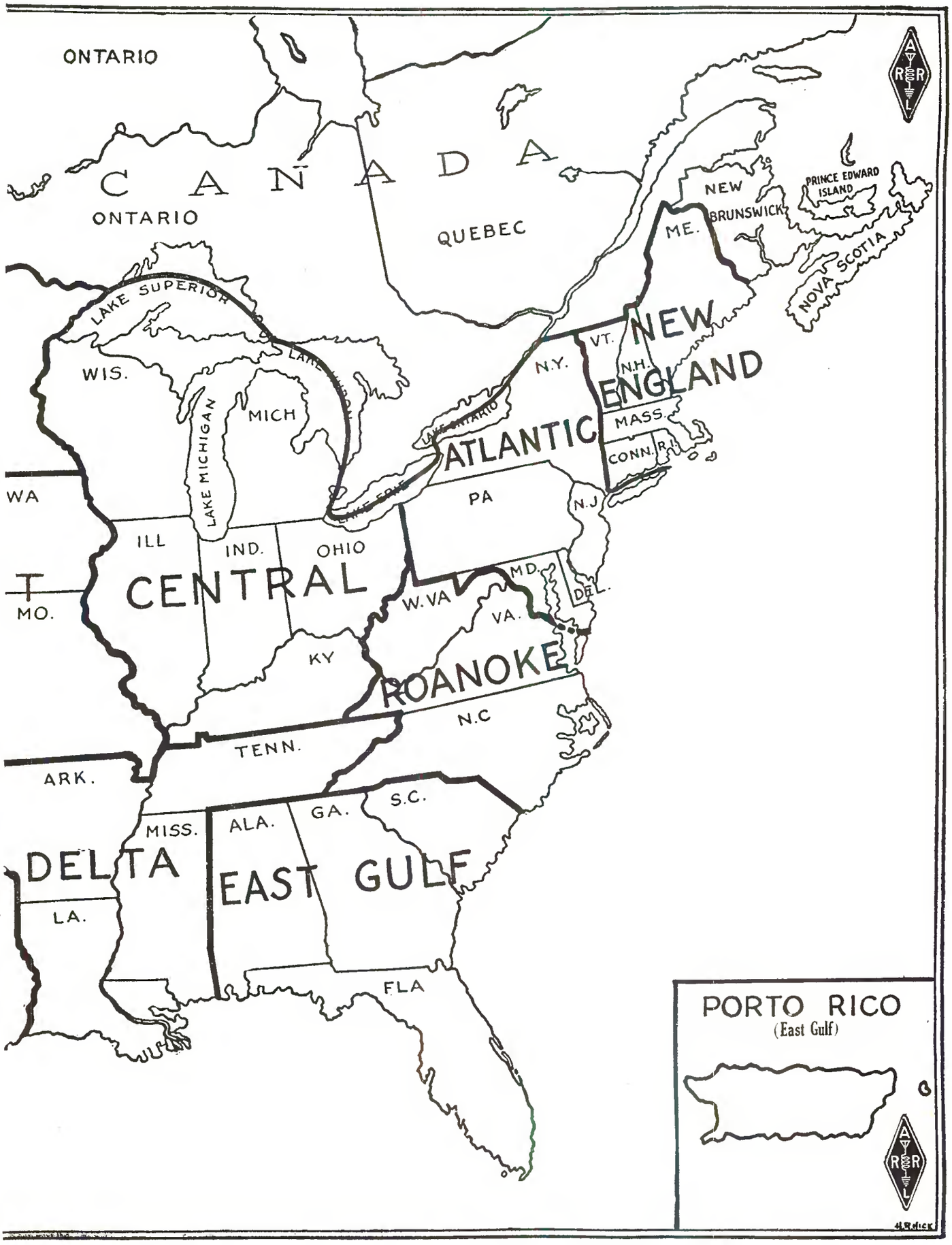

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KDAC—Sinasta
KDAD—Agwisun
KDAF—Peconic
KDAG—M. M. Davis
KDAH—Fairport, Va.
KDAK—Van Camp No. 11
KDAM—West Notus
KDAN—West Kebar
KDAP—West Kedron
KDAR—President Monroe
KDAS—Siskiyou
KDAT—Pomona
KDAV—Dartford
KDAW—City of Fort Worth
KDAX—Antinous
KDAY—Tolosa
KDAZ—William Camplon
KDB—Caracas
KDBA—Depere
KDBB—Topa Topa
KDBC—Agwimoon
KDBF—Eagle
KDBG—Edris
KDBH—Forest King
KDBI—Trinity
KDBJ—Steel Worker
KDBK—Maud F.
KDBL—West Varmargo
KDBM—Meton
KDBN—Cananova
KDBP—Chester Kiwanis
KDBQ—Sutorpco
KDBR—Sumewco
KDBS—Surailco
KDBT—Durango
KDBU—Haymon
KDBV—Santa Isabel
KDBW—Sawokla
KDBX—Mount Clay
KDBY—Albert Jeffress
KDBZ—Charles R. McCormick
KDC—Laramie, Wyo.
KDCA—Hybert
KDCB—Sapulpa
KDCD—James Otis
KDCE—Mobile City
KDCF—Rotarian
KDCG—Independence Hall
KDCH—Pachet
KDCI—President Fillmore
KDCJ—Egeria
KDCK—Delivery No. 5
KDCL—George Washington
KDCM—President Cleveland
KDCN—Atlanta of Texas
KDCO—Houston
KDCP—Halo
KDCQ—Mosella
KDCR—Haynie
KDCS—Hollywood
KDCT—Palo Alto
KDCU—Mevania
KDCV—West Canon
KDCW—Jalapa
KDCX—Steel Engineer
KDCY—Surinam
KDCZ—Mount Vernon
KDD—Cartago
KDDA—Commercial Traveler
KDDB—I. C. White
KDDC—Algic
KDDE—Lorraine Cross
KDDF—Yaka
KDDH—Sumanco
KDDI—Sutermco
KDDJ—John Englis
KDDK—Carlton
KDDL—Hastings
KDDM—Carenco
KDDN—Steel Exporter
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KDE—Carrillo
KDEA—Lake Fernwood
KDEB—Gulfstar
KDEC—Syros
KDED—Lena Luckenbach
KDEM—Baytown
KDEN—Dearborn, Mich.
KDEP—Northville, Mich.
KDEQ—Commercial Spirit
KDER—Carrabulle
KDES—Carplaka
KDET—Geo. L. Harvey
KDEV—Gladysbe
KDEW—Philip Publicker
KDEX—Cody
KDEY—Sudurco
KDEZ—Eastern Temple
KDF—Coppename
KDFA—Hyder, Alaska

Call signal—Station
KDFB—New Orleans
KDFC—Potter
KDFD—Gateway City
KDFE—Provincetown
KDFF—Castana
KDFG—Cataboula
KDFH—Tomalva
KDFI—Sulanierco
KDFJ—Sudawsonco
KDFK—Suscolanco
KDFM—Manatawny
KDFQ—Halway
KDFR—Hannawa
KDFS—Janelew
KDFT—Mursa
KDFU—Jeptha
KDFV—Lavada
KDFW—West Carmona
KDFX—West Honaker
KDFY—Winn[illegible]onne
KDFZ—East [illegible]ampton
KDG—Parisn[illegible]a
KDGA—Hera[illegible]
KDGD—Lokl[illegible]
KDGK—Bay[illegible] Chico
KDGL—Steel R[illegible]nger
KDGM—John Stevens
KDGN—Don[illegible] Lane
KDGO—Cl[illegible] Sn[illegible]th
KDGP—[illegible]
KDGQ—Elisha W[illegible]er
KDGR—Lake G[illegible]
KDGS—City of Rayville
KDGU—Quincy, Mass.
KDGV—William Penn
KDGW—China Arrow
KDGX—Bonnie Brook
KDGY—Kekoskee
KDGZ—Nora
KDH—Heredia
KDHA—Suricho
KDHB—Suremic[illegible]
KDHC—Harvest[illegible]
KDHD—Edgar F. Coney
KDHF—President Van Buren
KDHG—Pagasset
KDHH—Charles H. Cramp
KDHI—[illegible]
KDHJ—[illegible]
KDHK—[illegible]
KDHL—A[illegible]
KDHO—Jap[illegible]row
KDHP—In[illegible]row
KDHQ—Ja[illegible]
KDHR—J. [illegible]er Farrell
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KDHT—San[illegible]onica
KDHU—Lil[illegible]
KDHX—A[illegible]ngherty
KDHY—E[illegible]eader
KDHZ—Dav[illegible]
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KDID—Oduna
KDIF—Hanley
KDIG—Narbo[illegible]
KDIH—Narci[illegible]
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KDJQ—Cayuga
KDJR—Onondaga
KDJS—Chippewa
KDJT—Daly, Alaska
KDJU—Warren, Alaska
KDJV—Joseph Seep
KDJX—Romagne
KDJY—Natchez
KDJZ—Montgomery City
KDK—Atenas
KDKA—East Pittsburgh, Pa.
KDKB—Eastern Sword
KDKC—Hopatcong
KDKD—Emergency Aid
KDKG—William H. Doheny

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KDKH—Algonquin
KDKI—Tachira
KDKK—Minnekahda
KDKL—Camden
KDKM—Natirar
KDKN—Dinsmore
KDKP—Lake Gatun
KDKQ—Rodman Swift
KDKR—Warbler
KDKS—Willett
KDKT—El Estero
KDKU—Dan F. Hanlon
KDKX—W. J. Hanna
KDKY—Peacock
KDL—Levisa
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KDLC—Pearidon
KDLD—Suwarinco
KDLE—Suwordenco
KDLF—Sujameco
KDLG—Reaper
KDLH—Franklin K. Lane
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KDNX—Sunugentco
KDNY—Favorite
KDNZ—Gorgona
KDO—Esparta
KDOB—Ala
KDOC—Cebu
KDOD—Livingstone Roe
KDOF—Bessemer City
KDOH—Crampton Anderson
KDOI—Consort
KDOJ—Sea Lion
KDOK—Albert E. Watts
KDOL—F. C. Latrobe
KDOM—Annapolis
KDOQ—Richmond
KDOR—Thomas H. Wheeler
KDOS—Swift Arrow
KDOT—President Jefferson
KDOW—America
KDOY—Westland
KDOZ—President Polk
KDP—Chomly, Alaska
KDPA—President Jackson
KDPC—Suspearco
KDPE—Gargoyle
KDPF—Swiftstar
KDPG—Liebre
KDPH—Detroit, Mich.
KDPI—Superior, Mich.
KDPJ—Port Huron, Mich.
KDPK—Franklin
KDPL—Walter Jennings
KDPM—Cleveland, Ohio
KDPN—Arden
KDPO—Agwistone
KDPP—Kennecott
KDPQ—Tuxpanoil

Call signal—Station
KDPR—Montebello
KDPS—Baytown, Tex.
KDPU—Cascada, Calif.
KDPV—Camp 60, Calif.
KDPW—Camp 61, Calif.
KDPX—La Placentia
KDPY—Fairfield City
KDPZ—Gold Star
KDQ—Santore
KDQB—Ward
KDQD—E. R. Kemp
KDQE—Galveston
KDQF—Jeff Davis
KDQG—Oldham
KDQH—Meanticut
KDQI—West O'Rowa
KDQJ—Solana
KDQL—Sucubaco
KDQM—Aladdin
KDQQ—Pocantico
KDQR—John C. Kirkpatrick
KDQS—Cerro-Ebano
KDQT—Mount Carroll
KDQU—Sea Monarch
KDQV—Swift Scout
KDQW—Cairo
KDQX—St. Louis
KDQY—Cerro-Azul
KDQZ—Frank G. Drum
KDR—Limon
KDRA—Fearless
KDRB—Gulf Prince
KDRC—Agwismith
KDRD—R. J. Hanna
KDRE—K. R. Kingsbury
KDRH—Ruby (permanently moored vessel)
KDRI—Washington
KDRJ—Selma City
KDRK—Swifteagle
KDRL—President Adams
KDRM—Henry D. Whiton
KDRN—E. W. Sinclair
KDRP—Supherco
KDRQ—Manulani
KDRR—Delpbine
KDRS—Mindoro
KDRT—Cuba
KDRU—Luzon
KDRV—Mount Clinton
KDRW—President Taft
KDRX—Agwihavre
KDRZ—Tulsagas
KDS—Sixaola
KDSA—Swiftlight
KDSB—E. T. Bedford
KDSC—Vicksburg
KDSD—Thomas Crowley
KDSF—Manukai
KDSG—Anniston City
KDSH—Mojave
KDSI—Swift Wind
KDSJ—Undaunted
KDSK—Gloria West
KDSL—President McKinley
KDSM—Nashaba
KDSO—Lio
KDSP—Dixiano
KDSQ—Sea Ranger
KDSR—Agwibay
KDSS—W. W. Mills
KDST—Tecomate
KDSU—Toteco
KDSV—President Wilson
KDSW—Atlanta City
KDSX—West Faralon
KDSY—Sea Scout
KDSZ—Illinois
KDT—Turriaiba
KDTA—Liberator
KDTB—Bohemian Club
KDTC—President Garfield
KDTD—David McKelvy
KDTE—Paul Shoup
KDTF—Betty R.
KDTG—Yankee Arrow
KDTH—"323"
KDTI—Nourmahal
KDTJ—Hammac
KDTK—Colonial
KDTL—Nedeva II.
KDTM—American Legion
KDTN—Lebeo
KDTO—Thomas P. Beal
KDTP—J. N. Pew
KDTR—Memphis City
KDTT—Adler
KDTU—J. A. Moffett, Jr.
KDTV—West Greylock
KDTW—Tustem
KDTY—Half Moon
KDTZ—Southern Cross
KDU—Point Reyes, Calif.
KDUB—Harry Yates
KDUC—Lubrico
KDUD—Knoxville City
KDUF—Speejacks
KDUG—Empire Arrow
KDUH—Louis R. Davidson
KDUJ—William T. Roberts

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Call signal—Station
KDUK—West Prospect
KDUL—Theodore H. Wickwire, Jr.
KDUM—John D. Archbold
KDUN—Ripple
KDUP—Guinevere
KDUQ—Agwimex
KDUR—T. J. Williams
KDUT—President Grant
KDUV—Margaret Dollar
KDUW—Chattanooga City
KDUX—G. N. Wilson
KDUY—President Lincoln
KDUZ—M. O. Reeb
KDV—Libby Maine
KDVA—Tamiahua
KDVB—Polillo
KDVC—Gertrude
KDVD—Levant Arrow
KDVE—Robert E. Hopkins
KDVF—Adam E. Cornelius
KDVG—Faith
KDVH—West Chopaka
KDVI—Wm. Rockefeller
KDVJ—La Purisima
KDVK—F. H. Hillman
KDVL—Birkenhead
KDVM—H. T. Harper
KDVN—Steel Seafarer
KDVO—Samuel Q. Brown
KDVP—Norwhal
KDVR—President Madison
KDVS—Jacob T. Kopp
KDVT—Dixie Arrow
KDVV—H. M. Storey
KDVW—Steel Scientist
KDVX—Baton Rouge
KDVY—Memphis
KDVZ—Centurion
KDWA—Clifford F. Moll
KDWB—John J. Boland
KDWC—Lolomi
KDWD—New Jersey
KDWE—Yosemite
KDWF—All America
KDWG—Asher J. Hudson
KDWH—Munargo
KDWI—Equator
KDWJ—Spray
KDWK—President Harding
KDWL—Steel Navigator
KDWM—Wogo
KDWN—Byron D. Benson
KDWO—Alpha
KDWP—W. S. Rheem
KDWQ—Delaware Sun
KDWR—Invader
KDWS—President Roosevelt
KDWU—Fortuna
KDWW—Bethore
KDWX—Diana Dollar
KDWY—Federal
KDWZ—Pan America
KDX—Firmore
KDXA—Vacoil
KDXB—Fidus
KDXC—Allen
KDXD—Stuart Dollar
KDXE—Jacob Luckenbach
KDXF—La Jota
KDXG—Daniel Kern
KDXI—Melville Dollar
KDXJ—G. A. Tomlinson
KDXK—F. R. Hazard
KDXL—E. L. Pierce
KDXM—Frank Billings
KDXN—Polynesia
KDXO—Australia
KDXP—Amazon
KDXQ—A. A. Augustus
KDXR—Price McKinney
KDXS—Harold B. Nye
KDXT—John Stanton
KDXU—Joseph G. Butler
KDXV—J. J. Sullivan
KDXW—James P. Walsh
KDXX—J. T. Hutchinson
KDXY—Martin Mullen
KDXZ—William A. Paine
KDY—Walter D. Noyes
KDYA—Resolute
KDYB—Spray
KDYC—Viking
KDYD—Californian
KDYE—Reliance
KDYF—Bernice
KDYG—Boy Scout
KDYH—Irages
KDYI—Western World
KDYJ—Meteor
KDYK—H. F. Alexander
KDYP—Anvil
KDYT—Astoria
KDYZ—Dolphin
KDZ—Zulia
KDZC—Theodore H. Wickwire
KDZN—Calcite
KDZO—Marore
KDZS—Guarina
KDZV—Pacific
KDZY—G. S. Allyn
KEA—Seldovia, Alaska
KEB—San Francisco, Calif.
KEBD—Abron
KEBF—Edgefield
KEBM—Lake Giltedge
KEBN—Lake Girth
KEBP—Lake Farabee
KEBQ—West Henshaw
KEBR—Lake Strabo
KEBS—Jekyl

Call signal—Station
KEBT—Nesco
KEBV—Lake Flushing
KEBX—Remus
KEBZ—The Lambs
KEC—Concho
KECB—Edenton
KECG—Chicago Bridge
KECJ—Decatur Bridge
KECK—Hico
KECL—Opelika
KECM—Lake Gitano
KECN—Lake Fannin
KECR—West Tacook
KECS—Duquesne
KECV—Lake Flynus
KECX—West Imboden
KED—Siasi, P. I.
KEDG—Kamesit
KEDJ—Marne
KEDK—Onekama
KEDM—Lake Faribault
KEDN—Baracoa
KEDP—Lake Farley
KEDQ—West Maximus
KEDR—Western Glen
KEDT—West Quechee
KEDV—West Nosska
KEDX—West Hardaway
KEDZ—West Hargrave
KEE—West Catanace
KEF—Henry R. Mallory
KEFB—Sac City
KEFC—West Carnifax
KEFD—Bar Harbor
KEFJ—Copalgrove
KEFK—Cerro Gardo
KEFL—Chamberino
KEFM—Lake Inaha
KEFN—Lake Friar
KEFP—Lake Frio
KEFQ—Western Knight
KEFR—Ossining
KEFS—West Harlan
KEFT—City of Eureka
KEFX—West Harshaw
KEFZ—West Harts
KEGC—Bristol
KEGF—Eclipse
KEGG—Chambleo
KEGJ—Chaparel
KEGK—Chanticr
KEGL—Lake Foxcraft
KEGM—Dirigo
KEGN—Lake Frolono
KEGP—Lake Frugality
KEGR—Lake Frohna
KEGS—West Hartland
KEGT—West Hartley
KEGX—West Hassayampa
KEH—Nueces
KEI—Medina
KEJ—Alamo
KEJD—Easterling
KEJF—Western Ally
KEJG—Lako Fraichur
KEJJ—Lake Fraley
KEJK—Lake Grainger
KEJL—Lake Grama
KEJN—Lake Fanbush
KEJP—Lake Faulk
KEJQ—Cabegon
KEJS—West Amargosa
KEJT—D. F. McAllister
KEJV—Faraby
KEJX—Transportation
KEK—Hillsboro, Ore.
KEKB—East Wind
KEKC—Norma
KEKD—West Cobalt
KEKG—Lake Grampian
KEKJ—Lake Grampus
KEKL—Saguache
KEKM—Lake Fansdale
KEKN—Lake Fanquier
KEKP—Lake Furlough
KEKQ—Castle Wood
KEKR—Homestead
KEKS—Tartar
KEKT—Oscoda
KEKZ—Bluffton
KELB—North Pole
KELC—Polar Star
KELK—West Elcajon
KELM—Lake Fernando
KELN—Lake Ferrona
KELQ—Prusa
KELS—Damacan
KEM—Comal
KEMG—Susana II.
KEMJ—Panay
KEMK—Hoxie
KEML—Jacox
KEMM—Covalt
KEMN—Muncove
KEMP—Covena
KEMT—Tavernilla
KEMX—West Vaca
KEMZ—Ballenas
KENC—East Cape
KEND—Triumph
KENG—West Avenal
KENJ—West Compo
KENK—West Modus
KENM—Mahukona
KENN—El Abeto
KENP—Lake Elkwood
KENQ—Ballew
KENR—Itompa
KENS—Cabrille
KENV—Ballcamp

Call signal—Station
KENX—Clincho
KEO—Bongao, P. I.
KEP—Lampasas
KEPD—Diablo
KEPF—Mercer
KEPG—Agwistar
KEPJ—Brevard
KEPK—Briarcliff
KEPL—Aledo
KEPM—Lake Elkwater
KEPN—Lake Ellendale
KEPP—Lake Ellenorah
KEPQ—Proctor
KEPR—Sahale
KEPS—Lazy Bay, Alaska
KEPT—Saco
KEPV—Wallingford
KEQ—Port Walter, Alaska
KEQB—Dallas
KEQJ—Baldrock
KEQK—Belvidere
KEQM—Lake Ellerslie
KEQN—Lake Ellicott
KEQP—Lake Festina
KEQR—Galahad
KEQV—Pisco
KEQX—Salaverry
KER—H. M. Flagler
KERF—Star of Greenland
KERG—Shooters Island
KERJ—West Erral
KERM—Lake Festus
KERN—Lake Fibre
KERP—Lake Fielding
KERQ—Yesoking
KERR—Benoni
KERT—Bethelridge
KERX—Miller County
KERZ—Cecil County
KES—San Jacinto
KESB—Lake Foxboro
KESC—Sacandaga
KESD—Castle Point
KESG—Sapinero
KESK—Lake Flovilla
KESM—Lake Fife
KESN—Lake Figart
KESP—Lake Fighting
KESQ—Bidwell
KESR—Hampton Roads
KESV—City of Freeport
KESX—Warwick
KESZ—Henry Clay
KET—Balinas, Calif. (transmitting) Marshall, Calif. (receiving)
KETG—Braddock
KETM—Askawake
KETN—Edgehill
KETP—Edgemont
KETX—Georgina Rolph
KETZ—Annette Rolph
KEU—S. V. Karkness
KEV—Cagayan de Sulu, P. I.
KEVB—Osawatomie
KEVD—West Corum
KEVF—Edgemoor
KEVG—Eldena
KEVM—Nishmaha
KEVN—Osaqumsick
KEVP—Ozette
KEVR—Hartwood
KEVS—Chappell
KEVT—Schodack
KEVV—Schoharie
KEVX—Tollard
KEVZ—Lake Faresman
KEW—Balabac, P. I.
KEX—Josiah Macy
KEXB—McKeesport
KEXF—West Munham
KEXG—West Nobno
KEXJ—West Togus
KEXK—West Totant
KEXL—Lake Folcroft
KEXM—Wawalona
KEXN—Moline
KEXQ—J. L. Luckenbach
KEXR—Grand Haven
KEXS—Milwaukee
KEXT—Peter H. Crowell
KEXV—Hoven
KEXX—West Cajoot
KEXZ—Glymont
KEY—Arroyo Park Camp, Calif.
KEZ—San Lorenzo
KEZB—Lake Sapor
KEZC—Lake Fonda
KEZD—Lake Fontana
KEZF—Lake Fontanet
KEZJ—Oneida
KEZK—Lake Gilpen
KEZL—Lake Gilta
KEZM—West Harcuvar
KEZN—West Hembrie
KEZP—West Hematite
KEZQ—Glyndon
KEZR—West Celina
KEZZ—Poughkeepsie
KFA—City of Columbus
KFAA—Missourian
KFAG—Bayonne
KFAH—Pilgrim
KFAI—Glendola
KFAL—Dolly C.
KFAM—Hamilton
KFAO—Glendoyle
KFAX—Chillicothe
KFB—City of Atlanta
KFBO—Ara
KFBR—Nepenthe II.
KFBT—Commercial Scout
KFBW—Tamarack IV.
KFBX—Stephen M. Clement

Call signal—Station
KFC—Pybus Bay, Alaska
KFCE—Gaston
KFCG—Steelore
KFCI—Steel Traveler
KFCJ—Hugh Kennedy
KFCN—James MacNaughton
KFCO—St. Michael
KFCR—Champlain
KFCS—Ohio
KFCT—William C. Agnew
KFCU—Alcyone
KFCW—Sea Gull
KFCX—Fisher
KFD—Lake Janet
KFDE—Logan
KFDG—Petrel
KFDI—Goliah
KFDK—Seiner
KFDM—Chinampa
KFDN—Rowena
KFDQ—Robert Lewers
KFDS—Tonawanda
KFDT—Calawaii
KFDW—Eurana
KFE—Wynooche
KFEA—Blue Hill
KFEE—Niagara
KFEF—Quincy
KFEG—Frank H. Goodyear
KFEH—Seaward
KFEI—John A. King
KFEK—Indian
KFEM—Dix
KFEN—Merida
KFEO—Monana
KFES—City of Holland
KFET—City of Saugatuck
KFEU—Haleakala
KFEW—North King
KFF—Frieda
KFFC—Pennsylvania Sun
KFFG—Elmore
KFFH—Star of France
KFFI—Star of Italy
KFFJ—Star of Russia
KFFK—Star of Scotland
KFFL—Edward Sewall
KFFM—Arapahoe
KFFN—Chilkat
KFFS—St. Heliers
KFFT—De Soto
KFFU—Barbara C.
KFFW—Stanwood
KFG—Feltore
KFGA—Alleghany
KFGE—F. A. Douty
KFGH—Stanford University, Calif.
KFGI—Good Will
KFGK—Leroy
KFGN—President Buchanan
KFGO—George B. MacKenzie
KFGR—Phyllis
KFGS—Whitney Olson
KFGT—Waimea
KFGU—George L. Olson
KFGW—Restless
KFH—West Ashawa
KFHE—St. Katherine
KFHG—Dickenson
KFHK—Worrell Clarkson
KFHM—Virginia Olson
KFHN—Roosevelt
KFHO—Carolyn Frances
KFHT—Arctic
KFIA—Caesar
KFIE—Berkshire
KFIG—Francis E. Powell
KFIH—Joseph D. Wood
KFII—Buford
KFIM—Alaska
KFIN—Tillicum
KFIS—City of Grand Rapids
KFIT—City of St. Joseph
KFJ—City of Augusta
KFK—City of Savannah
KFM—Camp 61-C.
KFN—San Ysidro, Calif.
KFOG—General call for all ice patrol vessels
KFP—Nacoochee
KFQ—Owego
KFS—San Francisco, Calif. (Beach station)
KFT—Everett, Wash.
KFU—Pearl Creek Dome; Cold Bay oil district, Alaska
KFW—Freedom
KFZZ—General call for all I. W. T. Co. vessels
KFX—City of St. Louis
KFY—City of Montgomery
KGAE—New Windsor
KGC—Kanatak, Alaska
KGD—Suruga
KGE—Westwego
KGH—Hillsboro, Ore.
KGI—Kahuku, Hawaii (Oahu station)
KGJ—San Juan
KGK—Edgar F. Luckenbach
KGL—Dochra
KGM—Mexicano
KGOE—Lake Harney
KGP—Ponce
KGQ—Edward Luckenbach
KGR—Cambridge
KGS—Senator Bailey
KGT—Madison
KGUE—Caribbean
KGUI—Apex
KGX—Sewalls Point
KGZ—Julia Luckenbach
KHA—Uyak, Alaska
KHB—Kvichak, Alaska
KHC—Chignik, Alaska
KHD—Quadra, Alaska

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Call signal—Station
KHE—Lake Silver
KHF—Snap Point, Alaska
KHG—Clarks Point, Alaska
KHH—San Francisco, Calif.
KHI—Los Angeles, Calif.
KHK—Wahiawa, Hawaii (Island of Oahu)
KHL—Lahaina, Hawaii (Island of Maui)
KHM—Lihue, Hawaii (Island of Kauai)
KHN—Kawaihae, Hawaii (Island of Hawaii)
KHO—Kaunakakai, Hawaii (Island of Molokai)
KHP—Maingore
KHR—J. W. Van Dyke
KHS—H. C. Folger
KHT—Naknek, Alaska
KHU—Lake Ogden
KHV—Lake Jessup
KHW—Lake Charles
KHY—K. I. Luckenbach
KHZ—Mystic
KIA—Ardmore
KIB—Muskogee
KIBB—Lake Glebe
KIBC—Silverbrook
KIBD—Shenandoah
KIBF—Milwaukee Bridge
KIBG—National Bridge
KIBJ—Passaic Bridge
KIBK—Opequan
KIBL—Masca
KIBM—Wisconsin Bridge
KIBN—Santa Malta
KIBQ—Sangus
KIBR—Craftsman
KIC—Standard
KICM—Edgewood
KICP—William Perkins
KICQ—West Isleta
KICR—Gaffney
KICS—Zarembo
KICV—Gunston Hall
KICZ—Admiral Evans
KID—Matinicock
KIDB—Lake Granby
KIDC—Satartia
KIDD—West Alcoz
KIDF—Hegira
KIDJ—Mulpua
KIDL—Genesee
KIDM—Anniston
KIDN—Chattanooga
KIDP—Louisville Bridge
KIDQ—Schoodic
KIDR—Romulus
KIDS—Lake Canaveral
KIDT—Barrallton
KIDV—Waukau
KIDX—Waukegan
KIDZ—Orleans
KIE—Kahuku, Hawaii (transmitting) Koko Head, Hawaii (receiving)
KIF—Davao, P. I.
KIFB—West Irmo
KIFC—Hukey
KIFD—West Cavanal
KIFG—Favorite
KIFJ—Kishacoquillas
KIFK—Chatauqua
KIFL—Stellaris
KIFN—Humrick
KIFP—West Conob
KIFQ—Bound Brook
KIFR—Barranca
KIFV—Andrea F. Luckenbach
KIFX—Youngstown
KIFZ—Lorain
KIG—Pioneer
KIGB—Lake Glencoe
KIGC—Humaconna
KIGD—Hulver
KIGF—Seekonk
KIGG—Walden
KIGJ—Director
KIGK—Intan
KIGL—Polybius
KIGM—Lake Farlin
KIGP—Gratia
KIGO—Santa Elsia
KIGR—Blair
KIGS—Harry Luckenbach
KIGT—Bessemer
KIGX—Yaklok
KIGZ—Ashbee
KIH—Corning
KII—San Francisco, Calif.
KIJ—Acme
KIJB—Lake Candelaria
KIJC—Balsam
KIJD—Barrenfork
KIJF—Barryton
KIJG—Wicasta
KIJJ—Sahotawan
KIJK—Kisnop
KIJL—Dorothy Luckenbach
KIJM—Sebroon
KIJN—Knoxville
KIJP—Montgomery
KIJO—Hoxbar
KIJR—Barstow
KIJS—Butterfield
KIJT—Buttercup
KIJV—Bethlehem Bridge
KIJX—Brasher
KIJZ—Dade County
KIK—Westerner
KIKB—Hillsborough County
KIKC—Jackson
KIKD—Johnson City
KIKF—Jefferson County
KIKG—St. Johns County
KIKJ—St. Augustine

Call signal—Station
KIKK—Shortsville
KIKL—Worcester
KIKM—West Kasson
KIKQ—Ambridge
KIKR—Clairton
KIKT—Evansville
KIKX—West Inskip
KIL—Jolo, P. I. (Jolo Island)
KILF—Elmsport
KILJ—Edmore
KILK—Colorado Springs
KILL—City of Spokane
KILM—Waxahachie
KILN—Neshaminy
KILP—Meriden
KILR—Scantic
KILT—West Calumb
KILV—Ipswich
KILX—Monasses
KILZ—West Cawthorn
KIM—Latouche, Alaska
KIMB—Tuckanuck
KIMC—Tripp
KIMD—Deerlodge
KIMG—West Chetac
KIMJ—Cushnoc
KIMM—Winyah
KIMN—Salvation Lass
KIMQ—East Side
KIMR—Dochet
KIMS—Burnwell
KIMT—Mount Evans
KIMV—Lake Cannonsburg
KIMX—Orinoco
KIMZ—Pipestone County
KIN—Macom
KINB—Ogontz
KINC—Hyannis
KIND—Rock Island
KINF—Costigan
KING—Watertown
KINJ—Lake Fabyan
KINK—Lake Glasco
KINL—Pere Marquette 8
KINM—Lehigh
KINN—West Ison
KINP—West Hepburn
KINQ—Eelbeck
KINR—Olen
KINS—Boston Bridge
KINT—Bay Head
KINV—Calno
KINX—Davidson County
KINZ—Pawtucket
KIO—Brynhilda
KIP—General W. C. Gorgas
KIPB—Asinippi
KIPC—Pontia
KIPD—Wallkill
KIPF—Woodmansie
KIPG—Doylestown
KIPJ—West Chatala
KIPK—West Segovia
KIPN—Lake Gazette
KIPP—American Star
KIPQ—Lake Fablus
KIPR—S. B. Hunt
KIPS—Geo. H. Jones
KIPV—Luxnalile
KIPX—Maiden Creek
KIPZ—Lake Farmingdale
KIQ—Astral
KIQB—Belfort
KIQC—Westmoreland
KIQD—Cansumset
KIQF—Cotati
KIQK—Cold Spring
KIQN—Lake Farragut
KIQP—Bolivar
KIQR—Huzoton
KIQS—Bathgate
KIQT—Bathalum
KIQV—Corson
KIQX—Fluor Spar
KIQZ—Liberty Glo
KIR—Eagle
KIRB—Lake Farber
KIRF—West Cayote
KIRG—New Britain
KIRJ—Lake Frumet
KIRK—Sharon
KIRM—Arenas
KIRN—Haddon
KIRP—Waco
KIRQ—Delavan
KIRR—Cambridge
KIRS—John Ena
KIRT—Derbyline
KIRV—Lake Fairfax
KIRX—Casper
KIRZ—Glen Ridge
KISC—Orcus
KISD—Seattle Spirit
KISF—Wheatland, Mont.
KISG—Elkridge
KISJ—Stanley
KISK—West Keene
KISM—Baldbutte
KISN—Lake Facundus
KISP—Lake Fairlie
KISO—Afel
KISR—City of Falrbury
KISS—Liberty Land
KIST—Wm. G. Howard
KISV—Asquam
KISX—Lake Farrar
KIT—Tiger
KITB—Lake Falama
KITC—Babboosic
KITF—Firthcliffe
KITG—Kittegaun
KITJ—Innoko
KITK—Bellbuckle
KITL—Wytheville
KITM—Betsy Bell

Call signal—Station
KITN—Nameaug
KITP—Lake Gadsden
KITQ—Lake Singara
KITR—Keshena
KITV—Dunmore
KITX—Willfaro
KITZ—West Inskip
KIU—Western Hero
KIV—Puerto Princesa Paragua, P. I.
KIVB—Minnequa
KIVC—Kewanee
KIVD—Marira
KIVF—Lightburne
KIVG—Mercer Victory
KIVJ—Hatchie
KIVK—Traveller
KIVM—Lake Fear
KIVN—Explorer
KIVP—Westoil
KIVQ—Huguenot
KIVR—Devolente
KIVS—Delfina
KIVT—Delisle
KIVV—West Cactus
KIVX—Guardsman
KIVZ—Custodian
KIW—Zamboanga, P. I.
KIX—Cuyo, P. I.
KIXB—West Cheswald
KIXC—West Raritans
KIXD—Lackawanna Valley
KIXF—Ablanset
KIXG—Asabeth
KIXJ—Fourth Alabama
KIXK—Lafcomo
KIXM—Lockport
KIXN—Lordship Manor
KIXP—Nonantum
KIXQ—Putnam
KIXR—Tulsa
KIXS—Abraham Lincoln
KIXT—Lake Flagou
KIXV—Montauk
KIXX—Wekika
KIXZ—West Selene
KIY—San Jose, P. I.
KIZ—Malabang, P. I.
KIZB—Domino
KIZC—Bakersfield
KIZD—De Bardeleben
KIZF—Buffalo Bridge
KIZG—Parksville
KIZJ—Dauperata
KIZK—Katherine
KIZL—Avalon
KIZM—Lake Flagstaff
KIZN—Lake Flambeau
KIZP—Shickshinny
KIZQ—Bannack
KIZR—Winona County
KIZS—Vincent
KIZT—Algonquin
KIZV—Imlay
KIZX—Labette
KIZZ—Rockaway Park
KJAA—Chebaulip
KJAE—West Indian
KJAI—West Durfee
VJAO—West Lianga
KJAU—West Grove
KJC—Rose Inlet, Alaska
KJD—North Land
KJE—Norlina
KJEA—Western Ocean
KJEI—John M. Connelly
KJEU—Santa Luisa
KJF—Carolinian
KJH—West Wind
KJI—Satsuma
KJIE—Walter A. Luckenbach
KJII—Muscatine
KJIO—Paul H. Harwood
KJIU—Carib
KJK—King Cove, Alaska
KJL—False Pass, Alaska
KJM—West Cherow
KJN—J. A. Bostwick
KJO—Munisla
KJOE—W. M. Irish
KJOO—West Bridge
KJP—Joseph R. Parrott
KJT—Waban
KJU—Bacoi
KJUA—Ice King
KJUE—Radnor
KJUI—Point Lobos
KJUO—West Alsek
KJUU—West Apaum
KJV—West Haven
KJW—O. T. Waring
KJX—Westland
KJY—West Point
KJZ—Chincha
KKA—Yakutat, Alaska
KKAA—Sulzer, Alaska
KKAE—Nushagak, Alaska
KKAI—Hawk Inlet, Alaska
KKAO—Kussilof, Alaska
KKAU—Avondale
KKB—El Sol
KKC—Chalmette
KKD—Comus
KKE—Topila
KKEE—Nanking
KKEI—City of Sydney
KKEO—Waukesha
KKEU—Mariners Harbor
KKF—Torres
KKG—El Almirante
KKH—El Capitan
KKI—Kilkenny
KKJ—West Celeron
KKL—El Alba
KKM—Momus
KKN—El Norte

Call signal—Station
KKO—Excelsior
KKOA—Biran
KKOE—Lake Annette
KKQ—El Sud
KKR—Creole
KKS—El Siglo
KKT—El Cid
KKU—El Mundo
KKUI—William G. Mather
KKV—El Oriente
KKW—El Valle
KKX—El Occidente
KKY—El Dia
KKZ—El Rio
KLA—Pastores
KLAA—Luella
KLAE—Overbrook
KLAO—Lake Crystal
KLAU—Lake Winona
KLC—Calamares
KLD—Fort Worth
KLE—Zacapa
KLEA—Lake Manrepas
KLEE—Lake St. Regis
KLEI—Lake Allen
KLEO—Lake Clear
KLEU—Lake Pewaukee
KLF—Metapan
KLG—Santa Marta
KLH—Saramacca
KLI—Suriname
KLIA—Lake Otisco
KLIE—Lake Como
KLIU—Frank Lynch
KLJ—Beatrice
KLK—Craster Hall
KLL—Thompson Falls, Mont.
KLM—Bantu
KLO—Santa Rosalia
KLOE—Lake Hemlock
KLOI—Lakehurst
KLOO—Lake Lida
KLOU—Lake Shawano
KLQ—Rainbow, Mont. (near Great Falls)
KLR—Crofton Hall
KLT—Howick Hall
KLU—Charlton Hall
KLUA—Lake Capens
KLUE—Lake Sebago
KLUI—Lake Cayuga
KLUO—Lake Ennis
KLUU—Agarista
KLV—San Mateo
KLW—Port Althorp, Alaska
KLY—Deepwater
KMA—Allianca
KMAA—Admiral Nicholson
KMAI—Catherine D.
KMB—Amolco
KMD—Cristobal
KME—Pennant
KMEI—Orizaba
KMEO—Cletus Schnelder
KMEU—Pasadena
KMF—Egegik, Alaska
KMG—Eknk, Alaska
KMH—Panama
KMI—Tivives
KMIE—Cape Henry
KMII—Masuda
KMIO—Willimantic
KMIU—W. M. Burton
KMK—Naknek, Alaska
KML—Lockanok, Alaska
KMM—Panuco
KMN—Butte, Mont.
KMOE—Accomac
KMOI—Eldorado
KMOO—Oakland
KMOU—Edward Peirce
KMP—Metha Nelson (moored vessel)
KMQ—Sherman
KMR—Wellington
KMS—Ancon
KMT—Libbyville, Alaska
KMU—Ugashik, Alaska
KMUA—Lake Lasang
KMUE—Lake Larga
KMUI—George W. Barnes
KMUU—Lake Flume
KMV—Advance
KMW—Akutan, Alaska
KMX—Colon
KMY—Holden Evans
KMZ—General G. W. Goethals
KNA—Dorothy Bradford
KNAA—Western Sea
KNAE—West Cohas
KNAI—Western City
KNAO—Western Chief
KNAU—Westford
KNB—Lexington
KNC—Concord
KND—Plymouth
KNE—Clare
KNEA—Western Spirit
KNEE—Santa Tecla
KNEU—Wishkah
KNF—Wm. G. Warden
KNG—Alden Anderson
KNH—Brockton
KNK—Lillian Luckenbach
KNL—Nelson
KNM—Millinocket
KNO—Trinidadian
KNP—Chignik, Alaska
KNQ—F. Q. Barstow
KNR—Clearwater, Calif.
KNS—Sucrosa
KNU—Currier
KNW—Robert M. Thompson
KNY—Fred W. Weller
KNZ—A. C. Bedford
KOBC—Ruby

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Call signal—Station
KOBD—Oranl
KOBF—Vanada
KOBG—Editor
KOBJ—Deroche
KOBK—West Katan
KOBL—Lake Ellijay
KOBM—Willpolo
KOBN—Alameda
KOBP—Blrd City
KOBQ—Gonzalis
KOBR—Barwick
KOBT—Lake Inglenook
KOBV—Baldhill
KOBX—Moshico
KOBZ—Lake Elon
KOC—Jamestown
KOCB—Lake Savus
KOCC—Epitacio Pessoa
KOCD—Texarkana
KOCF—Nokatay
KOCG—Lake Fiscus
KOCJ—Aquilo
KOCK—West Pocasset
KOCL—Elkhorn
KOCM—Marsodak
KOCN—Federal Bridge
KOCP—Continental Bridge
KOCQ—Clark Mills
KOCR—John W. Wells
KOCS—Lake Girardeau
KOCT—Hercules
KOCV—West Saginaw
KOCX—West Jaffrey
KOCZ—Lake Ellsworth
KOD—Jefferson
NODB—Nobles
KODC—Sunbeam
KODF—West Caddoa
KODG—Siletz
KODK—Hathaway
KODL—Menominee
KODN—Endicott
KODQ—Hulaco
KODR—Salem County
KODS—Bellemina
KODT—Dewey
KODV—Hog Island
KODX—Dillwyn
KODZ—Ophis
KOF—Castle Town
KOFC—Bellhaven
KOFD—Anaconda
KOFF—Auditor
KOFG—Dean Emory
KOFJ—H. F. Morse
KOFK—Elkton
KOFL—Chepadoa
KOFM—Lake Ellithorpe
KOFN—Cockaponset
KOFP—Lake Ellsbury
KOFQ—Lake Elmhurst
KOFR—Basford
KOFS—Bascobel
KOFT—Bensalem
KOFV—Lake Elpueblo
KOFX—Cook
KOFZ—Coquitt
KOGB—Independent Bridge
KOGC—Lackawanna Bridge
KOGD—Moosehausic
KOGF—Kootenai
KOGJ—Nockum
KOGK—Escambia
KOGL—West Ira
KOGM—Storm King
KOGN—Brave Coeur
KOGP—Hadnot
KOGQ—Irvington
KOGR—Lake Fairport
KOGS—Lake Flatonia
KOGT—Lake Flanders
KOGX—Merry Mount
KOGZ—Commissioner
KOH—Glenpool
KOI—Polarine
KOJB—York Harbor
KOJD—Sinsinawa
KOJF—Montana
KOJG—Jacksonville
KOJJ—Lake Galata
KOJK—Hanover
KOJL—Cripple Creek
KOJM—Lake Onawa
KOJP—Lake Favonia
KOJQ—Lake Fitch
KOJR—Chickasaw
KOJS—Magmeric
KOJT—Lake Galien
KOJV—Portsmouth
KOJX—Lake Galewood
KOJZ—Lake Gaither
KOKC—Northern Star
KOKD—Bellerose
KOKF—Bellepline
KOKG—Moositauka
KOKK—Iceland
KOKM—Daniel Webster
KOKN—Potomac
KOKP—Crisfield
KOKQ—Parla
KOKR—Inspector
KOKS—Southlands
KOKT—Bethnor
KOKV—Kaleen
KOKZ—Lake Fithian
KOL—Mount Hope
KOLB—Aryan
KOLC—Orient
KOLD—Antonia
KOLJ—Lake Faxon
KOLK—Lake Felden
KOLL—Clavarack
KOLN—Susquehanna
KOLP—Cathlamet
KOLR—Lake Elmdale

Call signal—Station
KOLS—Chicomico
KOLT—Effingham
KOLV—Palisades
KOLX—Cranford
KOLZ—Lake Getaway
KOMB—Lake Gert
KOMC—Lake Flattery
KOMD—Deuel
KOMF—Bartholomew
KOMG—Whitemarsh
KOMK—Lycoming
KOML—J. R. Gordon
KOMM—Scottsburg
KOMN—San Antonio
KOMP—Coahoma County
KOMQ—Afoundria
KOMR—Ashland County
KOMS—Henry County
KOMT—Effna
KOMV—Montague
KOMX—Peekskill
KOMZ—Coskata
KON—Union Bay, Alaska
KONB—Cushnet
KONC—Cuttyhunk
KOND—Indiana Bridge
KONG—Margus
KONJ—Massillon Bridge
KONK—Northwestern Bridge
KONL—Fargo
KONM—La Crosse
KONN—Sioux Falls
KONP—Lansdowne
KONQ—Andrew Jackson
KONR—Antietam
KONS—City of Houston
KONT—City of Philadelphia
KONV—Lake Filbert
KONX—Detroit-Wayne
KONZ—City of Alton
KOPB—Lake Fernalda
KOPC—Bavington
KOPD—Dannedaike
KOPF—Massick
KOPG—Minnewawa
KOPJ—Terre Haute
KOPK—Circinus
KOPL—Corvus
KOPN—Wasagya
KOPP—Eastern Breeze
KOPQ—Bellflower
KOPR—Kearny
KOPT—Eglantine
KOPV—Lake Fillion
KOPZ—Centaurus
KOQC—Hagan
KOQD—Hagood
KOQF—Tri Mountain
KOQG—Lake Elmont
KOQJ—Casey
KOQK—Coldbrook
KOQL—George C. Greer
KOQM—Standtug No. 1
KOQP—McCreary County
KOQQ—West Ivis
KOQS—Egremont
KOQT—Quinnipiac
KOQV—Corinto
KOQX—Nipmuc
KOQZ—Kayseeka
KORB—West Mingo
KORC—Macomet
KORD—Sundance
KORF—Noccalula
KORG—Cethana
KORJ—Challamba
KORK—Dryden
KORL—Jaleakala
KORM—Jadden
KORP—Monomac
KORQ—Bogota
KORS—Manham
KORT—Hancock County
KORV—Wildwood
KORX—Cliffwood
KOS—Lake Saba
KOSC—Tenakee, Alaska
KOSD—Nile
KOSF—Monroe
KOSL—West Kader
KOSM—City of St. Joseph
KOSN—John Roach
KOSQ—Lake Treba
KOSR—Lake Elsah
KOSS—John Adams
KOST—Chester Valley
KOSV—Kenowis
KOSX—Hartford
KOT—Kanak
KOTB—Lake Falun
KOTD—Cross Keys
KOTF—Mitchell
KOTG—West Jena
KOTJ—Lake Slavi
KOTK—West Neris
KOTL—Vinita
KOTM—Robin Hood
KOTN—West Hesseltine
KOTP—Wisla
KOTQ—Red Mountain
KOTR—West Montop
KOTT—Lake Fenn
KOTV—Franklin County
KOTX—Delanson
KOTZ—Benowa
KOU—Isaac T. Mann
KOV—Carlisle, Alaska
KOVB—Culftrade
KOVC—Lake Tippah
KOVD—Maquan
KOVF—Amcross
KOVG—Lake Elmsford
KOVJ—Dilworth
KOVL—Lake Fandango
KOVM—Robin Adair

Call signal—Station
KOVN—E. A. Morse
KOVP—Georgian
KOVQ—Elfay
KOVR—Abercos
KOVS—Lake Fandon
KOVT—Coeur D'Alene
KOVV—Coelleda
KOVX—Tampa
KOVZ—I. J. Merritt
KOX—Henry M. Flagler
KOXB—Haslehurst
KOXC—Suwied
KOXD—Tashmoo
KOXF—Tekoa
KOXG—Toledo Bridge
KOXJ—Tona
KOXK—Tonesit
KOXL—Tuladi
KOXM—Vincennes Bridge
KOXN—Pirate Cove, Alaska
KOXP—Von Steuben
KOXS—West Jessup
KOXT—Robin Gray
KOXV—Roanoke
KOXX—Steelmaker
KOXZ—Steel Age
KOY—Herbert L. Pratt
KOZ—Miami
KOZB—City of Omaha
KOZC—City of Los Angeles
KOZD—Rockport
KOZF—Tenafly
KOZG—Moravia Bridge
KOZJ—West N[illegible]er
KOZK—We[illegible]ka
KOZL—Qu[illegible]ty
KOZM—Mi[illegible]
KOZN—Mino[illegible]
KOZP—Vigilant
KOZQ—City of
KOZR—Culburra
KOZS—West I[illegible]
KOZT—Lake E[illegible]
KOZV—William
KOZX—Norun[illegible]
KOZZ—C[illegible]lan
KPAA—Point [illegible]
KPB—Am[illegible]is
KPC—Batanga[illegible]
KPD—W. H. [illegible]rd
KPE—Seattle, [illegible]
KPF—General [illegible]. Ernst
KPG—General H. F. Hodges
KPH—Bolinas, Calif.
KPI—Cebu, P. I.
KPJ—Culion, P. I.
KPK—Los Angeles, Calif. (portable)
KPL—Moonlite
KPM—Iloilo, P. I.
KPN—Isabela de Basilan, P. I.
KPP—Dawnlite
KPQ—Sunlite
KPR—Daylite
KPS—Benjamin Brewster
KPT—Achilles
KPU—Ulysses
KPV—Melangas, P. I.
KPW—Malita, P. I.
KPX—Port Lebak, P. I.
KPY—San Francisco, P. I.
KPZ—Mati, P. I.
KQA—Harry Farnum
KQB—W. L. Connelly
KQC—Cretan
KQD—Dorchester
KQE—Essex
KQEO—Lake Charlotte
KQF—Gene Crawley
KQG—Gloucester
KQH—Howard
KQIE—Farnam
KQII—Santa Olivia
KQIO—Deranof
KQIU—West Ekonk
KQJ—Juniata
KQK—Kershaw
KQL—Hidden Inlet, Alaska
KQM—Merrimack
KQN—Nantucket
KQO—Ontario
KQOA—Anacortes
KQOE—Delight
KQOI—Western Light
KQOO—Western Maid
KQP—Tee Harbor, Alaska
KQQ—Quantico
KQR—Grecian
KQT—San Gabriel Camp, Calif.
KQU—Ruth E. Merrill
KQUA—Allies
KQUE—Lancaster
KQUO—Lake Chelan
KQUU—West Gambo
KQX—Persian
KQZ—City of Rome
KRA—Freeport Sulphur No. 1
KRAA—West Coast
KRAE—Mauhan
KRB—Governor Cobb
KRC—Camden
KRD—Belfast
KREA—Cape Romain
KREI—Lake Washburn
KREO—Lake Mary
KRF—Ransom B. Fuller
KRG—Freeport Sulpbur No. 2
KRH—City of Bangor
KRI—City of Rockland
KRIA—Lake Daraga
KRII—Lake Elsinore
KRIU—Liberator
KRJ—Relief
KRK—Oswego
KRL—Kiowa
KRM—Resolute

Call signal—Station
KRN—Calvin Austin
KRO—Brammell Point
KROE—Aniwa
KROI—Wampum
KROO—Wassaic
KROU—Garibaldi
KRQ—Manitowoc
KRR—C. A. Snider
KRS—Paulsboro
KRT—San Francisco
KRU—Yes Bay, Alaska
KRUI—Santa Flavia
KRUO—Wakulla
KRUU—Socony 88
KRV—Governor Dingley
KRW—Sierra
KRX—Chichagof, Alaska
KRY—Camp 63, Calif.
KRZ—Sudbury
KSA—Standard II.
KSAA—Socony 89
KSAO—Lake Conesus
KSB—J. E. O'Neil
KSBV—General call for all U. S. Shipping Board vessels
KSC—Katalla, Alaska
KSE—Wilmington, Calif. (Los Angeles)
KSEA—Absecon
KSEE—Mineola
KSEI—Eastern Chief
KSEU—Jonancy
KSF—Finland
KSG—Baton Rouge
KSH—Kroonland
[illegible] H. Rogers
[illegible]en White
[illegible]ake Catherine
[illegible]—Lake Benton
[illegible]—Security
KSK—Caddo
KSM—Philadelphia
KSO—St. Paul
KSOA—Polar Sea
KSOC—General call for all Standard Oil Co. vessels
KSOE—Lake Eckhart
KSOI—Lake Wimico
KSOO—Lake Duncan
KSOU—Byiayl
KSP—Caloria
KSQ—Charles Pratt
KSR—Bayway
KST—Princeton
KSU—Somerset
KSV—Standard Arrow
KSW—Royal Arrow
KSX—Sylvan Arrow
KSY—Broad Arrow
KSZ—Cora F. Cressy
KTA—San Francisco, Calif.
KTAA—Alloway
KTAI—Lake Eliko
KTAO—Lake Frances
KTAU—Eastern Star
KTB—Gulfstream
KTC—Shenango
KTD—Ligonier
KTE—Winifred
KTEA—Eastern Sea
KTEE—Western Cross
KTEI—Winnebago
KTF—J. M. Guffey
KTG—Gulfoil
KTH—Robert P. Clark
KTI—Brilliant
KTIE—Eastern Sun
KTIO—Fresno
KTIU—Lake Blanchester
KTJ—Comet
KTL—Rayo
KTM—Eocene
KTN—Perfection
KTO—John D. Rockefeller
KTOA—Lake Narka
KTOE—Mary
KTOI—Catherine
KTOO—Lake Yemassee
KTOU—Lake Markham
KTP—James McGee
KTQ—City of Everett
KTR—Radiant
KTS—Vesta
KTT—Paraguay
KTU—Sun
KTUA—Lake Ledan
KTUE—Lake Bledsoe
KTUI—Samoa
KTUO—Sagadahoc
KTUU—Lake Pachuta
KTV—Dulcino
KTX—Socony
KTY—W. C. Teagle
KTZ—Brindilla
KUA—Gulflight
KUB—Gulfmaid
KUBB—Cold Harbor
KUBD—Claremont
KUBF—San Diego
KUBG—Betterton
KUBJ—Liberty Minquas
KUBK—Bearport
KUBL—Pawlet
KUBM—St. Anthony
KUBN—Robin Goodfellow
KUBP—City of Alma
KUBQ—Mazatlan
KUBR—Lake Elva
KUBS—Indiana Harbor
KUBT—Lake Feodora
KUBV—Higbo
KUBX—Koggiung (moored vessel)
KUC—Gulf of Mexico
KUCB—New England
KUCC—Plow City
KUCD—Riverside Bridge

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Call signal—Station
KUCF—Virginia Bridge
KUCG—Des Moines Bridge
KUCJ—Holyoke Bridge
KUCK—Wanwatosa
KUCM—Lake Ikatan
KUCN—Eastern Guide
KUCP—Chisik Island, Alaska
KUCQ—W. F. Burdell
KUCR—Lake Giddings
KUCS—City of Sherman
KUCV—City of Flint
KUCX—Coldwater
KUCZ—Bridgetown
KUD—Gulfland
KUDC—Tuscan
KUDD—Argon
KUDG—West Jester
KUDK—West Cadron
KUDL—Willsolo
KUDM—Lake Elwin
KUDN—American Press
KUDP—Clontarf
KUDQ—West Himrod
KUDR—Davenport
KUDS—Rushville
KUDT—Pilot Point, Alaska
KUDV—Becharof, Alaska
KUDX—Eastern Moon
KUDZ—Eastern Gale
KUE—Gulfcoast
KUF—Mundalta
KUFB—Eastern Knight
KUFC—Lake Floravista
KUFD—Lake Florian
KUFF—Lake Floris
KUFG—Southseas
KUFJ—West Nilus
KUFK—Halti
KUFN—Steel Voyager
KUFP—Bethlehem Shipbuilding Corporation
KUFR—West Campgaw
KUFZ—Ossa
KUG—Munplace
KUGB—Eastern Mariner
KUGC—Boobyalla
KUGD—Clearwater
KUGG—Clemence C. Morse
KUGK—Sioux City
KUGM—Ripon
KUGN—Lake Haresti
KUGP—Seminole
KUGQ—Star of Holland
KUGR—Summerleaf
KUGS—Blue Triangle
KUGT—Jomar
KUGV—Willhilo
KUGX—Ellenor
KUGZ—Lillian
KUH—Munwood
KUI—Munamar
KUJ—Mundale
KUJB—The Angeles
KUJC—Bayport
KUJF—Kerhonkson
KUJK—Havalah
KUJP—Hutchinson
KUJQ—Ethan Allen
KUJR—City of Joliet
KUJS—Winston-Salem
KUJT—Eastern Belle
KUJV—Eastern Crag
KUJX—Liberty Bell
KUJZ—Quabbin
KUK—Munsomo
KUKC—Schuylkill Bridge
KUKD—East Chicago
KUKF—Fort Armstrong
KUKG—Anthracite Bridge
KUKJ—West Jappa
KUKK—Noddle Island
KUKL—Pittsburgh Bridge
KUKM—Tancarville
KUKP—Mobinkis
KUKR—Latham
KUKS—Robert Luckenbach
KUKT—Conejos
KUKV—West Hixton
KUKX—Collingsworth
KUL—Louisiana
KULB—Carolinas
KULC—Chickamauga
KULD—Lake Geyser
KULF—Fishkill
KULG—Darien
KULJ—Eastern Pilot
KULK—Horace Luckenbach
KULL—Donald McKay
KULM—Ario
KULN—Arizpa
KULP—Toopl
KULS—Outagamie
KULT—Commack
KULV—San Juan
KULX—Otho
KULZ—Lyndonia
KUM—Texas
KUMB—Lake Ganado
KUMC—Utacarbou
KUMF—Dunsyre
KUMG—Homer
KUMK—Freeport Sulphur No. 5
KUML—Oklahoma City
KUMM—West Calera
KUMN—W. E. Hutton
KUMS—Atlantic Sun
KUMT—Solitaire
KUMV—Lake Glaucus
KUMX—Lake Flag
KUN—Neptune
KUNB—Lake Harmlnia
KUNC—Lake Gmni
KUND—Eastern Glade
KUNF—George Allen
KUNG—Union Liberty

Call signal—Station
KUNJ—Evergreen City
KUNK—Neshobee
KUNL—Oronoke
KUNM—Wheeling Mold
KUNN—Jennie R. Morse
KUNP—Freeport Sulphur No. 6
KUNQ—Eastern Crown
KUNR—Eastern Victor
KUNS—City of Vernon
KUNV—Winona
KUNZ—Chickasaw City
KUO—San Francisco, Calif.
KUP—Pennsylvania
KUPB—Sucarseco
KUPD—Eastern Planet
KUPF—Habatonka
KUPG—Greenland
KUPJ—West Cahokia
KUPK—Darden
KUPL—Conness Peak
KUPM—Patrick Henry
KUPN—Capillo
KUPP—Cubore
KUPS—Naugus
KUPT—Waterbury
KUPV—Kehuku
KUPX—Hawarden
KUQ—Maine
KUQD—Crudoil
KUQG—Padusay
KUQJ—West Nivaria
KUQK—West K
KUQL—Martinio
KUQM—Las Ve...
KUQN—J. F. P...
...P—Unicoi
...Conehatta
KU...
KUQ...
KUR—G...
KURB—Hm...
KURC—Cathw...
KURD—Arcturus
KURF—Chappa...
KURG—Artiga...
KURJ—J. L. I...
KURL—John R...
KURM—Eastern ...
KURN—Manatee
KURP—Salaam
KURR—Henry Steers
KURS—Pilgrim
KURT—Brookline
KURV—Ohonkara
KURX—Eastern Coast
KURZ—Suboatco
KUSB—Suedeo
KUSC—Sunelseco
KUSF—Capital of Nebraska
KUSG—West Nomentum
KUSJ—Occidental
KUSK—City of Reno
KUSL—General call for all vessels of United States lines
KUSM—John F. Hylan
KUSN—Aquarius
KUSP—Crown City
KUSQ—James B. Duke
KUSR—Nemaha
KUSS—Pioneer
KUST—West Camak
KUSX—Baccarat
KUSZ—Adria
KUT—Pan-American
KUTB—Haxtum
KUTC—West Mahwah
KUTD—Anna E. Morse
KUTF—Eastern Maid
KUTG—Delrosa
KUTJ—Pallas
KUTK—City of Lordsburg
KUTM—John P. Reiss
KUTP—Caneo
KUTQ—Iroquois
KUTR—Springfield
KUTS—Vacuum
KUTT—Birmingham City
KUTV—Lake Furnas
KUTX—Richconcal
KUTZ—Rochester
KUU—Brabant
KUV—Virginia
KUVB—Eastern Glen
KUVC—City of Weatherford
KUVD—Sidney M. Hauptman
KUVF—Sebonac
KUVG—Eastern Tempest
KUVK—Steel Mariner
KUVL—Steel Trader
KUVP—Hastnai
KUVQ—Johnswood, Mich.
KUVR—Jordan, Mont.
KUVS—New York, N. Y.
KUVT—Jolee
KUVV—Cardonia
KUVX—Half Moon
KUVZ—West Norranus
KUW—New York
KUX—Munalbro
KUXB—West Holbrook
KUXC—San Pasqual
KUXD—Cuyamaca
KUXF—Loretta
KUXM—Cheboygan, Mich.
KUXN—Miles City, Mont.
KUXR—John Jay
KUXT—Long Beach, Calif.
KUXV—Pedrocitas, Calif.
KUXZ—Honnedaga
KUZ—Coastwise
KUZB—Cristina
KUZC—Habira

Call signal—Station
KUZD—Jim Sid
KUZF—Suholco
KUZG—Sutransco
KUZJ—Suelco
KUZK—Suporteo
KUZL—Anahnac
KUZM—Quillwark
KUZN—Pansa
KUZP—Hayden
KUZQ—Salina
KUZR—Capulin
KUZS—Ensley City
KUZT—Peter Kerr
KUZV—Dungannon
KUZX—Carib
KUZZ—Cayo Mambi
KVA—Apache
KVAA—Lake Osweya
KVAE—Lake Benbow
KVAI—Socony 82
KVAO—Socony 83
KVB—Arapahoe
KVC—Comanche
KVD—Munrio
KVE—Munindies
KVEI—West Galoc
KVF—Iroquois
KVG—Chestnut Hill
KVH—Huron
KVI—Unga, Alaska
KVII—Montclair
KVIO—Lake Pearl
KVIU—Allentown
KVJ—Walter D. Munson
KVK—Tampa
KVL—Lenape
KVM—Mohawk
KVN—Tanamo
KVO—Sagua
KVOE—Lake Garza
KVOI—Lake Gaspar
KVOO—Lake Yelverton
KVOU—Lake Gakona
KVP—Camp 62, Calif.
KVR—Elinor
KVS—Gulf Queen
KVT—Los Angeles, Calif.
KVU—San Diego, Calif.
KVUA—Lake Ormoc
KVUE—Lake Akkra
KVUO—Lake Gedney
KVUU—Lake Hewes
KVV—Koggiung, Alaska
KVW—Seattle, Wash.
KVX—Allaguash
KVY—William Isom
KVZ—Relay
KWA—Mt. Vernon Bridge
KWB—Fort Pitt Bridge
KWC—Morro Castle
KWD—Antilla
KWE—Santiago
KWF—Cauto
KWH—Los Angeles, Calif.
KWI—Camaguey
KWJ—Yucca
KWK—W. B. Keene
KWM—Panuco
KWN—Guantanamo
KWO—Port Beauclaire, Alaska
KWP—Sunoil
KWQ—Saltchuck, Alaska
KWR—Port Moller, Alaska
KWS—Lost Harbor, Alaska
KWT—Palo Alto, Calif
KWU—Katrina Luckenbach
KWV—Sacramento
KWW—Radioville, Alaska
KWX—Mexico
KWY—Monterey
KWZ—Esperanza
KXA—Boston
KXAA—Lake Alvada
KXAE—Lake Delancey
KXAI—Lake Galera
KXAO—Lake Otsquago
KXAU—Lake Harris
KXB—City of Lowell
KXC—Commonwealth
KXE—Mohawk
KXEA—Lake Pleasant
KXEE—Lake Marion
KXEI—Lake Sanford
KXEO—Lake Gardner
KXEU—Lakeville
KXF—New Hampshire
KXG—Archer
KXH—Plymouth
KXI—Priscilla
KXIE—Calaveras
KXII—Calicorock
KXIO—Calispell
KXIU—Lake Calistoga
KXJ—Providence
KXK—Funter, Alaska
KXL—City of Taunton
KXM—Mohegan
KXN—New Haven
KXO—City of Brockton
KXOA—Star of Lapland
KXOE—Severance
KXOI—Standard
KXOU—Lake Lesa
KXP—Pequonnock
KXQ—Chester W. Chapin
KXR—Richard Peck
KXT—Nebraskan
KXU—Westfield
KXUA—Lake Geneva
KXUE—Eastern Queen
KXUI—Lake Lillian
KXV—Nelson Lagoon, Alaska
KXW—Ikatan, Alaska
KXX—Stephen R. Jones
KXY—Lewis K. Thurlow

Call signal—Station
KXZ—Felix Taussig
KYA—Kanawha
KYB—North Wind
KYC—Corsair
KYD—Mount Baker
KYE—Casiana
KYG—Laguna Bell Camp, Calif.
KYH—Aloha
KYK—Karluk, Alaska
KYL—Alitak, Alaska
KYM—Armenia
KYO—Noma
KYP—Oneida
KYR—Dauntless
KYS—Yosemite
KYT—Delecto
KYU—Mohawk
KYV—Ascutney
KYZ—Thorobred
KZA—Alberta
KZAA—Middlebury
KZAB—Basco, P. I.
KZAC—Calapan, P. I.
KZAE—Lake Linden
KZAI—Lake Winthrop
KZAO—Lake Wilson
KZAU—Lake Yahara
KZB—Alicia
KZD—Cornelia
KZE—Aberdeen, Wash.
KZEA—Keketticut
KZEE—Lake Berdan
KZEI—Lake Dymer
KZEO—Lake Dancey
KZEU—Lake Agomak
KZF—Edith
KZG—Carolyn
KZH—Helen
KZIA—Lake Aurice
KZIE—Lake Winooski
KZII—Lake Belmona
KZIO—Lake Lilicusm
KZIU—Sagaporack
KZJ—Jean
KZK—Hilton
KZL—Halcyon
KZO—Margaret
KZOA—Lake Medford
KZOE—Lake Arline
KZOI—Lake Helen
KZOO—Lake Indian
KZOU—Lake Orange
KZP—Evelyn
KZQ—Ruth
KZR—Remlik III.
KZS—Santanta
KZT—Everett
KZU—United States
KZUE—Kosciuszko
KZUU—Lake Louise
KZW—Melrose
KZX—Newton
WAA—Alameda
WAAI—Shock, Ky.
WAB—Saugertles
WAC—Chicago
WAD—Victoria
WAE—Ketchikan
WAF—Admiral Farragut
WAG—Admiral Sebree
WAH—El Dorado, Kans.
WAI—Latouche
WAJ—Jefferson
WAK—Valdez
WAL—Santa Ana
WAM—Back Bay
WAN—Northwestern
WAO—Rajah
WAP—Lake Crescent
WAQ—Democracy
WAR—Cordova
WAS—Chester Sun
WAT—Skagway
WAU—Point Loma
WAV—Philippines
WAW—Admiral Watson
WAX—Miami, Fla.
WAY—Admiral Dewey
WAZ—Admiral Schley
WBA—Santa Clara
WBAI—Heffron
WBAK—Harrisburg, Pa.
WBB—Santa Ceellia
WBC—New York, N. Y. (see Babylon)
WBD—SantaCruz
WBE—Cacique
WBF—Boston, Mass.
WBG—Venezuela
WBH—Colombia
WBI—Frackville, Pa.
WBIA—Chipchung
WBJ—Santa Barbara
WBK—Saucon
WBM—Redondo
WBN—Ecuador
WBO—Santa Rosa
WBP—Hermosa
WBQ—Santa Paula
WBU—Chicago, Ill.
WBUA—Lake Gravity
WBUE—Lake Greenbrier
WBUI—Lake Gretna
WBUO—Lake Grogan
WBUU—Lake Forney
WBV—Cabrillo
WBW—Burrwood, La.
WBX—Santa Ana
WBY—Lima, Ohio
WBZ—Springfield, Mass.
WCA—Tionesta
WCAA—Tralee, W. Va.
WCB—Juniata
WCC—Marion, Mass.
WCD—Octorara
WCEE—Kuwa

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Call signal—Station
WCF—Favorite
WCG—New York, N. Y.
WCH—Huron
WCI—Barnegat, N. J. (Tuckerton)
WCIA—Bellingham
WCIE—Eastport
WCII—Invincible
WCIO—Lake Lemando
WCIU—Naiwa
WCJ—Hazelton, Pa.
WCL—Westchester
WCO—Wyandotte
WCOE—Socony 84
WCOI—Socony 92
WCOO—Liberty
WCOU—Lake Kyttle
WCQ—Negley, Ohio
WCR—The Harvester
WCS—Alpena
WCU—Comeant
WCUA—Lake Forshy
WCUE—Lake Fossil
WCUO—Lake Franconia
WCUU—Lake Fray
WCW—Woonsocket
WCY—Cape May, N. J.
WCZ—Illinois
WDA—Pere Marquette
WDB—Pere Marquette 19
WDC—Pere Marquette 17
WDD—Pere Marquette 18
WDE—Pere Marquette 20
WDEI—Crawl Keys
WDEO—Steadfast
WDEU—Bayamo
WDF—Glendarnel
WDG—Otsego
WDH—Petoskey
WDI—City of Miami
WDIA—South Pole
WDIE—Wathena
WDII—Watonwan
WDIO—Westmead
WDIU—West View
WDL—Lakeland
WDN—Ann Arbor No. 3
WDO—Ann Arbor No. 4
WDOA—Agwidale
WDOE—Auburn
WDOI—CapeMay
WDOO—Federal
WDOU—Fort Wayne
WDP—Ann Arbor No. 5
WDQ—Ann Arbor No. 6
WDR—Ruth Alexander
WDS—Hauto, Pa.
WDU—Puritan
WDUA—Lake Frazee
WDUI—Lake Freeborn
WDUO—Lake Freed
WDUU—Lake Freeland
WDV—City of Benton Harbor
WDX—Lake Tulare
WEA—City of Cleveland III.
WEC—City of Detroit II.
WED—Western States
WEE—Eastern States
WEF—City of Detroit III.
WEG—City of St. Ignace
WEH—Tulsa, Okla.
WEI—E. J. Earling
WEJ—Samuel Mitchell
WEK—Minnesota
WEL—C. A. Smith
WEM—Susquehanna
WEN—North American
WEO—South American
WEP—Western King
WER—Puget Sound
WES—Point Adams
WET—West Gotomska
WEU—Western Star
WEX—Marquette and Bessemer No. 2
WEZ—Ashtabula
WFA—Georgia
WFAE—West Galeta
WFAI—West Hobomac
WFAO—Volunteer
WFB—Alabama
WFC—Indiana
WFE—Carolina
WFEA—Eastern King
WFEE—Winding Gulf
WFEI—West Hosokie
WFEO—Westport
WFEU—Matanzas
WFF—Nevadan
WFG—Arizona
WFH—Avalon
WFIA—Western Hope
WFII—Major Wheeler
WFJ—Christopher Columbus
WFK—Frankfort, Mich.
WFL—Virginia Limited
WFN—Lake Butler
WFOA—Hickman
WFOE—Lewis Luckenbach
WFOI—Manhattan Island
WFOO—William N. Page
WFOU—Phoenix Bridge
WFP—City of Erie
WFQ—City of Buffalo
WFR—State of Ohio
WFS—Seeandbee
WFT—Charles O. Jenkins
WFU—F. B. Squire
WFUA—Lake Freezeout
WFUE—Lake Frenchton
WFUI—A. E. R. Schneider
WFUU—Oshkosh
WFV—Sir Thomas Shaughnessy
WFW—Maniton
WFX—Missouri
WFY—Sialia
WFZ—Coronado

Call signal—Station
WGA—City of Seattle
WGAA—Inglewood
WGAE—Galesburg
WGAI—Morristown
WGAO—Shreveport
WGB—Ormidale
WGC—W. F. White
WGD—Oregon
WGE—Admiral Rogers
WGEA—Easterner
WGEI—East Indian
WGG—Tuckerton, N. J.
WGIA—West Grama
WGIE—Nantahala
WGJ—Northland
WGK—Curacao
WGN—Carl D. Bradley
WGOE—Polar Bear
WGOI—Saccarappa
WGOO—Waubesa
WGOU—West Cressy
WGP—Dorothy Alexander
WGQ—City of Puebla
WGS—Admiral Fiske
WGT—Western Pride
WGUA—Oskawa
WGUI—Brandywine
WGW—Vieques, P. R.
WGX—Queen
WGZ—Guardian
WHA—Madison, Wis.
WHC—Columbia
WHE—Philadelphia, Pa.
WHF—Callao
WHG—W. F. Burrows
WHH—Mount Shasta
WHI—New York, N. Y.
WHJ—Gdansk
WHL—Ventura
WHM—Sonoma
WHP—Point Arena
WHR—Abner Coburn
WHS—W. R. Chamberlain, Jr.
WHT—Rogers, Mich.
WHV—Velero II.
WHY—Martinsville, Ill.
WHZ—Johanna Smith
WIA—Silver Shell
WIB—Gold Shell
WIC—Pearl Shell
WID—Charles E. Harwood
WIE—Edward L. Doheny
WIF—Herbert G. Wylie
WIG—Norman Bridge
WIH—C. A. Canfield
WII—New Brunswick, N. J. (transmitting)
Belmar, N. J. (receiving)
WIJ—Edward L. Doheny, Jr.
WIM—Chatham, Mass.
WIN—Colusa
WIO—Fort Morgan Ala.
WIQ—Frederic R. Kellogg
WIS—E. R. Sterling
WIT—George G. Henry
WIU—Restorer
WIV—Oscar D. Bennett
WIW—J. M. Danziger
WIX—Harold Walker
WIY—William Green
WJA—Andalusia
WJAA—Sangamon
WJAI—Yuma
WJAO—M. J. Scanlon
WJAV—Princeton, Ind.
WJB—Lawrenceville, Ill.
WJC—Owensboro, Ky.
WJE—Skagit Power Site, Wash.
WJEI—Mary Weems
WJEO—Phoenix
WJG—Porto Rico
WJIA—West Zucker
WJIE—Guimba
WJII—Oskaloosa
WJIO—Independence
WJIU—Schenectady
WJJ—Tullahoma, Tenn.
WJL—Wachusett
WJM—J. C. Donnell
WJN—Munaires
WJO—Commercial Guide
WJOA—West Elcasco
WJOE—West Eldara
WJOI—West Loquassuck
WJOO—West Madaket
WJOU—West Kyska
WJP—Stuyvesant
WJQ—Jackson, Ohio
WJR—W. M. Tupper
WJS—Amphion
WJU—Commercial Pathfinder
WJUI—Cohasset
WJUO—Magunkook
WJV—Guaro
WJW—Wyandotte
WJZ—Newark, N. J.
WKA—Alaskan
WKAE—Socony 85
WKAI—Lake Zaliskl
WKAO—Lake Pickaway
WKAP—Cranston R. I.
WKAU—Lake Copley
WKB—Arizonan
WKD—Dakotan
WKE—Kentuckian
WKEA—Lake Deval
WKEE—Lake Cahoon
WKEI—Lake Ypsilanti
WKEO—Goodspeed
WKF—American
WKG—S. M. Spalding
WKH—Guntersville, Ala.
WKII—Eastern Light
WKIO—Eastern Shore
WKIU—Eastern Cross

Call signal—Station
WKJ—Iowan
WKK—Ceiba, P. R.
WKL—Mexican
WKM—Minnesotan
WKO—Oregonian
WKOO—Connersville
WKP—Pennsylvanian
WKQ—Ohioan
WKR—Panaman
WKS—West Arrow
WKT—Texan
WKU—Hawaiian
WKUI—Western Belle
WKUU—West Zeda
WKV—Virginian
WKW—Absaroka
WKX—Westward Ho
WKZ—Canoga
WLA—Benj. F. Packard
WLAA—Sarcoxie
WLAC—Raleigh, N. C.
WLAE—Barlow
WLAI—Lake Grandon
WLAU—Lake Fluvanna
WLC—New London, Conn.
WLD—Ludington, Mich.
WLE—Maitland No. 1
WLEA—Lake Farge
WLEE—Lake Faristell
WLEI—Lake Forkville
WLEO—Lake Cathcoon
WLEU—Lake Fugard
WLF—Coosa
WLG—Yucatan
WLH—Fort Bragg
WLI—Westbrook
WLIA—Santa Teresa
WLII—Goree
WLIO—Nantasket
WLJ—Monticello
WLL—Greenwood
WLM—Stanley Dollar
WLN—Black Arrow
WLO—Orion
WLOO—Cadaretta
WLP—Minneapolis, Minn.
WLQ—Sabine Sun
WLR—Floridian
WLS—President Arthur
WLT—Neuse
WLUI—Alamosa
WLUO—Alcona
WLUU—Ingold
WLY—Paul Luckenbach
WLZ—Montpelier
WMA—Multonomah
WMAA—Lake Furley
WMAE—H. W. Baxter
WMAI—Makena
WMAO—Makaweli
WMD—West Shore
WMEA—Charles L. O'Connor
WMEE—Michael Tracy
WMEI—Cotopaxi
WMEO—F. A. Warner
WMEU—Cottonwood
WMF—Celilo
WMG—Wapama
WMI—Minnesota
WMIO—W. H. McGean
WMIU—Charles L. Hutchinson
WMJ—Ernest H. Meyer
WMK—Hyades
WML—Lurline
WMM—Freeman
WMN—Enterprise
WMO—Wilhelmina
WMOA—Tillamook
WMP—Matsonia
WMQ—Manoa
WMR—Maui
WMS—Wahkeena
WMT—Point Bonita
WMUA—Wheaton
WMUE—Cokato
WMUI—Charlot
WMUO—Panola
WMV—Kermit
WMW—Manitowoc, Wis.
WMY—A. M. Byers
WMZ—Commercial Trader
WNA—Springfield, Ohio
WNAA—Craincreek
WNAE—Cranenest
WNAI—Craycroft
WNAO—Lake Callicoon
WNAU—Lake Fresco
WNB—El Capitan
WNC—Wabash
WND—Windber
WNE—Nushagak
WNEA—Lake Charlottesville
WNEO—Dio
WNG—Otto M. Reiss
WNH—Clemens A. Reiss
WNI—William A. Reiss
WNIE—Agawam
WNII—Challenger
WNIO—Python
WNIU—Cornucopia
WNK—Richard J. Reiss
WNL—Lake St. Clair
WNM—Florence Luckenbach
WNN—Mobile, Ala.
WNP—Bowdoin
WNQ—Frederic Ewing
WNR—Rush
WNS—Kvichak
WNU—New Orleans, La.
WNUO—Brookdale
WNY—Hatteras
WNW—San Ramon
WNX—Peter Reiss
WNY—Brooklyn, N. Y.
WNZ—F. J. Luckenbach

Call signal—Station
WOA—Admiral Rodman
WOC—Davenport, Iowa
WOD—Beaumont, Tex.
WOF—Horace X. Baxter
WOG—Fred Baxter
WOJ—Iris
WOL—Los Angeles
WOM—William A. McKenney
WON—La Brea
WOP—Lake Elizabeth
WOT—Coalinga
WOV—Venetia
WOW—Henry J. Biddle
WOX—Levi G. Burgess
WOY—Queen II.
WPAE—Sag Harbor
WPAI—Yomachichi
WPAO—Wilscox
WPC—Tyee
WPD—Tampa, Fla.
WPF—Camp Eustis, Va., Flagship Div. I
WPH—S. M. Fischer
WPIE—Corrales
WPII—Corsicana
WPIO—Lake Fostoria
WPIU—Lake Fouche
WPK—Willapa
WPL—St. Croix Falls, Wis.
WPN—Pioneer
WPOO—Washtenaw
WPOU—Charles M. Everest
WPQ—Zapora
WPR—Ensenada, P. R.
WPS—Starr
WPUE—Caddopeak
WPUI—Callabasas
WPUO—Cascade
WPUU—Coaxet
WPX—Oneonta
WPY—Wallula
WQD—Hisko
WQE—Harvey H. Brown
WQEA—Lithopolis
WQEE—Everglades
WQEO—West Zula
WQEU—Canibas
WQF—Harry W. Croft
WQG—Fayette Brown
WQH—M. A. Bradley
WQI—Costa Rica
WQII—Holbrook
WQIO—Neponset
WQJ—Sarah Weems
WQK—St. James, N. Y.
WQL—Coram Hill, N. Y.
WQOA—Esther Weems
WQOE—Garfield
WQQ—Rappahannock
WQR—Nansemond
WQS—Artemis
WQT—Watauga
WQU—Cuba
WQUA—Cokesit
WQUO—Iconium
WQUU—Jacona
WQW—Jeannette Skinner
WQZ—West Eagle
WRA—O. A. Hermanson
WRAE—Alabama
WRAI—Allegheny
WRD—D. G. Scofield
WRE—J. A. Moffett
WREA—West Lashaway
WREE—Wanconda
WREI—Quistconck
WREO—Zirkel
WREU—Governor John Lind
WRF—Amelia
WRG—Annetta
WRH—Harvard
WRI—Paraiso
WRIE—Lake Gorin
WRIO—Star 1
WRJ—Admiral Goodrich
WRN—Siboney
WRO—Middlesex
WROA—Westpool
WROE—Indianapolis
WROI—Lydia
WROO—E. L. Doheny, third
WRQ—Marion, Mass. (Matapoisett)
WRS—Suffolk
WRT—New Brunswick, N. J. (Bound Brook)
WRUO—Quittacas
WRV—Alliance
WRX—Ozama
WRY—Yale
WRZ—Rainier
WSA—East Hampton, N. Y.
WSD—Redwood
WSE—East Moriches, N. Y.
WSEA—Defiance
WSEE—W. L. Steed
WSEI—Cricket
WSEO—Lake Fondulac
WSEU—Lake Buckeye
WSF—Agnes Dollar
WSG—Norwood
WSI—Santa Inez
WSJ—Edna Christenson
WSM—Fair Oaks
WSN—Leviathan
WSO—Marion, Mass. (transmitting)
Chatham, Mass. (receiving)
WSOI—West Sequana
WSOO—Crathorne
WSP—Westhampton
WSO—Vizcaya
WSR—Rence
WSS—St. Nicholas
WST—New London, Conn.
WSU—Republic
WSUA—West Helix

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Call signal—Station
WSUE—West Wauna
WSUI—West Wauneke
WSUU—Lake Gradan
WSW—Willamette
WSZ—Bremerton
WTAA—Lake Beacon
WTAE—Lake Desha
WTAI—Lake Mattato
WTAO—Lake Lieoco
WTC—Lansing
WTD—Oleum
WTE—Tamesi
WTEE—Cedar Spring
WTEI—Ceralvo
WTEO—Ceroseo
WTEU—Coperas
WTF—Westwood
WTH—Westlake
WTII—Soeony 90
WTIO—Soeony 94
WTIU—Deerfield
WTJ—Sutherland
WTM—W. S. Porter

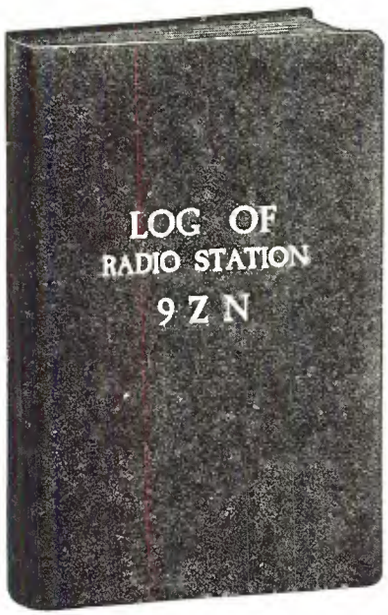
Call signal—Station
WTN—Wm. F. Herrin
WTO—Frank H. Buck
WTOO—Toiler
WTOU—Coulee
WTQ—El Segundo
WTR—Richmond
WTS—Col. E. L. Drake
WTT—Atlas
WTUE—Laurel
WTUI—Calvert
WTUO—Houma
WTUU—West Mahomet
WTV—Captain A. F. Lucas
WTW—Ossineke
WTY—S. O. Co. No. 93
WTZ—S. O. Co. No. 95
WVAA—Coquina
WVAE—Corapeak
WVAI—Nancy Weems
WVAO—Conotton
WVAU—Contoocook
WVEI—Basco
WVEU—Isanti

Call signal—Station
WVIA—Lake Gormania
WVIU—Lake Govan
WVOE—Elecedro
WVOI—Munmotor
WVOO—John Tracy
WVOU—Anthony O'Boyle
WVUA—Courageous
WWA—China
WWAA—General call for all Radio Corporation of America vessels
WWC—Western Wave
WWE—Manchuria
WWH—Newport
WWJ—Detroit, Mich
WWK—Western Queen
WWM—San Juan
WWN—Mongolia
WWP—Ausable
WWR—Rose City
WXAA—Ozaukee
WXEA—Western Scout
WXEI—Western Comet
WXEO—West Cape

Call signal—Station
WXEU—Yukon
WXIA—Victorious
WXOA—Brookings
WXOE—W. J. Crosby
WXOI—Penobscot
WXOO—Craigsmere
WXUI—Hampden
WXUO—Monmouth
WZAA—L. J. Drake
WZAE—West Humhaw
WZAU—E. C. Pope
WZEA—Saxon
WZEE—Maruba
WZEU—North Pines
WZIU—Western Plains
WZOA—West Africa
WZOE—Lake Gratis
WZOI—Lake Grattan
WZOO—Lake Gravella
WZOU—Lake Gravett
WZUA—Norfolk
WZUE—Newburgh

No Radio Station is Complete Without a

RADIO LOG



RADIO STATION LOG

Date	Station	Time	Q S S	Q R N	Char	Tone	Remarks

THE Citizens Radio Service Bureau has made arrangements to furnish at cost, a genuine Art Leather, 6x9½ inch, double snap ring, loose leaf cover, with your name stamped in gold, containing 100 log sheets. These log sheets are so arranged that you can record the position of all adjustments on your receiver, where the different stations are heard.

Sent upon receipt of $1.85, include 15c for postage. Please print your name plainly.

CITIZENS RADIO SERVICE BUREAU

508 South Dearborn Street
CHICAGO ILL.

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Land Radio Stations of the World

AZORES

Corvo	PQC
Fajal	PQH
Flores	PQF
Santa Maria	
São Miguel	
S. Maria	PQK
S. Miguel	PQM
Terceira Radio	PQT

SOUTH AFRICA

Capetown Radio	VNC
Dassen Island Radio	VNF
Durban Radio	VND
Jacobs, Natal Radio	VNI
Port Elizabeth Radio	VNQ
Port Nolloth Radio	VNJ

FRENCH EQUATORIAL AFRICA

Loango	FGO

FRENCH WEST AFRICA

Conakry	FCO
Dakar	FDA
Grand Bassam	FBA
Port-Etienne	FPE
Rufisque	FRU
Tabou	FTA

PORTUGUESE EAST AFRICA

Beira	CRT
Inbambane	CRY
Lourenco Marques	CRZ
Mocambique	CRV
Quelimane	CRW

ALASKA

Akutan	KMW
Akutan	KTK
Alitak	KYL
Becharof	KUDV
Bethel	WVI
Cape Edwards	KEY
Cape Hinchenbrook	NRM
Carlisle	KOV
Chichagof	KRX
Chignik	KHC
Chignik	KNP
Chisik Island	KUCP
Circle	WVA
Clarks Point	KHG
Cordova	NPA
Craig	WXO
Daly	KDJT
Dutch Harbor	NPR
Egegik	KMF
Ekuk	KMG
Fairbanks	WVB
False Pass	KJL
Fort Egbert	WVC
Fort Gibbon	WVD
Fort Yukon	WXX
Funter	KXK
Hawk Inlet	KKAI
Holy Cross	WVK
Hyder	KDFA
Iditarod	WXL
Ikatan	KXW
Jualin	KJA
Juneau	NVD
Kanatak	KGC
Karluk	KYK
Ketchikan	NVH
King Cove	KJK
Kodiak	NPS
Koggiung	KUBX
Koggiung	KVV
Kotlik	WVF
Kussilof	KKAO
Kvichak	KHB
Latouche	KIM
Lazy Bay	KEPS
Libbyville	KMT
Livengood	WUV
Lockanok	KML
Lost Harbor	KWS
Marshall	KIS
McGrath	WXV
Metha Nelson	KMP
Nakat Inlet	KDW
Naknek	KHT
Naknek	KMK
Nelson Lagoon	KXV
Nixon Fork	KDRY
Nome	WVG
Noorvik	WVM
Nulato	WVH
Nushagak	KKAE
Pearl Creek Dome, Cold Bay oil district	KFU
Pilot Point	KUDT
Pirate Cove	KOXN
Port Althorp	KLW
Port Beauclaire	KWO
Port Moller	KWR
Port Walter	KEQ
Radioville	KWW
Ruby	KDRH
Saltchuck	KWQ
Seldovia	KEA
Seward	NPV
Sitka	NPB
Snag Point	KHF
Soapstone Point	NUW
S. George	NPY
S. Michael	WVE
S. Paul	NPQ
Tenakee	KOSC
Ugasbik	KMU
Unga	KVI
Uyak	KHA
Warren	KDJU
Washington Bay	KQS
Wrangell	WVJ
Yakutat	KKA

GERMANY

Adlergrund Feuerschiff	KAG
Amrumbank Feuerschiff	KAF
Arngast Leuchtturm	KAT
Aussenjade Feuerschiff	KAU
Borkum F. R. A.	KBO
Borkum F. S.	KBM
Borkum Riff Feuerschiff	KBR
Bremerhaven Lloydhalle	KBH
Cuxhaven	KBX
Eider Feuerschiff	KAJ
Eiderlotsengaliote Feuerschiff	KBL
Elbe Feuerschiff Eins	KBF
Fehmarnbelt Feuerschiff	KBC
Friedrichsort F. S.	KBK
Helgoland	KAH
List F. R. A.	KAO
List F. S.	KAL
Norddeich	KAV
Nordholz F. R. A.	KBQ
Nordholz F. S.	KBN
Pillau F. S.	KAP
Sassnitz	KBV
Stolpmünde F. S. und F. R. A.	KAY
Swinemünde	KAW
Warnemünde F. R. A.	KBY
Warnemünde F. S.	KBE
Weser Feuerschiff	KBW
Wilhelmshaven III. Einfahrt F. S.	KAN

ADMIRALTY ISLANDS

Manus Radio	VZO

ANGOLA

Cabinda	CRQ
Huambo	CRLL
Loanda	CRL
Lobito	CRO
Malange	CRLM
Mossamedes	CRM
Novo Redondo	CRN

ARGENTINE REPUBLIC

Año Nuevo	LIO
Buenos Aires	LIA
Cabo de las Vígenes	LJE
Colegio Militar	LNG
Comando Ira División Ejercito	LNR
Comando Ida División Ejercito	LNS
Comodoro Rivadavia	LIJ
Comodoro Rivadavia	LLJ
Cordoba, Argentina	LNC
Corrientes	LIG
Corrientes	LPC
Dársena Norte	LIH
Dirección General de Arsenales de Guerra	LNA
Eldorado, Misiones	LIT
El Palomar	
Faro San Antonio	LJA
Formosa	LIU
Gallegos	LIC
Intersección Rio de la Plata Ponton	LJL
La Paz, Entre Ríos	
Linlers	LNL
Martin Garcia	LIY
Mendoza	LNM
Palomar (El)	LND
Paraná	LPB
Paz, Entre Ríos (La)	LIW
Posadas, Misiones	LIV
Practicos Recalada Rio de la Plata Ponton	LJK
Puerto Aguirre	LIS
Puerto Bermejo	LPD
Puerto Militar	LII
Punta Delgada, Chubut	LJC
Punta Mogotes	LJB
Recalada Bahio Blanca Ponton Faro	LJM
Río Grande. Tierra del Fuego	LJF
Río Santiago	LIZ
Rosario de Santa Fé	LPA
San Julian, Santa Cruz	
S. Julian, Santa Cruz	LJD
Trelew	LIB
Tucuman	LNT
Ushuaia	LIK
Zarate, Buenos Aires	LIX

AUSTRALIAN COMMONWEALTH

Adelaide Radio	VIA
Brisbane Radio	VIB
Broome Radio	VIO
Cooktown Radio	VIC
Darwin Radio	VID
Esperance Radio	VIE
Flinders Island Radio	VIL
Geraldton Radio	VIN
Hobart Radio	VIH
King Island Radio	VZE
Melbourne Radio	VIM
Perth Radio	VIP
Rockhampton Radio	VIR
Sydney Radio	VIS
Thursday Island Radio	VII
Townsville Radio	VIT
Willis Islets	CGI
Wyndham Radio	VIW

BAHAMAS

Bimini	VSC
Governors Harbour	VSE
Harbour Island	VSF
Inagua	VSG
Nassau, Bahamas	VPN

BELGIUM

Anvers Radio	OSA
Bruxelles Haren-Aérodrome	OPVH
Ostende-Aérodrome	OPVO
Ostende Radio	OST
Uccle Bruxelles-Institut météorologique	OPO

BERMUDA

Bermuda Dockyard	BZB
Somerset Island	BZR

BOLIVIA

Ballivián	CPA
Cohija	CPG
D'Orbigny	CPB
Esteros	CPD
Riberalta	CPE
Santa Ana, Bolivia	
S. Ana,	CPJ
Todos Santos	
Trinidad	CPI
Viacha	CPF
Villa Bella	CPH
Yacuiba	CPC

BRITISH NORTH BORNEO

Jesselton	VQA
Kudat	VQD
Sandakan	VQB
Tawao	VQC

BRAZIL

Abrolhos	SNN
Amaralina	SPA
Anhatomirim	SOD
Armação	SNW
Babylonia	SPY
Belém, Pará	SPB
Cabo de São Thomé	SPT
Cruzeiro do Sul	SQC
Escola Naval	SOV
Escola Radio	SPE
Fernando de Noronha	SPN
Fortaleza da Lage	PTL
Fortaleza de Imbuhy	PTI
Fortaleza de Santa Cruz	PTC
Fortaleza de S. João	PTJ
Ilha das Cobras	SNI
Ilha de Mocanguê	SOQ
Ilha do Boqueirão	SNQ
Ilha do Governador	SOH
Ilha Raza	SNZ
Juncão	SPJ
Labrea, Brazil	SQL
Ladario	SNU
Manãos	SQM
Mont' Serrat	SPS
Natal, Norte	SNR
Nictheroy	PTN
Olinda, Pernambuco	SPO
Porto Velho	SQV
Quartel General	PTQ
Rio Branco, Acre	SQR
Santarém Pará	SOS
Senna Madureira	SQN
Taranacá	SQT
Villa Militar	PTV
Villegaignon	SNV
Xapury	SQX

BULGARIA

Varna	LZF

CANADA

Alert Bay	VAF
Barrington Passage	VAL
Belle Isle	VCM
Bull Harbour	VAG
Camperdown, Nova Scotia	VCS
Canso D. F.	VAX
Cape Bear	VCP
Cape Lazo	VAC
Cape Race	VCE
Cape Race D. F.	VAZ
Cape Sable	VCU
Chebucto Head D. F.	VAV
Clarke City	VCK
Dead Tree Point	VAH
Digby Island	VAJ
Estevan, British Columbia	VAE
Fame Point	VCG
Father Point	VCF
Glace Bay	VAS
Gonzales Hill	VAK
Grindstone Island	VCN
Grosse Isle, Quebec	VCD
Halifax Dockyard	VAA
Heath Point Lightsbip	VCI
Kingston, Ontario	VBH
Le Pas, Manitoba Lurcher Lightship	VDR
Midland, Ontario	VBC
Montreal	VCA
North Sydney, Nova Scotia	VCQ
Pas, Manitoba (Le)	VBM
Point Amour	VCL
Point Edward	VBE
Point Grey	VAB
Port Arthur, Ontario	VBA
Port Burwell	VBF
Port Nelson, Manitoba	VBN
Quebec	VCC
Sable Island	VCT
Sault Ste. Marie, Ontario	VBB
St. John D. F. St. John, New Brunswick	
S. John D. F.	VAR
S. John, New Brunswick	VAR
Tobermory, Ontario	VBD
Toronto	VBG

CANARY ISLANDS

See under Spain

CAPE VERDE ISLANDS

São Vicente de Cabo Verde S. Vicente de Cabo Verde	CRF

CEYLON

Colombo Radio	VPB
Matara, Ceylon	BZE

CHILE

Antofagasta	CCB
Arica	CCA
Bories	CCV
Coquimbo	CCC
Evangelistas	CCY
Felix, Chile	CCZ
Huafo	CCQ
Juan Fernandez	CCD
La Mocha, Chile Llanquihue	CCO
Mocha, Chile (La)	CCN
Punta Arenas Apostadero	CCX
Punta Arenas Catalina	CCW
Raper	CCS
Rio Aysen	CCR
Santiago Espejo	CCI
Santiago Moneda	CCG
Santiago Universidad	CCH
Talcahuano Escuela de Torpedos	CCL
Talcahuana Rocuant	CCK
Valparaiso P. Ancha	CCE

CHINA

Canton	XNP
Chefoo	
Foochow	XOW
Kalgan	XQL
Peking	NPP
Peking	XPK
Quang-Tchéou-Wan	FWA
Shanghai	NPJ
Shanghai	XSH
Shanghai-Zikawei	FFZ
Tientsin	WUQ
Tsungming	XSU
Woosung, Kiangsu	KSG
Wuchang	XOC

CYPRUS

Famagusta	BXF

COCOS-KEELING ISLANDS

Cocos	VPK

REPUBLIC OF COLOMBIA

Cartagena, Rep. Colombia	CTG
Puerto Colombia	HJB

BELGIAN CONGO

Banana	ONA

GOLD COAST

Accra	VPG

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FRENCH SOMALI COAST

Djibouti	FJJ

CUBA

Baracoa	PWE
Chaparra	PWD
Fé (La)	PWG
Guantanamo	NAW
La Fé	
Morro	PWA
Nueva Gerona	PWB
Pinar del Rio	PWF
Santa Clara, Cuba	
S. Clara	PWC

CURACAO (Colony of)

Aruba	PJA
Bonaire	PJB
Curaçao	PJC
Philipsbourg	PJD

CYRENAICA

Bengasi Radio	ICJ
Cirene Radio	IDN
Derna Radio	ICO
Tobruch Radio	ICU

DENMARK

Anholt Knob	OUR
Blaavand Radio	OXB
Drogden	OUW
Gilleleje Flak N.	OUE
Gjedser	OXC
Gjedser Havn	OXD
Gjedser Rev	OUU
Graadyb	OUX
Horns Rev	OUZ
Kjöbenhavn Radio	OXA
Læsö Rende	OUK
Læsö Trindel	OUT
Lyngby Radio	OXE
Schnitz Grund	OUC
Skagens Rev	OUB
Thorshavn	OXJ
Tveraa	OXK
Vyl	OUY

DANZIG (FREE TOWN OF)

Danzig	KAZ

DODECANESE

Rodi	JCW
Stampalia	IDA

DOMINICAN REPUBLIC

La Romana	
Romana (La)	HIB
San Domingo City	
S. Domingo City	NJG

EGYPT

Abu Zabal Radio	SUC
Alexandria Radio	SUH
Port Sudan Radio	SUD

ECUADOR

Esmeraldas	HCE
Guayaquil	HCG
Quito	HCQ

ERYTHREA

Assab Radio	ICY
Massaua Radio	ICX
Massaua Radio	IRG
Mersa Fatma	IRT

SPAIN

Mother-country

Alcázares (Los)	ECLD
Alhucemas	EGO
Almeria	EGA
Aranjuez	EAA
Barcelona	EGE
Barcelona Radio	EAB
Bilbao	EGH
Cabo de Palos	EAP
Cabo Finisterre	EAF
Cabo Mayor	EAS
Cádiz	
Cádiz Radio	EAC
Carraca (La)	CLZ
Cartagena	EBX
Ceuta	EGD
Coruña	EGJ
Cuatro Vientos	ECLA
Ferrol (Le)	EBW
Getafe	ECLC
Guadalajara	EGZ
La Carraca	
Las Palmas Radio	
Le Ferrol	
Los Alcázares	
Madrid	EBZ
Madrid	EGC
Madrid-Direccion Aeronáutica militar	ECLB
Mahon	CLM
Mahon	EGI
Málaga	EGM
Matagorda	
Melilla	EGB
Palmas Radio (Las)	EAL
San Fernando Cádiz	
Sevilla	ECLE
Sóller Radio	EAO
S. Fernando Cádiz	EBY
Tenerife Radio	EAT
Valencia	EGG
Vigo	EAV
Cabo Juby	EGL
Larache	EGF
Santa Isabel de Fernando Póo	
S. Isabel de Fernando Póo	EAY
Tetuán	EGK

ESTHONIA

Narva	AZN
Nekmangrund bateau-phare	AZQ
Reserve bateau-phare	AZX
Revalstein bateau-phare	AZR
Sarilchev bateau-phare	AZS
Tallinn	AZA
Tartu	AZU

FRENCH SETTLEMENTS IN OCEANIA

Makatea	FFY
Papeete, Ile Tahiti	FOP

FALKLAND ISLANDS

Falkland Islands	BZN
Fox Bay	VQZ

FERNANDO PO
FAROE ISLANDS
FIJI ISLANDS

Labasa	VPE
Savu Savu	VQL
Suva	VPD
Taveuni	VPF

FINLAND

Abo	OJE
Hangö	OJD
Helsingfors	OJA
Kotka	OJC
Waasa	OJG
Wiborg	OJB

FRANCE AND ALGERIA

Ajaccio-Aspretto	FUI
Alger T. S. F.	FFA
Aubagne	FUG
Bernières-Gonio	FEB
Berre-Bouches-du-Rhône	FED
Bonifacio T. S. F.	FFC
Bordeaux T. S. F.	FFX
Boulogne-sur-Mer T. S. F.	FFB
Cherbourg-Gonio	FUC
Cherbourg-Rouges Terres	FUC
Cuers-Pierrefeu	FUO
Dieppe	FFI
Djidjelli-Gonio	FEJ
Dunkerque-Castelnau	FUD
Gris-Nez-Gonio	FEN
Guipavas-Gonio	FEG
Havre T. S. F. (Le)	FFH
Hourtin	FUH
La Mitre-Gonio	
La Trinité-Gonio	
Le Havre T. S. F.	
Lorient-Gonio	FUN
Lorient-Pen-Mané	FUN
Marseille-Gonio	FEL
Marseille T. S. F.	FFM
Mengam	FUE
Mitre-Gonio (La)	FEM
Moulin du Seigneur-Gonio	FEI
Nantes Basse-Lande	UA
Nice T. S. F.	FFN
Oran-Aïn-el-Turck	FUK
Ouessant-Gonio	FEO
Ouessant T. S. F.	FFU
Penmarch-Gonio	FEP
Pointe-du-Raz-Gonio	FER
Porquerolles	FUQ
Rochefort-sur-Mer	FUR
Rouen Port	HYA
Saintes Maries de la Mer T. S. F.	
Saint-Nazaire Ville-ès-Martin-Gonio	
Saint-Raphaël	
Soubise-Gonio	FES
S. Maries de la Mer T. S. F.	FFS
S. Nazaire Ville-ès-Martin-Gonio	FEZ
S. Raphaël	FUF
Toulon-Mourillon	FUT
Tréguier-St-Gonery-Gonio	FET
Trinité-Gonio (La)	FEX

GAMBIA

Bathurst	VSH

GIBRALTAR

Gibraltar North Front	BWW
Gibraltar Rock	BYW

GILBERT AND ELLICE ISLANDS

Ocean Island	VQK

PERSIAN GULF

Bahrein	VTE
Bushire	VTB
Henjam	VTH
Lingah	VTL

GREAT BRITAIN

Aberdeen	BYD
Admiralty	BYA
Air Ministry, London	GFA
Andover, Hants.	GFI
Baldonnel	GFB
Ballycastle Radio	GSL
Bar Lightship	GKD
Berwick DF	BVG
Bunbeg	BYR
Caister-on-Sea Radio	GCS
Calshot	GFL
Carnarvon Radio	MUU
Castle Bromwich Radio	GEC
Cattewater	GFM
Cleethorpes Radio	BYB
Clifden Radio	MFT
Corkbeg	BYQ
Cranwell	GFC
Crookhaven	GXO
Cross Sand Lightship	GVA
Croydon Radio	GED
Cullercoats Radio	GCC
Culver Cliff	BYM
Devizes Radio	GKU
Didsbury, Lancs	GEM
Donibristle	GFK
East Goodwin Lightship	GVB
Fastnet	GNJ
Felixstow	GFF
Fishguard Radio	GRL
Flamborough DF	BVN
Folkestone Harbour Radio	GUR
Gez	GEZ
Grain	GFG
Grimsby Radio	GKZ
Guernsey Radio	GKA
Gull Lightship	GVC
Heysham Harbour Radio	GKG
Horsea	BYC
Howden	GFZ
Inchkeith	BZA
Ipswich	BYE
Isle of Man Radio	GDX
Kingstown	BWK
Land's End Radio	GLD
Lee-on-Solent	GFW
Lerwick Radio	GEL
Lizard DF	BVY
Lochboisdale Radio	GCB
Lympne Radio	GEG
Malin Head Radio	GMH
Newhaven Radio	GNV
Niton Radio	GNI
North Foreland Radio	GNF
Northolt Radio	GKB
Ongar Radio	GLA
Ongar Radio	GLB
Ongar Radio	GLO
Oxford Radio	GBL
Parkeston Quay Radio	GPQ
Pembroke	BYF
Poldhu Radio	MPD
Portland Bill	BYN
Portpatrick Radio	GPK
Portsmouth Signal School	BZC
Pulham	GEP
Queenstown	BWQ
Rame Head	BYO
Rathlin Island Radio	GRN
Renfrew Radio	GER
Rosyth	BYH
Seaforth Radio	GLV
Sheerness	BYK
Shotwick	GFO
South Goodwin Lightship	GVD
Stonehaven Radio	GSW
Sunk Lightship	GVE
Tobermory Radio	GCA
Tongue Lightship	GVF
Valentia Radio	GCK
Wick Radio	GKR

GREECE

Alexandroupolis	SXD
Athènes No 1	SXA
Athènes No 2	SXA
Athènes Botanique No 1	SXG
Athènes Botanique No 2	SXG
Fassa	SXF
Isthme de Corinthe	SXI
Kérkyra No 1	SXK
Kérkyra No 2	SXK
Kérkyra No 3	SXK
Poros	SXP
Salamis	SXL
Thessaloniki	SXC
Vari	SXB

GUADELOUPE

Destrellan	FKD

GUAM ISLAND

Guam	NPN

BRITISH GUIANA

Demerara	BZL

FRENCH GUIANA

Cayenne	HZA

DUTCH GUIANA

Moengo	PJO
Paramaribo Radio	PJN

HAYTI REPUBLIC

Port au Prince	NSC

HAWAIIAN ISLANDS

Honolulu	KYQ
Honolulu	NPM
Kahuku	KGI
Kahuku	KIE
Kaunakakai	KHO
Kawaihae	KHN
Lahaina	KHL
Lihue	KHM
Pearl Harbor	NPM
Wahiawa	KHK

BRITISH HONDURAS

Belize	VPP

HONG KONG

Cape D' Aguilar	VPS
Stonecutters Island	BXY

HUNGARY

Csepel	HB

BRITISH INDIA

Allahabad Radio	VWA
Bombay Radio	VWB
Calcutta Radio	VWC
Delhi Radio	VWD
Diamond Island	VTD
Jutogh Radio	VWJ
Karachi Radio	VWK
Lahore Radio	VWL
Madras Radio	VWM
Maymyo Radio	VTM
Mhow Radio	VWH
Nagpur Radio	VWN
Patna Radio	VVP
Peshawar Radio	VWP
Poona Radio	VVO
Port Blair	VTP
Quetta Radio	VWQ
Rangoon Radio	VTR
Secunderabad Radio	VWT
Victoria Point	VTV

DUTCH EAST INDIES

Amboina Radio	PKE
Balikpapan Radio	PKF
Koepang Radio	PKD
Malabar Radio	PKX
Manokwari Radio	PKK
Neira Radio	PKJ
Sabang Radio	PKA
Semarang Radio	PKN
Sitoebondo Radio	PKC
Soerabaja	PKH
Tarakan Radio	PKG
Tjilatjap Radio	PKM
Weltevreden Radio	PKB

BRITISH WEST INDIES

Barbados	VPO
Christiana, Jamaica	BZQ
Kingston, Jamaica	VQI
Saint Lucia, West Indies	
S. Lucia, West Indies	VQH
Tobago	VPM
Toco, Trinidad	VQG
Trinidad	VPL

FRENCH INDO-CHINA

Cac-Ba	FCB
Fort-Bayard	FWA
Hanoï	FAO
Kien-An	FKA
Moncay	FMI
My-Tho	FCA
Phu-Quoc	FPK
Poulo-Condore	FPR
Tourane	FLT

IRAQ

Basrah Radio	VTC

ICELAND

Flatey á Breidafirdi	TFB
Reykjavik Radio	TFA
Vestmannaeyjar Radio	TFC

ITALY

Alessandria	
Ancona	
Ancona	IQW
Aspio Radio	ICA
Bologna	
Brescia	
Brindisi Radio	ICE
Cagliari	
Capo Sperone Radio	ICR
Catania	
Catanzaro	
Chieti	
Civitavecchia Radio	IDL
Cotrone Radio	IDH
Cuneo	
Firenze	
Genova	
Genova Radio	ICB
Guglielmo Marconi	ICI
Lampedusa	ICL
Lipari	IDD
Livorno	IDK
Maddalena Radio	ICH
Messina	IFM
Messina Radio	ICF
Milano	
Murano R. G.	IRM
Napoli Radio	ICN
Novara	
Padova	
Palermo Radio	ICP
Pantelleria	ICG
Perugia	
Piacenza	

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Pola	IQZ
Potenza	
Ravenna	
Reggio Calabria	IFR
Roma	
Roma Centocelle	ICD
Roma San Paolo	IDO
Salerno	
San Cataldo di Bari	
Saseno	IDB
Spezia	ICS
Stromboli	IDE
S. Cataldo di Bari	ICQ
Taranto	ICT
Tempio	IDR
Torino	
Trieste Radio	IQX
Ustica	IDS
Venezia Radio	ICZ
Verona	
Villa San Giovanni	IFV
Vittoria Radio	ICV

JAPAN

Choshi Radio	JCS
Dairenwan	JDA
Funabashi Radio	JJC
Horomushiro Radio	JHJ
Iwaki Radio	JAA
Keelung Radio	JFK
Komonto	JKM
Maizuru Radio	JMZ
Minamioagarijima	JYU
Mokpo	JMP
Osezaki Radio	JOS
Otchishi Radio	JOC
Otomari Radio	JTW
Rasajima	JSA
Shimotsui Radio	JSX
Shiomisaki Radio	JSM
Shogetsubito	JSB
Shoselto	JSS
Tsunoshima Radio	JTS

KENYA

Kismayu	VQQ
Mombasa	VPQ
Moyale	VQU
Sankuri	VQS
Serenli	VQR
Wajheir	VQT

LETTONIA

Liepaja	KCB
Riga	KCA
Ventspils	KCC

REPUBLIC OF LIBERIA

Monrovia, Liberia	FMA

MACAO

São Francisco, Macau	
S. Francisco, Macau	CRS

MADAGASCAR

Diégo-Suarez	FDG
Dzaoudzi	FDO
Majunga	FJA
Mutsamudu	FLU

MADEIRA

Funchal	PQU

MALTA

Malta	VPT
Rinella	BYZ
St. Angelo, Malta	
S. Angelo, Malta,	BYY

MOROCCO

Casablanca, Maroc	CNP
Chétéba-Gonio	CNP
Mogador	CNY
Tanger	CNW

MARSHALL ISLANDS

Nauru Radio	VKT

MARTINIQUE

Fort de France	FKQ

MAURITIUS

Mauritius	BZG

MEXICO

Acapulco de Guerrero	XAK
Alamos de Sonora	XAD
Campeche	XAB
Guaymas	XAH
Isla María Madre	XAO
La Paz de la Baja California	
Mazatlán de Sinaloa	XAE
Mérida de Yucatán	XAM
Payo Obispo	XAC
Paz de la Baja California	XAF
Puerto Lobos	XAL
Salina Cruz	XAN
Santa Rosalía de la Baja California	
S. Rosalía de la Baja California	XAG
Tampico de Tamaulipas	XAJ
Tuxpan de Veracruz	XAI
Veracruz de Veracruz	XAA

NICARAGUA

Managua, Nicaragua	NAZ

NIGERIA

Lagos	VPY

NEW CALEDONIA

Nouméa-Sémaphore	FQN

BRITISH NEW GUINEA

Eitape Radio	VZX
Madang Radio	VIV
Misima Radio	VIX
Morobe Radio	VZK
Port Moresby Radio	VIG
Samarai Radio	VIJ
Woodlark Island Radio	VIF

NORWAY

Bergen Radio	LGN
Fauske Radio	LDW
Flekkeröy Radio	LDF
Ingöy Radio	LEI
Karljohansvern	LBZ
Röst	LFR
Sörvaagen	LEN
Spitsbergen	LFG
Tjöme Radio	LET
Utsira Radio	LGK

NEW BRITAIN

Rabaul Radio	VJZ

NEW IRELAND

Kaeweing Radio	VZR

NEW HEBRIDES

Port-Vila	HNV

NEW ZEALAND

Auckland Radio	VLD
Awanui Radio	VLA
Awarua Radio	VLB
Chatham Islands	VLC
Rarotonga	VMR
Wellington Radio	VLW

PANAMA

Cape Mala	NNT
La Palma, Panama	
Palma, Panama	NNW
Puerto Obaldia	NRK

PANAMA CANAL ZONE

Balboa	NBA
Coco Solo	NNL
Colon	NAX

HOLLAND

Amsterdam	PCA
De Mok	
Flessingue	PCD
Haaks bateau-phare	PCO
Helder	PCB
Helder	PCC
Mok	PCE
Noord-Hinter bateau-phare	PCN
Scheveningne-Port	PCH
Terschellingerbank bateau-phare	PCM
Vliegkampen	PCF

PERU

Cachendo	OAB
Callao	OAA
Casma	OAS
El Encanto	
Encanto	OAU
Eten	OAG
Frontón, Peru	OAF
Ilo	OAL
Iquitos	OAY
Leticia	OAQ
Lima San Cristobal	OAZ
Magdalena del Mar	OAN
Masisea	OAM
Pisco	OAP
Puerto Maldonado	OAD
Trujillo, Peru	OAT

PHILIPPINE ISLANDS

Amuguis	KPB
Balabac	KEW
Batangas	KPC
Bongao	KEO
Cagayan de Sulu	KEV
Camp John Hay	WUCB
Camp Stotsenburg	WUCA
Cavite	NPO
Cebu	KPI
Culion	KPJ
Cuyo	KIX
Davao	KIF
Fort Drum	WUAL
Fort Frank	WVL
Fort Mills	WVN
Fort Wint	WUAK
Iloilo	KPM
Isabela de Basilan	KPN
Jolo	KIL
Lebak	KPX
Malabang	KIZ
Malangas	KPV
Malita	KPW
Manila	WUAJ
Mati	KPZ
Olongapo	NPT
Puerto Priscesa	KIV
San Francisco Camotes	
San Jose, Mindoro	
Siasi	KED
S. Francisco Camotes	KPY
S. Jose, Mindoro	KIY
Zamboanga	KIW

POLAND

Poznan'	AXJ

PORTO RICO

Cayey	NZR
Ceiba, Porto Rico	WKK
Ensenada, Porto Rico	WPR
San Juan, Porto Rico	
S. Juan, Porto Rico	NAU
Vieques	WGW

PORTUGAL

Lisboa Radio	PQL
Porto	PQP

ROUMANIA

Constanta-Tunnel	CVS

KINGDOM OF SERBS, CROATS AND SLOVENES

Belgrade	HFB
Herzégnovi	UNK
Sarayevo	HFC
Sibenik	UNS
Skoplje	HFS

RUSSIA

Anadyr	RCD
Arkhangel	RCE
Astrakhan	RAA
Bakou	RAB
Batoum	RCF
Fort d'Alexandrovsk	RCG
Kerbinskaïa	RCH
Kertch	RCI
Kharkow	RAZ
Kiew	RAG
Kouchka	RAH
Kronstadt	RCJ
Mare-Sale	RCK
Moscou Chabolovka	RAJ
Moscou Khodynka	RAI
Naïakhan	RCL
Nicolaiew	RAK
Nicolaïewsk	RCM
Nicolaïewsk	RCN
Nouvelle Hollande	RAC
Novo-Nicolaievsk	RAL
Obdorsk	RAN
Odessa	
Odessa	RDE
Odessa Observatoire	RDH
Okhotsk	RCO
Orenbourg	RAM
Oufa	RAX
Petropavlovsk Radio	RCP
Petrowsk, Daghestan	RCQ
Petrozawodsk	RDI
Rade d'Astrakhan	RCR
Rade de Taganrog	RCS
Rostowdon	RAO
Samara	RAQ
Saratov	RAP
Sebastapol	RCT
Semipalatinsk	RBC
Simbirsk	RAR
Simferopol	RAT
Smolensk	RAS
Sredne-Kolymsk	RDG
Staraia Bonkhara	RDJ
Taganrog	RAV
Taganrog 2	RAV
Taschkent	RAU
Theodosie	RAY
Tiflis	RDK
Touapse	RAW
Tscheliabinsk	RBB
Tver	RCC
Tzaritzyne	RBA
Vaigatch	RCU
Viatka	RAE
Vladivostok	NPH
Vladivostok	RCV
Vladivostok	RCW
Vologda	RAD
Wladikawkaz	RAF
Yougorski-Char	RCX

SOLOMON ISLANDS

Kieta Radio	VIU
Tulagi	VQJ

SAMOA ISLANDS

Apia Radio	VMG
Tutuila	NPU

SARAWAK

Goebilt	VSD
Kuching	VQF
Miri	VQP
Sadong	VQW
Sibu	VQV

SIAM

Bangkok	HGA
Red Light Ship	HGR
Singora	HGB

SIERRA LEONE

Sierra Leone	VPU

BRITISH SOMALILAND

Aden Radio	BZF
Aden Radio	VPI
Berbera Radio	VPJ
Burao	VQX
Hargeisa	VSA
Les Dureh	VQY

ITALIAN SOMALILAND

Bardera	ISN
Brava	ISC
Bulo Burti	ISJ
Giumbo	ISD
Iscia Baidoa	ISH
Itala	ISM
Lugh	ISO
Mahaddei Uen	ISF
Merka	ISB
Mogadiscio	ISE
Mogadiscio	ISG
Oddur	ISI

STRAITS SETTLEMENTS

Penang Radio	VPX
Seletar	BXW
Singapore Radio	VPW

SWEDEN

Boden Radio	SAI
Göteborg Radio	SAB
Gottland Radio	SAE
Grundkallen bateau-phare	SAK
Hallö	SAM
Härnösand Radio	SAH
Karlsborg Radio	SAJ
Karlskrona Radio	SAA
Olandsrev bateau-phare	SAG
Trälleborg Radio	SAC
Vaxholm Radio	SAF
Vinga, Swed	SAL

SWITZERLAND

Berne	HBB

S. PIERRE AND MIQUELON ISLANDS

Galantry	FIT
Miquelon	FIQ

NEWFOUNDLAND

American Tickle	VOC
Battle Harbour	VOA
Cape Harrison	VOH
Domino	VOD
Fogo	VOJ
Grady, Labrador	VOE
Holton, Labrador	VOG
Mokkovik	VOI
Smokey Tickle	VOF
St. John's, Newfoundland	
S. John's, Newfoundland	BZM
Venison Island	VOB

PORTUGUESE TIMOR

Dili	CRE

TONGA

Nukualofa Radio	VSB

TRIPOLI

Tripoli Radio	ICK

TUNIS

Bizerte-Setié-Meriem	FFW
Bizerte-Sidi-Abdallah	FUA
Setié-Meriem Gonio	FEQ

URUGUAY

Banco Ingles	CWC
Cerrito	CWA
Isla de Lobos	CWB

VENEZUELA

Barquisimeto	AYH
Caracas	AYA
Guaira	AYG
La Guaira	
Maracay	AYB
Maracaybo	AYF
Porlamar	AYE
Puerto Cabello	AYC
San Cristobal Venezuela	
S. Cristobal, Venezuela	AYD

WINDWARD PASSAGE

Navassa Island, W. I.	NKC

VIRGIN ISLANDS

St. Croix, West Indies	
St. Thomas	
S. Croix, West Indies	NNI
S. Thomas	NBB

ZANZIBAR

Pemba, Zanzibar	VQE
Zanzibar	VPZ

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English Amateur Stations

2AA Radio Communication Co., Ltd.....Slough
2AF A. Rickard Taylor.....49 Idmiston Rd., W. Norwood, S.E. 27
2AG T. Moor.....“Castlemain,” Lethbridge Rd., Southport
2AH ..... Hounslow
2AJ Radio Communication Co., Ltd.....Barnes, S.W. 13
2AL W. Halstead.....“Briar Royd,” Briar Lane, Thornton-le-Fylde
2AM A. Pearl.....5 Sharon Rd., Chiswick, W.
2AN A. W. Sharman.....Kelvin Lodge, 1 Morella Rd., Wandsworth, S.W.
2AO O. H. Relly.....“Stratton,” De Roos Rd., Eastbourne
2AQ Davis.....Thornton Heath, London, S.W.
2AR E. Gaze.....3 Archibald St., Gloucester
2AU A. C. Bull.....25 Fairland Rd., West Ham, E. 15
2AV D. H. W. Swiney.....18 Southchurch Rd., Southend-on-Sea
2AW H. H. Burbury.....Criggleston, Wakefield
2AX G. Sutton.....18 Melford Rd., East Dulwich, S.E. 22
2AY Dudley F. Owen.....“Limehurst,” Sale, Nr. Manchester
2AZ William Le Queux.....St. Leonards-on-Sea
2BC Dudley F. Owen.....“Limehurst,” Sale, Nr. Manchester
2BM J. H. A. Whitehouse.....Hampstead, London, N.W. 3
2BO Marconi's Wireless Telegraph Co., Ltd.....Writtle
2BP Daimler Motor Co.....Kelvinside, Nr. Glasgow
2BZ Basil Davis.....The Pavilion, Marble Arch, W. 1
2CA J. H. Reyner.....69 Station Rd., Chingford
2CB W. E. Cooke.....29 Empress Ave., South Chingford
2CD Burton-on-Trent Wireless Soc. (H. S.), 66 Edward St., Burton-on-Trent
2CH Science Society.....The School, Oundle, Northants
2CI R. Brooks King.....Widcombe, Taunton
2CM Norman D. B. Hyde.....92 Littledale Rd., Egremont, Cheshire
2CO J. C. Elmer.....14 Gordon Square, Birchington, Kent
2CP J. C. Elmer.....14 Gordon Square, Birchington, Kent
2CW B. Hippisley.....“Ston,” Easton Park, Bath
2CZ C. Atkinson.....17 Beamont Rd., Leicester
2DC M. Child.....60 Ashworth Mansions, Maida Vale, W. 9
2DD A. C. Davis.....105 Brynland Ave., Bristol
2DF R. E. Miller.....65 Malden Rd., New Malden, Surrey
2DG W. Burnet.....10 Coverdale Rd., Sheffield
2DH W. Burnet.....10 Coverdale Rd., Sheffield
2DI W. Burnet.....10 Coverdale Rd., Sheffield
2DJ A. T. Lee.....The Court, Alvaston, Derby
2DT Barrow & Dist. Wireless Assn.....Market Tower, Barrow-in-Furness
2DU W. D. Norbury.....51 Chillwell Rd., Beeston, Notts
2DX W. K. Alford.....“Rosedene,” Camberley, Surrey
2DY F. H. Haynes.....5 Regent Square, W.C. 1
2DZ F. H. Haynes.....26 Avenue Rd., S. Tottenham, N. 15
2FA F. G. Bennett.....16 Tivoli Rd., Crouch End, N. 8
2FB W. Ison.....80 Harnham Rd., Salisbury
2FC D. Sinclair.....19a Ladbroke Gardens, W. 11
2FG L. McMichael.....32 Quex Rd., W. Hampstead, N.W. 6
2FH T. I. Rogers.....2 Park Hill, Moseley, Birmingham
2FJ W. J. Fry.....22 Thirsk Rd., Lavender Hill, S.W. 11
2FK F. C. Grover.....20 Rutland Rd., Ilford
2FL C. Willcox.....21 George St., Warminster, Wilts
2FM V. Corelli.....41a Grove Rd., Eastbourne
2FN L. M. Baker.....Ruddington, Notts
2FP F. Foulger.....118 Pepys Rd., S.E. 14
2FQ Burndept, Ltd.....Aerial Works, Blackheath, S.E. 3
2FR S. Rudeforth.....54 Worthing St., Hull
2FU E. T. Manley, Jr.....49a Arthur Rd., Wimbledon Park, S.W. 19
2FW Rev. D. Thomas.....St. Paul's B. P. Scouts, Bournemouth
2FX H. C. Binden.....32 Oxford Rd., Bournemouth
2FZ Manchester Wireless Society....Houldsworth Hall, Deansgate, Manchester
2GA Rev. J. A. Gibson.....18 Daniel St., Bath
2GD Brimingham Wireless Experimental Club..Digbeth Institute, Birmingham
2GF J. V. Newson.....139 Ormside St., S.E. 15
2GG R. H. Kidd.....Marlborough House, Newbury
2GI Lawrence Johnson..“Park View,” Hinde House Lane, Pitsmoor, Sheffield
2GJ Lawrence Johnson..“Park View,” Hinde House Lane, Pitsmoor, Sheffield
2GK Lawrence Johnson..“Park View,” Hinde House Lane, Pitsmoor, Sheffield
2GL W. J. Henderson.....2 Hollywood Rd., S.W. 10
2GO L. Bland Flag.....61 Burlington Rd., Bayswater, W. 2
2GP H. W. Nunn.....49 Leigh Rd., Highbury Park, N. 5
2GO 1st Taunton Scouts.....Parish Buildings, Wilton, Taunton
2GR Thomas Forsyth.....“Wenslea,” Ashington, Northumberland
2GS Thomas Forsyth.....“Wenslea,” Ashington, Northumberland
2GT Gilbert Irvine.....12 Treborth St, Liverpool
2GU The Halifax Wire. Cl., Sec., L. J. Wood, Y.M.C.A., Clare Hall, Halifax
2GV Rev. W. P. Rigby.....St. Lawrence Vicarage, Bristol
2GW Allan Cash.....Foxley Mount, Lynn, Cheshire
2GZ A. L. Megson.....Talbot Rd., Bowdon, Cheshire
2HA A. L. Megson.....Talbot Rd., Bowdon, Cheshire
2HB L. H. Lomas.....“Highfield,” Summerseat, Nr. Manchester
2HC F. M. J. White.....Winchcombe Lodge, Bucklebury, Nr. Reading
2HF W. G. Gold....“Rosedale,” Belwell Lane, Four Oaks, Nr. Birmingham
2HG T. Boutland, Sr.....“Ashington,” Northumberland
2HH T. Boutland, Jr.....“Ashington,” Northumberland
2HK A. A. Campbell Swinton.....66 Victoria St., S.W. 1
2AD Siemens Bros., Ltd.....Woolwich, S.E. 18
2HL A. A. Campbell Swinton.....40 Chester Square, S.W. 1
2HO ..... Bristol
2HP H. C. Woodhall.....10 Holborn House, E.C. 1
2HQ A. W. Fawcett.....11 Leigh Rd., Clifton, Bristol
2HR F. O. Read.....Kingsway, W.C. 2
2HS G. W. Hale and R. Lyle.....36 Dagnall Park, S. Norwood, S.E. 25
2HT R. H. Klein.....18 Crediton Hill, W. Hampstead, N.W. 6
2HV H. Beresford.....Wylde Green, Birmingham
2HW H. Beresford.....213 Bull St., Birmingham
2HX F. A. Love.....“Ivydene,” Guildford Park Rd., Guildford
2IB W. Bemrose.....“Four Winds,” Littleover, Derby
2ID E. S. Firth.....5 Manor Rd., Harrow
2IF S. W. Bligh.....2 North Lane, Canterbury
2IH C. G. Bevan.....Technical College, Cathay Park, Cardiff
2II Southport Wireless Society.....Queen's Hotel, Southport
2IJ Southport Wireless Society.....Queen's Hotel, Southport
2IK County High School for Boys.....Altrincham, Cheshire
2IL H. R. Goodall.....“Fernlea,” Winchester Rd., Bassett, Southampton
2IN J. E. Fish..“Thornley,” Station Rd., Thornton-le-Fylde, Nr. Blackpool
2IQ W. A. Ward.....26 Malborough Rd., Sheffield
2IS Rev. W. H. Doudney.....St. Luke's Vicarage, Bath
2IT Rev. W. H. Doudney.....St. Luke's Vicarage, Bath
2IU G. A. E. Roberts.....Twyford, Nr. Winchester
2IV L. F. White.....10 Priory Rd., Knowle, Bristol
2IW G. R. Marsh.....Mallards Close, Twyford, Winchester
2IX S. G. Taylor.....Littleover, Derby
2JB P. H. Dorte, Down. Wire. Soc., Down. Sch., Str-on-the-Fosse, Nr. Bath
2JC I. H. Storey.....“Escowbeck,” Caton, Lancaster
2JD I. H. Storey.....White Cross Mills, Lancaster
2JF C. G. Williams.....22 Scholar St., Sefton Park, Liverpool
2JG W. A. Seed.....Criggleston, Nr. Wakefield
2JH C. A. Barrand.....“Stefano,” Wellington St., Slough
2JJ C. Worthy.....4 Riversdale Rd., Egremont, Wallasey
2JK Philip R. Coursey...StamfordHouse, Marchmont Rd., Richmond, Surrey
2JL G. G. Bailey.....“The Beeches,” Cowley, Middlesex
2JM G. G. Blake.....10 Onslow Rd., Richmond, Surrey
2JN H. B. Burdekin.....Bilton, Rugby
2JO J. W. Whiteside.....30 Castle St., Clithero, Lancaster
2JP M. C. Ellison.....Huttons Ambo Hall, York
2JQ M. C. Ellison.....Huttons Ambo Hall, York
2JS Horace B. Dent.....25 Church St., Leatherhead, Surrey
2JU E. J. Pearcey.....115 Woodland Rd., Handsworth, Birmingham
2JV A. G. Robbins.....Station Rd., Epping, Essex
2JW J. R. Barrett.....Westgate Court, Canterbury
2JX L. Vizard.....12 Seymour Gardens, Ilford
2JZ R. D. Spence.....Craighead House, Huntly, Aberdeenshire
2KA N. Curtis.....“Belvedere,” W. Taunton
2KB W. E. Earp.....675 Moore Rd., Maperley, Nottingham
2KC H. T. Longuebaye.....96 Barnmead Rd., Beckenham
2KD Denison Bros.....Experimental Station, Wainhouse Tower, Halifax
2KF J. A. Partridge.....22 Park Rd., Colliers Wood, Merton, S.W. 19
2KG A. E. Hay.....“Glendale,” Abernant, Aberdare
2KH Ashley Wireless Telephone Co., Ltd.....Renshaw Rd., Liverpool
2KK Hutchinson & Co. (F. Pinkerton), 101 Dartmouth Rd., Forest Hill.S.E.23
2KL F. Pinkerton.....50 Peak Hill, Sydenham, S.E. 26
2KM C. Stainton.....155 Escourt St., New Bridge Rd., Hull
2KO C. S. Baynton.....48 Russell Road, Moseley, Birmingham
2KP F. A. Bird.....13 Henrietta Rd., Bath
2KQ Harold Taylor.....The Lodge, Tottenhall Wood, Nr. Wolverhampton
2KR E. Edmonds.....2 Yew Tree Rd., Edgbaston, Birmingham
2KS C. C. Beakell.....“Mill Bank,” Church St., Preston
2KT J. E. Nickless.....83 Wellington Rd. Snaresbrook, E. 11
2KU A. J. Selby.....66 Edward St., Burton-on-Trent
2KW W. R. Burne.....“Springfield,” Thorold Grove, Sale, Cheshire
2KX W. Stanworth.....Fern Bank, Blackburn
2KY L. Pollard.....209 Cunliffe Rd., Blackpool
2KZ B. Clapp.....“Meadmoor,” Brighton Rd., Purley
2LA H. F. Yardley.....121 Victoria Rd., Headingley, Leeds
2LB H. F. Yardley.....6 Blenheim Terrace, Leeds
2LD R. J. Cottis.....4 Crondace Rd., Fulham, S.W. 6
2LF P. Harris.....Chilvester Lodge, Calne, Wilts
2LG H. H. Whitfield..“The Glen,” Primrose Lane, Hall Green, Birmingham
2LI C. H. Wilkinson.....14 Kingswood Ave., Brondesbury, N.W. 6
2LK S. Kniveton.....“Brooklands,” Normanton, Yorks
2LL S. Kniveton.....“Brooklands,” Normanton, Yorks
2LO The British Broadcasting Co.....Strand, London, W.C. 2
2LP L. W. Pullman.....213 Golders Green Rd., N.W. 11
2LQ J. A. Henderson.....18 Elm Hall Drive, Moseley, Liverpool
2LR J. Scott-Taggart.....6 Beattyville Gardens, Ilford
2LT Arthur F. Bartle....“St. Cyres,” 5 Coleraine Rd., Blackheath, S.E. 3
2LV W. R. H. Tingey.....22 Leinster Gardens, W. 2
2LW Tingey Wireless, Ltd.....92 Queens St., Hammersmith, W. 6
2LY H. H. Thompson.....59 Redlands Rd., Penarth, Glam
2LZ F. A. Mayer.....“Stilemans,” Wickford, Essex
2MA P. S. Savage.....14-16 Norwich Rd., Lowestoft
2MC Horace B. Dent.....“Albian,” Fleetwood Ave., Westcliff-on-Sea
2MD C. Chipperfield.....Victoria Rd., Oulton Broad, Lowestoft
2MF Marconi Scientific Instr. Co., Ltd..21-25 St. Anne's Ct., Dean St..W.1
2MG C. Creed Millar.....“Arndene,” Beardsden, Nr. Glasgow
2MH A. Lawton.....Brownedge Vicarage, Stoke-on-Trent
2MI L. McMichael, Ltd., Stag Works, Providence Place, Kilburn, N.W. 6.
2MK A. W. Hambling.....80 Brondesbury Rd., Brondesbury, N.W. 6
2ML R. C. Clinker.....Bilton, Rugby
2MM Cecil A. Hines.....Watley, Twyford, Nr. Winchester, Hants
2MS R. H. Reece.....“Basketts,” Birchington, Kent
2MT Marconi Scientific Instrument Co., Ltd.....Nr. Chelmsford
2MY H. M. Hodgson.....Clifton House, Hartford, Cheshire
2MZ John Mayall.....“Burfield,” St. Paul's Rd., Gloucester
2NA H. Frost.....“Longwood,” Barr Common, Walsall
2NB J. W. Barnaby.....Sylvan House, Broad Rd., Sale, Cheshire
2ND E. H. Pickford.....Wingfield House, 6 Wilson Rd., Sheffield
2NH O. R. C. Sherwood.....41 Queen's Gate Gardens, S.W. 7
2NI R. H. Lyne.....41 Somerset Rd., Dartford
2NK P. Priest.....174 Woodside Rd., Lockwood, Huddersfield
2NL F. J. Hughes.....129 Wells Rd., Bath, Somerset
2NM G. Marcuse.....Coombe Dingle, Queen's Park Caterham, Surrey
2NN Brig. General Palmer.....Hill Crest, Epping, Essex
2NO H. R. Adams.....Crescent Cabinet Works, Sutton Rd., Walsall
2NP H. G. Treadwell.....Middleton Cheney, Banbury
2NQ R. J. T. Morton.....14 Woodside Rd., Kingston-on-Thames
2NR J. Knowles-Hasseli, Mt. Pleasant Wks., Wooden Box, Nr. Burton-on-Tr.
2NS M. Burchill.....30 Leighton Rd., Southville, Bristol
2NV H. Littley.....Lodge Rd., West Bromwich
2NW H. Littley.....Lodge Rd., West Bromwich
2NY J. N. C. Bradshaw.....Bilsboro', Nr. Preston
2NZ J. N. C. Bradshaw.....Bilsboro', Nr. Preston
2OD E. J. Simmonds....“Meadowlea,” Queen's Way, Gerrard's Cross, Bucks
2OF H. C. Trent.....Secondary School, Lowestoft
2OG A. Cooper.....16 Wentworth Rd., York
2OI Colin Bain.....51 Crainger St., Newcastle-on-Tyne
2OJ E. A. Hoghton.....52 First Ave., Hove, Sussex
2OK H. D. Butler & Co., Ltd.....222 Great Dover St., London, S.E. 1
2OL H. D. Butler.....“Trebarwith,” South Hutfield, Surrey
2OM H. S. Walker.....Park Lodge, Brentford, Middlesex
2ON Major H. C. Parker.....56 Sherrhall St., Walthamstow, E. 17
2OP Capt. G. Courtenay Price.....8 Lansdown Terrace, Cheltenham
2OQ D. P. Baker.....Cleveland Rd., Wolverhampton
2OT Ilford & Dist. Rad. Soc., Hon. Sec., L. Vizard, 12 S. G., The Dr., Ilford
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2RT North Eastern Instrument Co.....Durham Rd., Low Fell, Gateshead
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2RZ D. T. Woods....Denley Villa, Parker Rd., Bournemouth
2SA Sir Hanbury Brown....."Newlands," Crawley Down, Sussex
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2SL K. Graham Styles....."Kitscot," 52 Bower Mount Rd., Maidstone
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2SX F. B. Baggs....24 Westhorpe St., S.W. 15
2SY H. Stevens....25 Oaklands Rd., Wolverhampton
2SZ The Wireless Society....Mill Hill School, N.W. 7
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2TC H. W. Sellers....18 Edgerton Grove Rd., Huddersfield
2TF Edinburgh & Dis. Rad. Sc., H. S., W. Winkler, 9 Ettrick Rd., Edinburgh
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2TN C. E. Stuart....Lyndon Lodge, Polesworth, Tamworth
2TO F. Townsend....46 Grove Lane, Ipswich
2TP C. W. Andrews, "Radioville," 26 Melody Rd., Wandsworth Cob., S.W.18
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2TR F. O. Sparrow....8 North Drive, Swinton, Manchester
2TV E. W. Wood....79 Colwyn Rd., Northampton
2TW E. W. Wood....79 Colwyn Rd., Northampton
2TX A. R. C. Johnston....87 Twyford Ave., Acton, W. 3
2TY Sydney Scott....Field Villa, Norton, Malton
2TZ Ernest Jones....."Newholme," Hempshaw Lane, Offerton, Stockport
2UA S. B. P. Barnes....38 Avenue Rd., Highgate, N. 6
2UC E. J. Winstone.....53a Gunterstone Rd., W. Kensington, W. 14
2UD Ernest W. Smith....77 Grove Lane, Camberwell, S.E. 5
2UG W. Humphreys Burton....103 Portland Rd., Nottingham
2UI A. R. Ogston....41 Broomfield Ave., N. 13
2UJ L. R. Richards....."Mona," 25 Cholmeley Park, Highgate, N. 6
2UK Cotteridge Day Continuation School.....King's Norton, Birmingham
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2UN 14th Cardiff Lord Mayor's O.T. of B.P.S., Y.M.C.A., Boys' Dept., Cardiff
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2VI H. Curtis....26 Upper Hall Lane, Walsall
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2VT W. K. Hill....79 Beulah Hill, London, S.E. 19
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2WM J. W. Pallett....111 Ruby St., Leicester
2WN A. H. Wilson....67 Broad St., Hanley, Stoke-on-Trent
2WO J. H. Brown....."Redbrook," Baguley, Cheshire
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5NN J. H. R. Ridley.."Studley," 106 Woodside Green, S. Norwood, S.E. 25
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5TF Percy A. Gooding.....16 Cambridge Rd., Hammersmith, W. 6
5TG F. R. W. Strafford.....3 Lee Rd., Dovercourt
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5TI J. Bonnett.....159a Turner's Hill, Cheshunt, Herts
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5US J. Croysdale.....5 Elm Grove, Burley-in-Wharfedale, Leeds
5UV L. A. Jeffreys.....90 Harringay Rd., Green Lanes, N. 15
5UY D. B. Fry.....[illegible]....."The Laurels," Mayfield, Sussex
5VD F. J. Wakefield.....31 [illegible]ion Rd., Church End, Finchley, N. 13
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5VT G. C. Webb.....10 Osborne Rd., Stroud Green, N. 4
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5XU Thos. N. Lord.....6 Trafalgar Terrace, West Park St., Dewsbury
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5YM Captain E. H. Robinson.....Langmead, Pirbright, Surrey
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5ZY L. Headlan.....Stakesby Rd., Whitby, Yorks
6AA Durham & Northumberland C. F. & R. B., The R. Sta.,Newcastle-on-Tyne
6AB Durham & Northumberland C. F. & R. B., The R. Sta.,Newcastle-on-Tyne
6AF Robert H. Rice.....70 Seaside, Eastbourne
6AJ G. Ensoll.....25 Victoria Rd., Dukinfield, Cheshire
6AL James Parker Morter.....49 Westow Hill, Upper Norwood, S.E.
6AO A. Ruddlesden.....24 Wakefield Rd., Dewsbury
6AW E. J. Jarvis.....Naseby Cottage, High Rd., Waltham Cross
6BC W. Douglas Clague.....White House, High Heworth, Gateshead
6BQ J. L. Cannon.....14 Woodcroft Ave., Broomhill, Glasgow, W.
6BR G. H. Ramsden....."Overdale," Ilkley, Yorks
6BW John C. Mason.....8 Westmoreland Rd., New Brighton, Cheshire
6CF Wm. C. Lingard.....Bridgeholme Green, Chapel-en-le-Frith, Derbyshire
6CG A. W. Eagle.....42 Park Lane, Tottenham, N. 17
6CI C. E. Tilley.....10 Guthlaxton St., Highfields, Leicester
6CW David Burne-Jones....."Gwalier," Rustic Ave., Streatham, S.W. 16
6DJ A. C. Copsey.....27 Sutherland Rd., Tottenham, N. 17
6DU E. J. Newton.....1 Jernigham Rd., New Cross, S.E. 14
6DZ Capt. L. A. K. Halcomb, "South Dene," 106 Millhouses Lane, Sheffield
6FQ A. B. Richardson.....9 Quarry Rd., Hastings
6FV W. H. Taylor.....37 Bridge St., Warrington
6GC H. H. Burbury.....Crigglestone, Nr. Wakfield, Yorks
6GM E. A. Wilson....."Roxburgh," 42 Heber Rd., Cricklewood, N.W. 2
6GO L. A. Sayce.....5 Toward Terrace, Sunderland
6GW P. Brian.....79 Lakey Lane, Hall Green, Birmingham
6GZ R. E. Neale.....Farnborough Rd., Farnborough, Hants
6HD National Wireless & Electric Co.....Church Rd., Acton, London, W. 3
6HF ..... Yorkshire
6HK J. W. F. Cardell....."Tretherras," Newquay, Cornwall
6HR W. D. Keiller.....51 Highworth Rd., New Southgate, London, N. 11
6HS H. Saville.....1 Delamore Ave., Stretford, Nr. Manchester
6HV W. J. Butler.....15 Algernon Rd., Edgbaston, Birmingham
6HX C. H. Nokes....."Misidia," Ripley, Surrey
6IC A. Jowett.....310 Hopwood Lane, West End, Halifax
6ID F. Wheatley, Jr.....24 Radnor Rd., Handsworth, Birmingham
6IG E. Brady.....6 Coltesgate Hill, Ripon, Yorks
6IM ..... Highgate
6IX W. G. Fudger....."Brora," Priorswood Rd., Nr. Godalming
6JB Wimbledon Radio Soc., Red Cross Hall, Church Rd., Wimbledon,SW.19
6JL — Edgleigh.....Warwick Ave., Coventry
6JS P. R. Solder.....76 Albert Rd., Alexandra Park, N.W. 22
6JV Capt. H. J. B. Hampson.....477 Earlham Rise, Norwich
6IX R. J. W. Lankester, "Wanderings Farm," Kingston Rd., King.-on-Thames
6KF Wor. Cad. Sig. Co. (R.C. of S.), Jr. Tech. Sch., Sansome Walk, Wor.
6LB L. J. Fuller.....Glenburn, Seagry Rd., Wanstead, Essex
6LJ S. K. Lewer.....London, N.W. 6
6LW R. C. Davies..."Sunnyside," 22 Graingers Lane, Cradley-Heath, Stafford
6MG B. W. D. Lacey.....33 Woodbridge Rd., Moseley, Birmingham
KCLX Professor Wilson, University of London, King's College Strand, W.C. 2
BXH Capt. C. H. Bailey....."Gliffaes," Crickhowell, Abergavenny

French Amateur Stations

8AA Riss.....38 Boulevard Ste. Benve, Boulogne-s/-Mer.
8AB Deloy.....55 Boulevard du Mont-Boron, Nice
8AC Fabre.....rue du Roc, Albi
8AD Roussel.....12 rue Hoche, Juvisy-sur-Orge
8AE Dr. Corret.....97 rue Royale, Versailles
8AE Revue "La T. S. F. Moderne".....11 Avenue de Saxe, Paris
8AF "Radio Club de France".....95 Avenue de Monceau, Paris
8AG Colmant.....16 Avenue de Robinson, Châtenay par Sceaux (Seine)
8AH Coze.....7 rue Lalo, Paris
8AI .....12 rue Cardueel, Paris
2AJ Société ise radioélectrique.....79 Boulevard Haussmann, Paris
8AK Gaumont.....25 rue des Usines, Paris
8AL Gody.....Quai des Marais, Ambroise
8AM Lemonnier.....13 allées Gambetta, Marseille
8AN Blemans.....167 Boulevard Montparnasse, Paris
8AO Lardry.....61 Boulevard Négrier, Le Mans
8AP Peugeot.....Sous-Roches, Audnicourt (Doubs)
8AQ Sassi.....rue Marcellin Berthelot, Arpajon
8AR Le Saulneer.....48 route de Neufchâtel à Bihorel (S.I.)
8AS Coisy.....76 bis, Avenue du Chemin de fer à Rueil
8AT Proviseur.....Lycée du Parc à Lyon
8AU Barrelier.....22 rue de la Paille, Le Mans
8AV Voos.....20 rue Werlé, Reims
8AX Martin.....17 rue du Maréchal Soult, Alger
8AY Thuillier.....14 rue d'Omans, Alger
8AZ Borne.....4 Place du Val, Vanves (S.&C.)
8BA Michielsens.....35 Passage Jouffroy, Paris
8BB Laborie.....69 Avenue de la Grande Armée, Paris
8BC Druelle.....6 rue des Domeliers, Compiégne
8BD Dubois.....211 Boulevard St. Germain, Paris
8BE Deslis.....24 rue d'Illiers, Orléans
8BF Louis.....8 rue de la Mouillière, Orléans
8BG Horguelin..... Nuisenment, Marne
8BH M. Courtecuisse, Société Tourcoing, Radio, 10 rue de Gand Tourcoing (Nord)
8BI Laporte.....61 rue Letellier, Paris
8BJ Vincent.....50 Passage du Havre, Paris
8BK Voisembert.....27 rue Jean Binet Colombes (Seine)
8BL Locherer.....18 rue Lhomond, Paris
8BM Dupont.....La Briquette par Valenciennes
8BN Berché.....7 Place Péreire, Paris
8BO Manescau.....7 Promenade des Anglais, Nice
8BP Guinet.....53 rue Franklin, Lyon
8BQ Gavaudan.....1 Place d'Arenc, Marseille
8BR Jardin.....2 Traverse des Soeurs Grises de St. Barnabé, Marseille
8BS Delaunay.....1 Place d'Astorg, Paris
8BT Redier.....9 rue du Cherche-Midi, Paris
8BU Delon.....7 rue Adolphe Thiers, Marseille
8BV Perroux.....96 Boulevard Montparnasse, Paris
8BX Vatinet.....5 Avenue Gambette Vitry-s/-Seine
8BY Sekslk.....47 rue Reinard, Marseille
8BZ Milou ..... Montélimar
8CA Reginald Gouraud.....80 rue Vineuse, Paris
8CB Dussaugey.....29 Place du Marché St. Honoré, Paris
8CC Suquet.....18 Avenue Kléber, Paris
8CD Dussert.....10 rue Peyras, Toulouse
8CE Motte M.....10 rue du Bloc, Amiens
8CF Guinand.....Bramafam par Ste. Foyles, Lyon
8CG Dueour.....9 rue François Bonvin, Paris
8CH Butez.....77 rue Claude Bernard, Paris
8CI Hubert et Thirriot.....6 Boulevard des Beux-Villes, Charleville
8CJ Barba.....18bis, rue Demours, Paris
8CK Dr. Roussin.....25 rue Roserie, Montélimar
8CL Mme. LeBaudy.....Moisson par La Roche Guyon (S.&O.)
8CM Polzat.....47 rue de Trévise, Paris
8CN Lafond.....70 rue des Carmes, Rouen
8CO Caudron ..... Issy-les-Moulineaux
8CP Daudois.....à la Queue en Brie (S.&O.)
8CQ Gouy.....93 rue Armand Carrel Sotteville-les-Rouen (Seine-Inf.)
8CR André Le Blanc.....87 rue St. Jacques, Marseille

Australian Amateur Stations

3BD E. H. Cox.....5 Gibson Street, Elsternwick. T.
3EI J. C. Fitchett.....Salisbury Street, Balwyn. T.
3BH H. K. Rowe....."Lindum," Ferncroft Avenue, East Malvern. T.
3BQ W. Bowden.....Hill Street, Box Hill. T.
3BY H. Holst.....27 Bambra Road, Caulfield. T.
3DV H. S. Beattie.....1 Bishop Street, Box Hill. T.
3AY W. W. Jenvey.....12 Lord Street, East Caulfield. T.
3OK W. H. Conry.....32 Irving Avenue, Armadale. T.
3RF C. H. Cordingly.....77 Bank Street East. Ascot Vale. T.
3RG S. G. Humberg.....Waverley Road, East Malvern. T.
3OC J. H. Saunders.....10 Wilson Street, Prince's Hill. R.
3OD M. M. Deane.....3 Quat Quatta Avenue, Elsternwick. R.
3OE R. S. M. Clifford.....110 Bowen Crescent, Prince's Hill, R.
3OF W. A. G. Golding.....168 Mont Albert Road, Canterbury. R.
3OG G. F. Menon.....6 Argyle Street, St. Kilda. R.
3OH W. McMahon.....Camperdown Street, Brighton. R.
3OI H. F. Farr.....224 Nicholson Street, Footseray. R.
3OJ T. McM. Kennedy.....48 Beaconsfield Parade, St. Kilda. R.
3OL S. A. Morrison.....Macarthur Street, Bairnsdale. R.
3OM R. C. Ham.....36 River Street, Newport. R.
3ON A. E. Nixon.....106 Albert Street, Windsor. R.
3OO J. G. Hart.....69 Church Street, Brighton. R.
3OP R. R. Bence.....47 Withers Street, Albert Park. R.
3OQ L. C. Milliken.....72 St. Alban's Road, East Geelong. R.
3OR H. L. Gamon.....93 The Grove, Moreland. R.
3OS S. C. F. Cane.....28 Alma Road, St. Kilda. R.
3OT R. M. Cameron.....Coonil Crescent, Malvern. R.
3OU C. Callaghan.....Wood Street, Preston. R.
3OV F. A. Clowes.....Melbourne General Cemetery, Carlton. R.
3OW A. Clumsee.....7 Victoria Street, Warragul. R.
3OX A. C. Cox.....19 Orange Grove, St. Kilda. R.
3OY A. Carter.....11 Izett Street, Prahran. R.
3OZ A. G. Brovan.....76 Swan Street, Richmond. R.
3PA A. L. Peachey.....94 Mitford Street, St. Kilda. R.
3PB Chas. Courtney.....23 Westbury Grove, East St. Kilda. R.
3PC R. Deverall.....Neill Street, Sunbury. R.
3PD R. Stewart.....44 Edsall Street, Malvern. R.
3PE J. Richardson.....23 Ligar Street, Bendigo. R.
3PF D. Oldmeadow.....95 Ormond Esplanade, Elsternwick. R.
3PG —. F. Adeney.....133 Sackville Street. Kew. R.
3PH E. E. Rutledge.....45 Warley Road, East Malvern. R.
3PI K. —. Shrith.....47 Barkly Street, St. Kilda. R.
3PJ P. L. Smyth.....10 Keera Street. Geelong West. R.
3PK Robert Potter.....31 Barry Street, Kew. R.
3PL P. Renowden.....34 Lewisham Road, Windsor. R.
3PM R. I. Patterson.....82 Bourke Road, East Malvern. R.
3PN E. S. Wallace.....71 South Crescent, Northcote South. R.
3PO A. H. Roberts.....103 Bent Street, Northcote. R.
3PP L. Boyce.....59 Blair Street, Moreland, R.
3PQ B. R. Johnston.....27 Park Grove, Middle Park. R.
3PR H. H. Blackman.....44 Osborne Avenue. East Malvern. R.
3PS C. A. Mason.....32 Rankins' Road, Kensington. R.
3PT J. Revell.....27 Weir Road, Canterbury. R.
3PU J. D. W. Begg.....Luey Street, East Malvern. R.
3PV W. H. Millman.....7 Edmund Street, Clifton Hill. R.
3PW H. B. Fleming.....Melba House, Main Street, Croydon. R.
3PX H. Merris.....12 Hutcheson Street, Moonee Ponds. R.
3PY A. Huxtable.....6 Drysdale Street, Wonthaggi. R.
3PZ A. G. Frazer.....25 Spencer Road, Camberwell. R.
3QA H. E. Pitman.....227 Humffray Street North, Ballarat East. R.

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New *and* Remarkable Radio Achievements *in the new* Radiolas—

HERE are the new Radiolas—new triumphs of radio research! Intensive study of the problems of radio today—backed by vast engineering resources—has laid bare the needed improvements in radio—and has found the way to these improvements. There was a need for non-radiating receivers. For super selectivity. For more melodious tone reproduction. For dry battery receivers more sensitive for long distance reception. For even simpler operation. And these needs have been met in the new Radiolas. There was a need for a worth while receiver at a popular price. And this need, too, has been met. Thus the Radio Corporation of America fulfills its purpose—bringing together great new discoveries of the foremost inventors—making possible things that seemed impossible in radio. And bringing these newest achievements to every home, with a Radiola for every purse.

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$35.
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$100.
$150.
$206.
$220.
$245.
$286.
$425.

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FIRST

Radiola Super-VIII. A richly cabineted instrument, supremely selective, receiving over great distances—with *no antenna*—and no ground wire. It stands as aloof and beautiful as your phonograph. And brings in music and speech through its hidden loudspeaker — loud — clear — perfect in tone. Yet it has but two simple knobs to turn. It is an improved Super-Heterodyne, utilizing the second harmonic principle.

SECOND

Radiola X. For the home where the erection of an antenna raises no problem, this Radiola provides selectivity capable of meeting the requirements in congested broadcasting zones. With local stations operating, you can tune in distant stations without interference—and this with supreme simplicity. Its greatest achievement is the discovery that gives the reproduced voice and music a tone pure and undistorted. It is a "regenoflex" receiver—a vastly improved regenerative circuit of the non-radiating type.

THIRD

Radiola III. A sensitive two-tube receiver of the antenna type, which permits reception over long distances, or loudspeaker operation on the near stations. It is an improvement in tone and reception over previous two-tube receivers. It actually costs less than it could be made for at home! And with the two-tube balanced (push-pull) amplifier and the Loudspeaker, the beginner can add to his investment as he grows enthusiastic.

Radio Corporation of America

Sales Offices

233 Broadway, New York — 10 So. La Salle St., Chicago, Ill. — 433 California St., San Francisco, Cal.

Radiola

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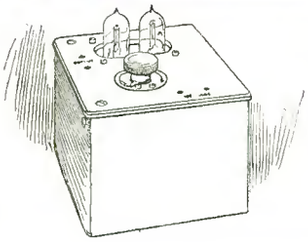
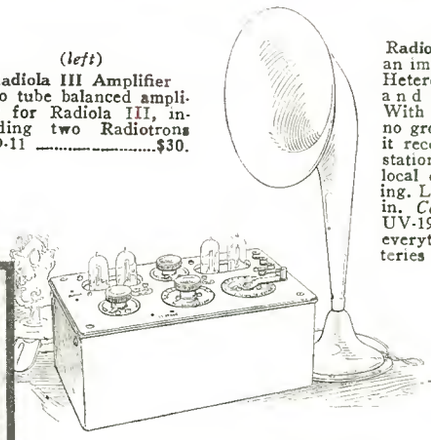
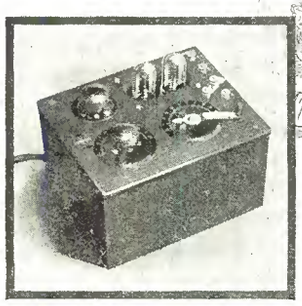


(left)
Radiola III Amplifier
Two tube balanced amplifier for Radiola III, including two Radiotrons WD-11 .....$30.

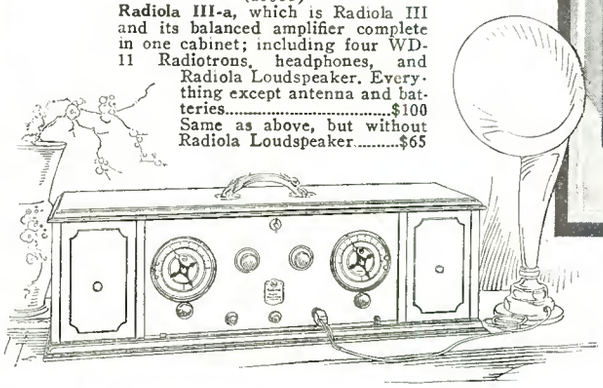


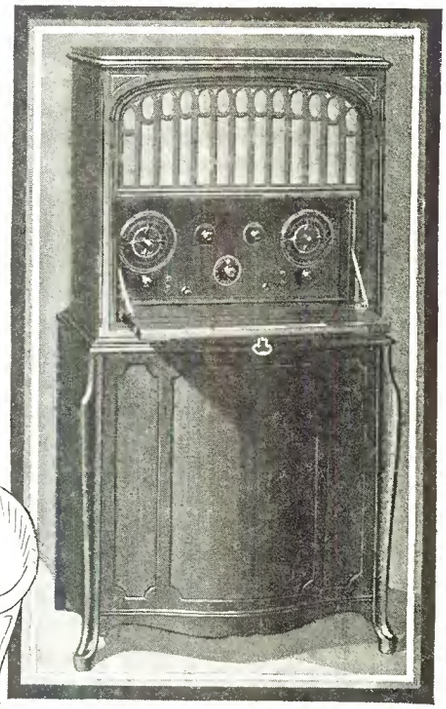
Radiola Super-VIII—an improved Super Heterodyne. Selective and non-radiating. With *no antenna,* and no ground connection, it receives far distant stations, even while local ones are operating. Loudspeaker built in. *Complete* with six UV-199 Radiotrons—everything except batteries .....$425.



(above)
Radiola III, an improved two tube receiver of antenna type, sensitive and selective. *Complete* with two WD-11 Radiotrons and headphones (everything except batteries and antenna) .....$35.

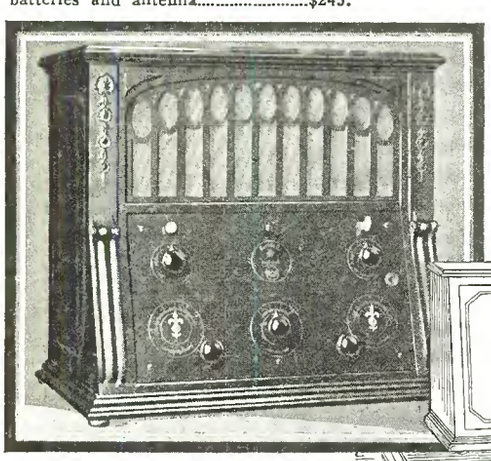
(above)
Radiola III-a, which is Radiola III and its balanced amplifier complete in one cabinet; including four WD-11 Radiotrons, headphones, and Radiola Loudspeaker. Everything except antenna and batteries.....$100
Same as above, but without Radiola Loudspeaker.....$65



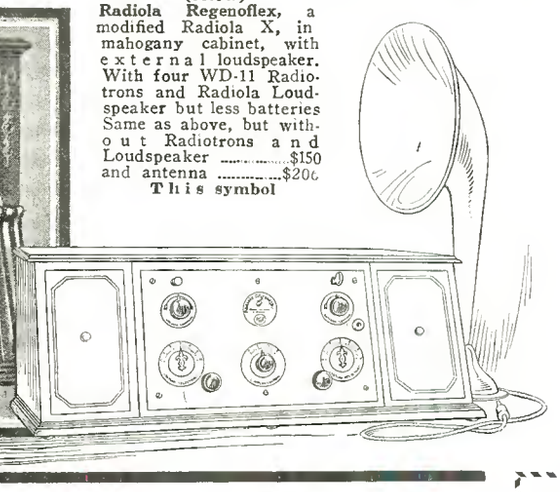


(left)
Radiola Super-Heterodyne (second harmonic) same as super VIII but semi-portable in mahogany finished cabinet, with separate Radiola Loudspeaker. With six UV-199 Radiotrons, but without batteries.....$286.
Same as above, but without Radiotrons or Loudspeaker....$220.

(right)
Radiola X—ultra refined receiver of the antenna type, selective and non-radiating. Remarkable for distance reception and perfect reproduction. Built-in new type loudspeaker. Complete with four WD-11 Radiotrons — everything except batteries and antenna.....$245.



(below)
Radiola Regenoflex, a modified Radiola X, in mahogany cabinet, with external loudspeaker. With four WD-11 Radiotrons and Radiola Loudspeaker but less batteries Same as above, but without Radiotrons and Loudspeaker $150
and antenna $200
This symbol



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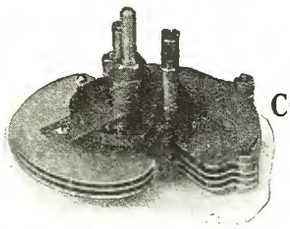
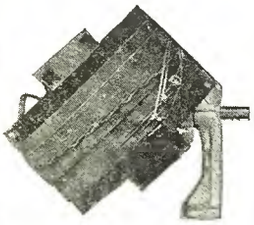


HAYNES CONDENSER

$3.50

Meets every requirement—extreme low minimum capacity and maximum capacity of exactly .00023 mfds.

No other condenser is exactly like it—no other achieves just the right balance between perfect selectivity and overcritical adjustment.

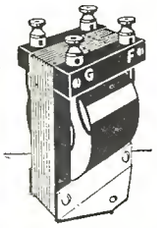


HAYNES BANK WOUND VARIO-COUPLER

$4.35

Designed to give absolutely perfect results. Furnished with only the taps you actually use, and just the right number of turns on the secondary. Bank winding provides 100% efficiency on higher broadcasting wave lengths.

HAYNES-GRIFFIN AUDIO-FREQUENCY TRANSFORMER



$3.85

Specially designed to work equally well with either dry cell or storage battery tubes. Five to one ratio. Best quality materials and workmanship throughout. Gives maximum volume of pure, clear amplification.

THE apparatus listed in this advertisement represents the most up-to-date equipment in radio today. Many of the parts were designed and perfected by A. J. Haynes, Associate Institute of Radio Engineers, after extended research. Each of these items represents an invaluable contribution to the art of radio.

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Located in New York City, the headquarters of the radio industry, Haynes-Griffin is always a leader in marketing new and improved apparatus. Our new price list—just off the press—brings you up-to-date in radio. Everything that's new in radio included. Mailed anywhere upon receipt of 4c in stamps.

For Radio Experimenters

Lombardi .0005 mfd. Vernier Condenser	$5.00
.5 mfd. By-pass Condenser	.90
Fada 6 Ohm Rheostat	.75
Fada Panel Mounting Socket (Standard)	1.00
Haynes-Griffin Precision Grid Leak (Every one tested for exact resistance)	.60
Amplex Grid-densers	1.25
WD-12, UV-201A, or UV-199 Vacuum Tubes, each	5.00
.005 Fixed Condenser	.60
Bradley Leak ¼ to 10 meg	1.85

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We will prepay carriage charges on all items for points east of the Mississippi River.

New York's Largest Radio Store

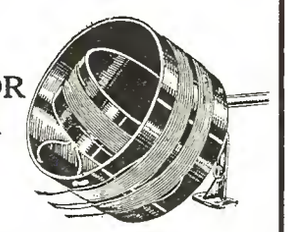
HAYNES-GRIFFIN TRANSFORMER

$4.25

An efficient intermediate wave radio frequency transformer giving a minimum of audio frequency amplification. Uniformly tuned to a limited wave length range, and providing a degree of quietness and stability heretofore unknown in transformers of this type.

Haynes-Griffin Input Transformer also $4.25

SPECIAL OSCILLATOR COUPLER



$3.50

An indispensable adjunct for those who want the best results from the most advanced circuits.

Supplied with necessary leads already attached.

HAYNES-GRIFFIN HEAD PHONES

$4.75

New model, 2400 ohms. Absolutely true reproduction. Designed so that they fit the head comfortably.

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Mail Order Department: **145 WEST 45th STREET, NEW YORK CITY**

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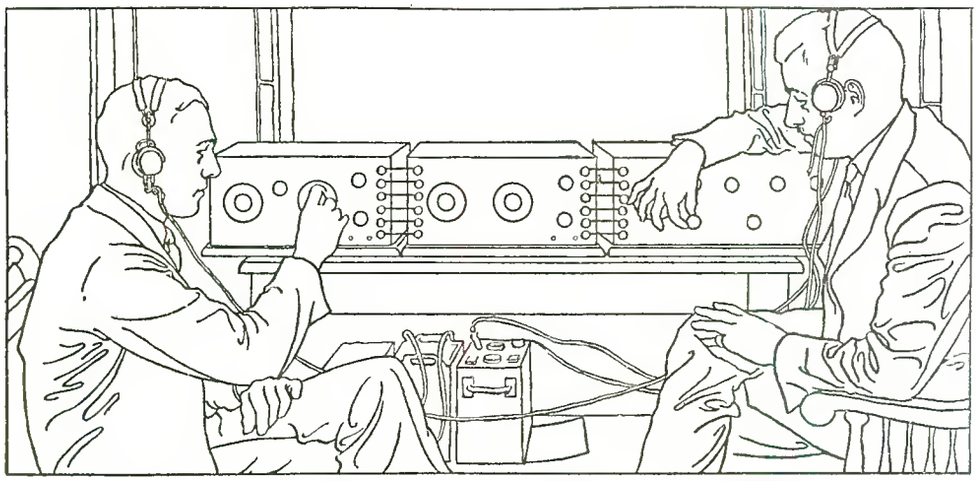
HOW TO BUILD THE NEW REGENERATIVE

Super-Heterodyne Receiver

Courtesy, Popular Radio

COST OF PARTS: ABOUT $100.00

RECEIVING RANGE: UP TO 3,400 MILES



THE TWO DESIGNERS DEMONSTRATE THEIR EXPERIMENTAL SET
The new receiver consists of three parts in separate cabinets. The tuner at the left is being operated by Mr. Haynes, the builder of the set; the oscillator is in the center and the amplifier at the right is being adjusted by Mr. Cockaday.

HERE ARE THE ITEMS YOU WILL NEED—

(K2, K3, and K4)—Haynes-Griffin special oscillator coupler;
K1—knob and dial, 3 inch;
L—Fett and Kimmel Micro-tube variable condenser, .0005 mfd.;
L1—knob and dial, 3 inch;
M—Fada panel mounting socket;
N—filament rheostat, 20-30 ohms;
O—Micadon fixed condenser, .005 mfd.;
P1 to P12—binding posts;
Q—composition panel;
R—cabinet.

THE super-heterodyne receiver is the most *sensitive* receiver yet developed. If it is properly designed it is also the most *selective*. Its one drawback, heretofore, has been its *complexity*—complexity of construction and operation. This and the fact that the amateur and broadcast listener cannot afford such a costly piece of apparatus as it has been up to this time has kept the super-heterodyne from gaining the popularity that it justly should have received.

However, the super-heterodyne (or any other type of set) must have the following qualities before it can ever be acclaimed by the multitude as a really popular circuit.

1. *It must be selective.*
2. *It must be sensitive.*
3. *It must be easy to construct.*
4. *It must be inexpensive.*
5. *It must be easy to operate.*
6. *It must be economical from an "A" battery standpoint.*

Although the super-heterodyne meets the first two points better than any other known type, it has always been termed the "Rolls-Royce" of radio. But, beside being the most selective and sensitive it was also complicated, expensive, and could not be built by any but the most experienced engineers. It has always imposed a heavy strain on the "A" battery on account of the large number of tubes necessary to take advantage of its extraordinary amplifying powers. These factors have kept it, up to the present time, as the "lord of all radio receivers," but unfortunately they have also limited its use to a chosen few who have had the price, the ability and the patience to master its complications.

The author of this article has long realized the possibilities of this wonderful circuit and he has, for a period of six months, devoted much time to research for the purpose of developing a simplified super-heterodyne that is worthy of the name.

Of course, with the new low-filament-consumption vacuum tube such as the C-301-A and the UV-201-A, the set can now be made efficient as far as "A" battery loading is concerned.

It is now possible to burn four tubes with less filament current than one tube would have taken a year ago.

This fact covers the point raised in the 6th requirement specified at the head of this article.

The circuit as finally evolved (and as will be described in this article) has only two operating controls; for this reason it really *is* simple to operate (Point No. 5.)

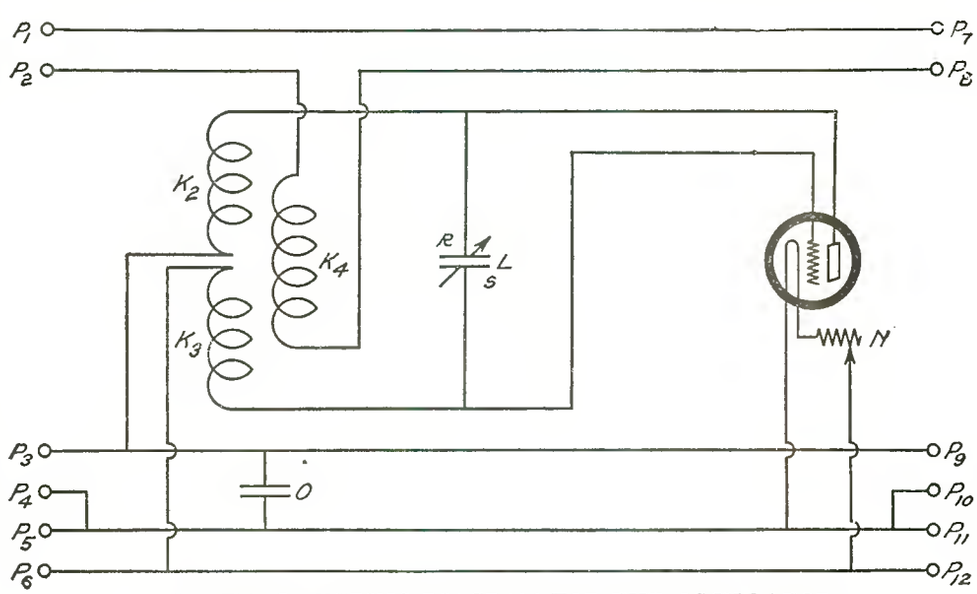
The circuit has been so simplified and the parts used so reduced to essentials, that it is relatively inexpensive. (Point No. 4.)

In its final form the set is really simple to construct. (Point No. 3.) It can be built in units. This places the super-heterodyne right where it ought to be as the ultimate in radio-reception apparatus but within the reach of anyone who is ordinarily handy with tools and who can afford to experiment with radio at all.

Some of the new features incorporated into the design of the set which make it so suitable for DX reception over wavelengths between 180 and 600 meters are:

The use of the first tube as a *radio-frequency amplifier.*

The use of a heterodyne oscillator *coupled to the plate circuit* of the first tube (instead of to the grid circuit as is usual).



THE EXACT WIRING DIAGRAM FOR THE OSCILLATOR

FIGURE 1: *This diagram shows how to wire up the oscillator panel including the special oscillator coupler, the heterodyne condenser, the tube and the fixed condenser. The binding posts are numbered so that the experimenter will have no trouble in connecting up.*

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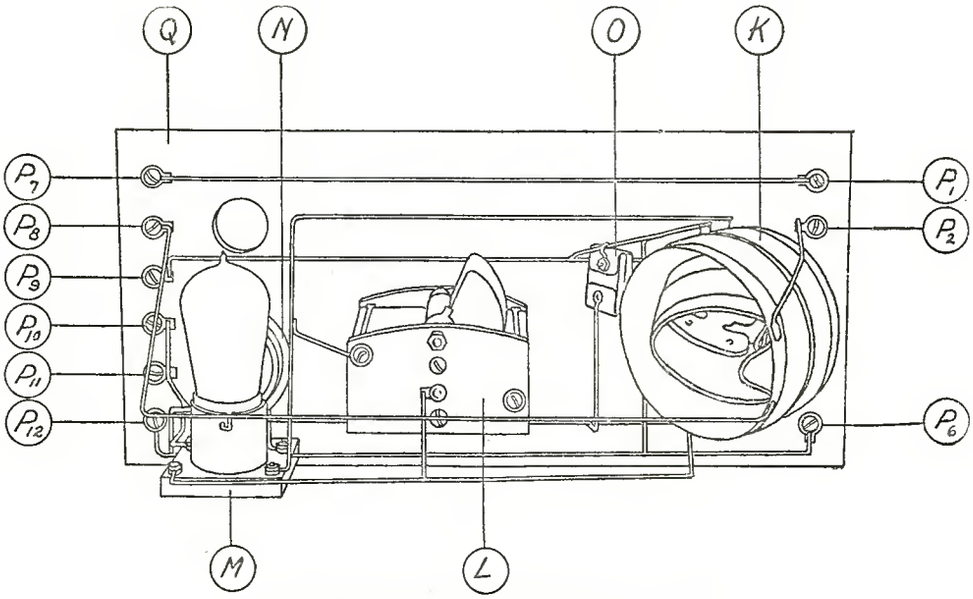


THE INTERIOR OF THE OSCILLATOR

FIGURE 2: *The parts are designated by letters which reappear in the text and in the other diagrams and drawings. This actual photograph of the instruments indicates the simplicity of the set and should dispel any fears the prospective experimenter may have that its construction is difficult.*

The use of a new type of air-core, radio-frequency transformer which is *sharply tuned to a wavelength of* 3,000 *meters.*

The use of *regeneration* in the radio frequency amplifier (which greatly boosts up signal strength without complicating the control).

The *elimination of the variable-tuned circuits* at the input of the radio-frequency amplifier.

The *reduction af the tuning controls to two knobs,* one for the wavelength and one for the heterodyne oscillator.

The successful use of *regeneration* in the first-tube circuit.

The use of the Haynes circuit *for tuning.*

The use of the *new thoriated-filament vacuum tubes throughout* (six tubes).

The use of a *new oscillation coupler* for the oscillator.

The set is constructed in three parts; the *tuner,* the *oscillator,* and the *radio-frequency amplifier.*

The Parts Used in Building the Oscillator

In all the diagrams in this article each part bears a designating letter. In this way the prospective builder of a receiver may easily determine how to mount the instruments in the correct places and connect them properly in the electrical circuit. The same designating letters are used in the text and the list of parts below.

If instruments other than the ones listed are used it will necessitate only the use of different spacing of the holes drilled in the panel and shelf for mounting them.

How to Construct the Oscillator

After procuring all the instruments and materials for building the set, the amateur should set about preparing the panel Q (shown in figures 2, 3, 4 and 5).

First of all the panel should be cut to the correct size, 7 by 15 inches.

Then the edges should be squared up smoothly with a file. The centers for boring the holes (which are necessary for mounting the instrument) should be laid out on the panel as shown in Figure 4.

The holes outlined here with a double circle should be countersunk so that the flat-head machine screws used for fastening the instruments will be flush with the panel. All the rest of the holes in this panel are straight drill holes. Sizes for the diameter of these holes have not been given, but the builder will readily decide what size hole is necessary by measuring the size of the screws and shafts of instruments that have to go through the holes.

When the panel is drilled, it may be given a dull finish by rubbing lengthwise with smooth sandpaper until the surface is smooth, then the same process should be repeated except that light machine oil should be applied during the rubbing. The panel should then be rubbed dry with a piece of cheese-cloth, and a dull permanent finish will be the result. Or the panel may be left with its original shiny-black finish, if care is exercised so that it is not scratched during drilling.

Next, mount the variable condenser L, by means of two screws inserted through the panel as shown in Figures 2, 3, and 5. The dial L1, should then be fastened to the shaft of the condenser by means of a setscrew.

New, fasten the oscillator coupler K, in its correct place (Figures 2, 3 and 5) by a single screw and attach the knob and dial K1. The three windings of the coupler are designed as K2, K3, and K4, but these designations are for wiring up and will be considered later.

An oscillator coupler may be made on two similar sized tubes as the coupler for the Haynes circuit. The larger tube (stator) contains two windings spaced ¼ inch apart. These windings K2 and K3 contain ten turns each of No. 22 DSC wire. The rotor winding K4 has 15 turns of the same size wire.

When this is done, mount the socket M, by two screws fastened through the panel, and mount the rheostat N, just above the socket. The arrangement of these two parts is clearly in Figures 2, 3, and 5.

The fixed condenser O, can be left until the wiring is done as it is to be supported by the connecting wires and does not need to be mounted on the panel.

Now fasten on the binding posts P, as indicated in Figures 2, 3, and 5 by inserting a screw through the panel for each one. The various binding posts are designated in the diagrams by numbers from 1 to 12, but these are only given for ease of identification in wiring. All the binding posts are exactly alike.

The dimensions for the cabinet are given in Figure 6. This cabinet may be made by anyone who is handy with carpenter tools, or, the drawing in Figure 6 may be turned over to a cabinet maker. It should be made of hardwood finished to suit the owner's taste. However, as the cabinet for this set is a standard size, it may be procured from almost any radio store; merely ask for a cabinet for a 7 by 10-inch panel.

How to Wire the Oscillator

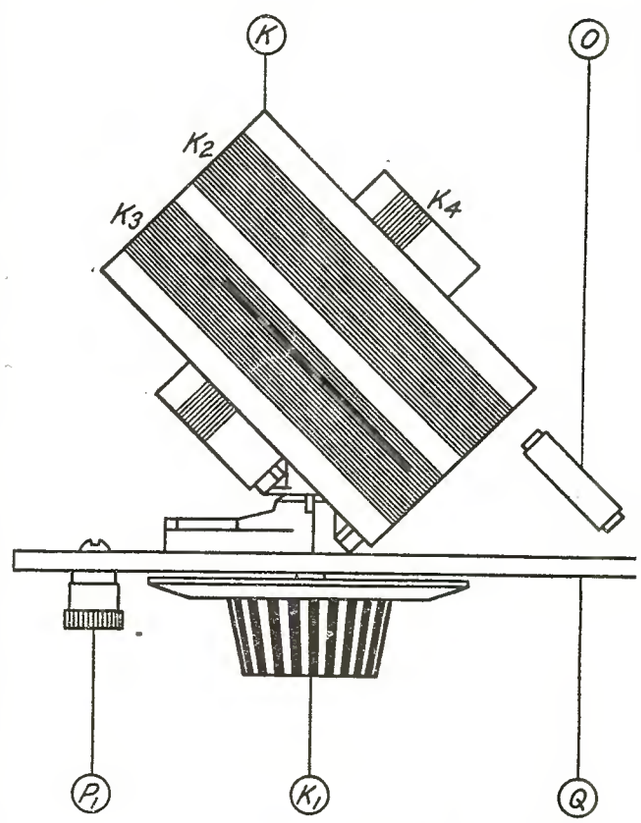
The oscillator should be connected up with bus wire in the following manner:

Run a straight piece of tinned copper bus wire from the binding post marked P1 to the post marked P7, as shown in Figure 1. P1 is the top binding post on the left hand side of the panel (looking from the front). P7, is the top binding post on the left hand side of the panel (looking from the front). P7, is the top binding post on the right side of the panel (also looking from the front of the panel).

Next, connect binding post P2, with one end of the rotor winding K4, (of the oscillation coupler K), with a wire and connect the other end of winding K4. with the bind post P8.

Now run a wire from P3, to P9, and also connect another wire to this piece and run it to the inside end of the stator winding K2 (of the coupler K). From the outside end of the winding K2. run a wire direct to the plate terminal of the socket M.

Then run a wire from binding post P4, di-



HOW THE PARTS

FIGURE 3: *The diagram extending acrass working drawing af the ascillator, it shows are viewed from above.*

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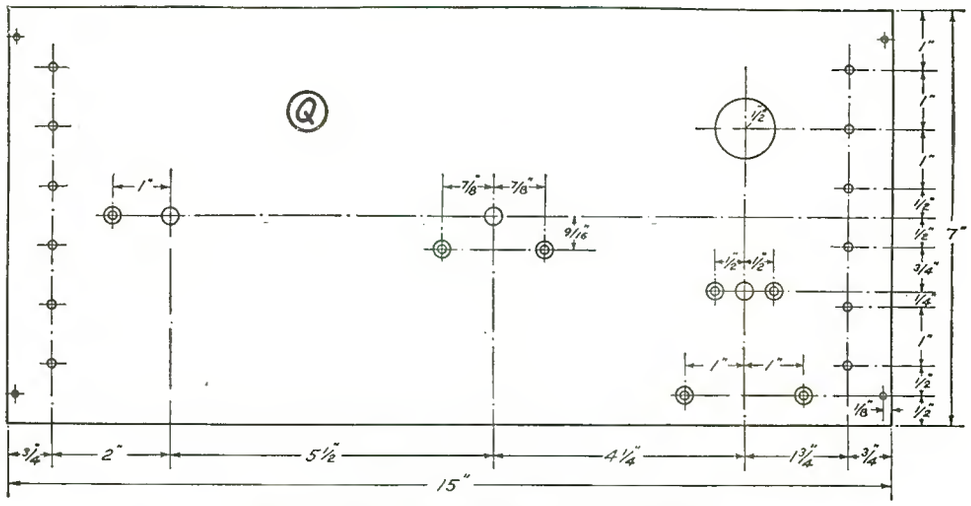
rect to P5, and from there over to P11, and on to P10. The condenser should now be connected by two bits of wire between P3 and P5.

When this has been done, run a wire from P11 to one filament terminal of the socket M, and from the other filament terminal connect a wire to the rheostat N. From the other side of the rheostat a wire should be connected direct to P12.

Now, connect binding posts P6 and P12 with a wire, and run a connection from P6, up to the inside end of the winding K3 (of the coupler K). The other end of the winding K3, should be run to the grid terminal of the socket M.

Finally connect the variable condenser L, between the plate and grid leads (from the socket M), being sure that the rotor plates of the condenser are connected to the plate lead and the stator plates of the condenser are connected to the grid leads as indicated in the wiring diagram in Figue 1.

This completes the wiring.



THE DRILLING PLAN FOR THE PANEL

FIGURE 4: *This drawing shows where to drill the holes in the panel for mounting the instruments and attaching the binding posts. The correct spacings are given for the holes. The holes outlined with a double circle should be countersunk.*

What the Oscillator Does

Almost every radio fan who operates a regenerative set is familiar with the whistle accompanying reception of a radio-broadcast signal when the detector is *oscillating*. We know that this is caused by the incoming radio-frequency current combining with the radio-frequency current generated by the vacuum tube when it is allowed to oscillate. However, when the wavelength of the oscillating receiving circuit is varied slightly *off* the wavelength of the incoming signal, the whistling note heard in the receivers goes up in pitch. In other words, when the frequency of the local oscillations (generated in the receiver) is identical with the frequency of the signals being received, the whistle is *not* heard. The two sets of oscillations are then in synchronism or in phase with each other.

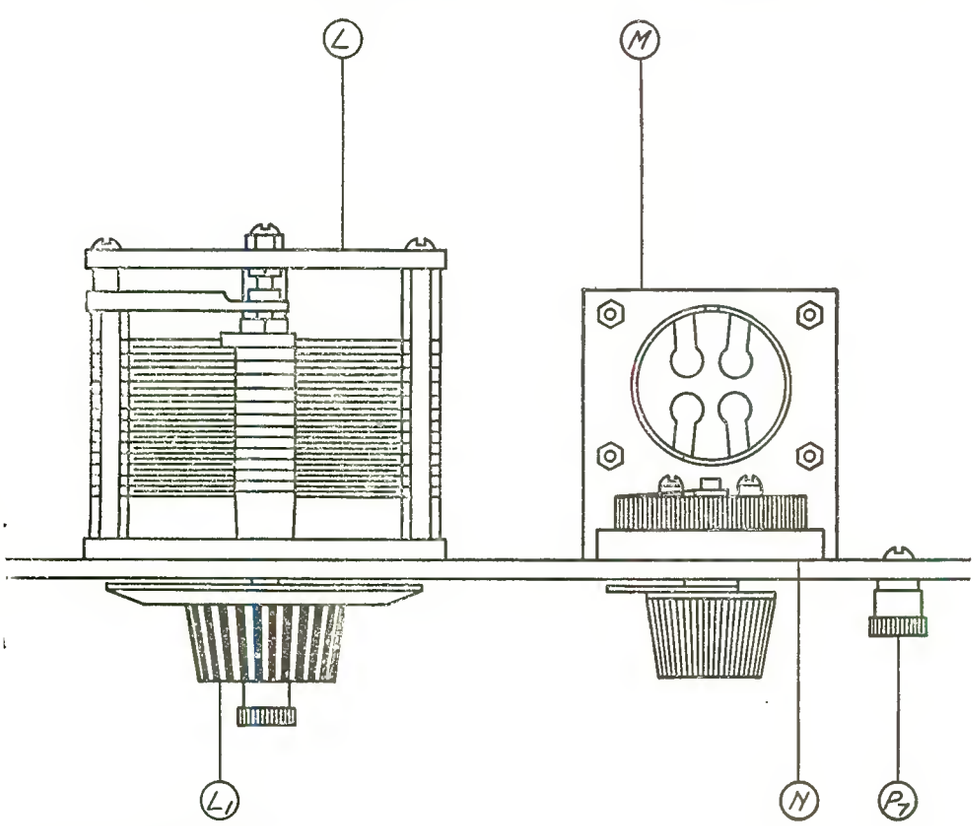
When the frequency of the local oscillations is varied either up or down, slower or faster than the frequency of the received oscillations, a whistle is heard which starts with a low pitch and gradually increases till it goes way up and up above audibility. The greater the difference in frequency between the local oscillations and the received oscillations, the higher the "beat note" will be. As stated before if we further increase the difference in frequency the note will become inaudible and if it is increased sufficiently a *beat will be produced which will have a radio-frequency wavelength of its own.* The oscillator (or heterodyne as it is more widely known) does this when used for this purpose. It generates an oscillating, radio-frequency current, the frequency of which can be varied at will, so that it will heterodyne or beat with the incoming signals and produce another signal like the incoming signal, only on a higher wavelength!

In this way the incoming signal can be *reproduced* on a higher wavelength, in this case 3,000 meters, at which wavelength, radio-frequency amplication can be carried on with enormously greater efficiency than on the original wavelength.

This is the secret of the super-heterodyne; it permits of super-amplification at a radio-frequency by means of a heterodyne.

In the oscillator, just described, the frequency of the local oscillations is varied by rotating the condenser L, by means of the knob L1.

For those who want to own a receiver that will literally reach out to the corners of the earth and pick out a whisper to recreate it into a mighty shout, here is the set to make. Contrary to belief, it really is a simple set to tune.



ARE ASSEMBLED

the bottom of these two facing pages is a the general arrangement of the parts as they

PART II

Part 1 of this article told how to make the oscillator for the super-heterodyne; it also gave an outline of the salient points of this type of receiver and described what it was and what it would do. Some of the new points involved in the amplifier unit are described in detail in the following article.

COST OF PARTS: ABOUT $40.00

HERE ARE THE ITEMS YOU WILL NEED—

S1 to S4—vacuum-tube sockets;
T1 to T4—four Haynes-Griffin transformers, one input and three radio-frequency transformers, 3,000 meters;
U—Potentiometer, 200 ohms;
V—Filament rheostat, 6 ohms;
W—tubular grid leak, 2 megohms;
X1—Mica condenser, .005 mfd.;
X2—Mica condenser, .00025 mfd.;
X3—Mica condenser, .002 mfd.;
X4—Paper condenser, .5 mfd.;
X5—Paper condenser, .5 mfd.;
Y1 to Y12—binding posts;
Z1—composition panel;
Z2—wooden sub-panel, 6¼x14½ inches.

FIRST of all, when they started work on this set the designers tested out the various makes of transformers for radio frequencies between 2,000 and 6,000 meters. After long experimentation, they decided that there would be a distinct advantage in a transformer which

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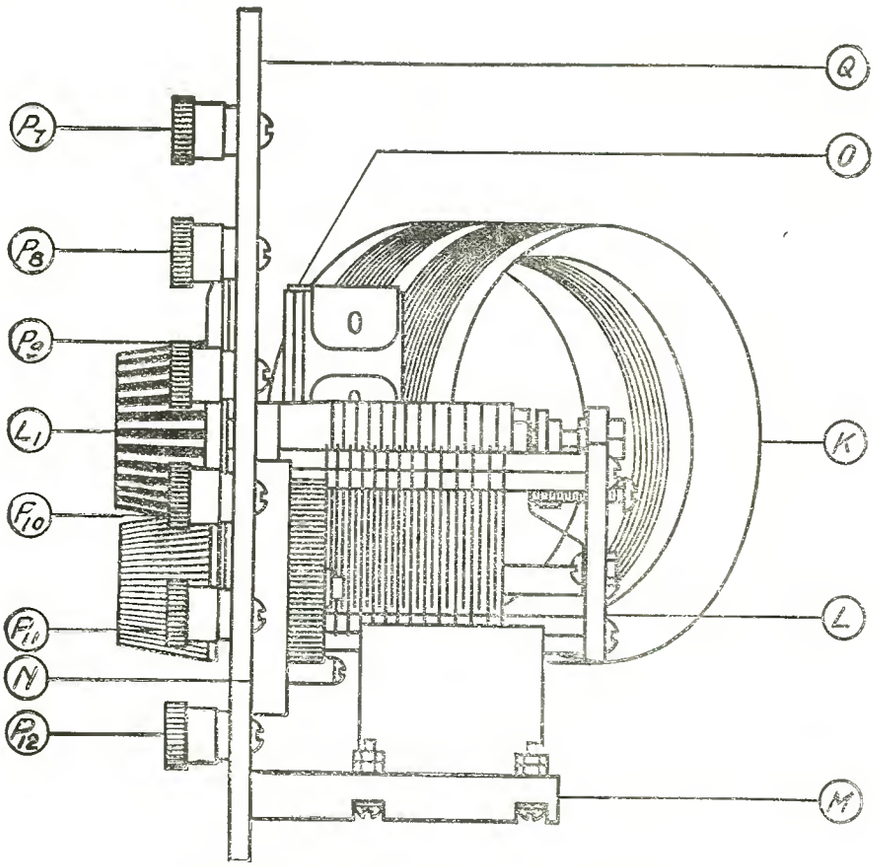


THE SIDE VIEW OF THE OSCILLATOR

FIGURE 5: *This mechanical drawing gives the side elevation of the instruments as they should be fastened to the panel. The binding posts are mounted in a vertical line at each end of the panel.*

would not involve the use of an iron core. It was decided that they needed a transformer that would be *sharply* tuned to *one particular wavelength* to which all incoming signals could be heterodyned.

This, of course, would insure much sharper tuning, in the set as a whole, than would be possible with a radio-frequency transformer which responded to signals over a relatively wide band of wavelengths.

After still more experimentation with air-core transformers which were built up with variations in the turn ratios, variations in the fundamental wavelengths, variations in the magnetic coupling, and variations in the resistance of coils (this involved many trials with windings of different size of wire) it was decided to use a transformer that was extremely sharply tuned on 3,000 meters. This was found better than the somewhat higher wavelengths more generally used in super-heterodyne amplifiers in that the possibility of cutting out some of the side bands due to critical tuning was less than at the higher wavelengths. This wavelength also was found to be relatively free from interference. (The reader will note that the authors do not describe how to make these transformers or any other parts of radio apparatus which they consider beyond the scope of the amateur experimenter's handiwork. It is much better that he should buy the parts and be sure of satisfaction in his experiments than that he should waste a lot of time and energy and finally get unsatisfactory results.)

Then there was the consideration of a suitable means for coupling the output circuits of the tuner and the oscillator to the radio-frequency amplifier. In most amplifiers which are broadly tuned, the input circuits is usually tuned fairly sharply by means of two honey-comb coils placed in inductive relation and shunted by two variable condensers. In adjusting such a set the proper coupling had to be found by experiment; then the two condensers had to be adjusted to the best resonance point of the radio-frequency transformers. This of course helped in sharpening up the operation of the set, but it added the adjustments of coupling and double-circuit tuning to the set.

In the amplifier described in this chapter the input transformer is designed with a high step-up voltage ratio; at the same time, by shunting the primary coil with a fixed condenser of the proper capacity, the correct wavelength (corresponding to the wavelength of the other transformers) is automatically adjusted, thus eliminating all the adjustments that have heretofore been regarded as necessary.

The amplifier contains three steps of tuned-radio-frequency amplification which is fixed in wavelength and also the detector (vacuum tube). It is a simple matter to build the unit and it is also a simple matter to operate it. There are only two knobs on the set; a regeneration control (potentiometer) which has to be adjusted only once, and one rheostat which controls the filament of all four tubes.

The exact electrical wiring diagram is shown in Figure 1.

The Parts Used in Building the Set

In all the diagrams in this article each part bears a designating letter. In this way the prospective builders of a receiver may easily determine how to mount the instruments in the correct places and connect them properly in the electric circuit. The same designating letters are used in the text and the list of parts below.

The list of parts given at the head of this chapter includes the exact instruments used in the particular set from which these specifications were made up; however, there are many other reliable makes of instruments which may be used with equally good results.

If instruments other than the ones listed are used it will necessitate only the use of different spacing of the holes drilled in the panel and shelf for mounting them.

How to Construct the Set

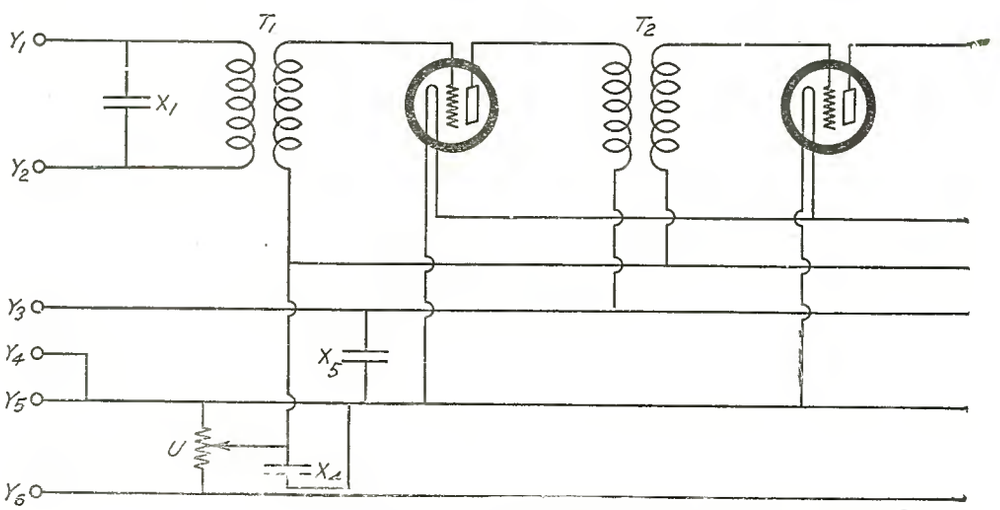
After procuring all the instruments and materials for building the set, the amateur should set about preparing the panel Z1. (shown in Figures 2, 3, 4 and 6).

First of all the panel should be cut to the correct size, 7 by 15 inches.

Then the edges should be squared up smoothly with a file. The centers for boring the holes (which are necessary for mounting the instruments) should be laid out on the panel as shown in Figure 4.

The holes outlined here with a double circle should be countersunk so that the flat-head machine screws used for fastening the instruments will be flush with the panel. All the rest of the holes in this panel are straight drill holes. Sizes for the diameter of these holes have not been given, but the builder will readily decide what size hole is necessary by measuring the size of the screws and shafts of instruments that have to go through the holes.

When the panel is drilled, it may be given a dull finish by rubbing lengthwise with smooth sandpaper until the surface is smooth, then the same process should be repeated except that light machine oil should be applied during the rubbing. The panel should then be rubbed dry with a piece of cheese-cloth, and a dull permanent finish will be the result. Or the panel may be left with



THE ELECTRICAL WIRING DIAGRAM

FIGURE 1: *By following this circuit, the amateur experi the instruments. The parts are designated by the same*

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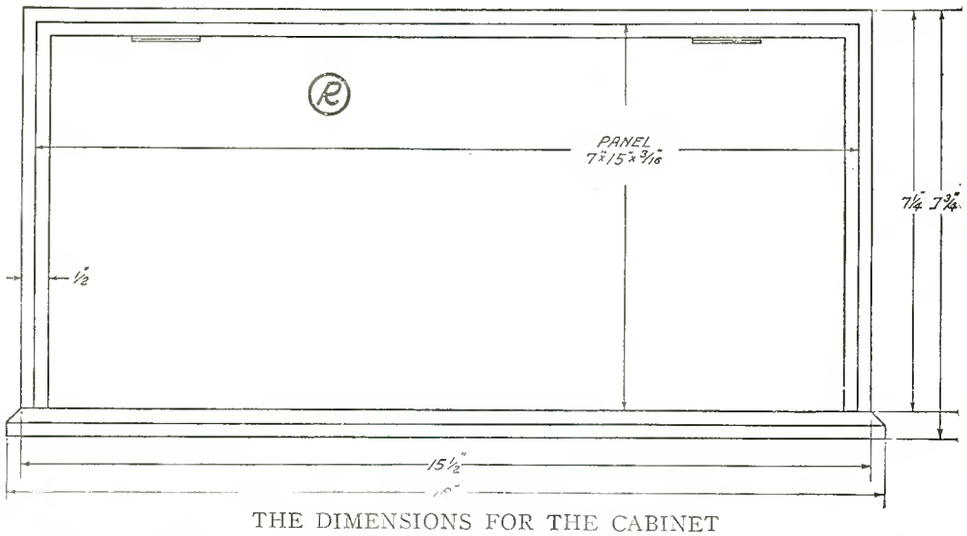
its original shiny-black finish, if care is exercised so that it is not scratched during drilling.

Next the sub-panel Z2, should be cut to the correct size, 6¼ by 14 inches, and painted with a dark *insulating* paint, and fastened to the main panel Z1, with wood screws running through the face of the main panel and into the edge of the sub-panel. (See Figures 4 and 6.)

Now mount the potentiometer U on the main panel with two screws, and likewise the filament rheostat V, as shown in Figure 6.

Next, screw the four sockets S1, S2, S3, and S4 to the sub-panel Z2 by means of two brass screws to each socket. Secure the two paper condensers in a similar manner, X4 between the sockets S1 and S2, and X5 between the sockets S3 and S4. (See Figures 3 and 6.)

Mount the input transformer T1, as shown in Figure 6, by a single brass woodscrew, and do the same thing similarly with the radio-frequency transformers T2, T3, and T4.



THE DIMENSIONS FOR THE CABINET

FIGURE 6: *This diagram (which contains the front and side measurements for the hardwood cabinet) may be turned over for construction to the cabinet maker or a cabinet of this size may be obtained from almost any radio supply store.*

These transformers are wound in two slots cut out of a piece of hardwood. The core for the windings should be ⅝ inch in diameter. The slots for the primary and the secondary windings should be ¼ inch wide and the two slots separated by a distance of ⅛ inch. For the input transformer wind, on the primary, 300 turns of No. 36 DSC wire. For the secondary wind 1,000 turns of the same size of wire. For the other three transformers, wind, on the primary, 850 turns of No. 36 DSC wire and for the secondary wind on 1,000 turns.

As the three condensers X1, X2 and X3 are supported by the wiring they may be left until the set is connected up. The condenser X2 should be of the type of micadon that has two clips for mounting the grid leak directly upon it.

Now mount and fasten, with screws on the rear of the panel, the twelve binding posts Y1 to Y12, in two vertical lines of six each, one line at one end of the panel and one line at the other. These binding posts should be fastened in the proper holes drilled for them in the main panel Z1.

A standard cabinet may be obtained for the amplifier; just ask for a 7 x15-inch cabinet.

The dimensions for this cabinet are shown in Figure 5.

The construction work is now completed.

How to Wire the Amplifier

The amplifier should be connected up with bus wire in the following manner:

Connect one end of the primary coil of the transformer T1 with binding post Y1. (Posts Y1 to Y6 are located on the left-hand end of the panel, looking from the *front* and posts Y7 to Y12 are located at the right-hand end of the panel, also looking from the *front*. The wiring diagram in Figure 1 should be reversed if you figure out the connections from the *back* of the panel.)

The other end of the primary coil should be connected to post Y2 and the condenser X1 should be connected directly across the primary wires of the transformer.

Next connect three separate wires straight across from post Y3 to Y9, from Y5 to Y11 and from Y6 to Y12. Then connect posts Y4 and Y5 together and connect posts Y10 and Y11 together, with short bits of the bus wire.

The next job will be to connect potentiometer U across the two wires connecting Y5 to Y11 and Y6 to Y12. The mid-connection on the potentiometer should be connected to one side of the condenser X4 and one end of the secondary of T1, T2 and T3. The remaining end of T1 secondary winding should be connected to the grid terminal of the socket S1. Likewise with the remaining end of the secondary windings of T2 and T3; they should be connected to the grid terminals of sockets S2 and S3, respectively.

Now connect the remaining side of condenser X4 to the bottom wire attached to post Y6.

Then connect the condenser X5 across Y3 and Y6 binding posts, anywhere suitable along the two long wires connecting these two posts to posts Y9 and Y12, respectively.

Now connect condenser X3 across post Y7 and Y12.

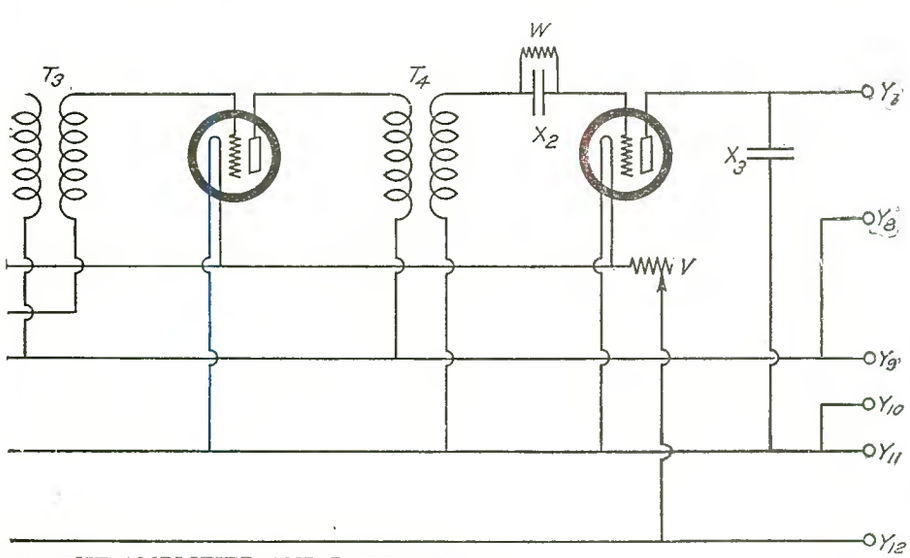
Run a wire from Y12 to the pointer on the rheostat V. The other end of the rheostat should be connected to one of the filament terminals on each of the sockets S4, S3, S2 and S1. The remaining filament terminals on these four sockets should all be connected to the long wire connecting posts Y5 and Y11. From this same wire run another wire to one end of the secondary winding of the transformer T4. The other end of this winding should be connected direct to one side of the condenser X2 and the grid leak W. The other side of these two instruments should be connected to the grid terminal of the socket S4.

Connect the plate terminal of the socket S1 to one end of the primary winding of transformer T2. The other end of the primary T2 should be connected to the long wire connecting posts Y3 and Y9.

Do the same thing with the plate terminal of socket S2 and the primary winding of transformer T3.

Do the same thing with the plate terminal of socket S3 and the primary winding of transformer T4.

The last wiring job will be to connect the plate terminal of socket S4 to post Y7 and the hook-up will be complete.



FOR THE AMPLIFIER AND DETECTOR

menter may be sure of obtaining the proper connections for letters that appear in the other diagrams and the text.

Operating Data

To set up the various units after they have been completed and put in their cabinets is a simple matter.

First, place the Haynes tuning unit at the left-hand side of the table and next to it, on the right, place the oscillator. Then, at the right of the oscillator, place the amplifier unit that you have just completed. You may also place the two-stage audio-frequency amplifying unit at the right of the radio-frequency unit if a terrific signal is required—but this is not recommended by the author.

As all the cabinets are of the same size and finish they make a neat businesslike appearance.

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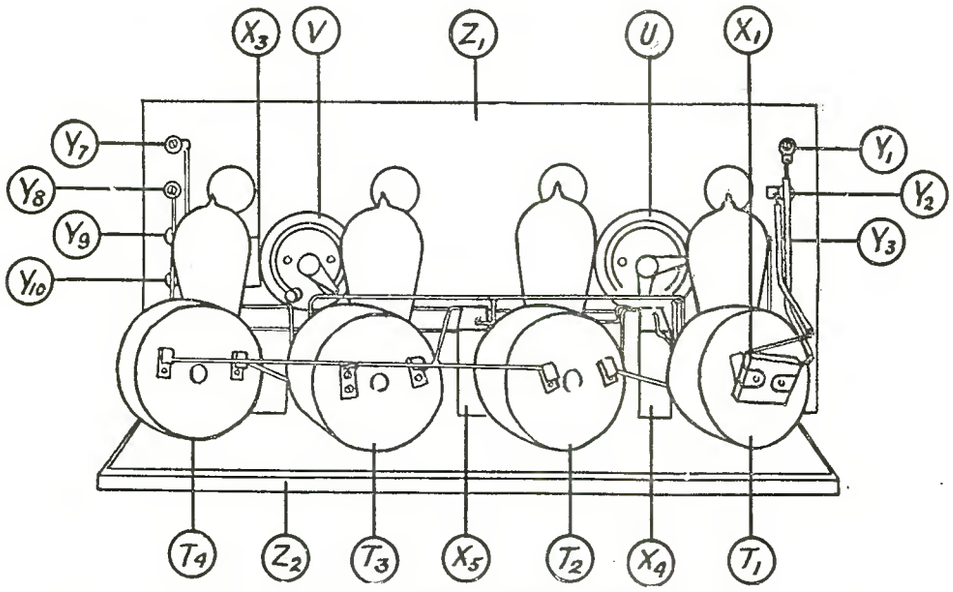


A VIEW OF THE AMPLIFIER FROM THE REAR

FIGURE 3: *Here is shown the general arrangement of the apparatus which is mounted partly on the main panel and partly on the sub-panel or base-board.*

Now, just bridge across from one binding post on one unit to the binding post opposite it on the next unit as they stand together. This will give you six connections between the tuner and the oscillator unit, six between the oscillator unit and the radio-frequency amplifier unit, and so on.

Now, to connect the batteries and phones, do the following:

Connect the positive "A" battery to the post Y12 on the amplifier unit.

Connect the negative "A" battery to the post Y11 on the amplifier unit.

Connect the negative "B" battery to the post Y10 on the amplifier unit.

Connect the positive "B" battery to the post Y9 on the amplifier unit.

Connect one terminal of the telephones to the post Y8 on the amplifier unit.

Connect the remaining terminal of the telephones to post Y7.

Connect the antenna and ground to the two left-hand posts on the tuner.

All the other units will then be automatically connected to the batteries and to each other.

Next, place in the socket six UV-201-a vacuum tubes, making sure before doing so that the rheostats in all the units are turned *off*.

Put the receivers on your head, but not too near your ears, and turn up the tubes to the correct brilliancy.

Then start with the initial adjustment. Place the regenerative control knob A1 on the tuner at a low value (say at 10). Place the oscillator-coupler knob K1 at a high value (near 100). Place the antenna switch F1 on the second tap from the left. Set the wavelength knob B1 at 40. Place the heterodyne control knob L1 at about 40. Then adjust the potentiometer knob on the amplifier, by turning in a clockwise motion until a loud rushing noise is heard in the telephones. Turn the potentiometer just a little further on beyond this point.

The initial adjustment is finished, now to tune in a station.

Turn the heterodyne adjusting knob L1 slowly in one direction or the other until you hear a signal. Then bring in the signal louder by adjusting with the wavelength knob A1. (These are the two knobs that you will use altogether for tuning; A1 to tune to wavelength and L1 to heterodyne the signals).

When you have these two adjustments made the best you can get them, start and go over all the other adjustments you have already made and thus get the set working, once and for all, at the highest efficiency.

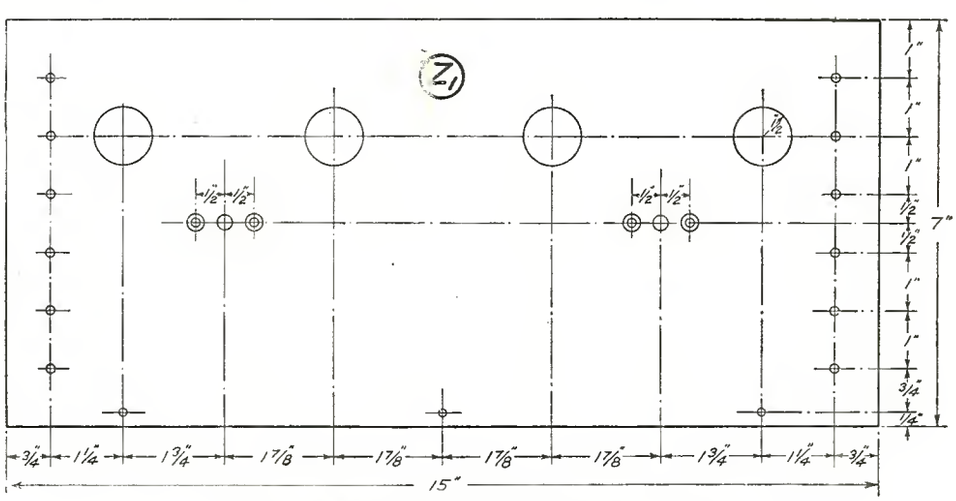
When this is *once* done, you need not bother with the other adjustments again; they are only necessary to get the set working properly.

To get other stations, you may change the setting of A1 and find the corresponding setting for L1 to bring in this wavelength. You will find that for a given setting on A1 there will be a given setting on L1.

The regenerative control should only be used on extremely distant stations where it will be found a great help in making the signals audible.

When you have mastered the tuning method, you will find that you can tune in anything, no matter what the distance, if the wavelength is within the range of tuner (180 to 550 meters) and if the static is not too strong.

You will find little interference and great sensitivity in such a set and the reception will be extraordinarily clear.



THE DIMENSIONS FOR THE MAIN PANEL

FIGURE 4: *By following this diagram, the correct size of the panel will be assured together with the correct spacing for the holes for the screws which hold the parts, and the shafts of the instruments which protrude through the face of the panel.*

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BARKELEW RADIO ACCESSORIES

Antenna Equipment

Four Phone Plugs and Posts

LIGHTNING ARRESTER
Required on the antenna of every Receiving Station.
Cat. No. 606 Price $2.00

FOUR PHONE POST
For Vacuum Tube Sets
Connects four or less head-sets in Series.
Cat. No. 618 Price $0.75

FOUR PHONE POST
For Crystal Sets
Connects four or less head-sets in Multiple.
Cat. No. 615 Price $0.75

FOUR PHONE PLUG
Connects four or less head-sets in Series to any Radio Set using telephone jacks.
Cat. No. 616 Price $1.50

LIGHTNING ARRESTER SWITCH
For Receiving Stations
Demanded by those who want the best.
Cat. No. 602 Price $3.50

ACCESSORIES THAT SELL READILY

The distribution of Barkelew Products is through the Jobber and the Dealer.

A big demand has been created by National Advertising. The field is ripe for Jobbers and Dealers. Promote your own interest, by pushing these advertised accessories while people are reading about them.

FOUR PHONE PLUG
Connects four or less head-sets in Multiple to any Radio Set using telephone jacks.
Cat. No. 614 Price $1.50

GROUND SWITCH
Required on all Transmitting Stations. Built of 100 Ampere copper.
Cat. No. 601 Price $3.15

VACUUM ARRESTER TUBE
Used in 602 Switch and 606 Arrester.
Sold separately.
Cat. No. 622 Price $1.00

STANDARD CORD TIPS
With Solder Inserted
Can be soldered on Phone cord with a couple of matches.
Cat. No. 623 Price .05 ea.

All radio material is packed in paper boxes and labeled making excellent shelf stock.

FOUR PHONE POST
Adapted for Aeriola Senior
For four or less head-sets in Series. Remove nuts and slip over phone posts.
Cat. No. 617 Price $1.00

GROUND SWITCH
Required on all Transmitting Stations. Built of 60 Ampere copper.
Cat. No. 600 Price $2.50

PORCELAIN PEDESTAL
Brown Glaze
For spacing Switches No. 600, No. 601 and No. 602. 5" out from the wall.
Cat. No. 611
Price $0.50 pr.

"LEAD IN" INSULATOR
For Transmitting Stations
A large petticoat insulator on a treated wood pin.
Cat. No. 613 Price $1.00

"LEAD IN" INSULATOR
For Receiving Stations
Spaces the "Lead In" Wire 5" out from the wall.
Cat. No. 612
Price $0.50

FOUR PHONE POST
With Universal Adaptor for Crystal Sets
An adaptation of No. 615 for mounting on rubber Covered Binding Posts placed from ⅞ inches to 1⅜ inches C. to C.
Cat. No. 625 Price $1.00

FOUR PHONE POST
With Universal Adaptor for Vacuum Tube Set
An adaptation of No. 618 for mounting on rubber Covered Binding Posts placed from ⅞ inches to 1⅜ inches C. to C.
Cat. No. 628 Price $1.00

The Barkelew Electric Mfg. Co.

MIDDLETOWN, OHIO

CHICAGO, ILL.
15 S. Clinton St.

SAN FRANCISCO
75 Fremont St.

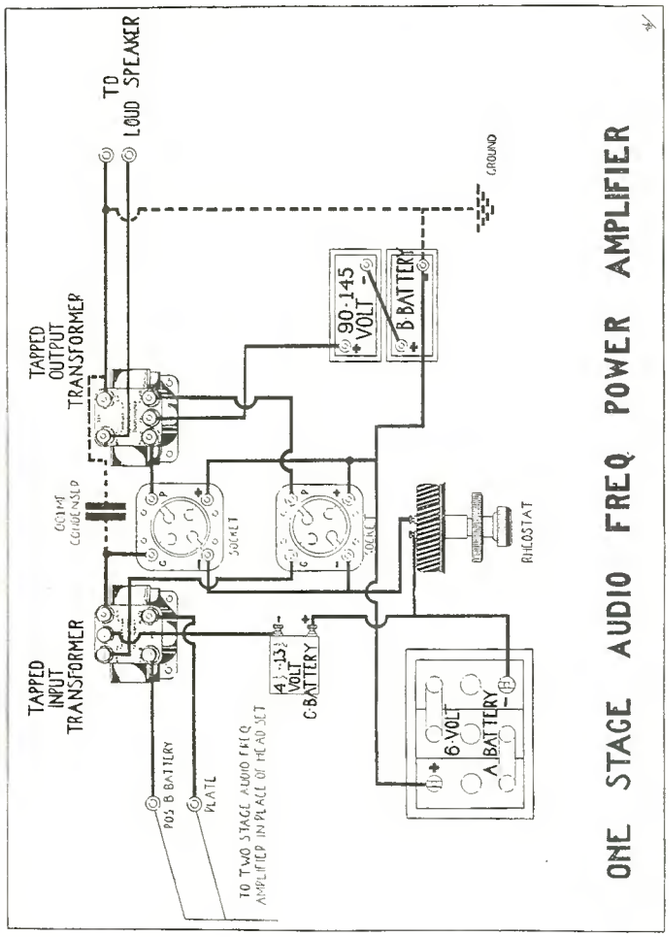
NEW YORK
50 Church St.

LOS ANGELES
411 S. Main St.

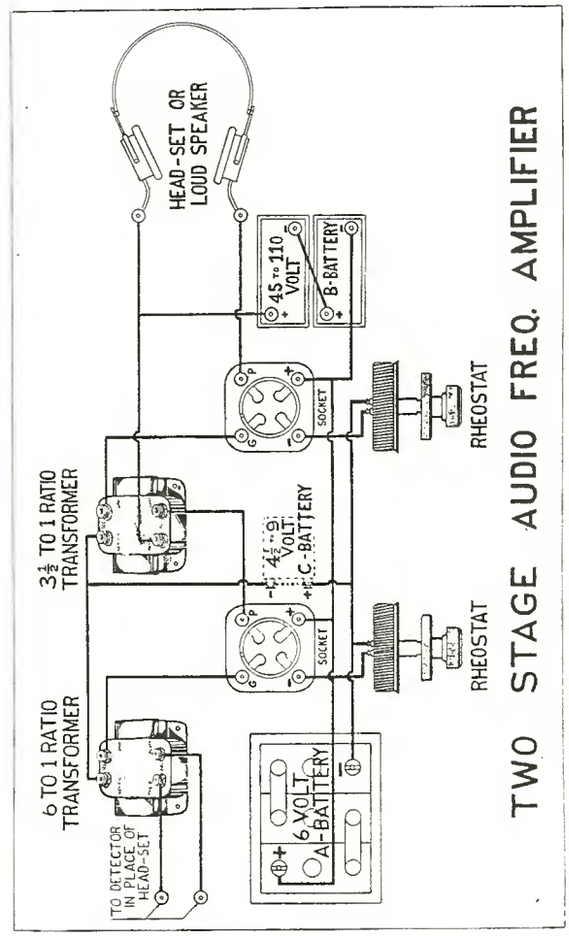
Tell 'Em You Saw It in the Citizens Radio Call Book

www.americanradiohistory.com

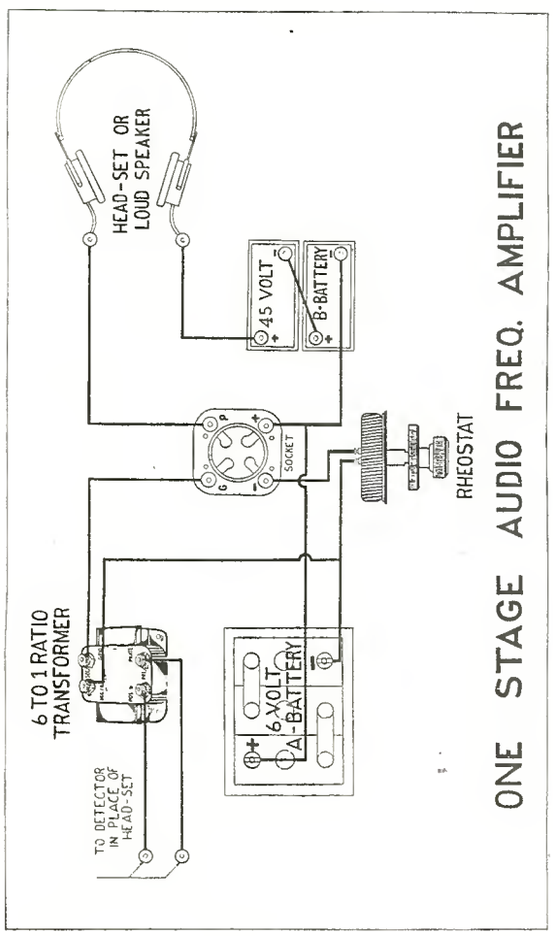
SCHEMATIC DIAGRAMS



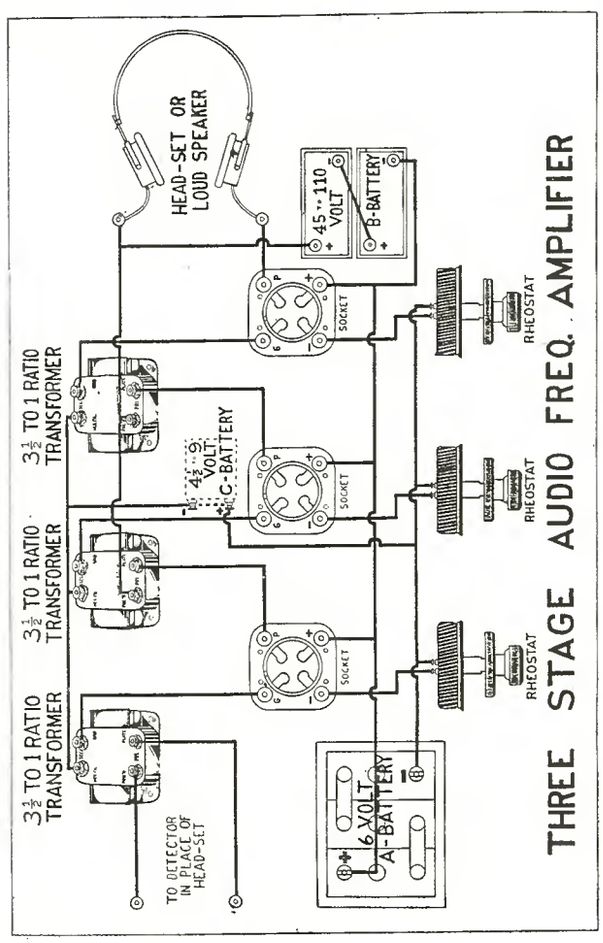
ONE STAGE AUDIO FREQ POWER AMPLIFIER



TWO STAGE AUDIO FREQ. AMPLIFIER



ONE STAGE AUDIO FREQ. AMPLIFIER



THREE STAGE AUDIO FREQ. AMPLIFIER

Drawings courtesy Thordarson Electric Mfg. Co., Chicago, Ill.

www.americanradiohistory.com

From North Pole to Avalon

Thordarson transformers again move the ether. McMillan's arctic ship, the Bowdoin, established a new distance transmission record when it worked with station 6XAD at Avalon, off the Catalina Islands. The Bowdoin transmitter is only 100 watts but uses a Thordarson ½ KW 500 cycle, 3000 volt divided secondary plate supply transformer.

The engineers who designed the Bowdoin's radio equipment accepted only the most efficient and trustworthy equipment obtainable. Donald Mix, W N P's operator, is constantly proving the wisdom of their choice.

Amateurs everywhere are attesting the merits of Thordarson transmission equipment, and we have received many letters of commendation from our satisfied "ham" friends.

Many broadcasting stations, such as WJAZ, WDAP, are using Thordarson transformers in their transmitters.

We maintain a service department for amateurs. Bring your transformer questions to us. We will gladly answer them.

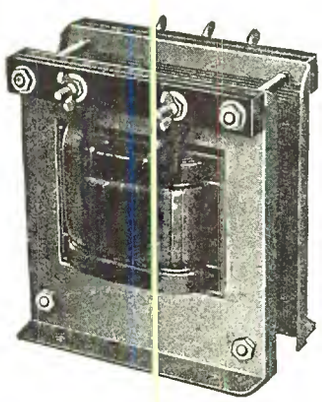
C. W. TRANSFORMERS

FILAMENT HEATING

Watts Capacity	Sec. Volts	Price Unmounted	Price Mounted
80	8½	$ 6.00	$ 7.00
150	12	8.00	10.00
300	12	12.50	15.00

PLATE SUPPLY

Watts Capacity	Secondary Each Side	Price Unmounted	Prices Mounted
100	350 & 550	$11.00	$13.00
450	1000 & 1500	16.00	18.00
900	1000 & 1500	27.00	30.00



A. F. Amplifying Transformers
Power Amplifying Transformers
Variable Condensers

C. W. Filament Transformers
C. W. Plate Transformers
Spark Transformers

Write for Transmission Circular

THORDARSON ELECTRIC MFG. CO.

Tell 'Em You Saw It in the Citizens Radio Call Book

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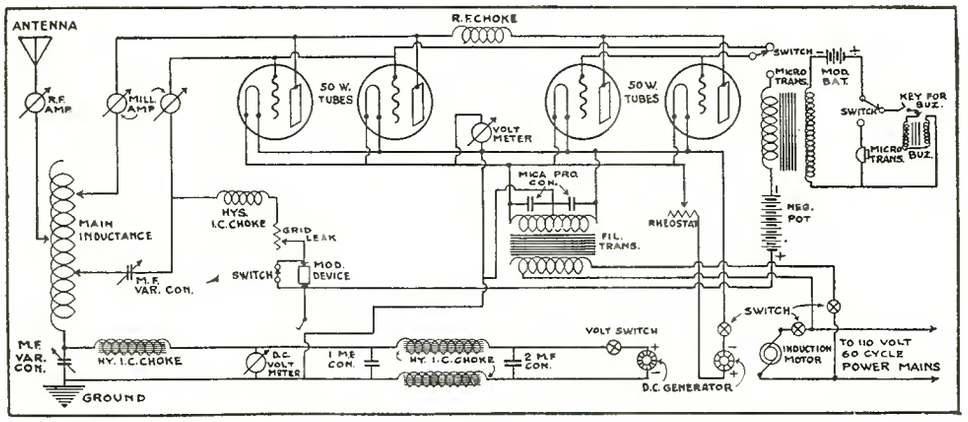
Schematic Diagrams Cont'd

TRANSMITTING CIRCUITS

SCHEMATIC DIAGRAMS—Continued



Colpitt's Circuit

Parts consist of: .0015 M. F. and .003 M. F. Variable Condenser. 1 M. F. and 2 M. F. Fixed Condenser. Main Inductance. 30 turns ⅜" Copper Tubing. Radio Frequency chokes. Ironcore chokes. 4—50 watt tubes. 2000 Ohm Rheostat, 1000 volt and 40 volt D. C. Generator. 200 watts. Induction motor. Microphone transformer. "C" Battery. High frequency buzzer. Key. Microphone Transmitter. Filament transformer. Protective condensers. Donble throw switches.

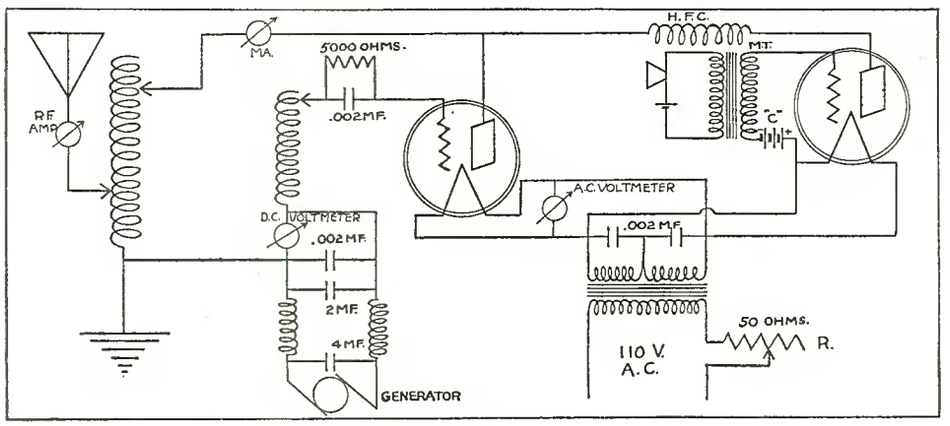
Filament Voltmeter, 0-15; Plate Voltmeter, direct current, 0-1500; Plate Milliammeter, direct current, 0-1000; Grid Milliammeter, direct current, 0-100; Antenna Ammeter, thermo couple type, 0-8.

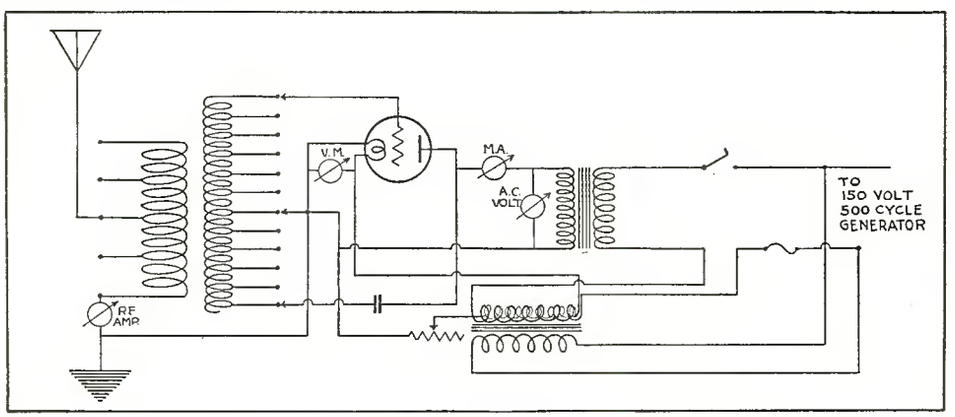
Reverse Feed Back Circuit

Parts consist of: D. C. Motor Generator. Protective condensers. Tuning inductance consisting of 20 turns No. 4 wire 8" in diameter. Grid coil about 20 turns, tapped at 15-17-19 and 20th turns, wound with No. 18 D. C. C. wire in reverse direction to and placed inside of antenna inductance.

5 to 10,000 Ohm Grid Leak. Filament lighting transformer. Microphone transformer. Microphone transmitter. "C" Battery. High frequency choke coil and 2 5-watt tubes.

Filament Voltmeter, alternating current, 0-10; Plate Voltmeter, direct current, 0-500; Plate Milliammeter, direct current, 0-200; Antenna Ammeter, thermo couple type, 0-3.





Meissner Circuit

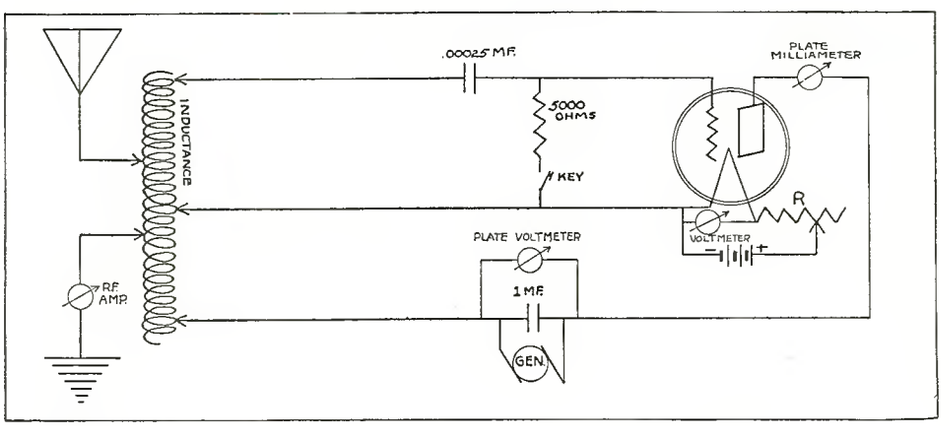
Parts consist of: Plate and Grid Coupling coils wound with No. 18 wire spaced ⅛" apart and tapped every 5 turns. 500 cycle 150 volt motor generator. Antenna coil consisting of 30 turns Litzendraht tapped every 2 turns and mounted so as to slip over coupling coil. .004 M. F. Grid Condenser. Key. Power and Filament Transformers.

Filament Voltmeter, alternating curent, 0-10; Plate Voltmeter, alternating current, (with special 0-1000 calibration for 500 cycles, alternating current; Plate Milliammeter, direct current, 0-1000; Antenna Ammeter, thermo couple type, 0-2.

The Hartley Circuit

Parts consist of: One CW inductance. Two fixed condensers. Telegraph key. 5000 ohm grid leak. Filament battery and rheostat. DC Generator.

Filament Voltmeter, direct current, 0-10; Plate Voltmeter, direct current, 0-500; Plate Milliammeter, direct current, 0-100; Antenna Ammeter, thermo couple type, 0-2.



Drawings furnished by courtesy of Jewell Electrical Instrument Co.

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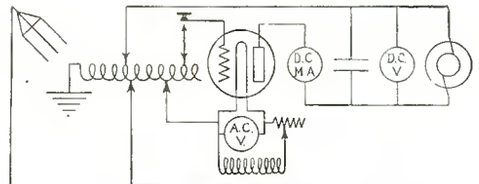
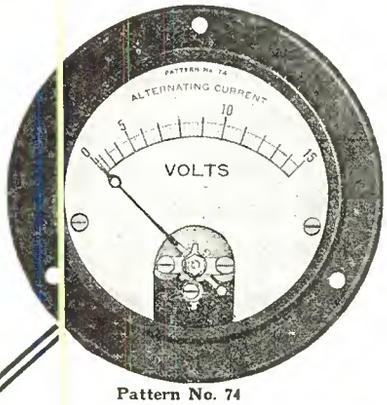
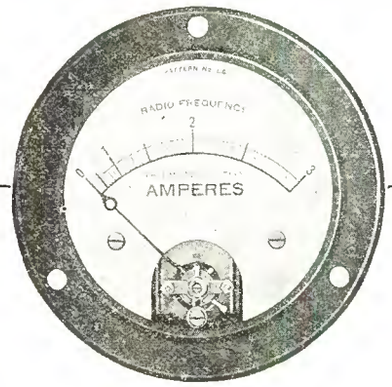
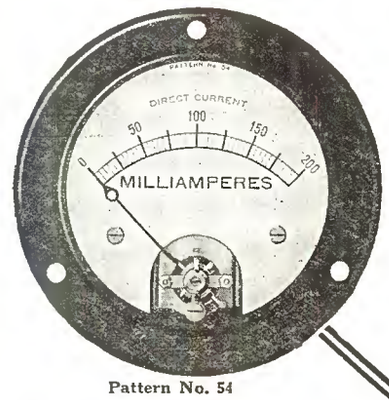




Pattern No. 74



Pattern No. 64



Pattern No. 54

The Jewell Trio

The reputation of Jewell instruments in the radio industry has been largely built around this "Trio" of instruments. While we have developed several new instruments, such as our No. 90 wavemeter and No. 95 complete radio test set, these three instruments have made the name Jewell known by practically every radio amateur in the United States and Canada, and we enjoy a very nice export business in Europe, Australia, Argentine, Brazil and Mexico.

Accuracy — Reliability — Uniformity

We were the first, and even to this day, we are the only instrument manufacturer making Direct Current, Alternating Current and Thermo Couple type instruments in the same uniform size cases for flush panel mounting. The accuracy and substantial construction of Jewell instruments is universally recognized and our low prices have, of course, added to their popularity.

Every radio experimenter should have a copy of our Radio Booklet No. 14-A, in which we show diagram hookups for our different type instruments.

THE RADIO TEST SET

Buy From Your Dealer

Jewell Electrical Instrument Co.

1640-50 Walnut St., Chicago, U. S. A.

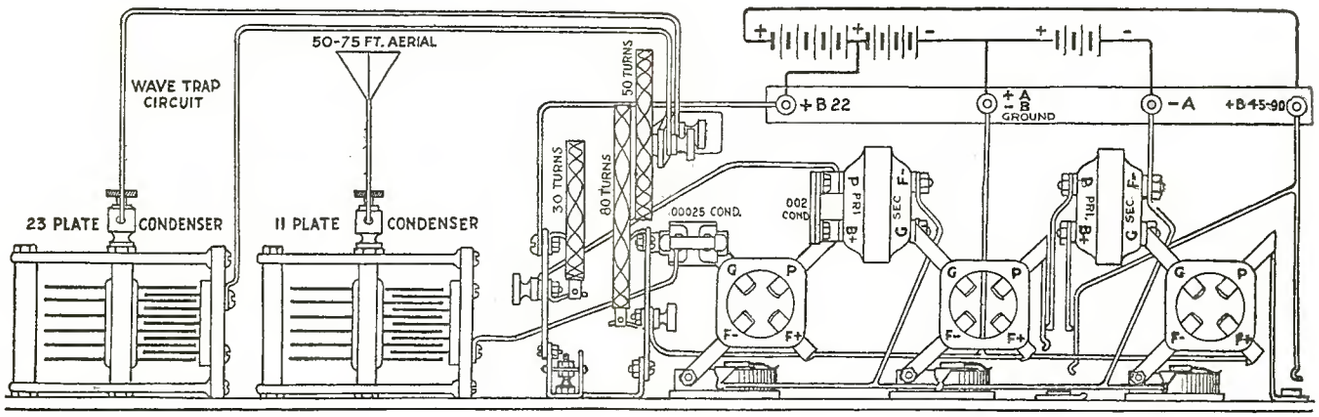
Offices in the Following Cities

New York	Cleveland	Minneapolis	Denver
Boston	Detroit	Kansas City	Spokane
Philadelphia	Montreal	Knoxville	Seattle
Pittsburgh	Toronto	New Orleans	San Francisco
Buffalo	Winnipeg	Dallas	Los Angeles

JEWEL WAVEMETER

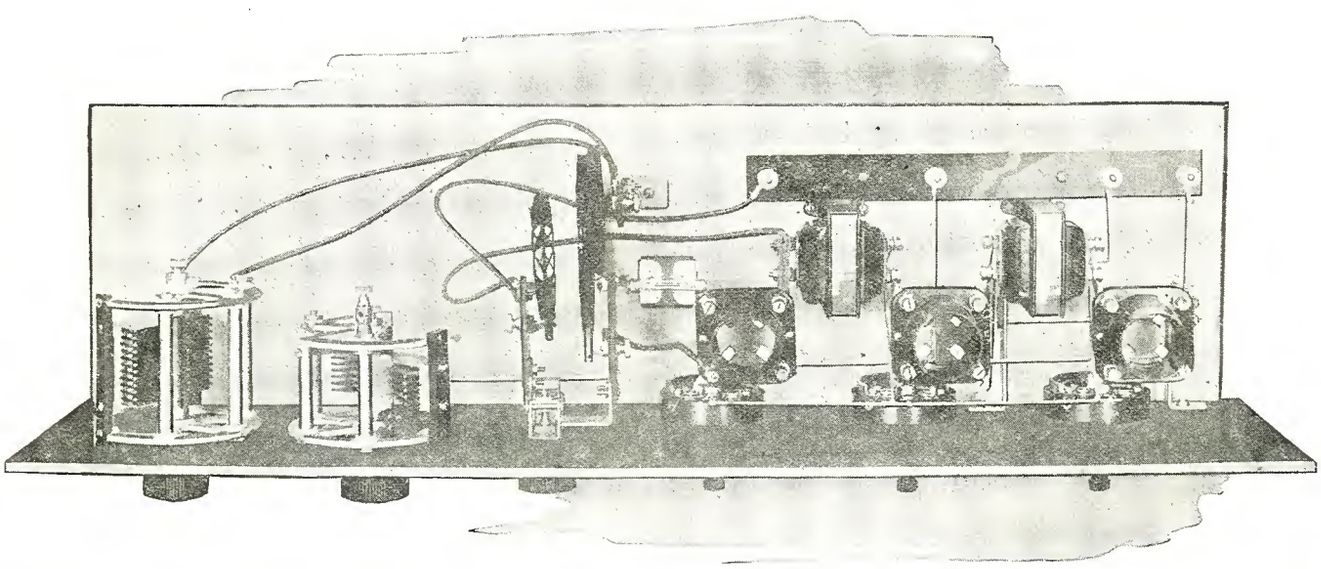
www.americanradiohistory.com

SCHEMATIC DIAGRAMS—Continued.



FLEWELLING SINGLE CIRCUIT EFFICIENCY SET

With Wave Trap



Wiring Diagram Of Flewelling Set Shown Above

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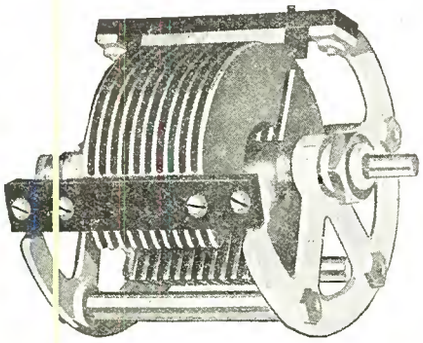
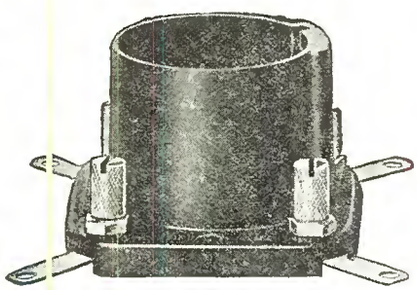
Genuine— E. T. Flewelling Radio Apparatus De Luxe



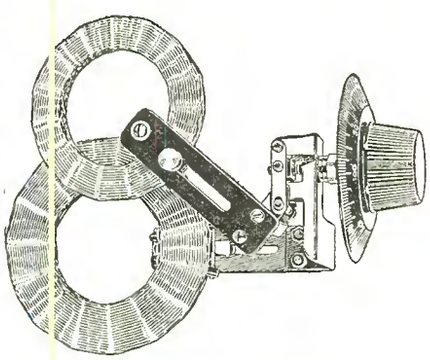
Flewelling Condenser

.0005 mfd. 23 Plate **$7.00**
.00025 mfd. 11 Plate **6.00**
3 in. Dial and Vernier Gearing **1.50**



Flewelling Socket

Standard **$1.00**
No 199 . . . . . **1.00**



Flewelling Tuner

Tuner Complete With Dial . **$8.00**
Fixed Double Coil Mount With Coils **4.50**
Fixed Single Coil Mount With Coil **2.50**
Coils—Less Than 50 Turns . **1.00**
Coils—50 to 100 Turns . . **1.25**

HERE is the condenser you have been waiting for. It combines the highest in electrical efficiency with the greatest mechanical durability. It is a condenser that you will be anxious to build into the new set. The stations it will bring in and the way it will bring them in will increase your regard for it the longer you own it. Its life is indefinite.

The Flewelling Type R Condenser is not high priced. Consider its useful life and the fact that it is as close to a laboratory instrument as is possible to get in commercial production. Its electrical characteristics place it at the top of the list. The novice can appreciate its mechanical superiority at a glance. Its heavy $\frac{1}{16}$ inch brass plates will stand considerable banging around without disturbance of alignment. Large ball bearings insure freedom from binding action in turning rotor. Ruggedness of construction insures its long life.

The condenser is the most important element in your set. You are most dependent on it for tuning efficiency. It is a poor place to use cheap material if you want good results. The more condensers in your hook-up the more important it becomes that they are all of high electrical efficiency. Use Flewelling Parts and note the difference.

Why attempt to save a few cents on a socket when you can get perfection in the Flewelling Socket? Lowest capacity losses between contacts owing to wide spacing. Best type of wiping contact insuring firm, quiet connections. Moulded Bakelite in a most efficient design. Ask to see one and note its superiority.

The Flewelling Type S Tuner makes use of the efficient basket weave winding with a micrometer control of the coupling. So efficient is the tuner that when used in conjunction with a good condenser it is possible to cover the entire broadcasting wave band without changing coils or using taps. The efficiency of this tuner can be judged by the fact that with a 15 turn coil or less as tuning inductance it is possible to receive considerably below 100 meters. The small amount of dielectric used makes this type of tuner quite efficient.

All Flewelling parts are made under the personal supervision of Mr. E. T. Flewelling, the radio engineer who invented the super-circuit bearing his name.

BUELL MANUFACTURING COMPANY
2973 Cottage Grove Ave.
CHICAGO

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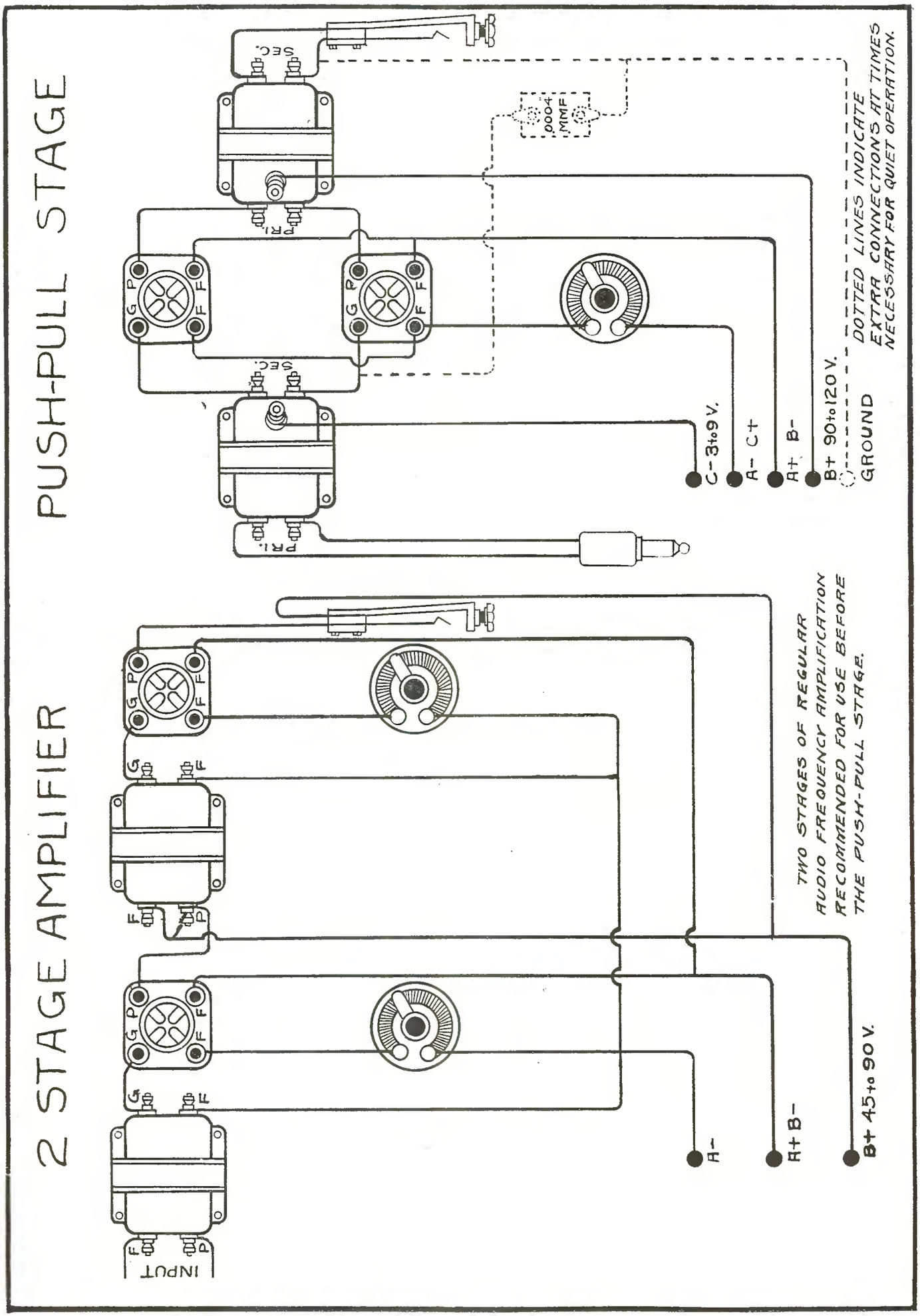
SCHEMATIC DIAGRAMS (Cont'd)



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Amplify the MODERN way!

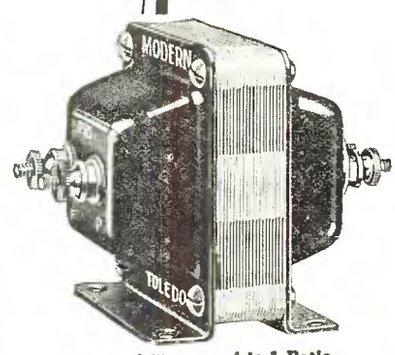
"Push-Pull" Amplifying Transformers

for those who demand more than has heretofore been secured from audio frequency amplification. Used in addition to one or two stages of audio.

When used as a second stage, quality of tone is considerably clarified with no perceptible increase in volume, but with distortion due to harmonics entirely eliminated. Used as third stage, tone and quality of reproduction are not only improved but amplification is also greatly increased.

Two Modern "Push-Pull" Transformers and two standard amplifier tubes, preferably of UV-201-A or C-301-A type are necessary for one stage of "Push-Pull" amplification. This is used in connection with a one or two-stage standard audio frequency amplifier. For the most satisfactory operation a separate "B" battery of 90 to 112 volts is used. All information and wiring diagrams sent upon request. Price $12.50 per set of two (2).

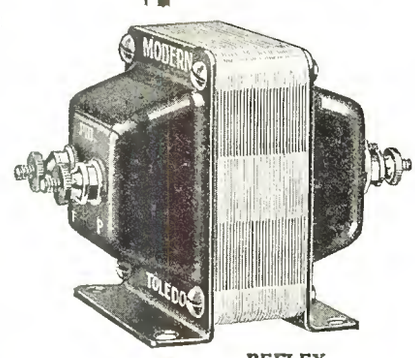
If your jobber or dealer can't supply you, write us giving his name.



4 to 1 Ratio
For use in 2-Stages of audio amplification.
Price.....$5.00

Modern Reflex and Standard Audio Transformers

are also made in 4 to 1 and 10 to 1 ratio. The 4 to 1 is recommended for use for 2-stage amplifier. The 10 to 1 is especially recommended for all reflex circuits where a higher secondary reactance helps maintain the equilibrium in the circuit necessary for effective operation. The audibility amplification curves of these transformers are practically flat. Modern Standard Transformers are guaranteed to give perfect satisfaction. Can be used with all standard tubes.



REFLEX
10 to 1 Ratio
For use in all reflex circuits using crystal detector.
Price.....$5.50

"I recently purchased your Modern Transformers, Nos. 112 and 113, for Push-Pull amplification, and I am pleased to say that, for volume and clearness of tone, it cannot be beat. It is also a bear for D. X. I am using this in conjunction with a home-made Standard Regenerative, three-tube circuit. I heartily recommend it."
(Signed) Geo. J. Merwede,
Woodhaven, N. Y.

The Modern Electric Mfg. Co.,

Dept. 1000 **Toledo, Ohio**

Modern Electric MFG. CO. Toledo, O.
Trade Mark

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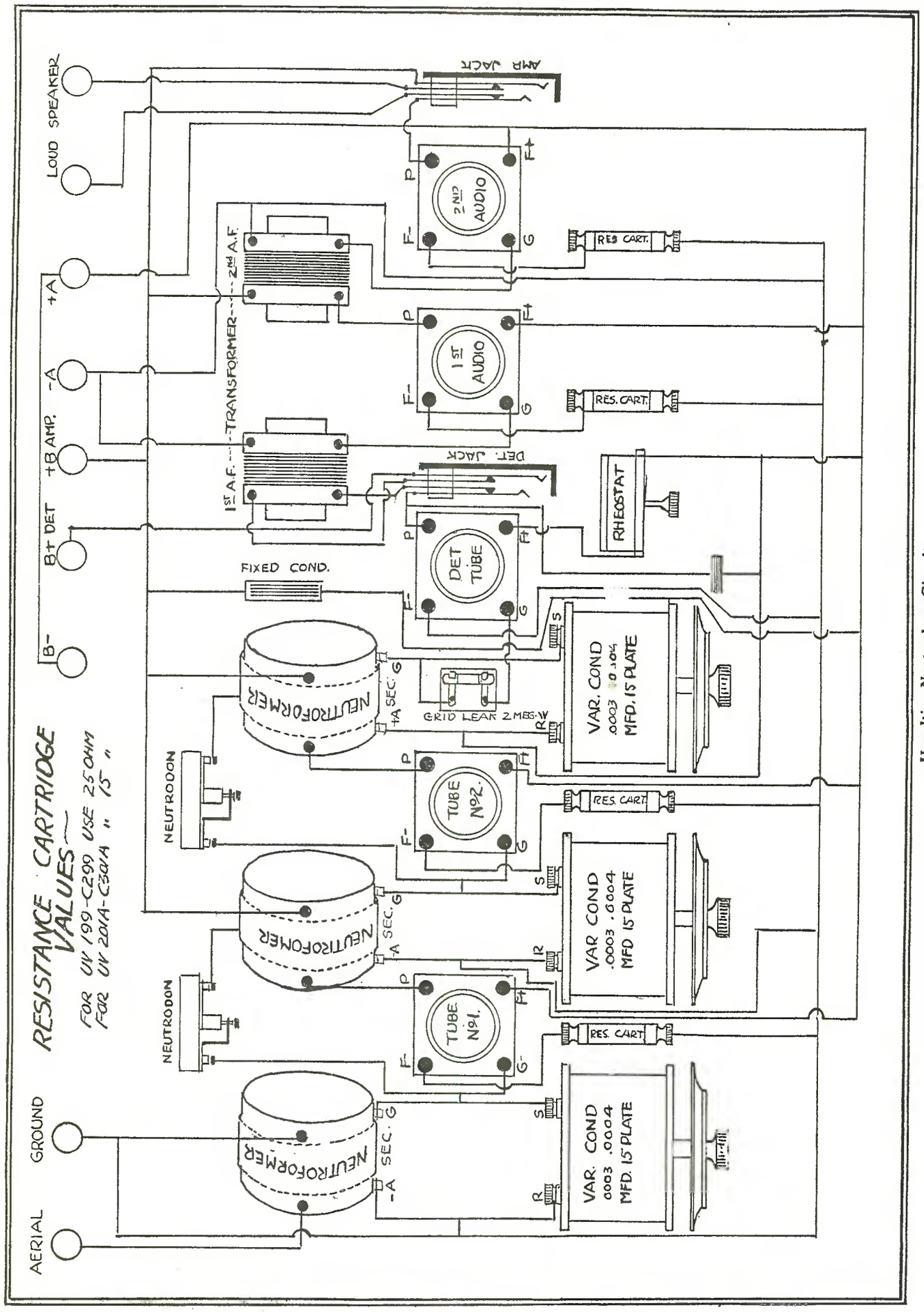
SCHEMATIC DIAGRAM—(Continued)



Hazeltine Neutrodyne Circuit

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WORKRITE

FIVE TUBE
NEUTRO-GRAND SENIOR

(Licensed under Hazeltine Patent No. 1450080)

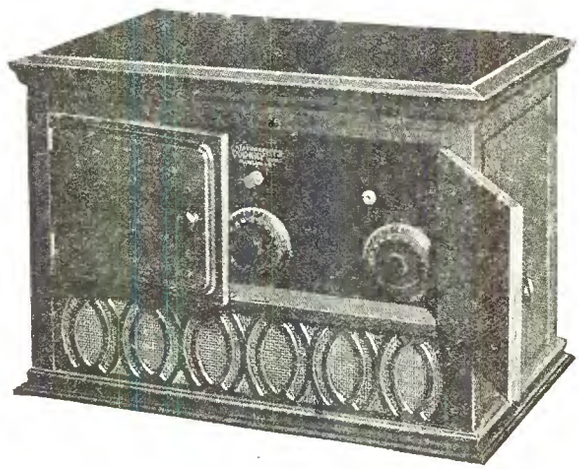
COAST TO COAST ON A LOUD SPEAKER

A five-tube Neutrodyne Receiving Set with built-in Loud Speaker, beautiful mahogany cabinet, paneled doors in front of instrument board, simple to operate, and sure in results;—that is the Work-Rite Neutro-Grand Senior.

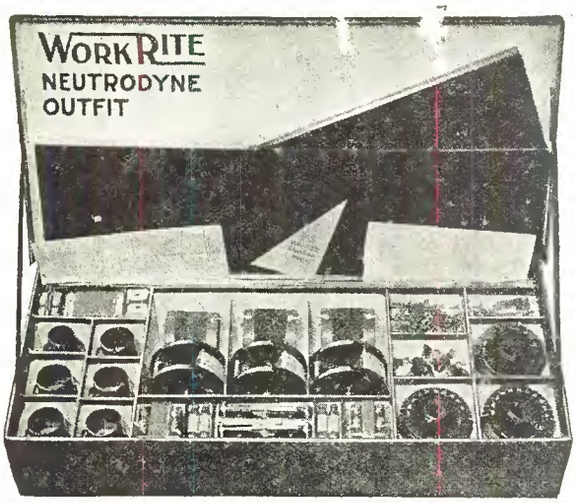
Tunes out your local station and brings in the station you want.

The Ultimate set for Radio Enjoyment.

Price $200.00
Neutro-Grand Junior 140.00



WORKRITE NEUTRODYNE OUTFIT



BUILD YOUR OWN FIVE-TUBE NEUTRODYNE SET with these reliable WorkRite Parts. No shopping around, get all your parts in this outfit. Drilled panel, baseboard, mounting angle and COMPLETE INSTRUCTIONS. Packed in a neat box.

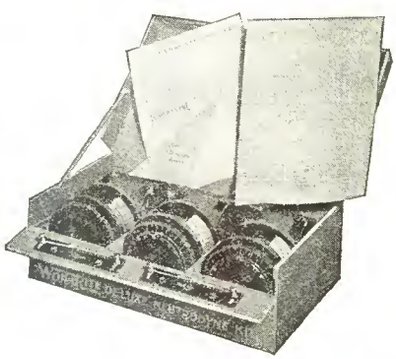
Price $70.00
In mahogany cabinet..... 80.00

WORKRITE NEUTRODYNE KIT

DELUXE MODEL

CONTAINS

- 3 WorkRite Neutroformers
- 2 WorkRite Neutrodons
- 3 WorkRite E-Z-Tune Dials
- Panel Layout (Full Size)
- Mounting Angle
- Complete Instructions.



Price $25.00

OTHER WORKRITE PRODUCTS

WorkRite Super Variometer	$3.50
WorkRite Super 180° Variocoupler	3.50
WorkRite No. 199 Socket	.75
WorkRite No. 200 Socket	.90
WorkRite Hydrometer	.75
WorkRite Super Vernier Rheostat	1.00
WorkRite E-Z-Tune Dial	.75
WorkRite Resistance Cartridge	.40

"WORKRITE RADIO PARTS WORKRITE"

Send for complete catalog, specifying whether you are interested in complete sets or parts only.

THE WORKRITE MANUFACTURING CO.

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(Branch Office, 536 Lake Shore Drive, Chicago)

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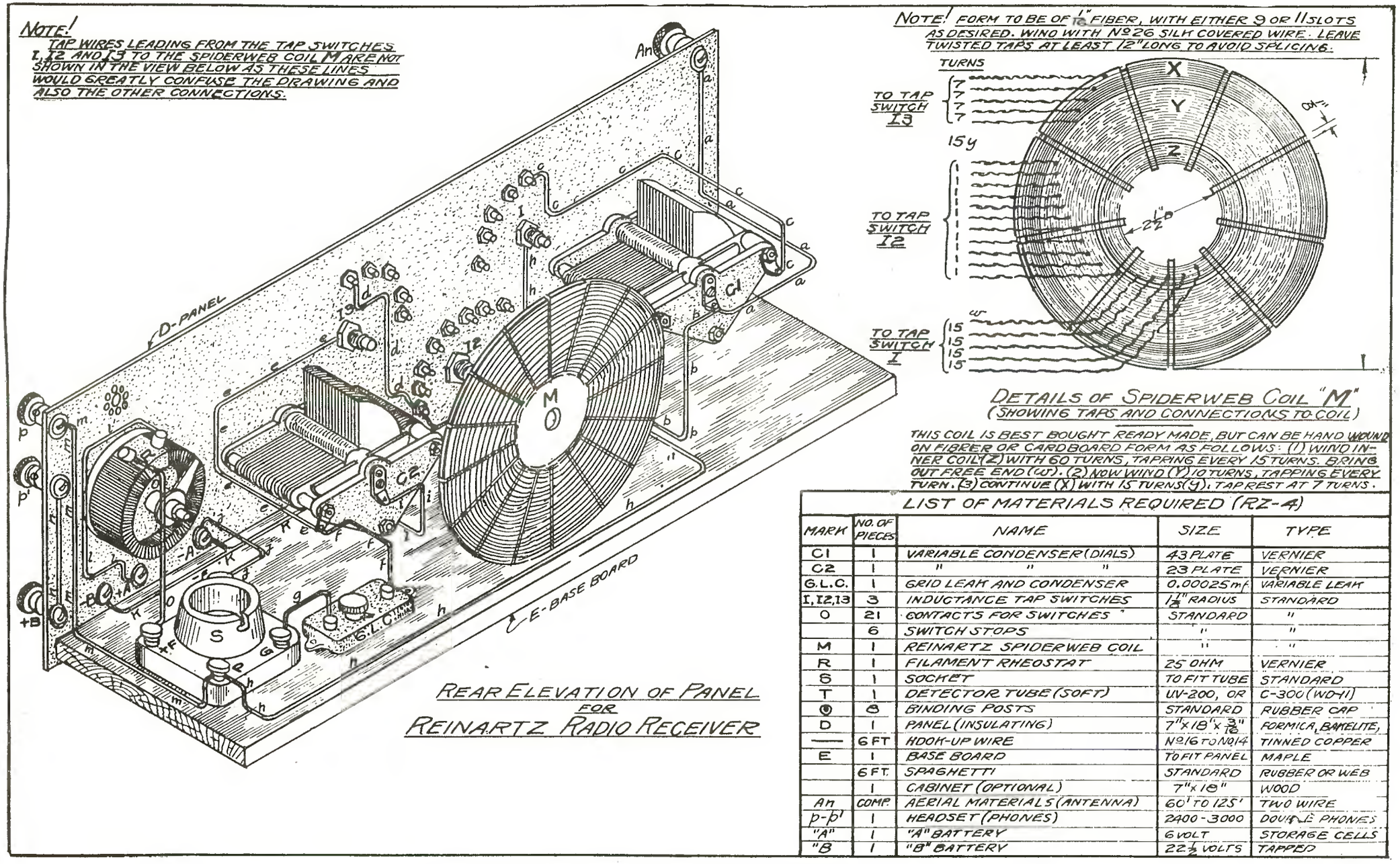
THE REINARTZ TUNER



LIST OF MATERIALS REQUIRED (RZ-4)

MARK	NO. OF PIECES	NAME	SIZE	TYPE
C1	1	VARIABLE CONDENSER (DIALS)	43 PLATE	VERNIER
C2	1	" " "	23 PLATE	VERNIER
G.L.C.	1	GRID LEAK AND CONDENSER	0.00025 mf	VARIABLE LEAK
I, I2, I3	3	INDUCTANCE TAP SWITCHES	1 1/2" RADIUS	STANDARD
O	21	CONTACTS FOR SWITCHES	STANDARD	"
	6	SWITCH STOPS	"	"
M	1	REINARTZ SPIDERWEB COIL	"	"
R	1	FILAMENT RHEOSTAT	25 OHM	VERNIER
S	1	SOCKET	TO FIT TUBE	STANDARD
T	1	DETECTOR TUBE (SOFT)	UV-200, OR	C-300 (WD-11)
⊙	8	BINDING POSTS	STANDARD	RUBBER CAP
D	1	PANEL (INSULATING)	7"×18"×3/16"	FORMICA, BAKELITE,
——	6 FT	HOOK-UP WIRE	Nº16 TO Nº14	TINNED COPPER
E	1	BASE BOARD	TO FIT PANEL	MAPLE
	6 FT.	SPAGHETTI	STANDARD	RUBBER OR WEB
	1	CABINET (OPTIONAL)	7"×18"	WOOD
An	COMP.	AERIAL MATERIALS (ANTENNA)	60' TO 125'	TWO WIRE
p-p'	1	HEADSET (PHONES)	2400-3000	DOUBLE PHONES
"A"	1	"A" BATTERY	6 VOLT	STORAGE CELLS
"B"	1	"B" BATTERY	22 1/2 VOLTS	TAPPED

Drawing Courtesy Telephone Maintenance Co., Chicago, Ill.

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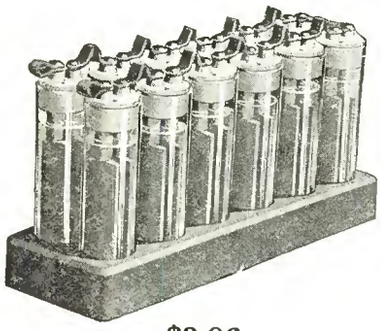
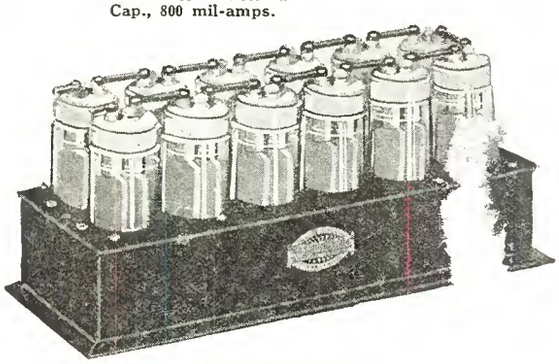


$3.96
Rabat Junior 24-Volt "B"
Cap., 800 mil-amps.

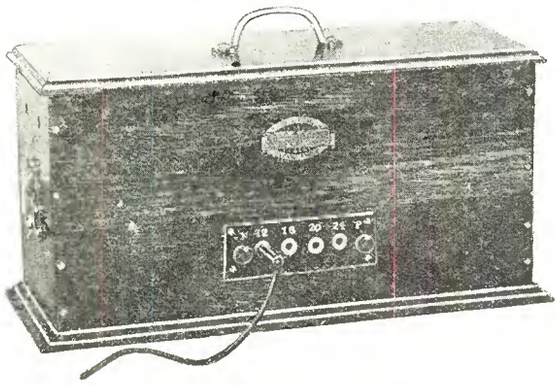
Announcing

a complete battery line with the

RABAT Junior at $3.96



Rabat Senior "B"
24 volt, $9.60 48 volt, $17.8
Cap., 2800 mil-amps.



Rabat Aristocrat 24-volt "B"
with cover $14.25 Same without cover $11.85

2-volt "A" for W.D. 11 tube
$6.00
Cap., 200 hours continuous

4-volt "A" for U.V. 199 tube
$8.30
Cap., 96 hours continuous

BUYING batteries is in a good many ways like buying a cabinet or a rheostat or a tube—you can get a good product at a moderate cost if you know where to buy.

In judging any battery, SERVICE is the prime consideration. How dependable is it and how much can you get out of it?

The Ohio RABAT battery line has proved itself. When you think of RABAT you know that longer life is assured, that it is more economical and that the battery is free from internal discharge. You know too, that it is noiseless, that there is a model exactly suited to your needs and that all are easily recharged at home. The recommendation of RABAT users is our greatest endorsement to you.

Write for booklet illustrating all RABAT products.

Prices F. O. B. Cleveland, Ohio.

"B" batteries shipped dry by express or parcel post. If your dealer cannot supply you send direct.

THE RADIO RABAT CO.

314 Bangor Bldg. Cleveland, Ohio

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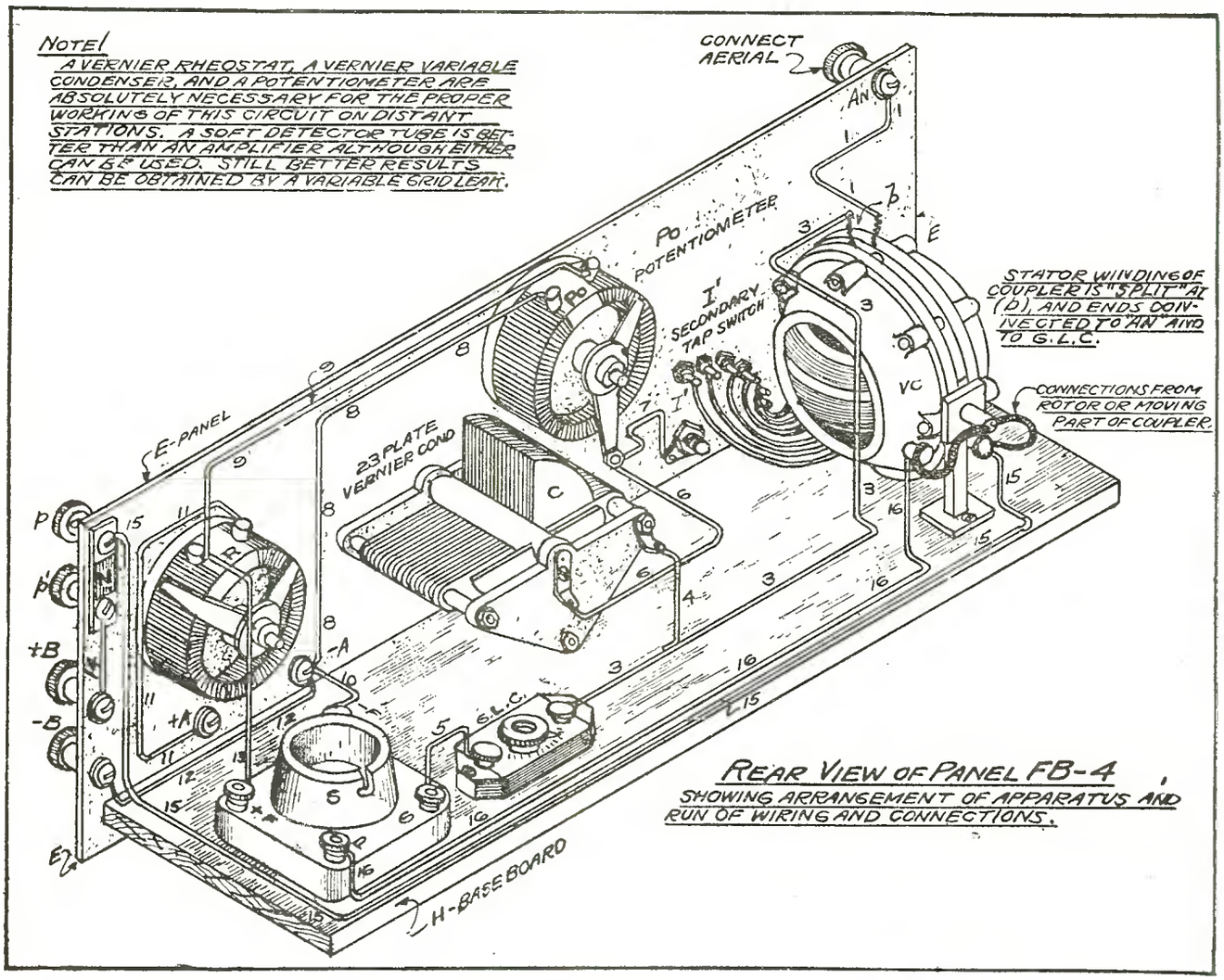
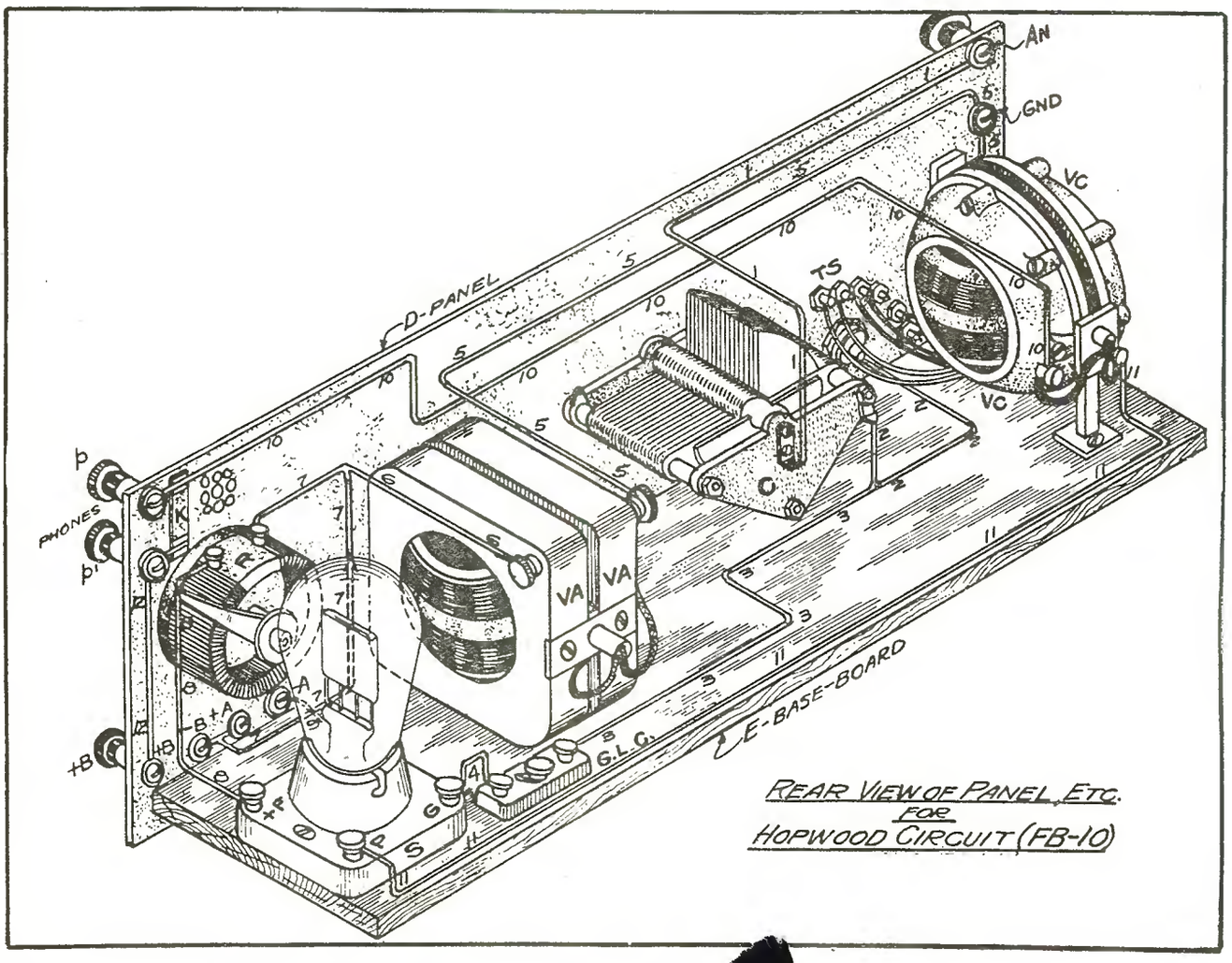
SCHEMATIC DIAGRAMS (Con't)





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Music at its Best!

FULL, clear, rich, beautiful—MUSIC MASTER brings into your home the majestic tones of the pipe organ, the incomparable master instrument of the musical world.

MUSIC MASTER gives you the truth of each soft strain, every arpeggio, the inspiring, kingly chords and the rich, rolling bass tones.

Why not let everyone hear the organ? Flood the whole room with its majestic music—simply by connecting MUSIC MASTER to your radio set?

MUSIC MASTER is equipped with a wood amplifying bell; and wood, properly shaped as a horn —furnished only with MUSIC MASTER—is the one material that makes possible the perfect reproduction of the actual, living tones themselves.

Dealers Everywhere

14-inch horn, for the Home.....$30

21-inch horn, for Concerts.....$35

Comes complete, ready to attach in place of headphones. No batteries required for its operation. No adjustments.

MUSIC MASTER CORPORATION

FORMERLY GENERAL RADIO CORPORATION

Makers and Distributors of High Grade Radio Apparatus

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S. W. cor 10th and Cherry Streets

Music Master

RADIO REPRODUCER

Tell 'Em You Saw It in the Citizens Radio Call Book

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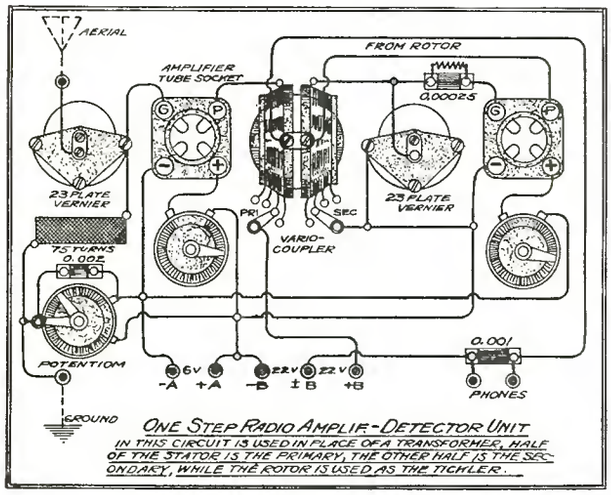
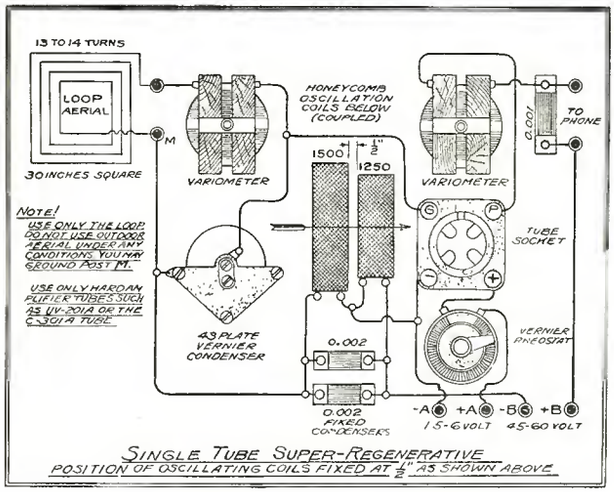
SCHEMATIC-DIAGRAMS



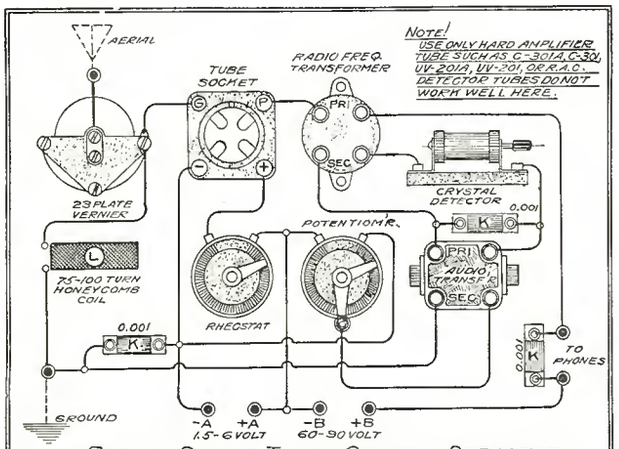
ONE STEP RADIO AMPLIF-DETECTOR UNIT

IN THIS CIRCUIT IS USED IN PLACE OF A TRANSFORMER, HALF OF THE STATOR IS THE PRIMARY, THE OTHER HALF IS THE SECONDARY, WHILE THE ROTOR IS USED AS THE TICKLER.



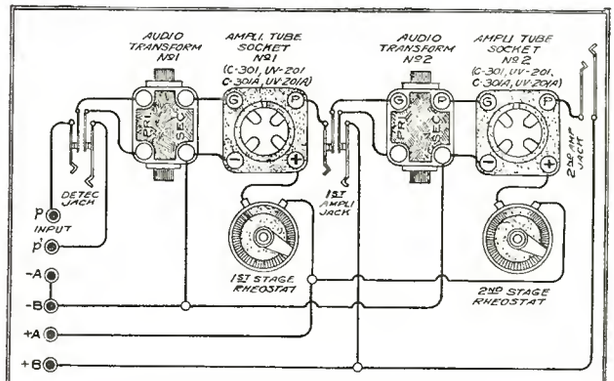
SINGLE TUBE SUPER-REGENERATIVE

POSITION OF OSCILLATING COILS FIXED AT 1/2" AS SHOWN ABOVE



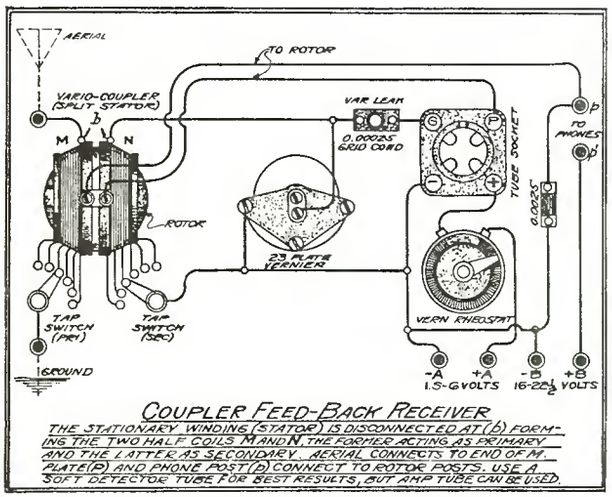
REFLEX SINGLE TUBE - CRYSTAL DETECTOR

THE NUMBER OF TURNS ON COIL L AND THE SIZE OF CONDENSER K DEPENDS ON LOCAL CONDITIONS. CONDENSERS (K) ARE OF THE MICA TYPE. FOR GREATER SELECTIVITY A VARIO-COUPLER CAN BE USED INSTEAD OF L.



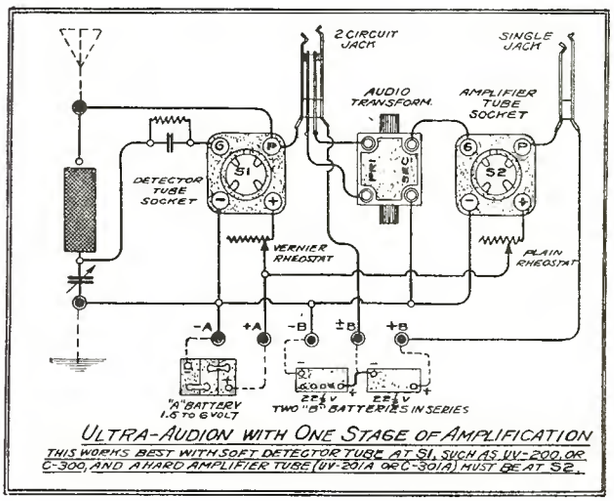
TWO STAGES AUDIO AMPLIFICATION

POSTS P-P' CONNECT WITH THE PHONE POSTS OF THE TUNER-DETECTOR UNIT OR WITH THE PLATE (P) OF THE DETECTOR TUBE AND THE (+B) POST OF DETECTOR BATTERY AS SHOWN IN SINGLE STAGE DIAGRAM. ONLY HARD AMPLIFIER TUBES ARE SUITABLE SUCH AS UV-201, C-301, UV-201A, C-301A, ETC. A HIGH RATIO TRANSFORMER NO1, AND LOW RATIO NO2 ARE DESIRABLE.



COUPLER FEED-BACK RECEIVER

THE STATIONARY WINDING (STATOR) IS DISCONNECTED AT (b) FORMING THE TWO HALF COILS M AND N, THE FORMER ACTING AS PRIMARY AND THE LATTER AS SECONDARY. AERIAL CONNECTS TO END OF M. PLATE (P) AND PHONE POST (P) CONNECT TO ROTOR POSTS. USE A SOFT DETECTOR TUBE FOR BEST RESULTS, BUT AMP TUBE CAN BE USED.



ULTRA-AUDION WITH ONE STAGE OF AMPLIFICATION

THIS WORKS BEST WITH SOFT DETECTOR TUBE AT S1, SUCH AS UV-200, OR C-300, AND A HARD AMPLIFIER TUBE (UV-201A OR C-301A) MUST BE AT S2.

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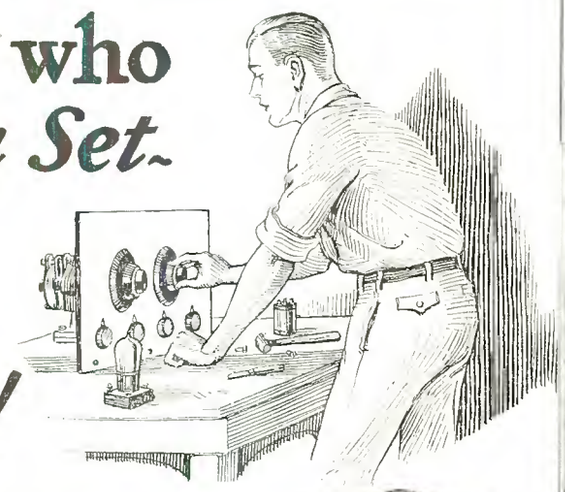
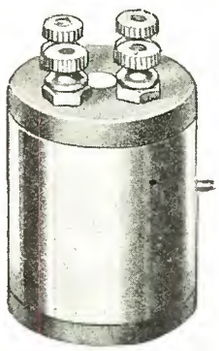
~for the fellow who builds *his own Set*~



UNITED

RADIO PARTS *spell success!*



"United" Radio Frequency Transformer $2.50

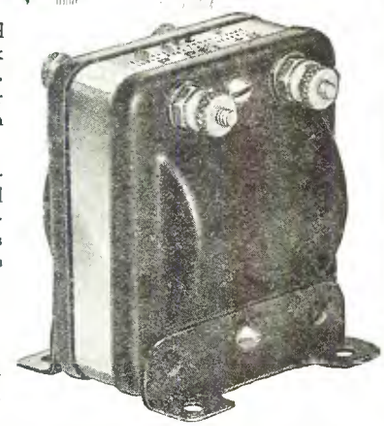
When the United Radio Engineers designed the United Radio Frequency Unit they took a big step forward in the Radio Industry. United Radio Parts have long been noted for their originality of design and their high standard of quality and workmanship.

The Radio Frequency unit consists of a standard vacuum tube, a standard tube locked in the base of which is mounted a radio frequency amplifying transformer. It reduces capacity effect to the minimum—short leads so desirable are thus obtainable.

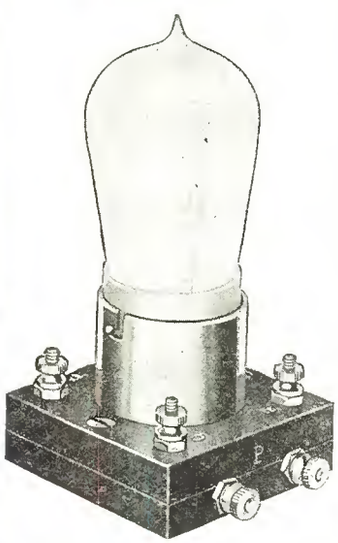
United Radio Frequency Transformers

The distributed capacity has been minimized. It has an air core and impregnated windings. Can be used efficiently on wave lengths from 200 to 600 meters.

For table panel or socket mounting. The case is of highly polished nickel having black hard rubber ends.



"United" Audio Frequency Transformer $4.50
A-1 Ratio 1:5 A-2 Ratio 1:3½



"United" Radio Frequency Unit Combination Standard Socket and Transformer $3.50

United Audio Frequency Transformers

United Transformers recently came out first in tests conducted by the University of California and are standard equipment on many of the best known radio sets in the world. Audio frequency transformers come in two ratios: type A-1, 5 to 1; type A-2, 3.5 to 1. With correctly designed transformers like "UNITED," always use the same ratio throughout all stages. There are no exceptions to this rule.

United Condensers—Vernier and Plain

The careful design and the fine precision workmanship embodied in United Condensers have made them the most widely known and best liked condensers on the market. Their unequalled performance has made them the standard condensers for all circuits. Illustrated Catalogue of complete line of United Radio Products sent on request.

"United" Variable Condenser $2.25 to $6.50

United Mfg. & Dist. Co.

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New York Office: 145 W. 45th St., New York City
San Francisco Office: 709 Mission St., San Francisco, Calif.

UNITED

If you insist upon "United" Radio Parts we will gladly share the responsibility of your investment

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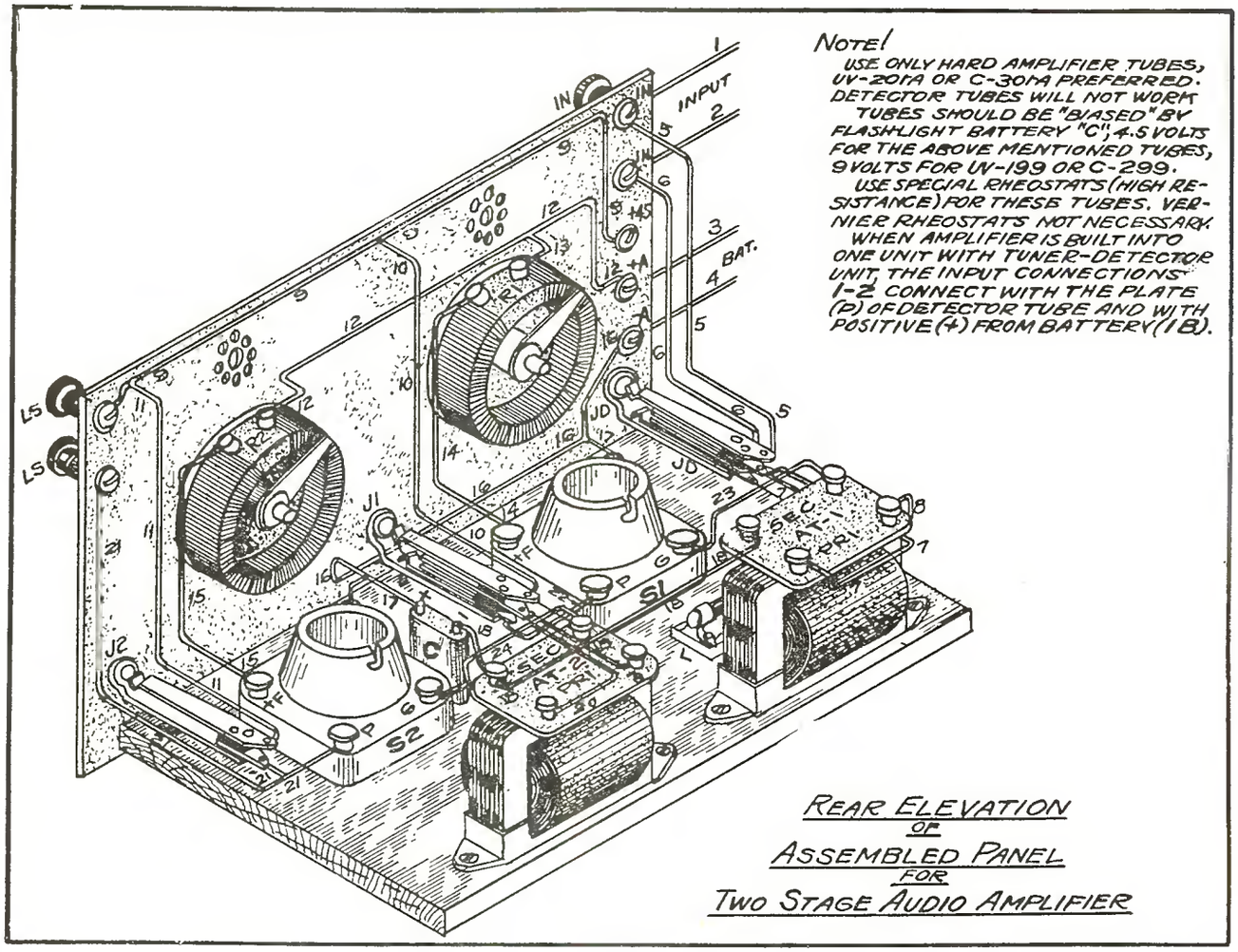
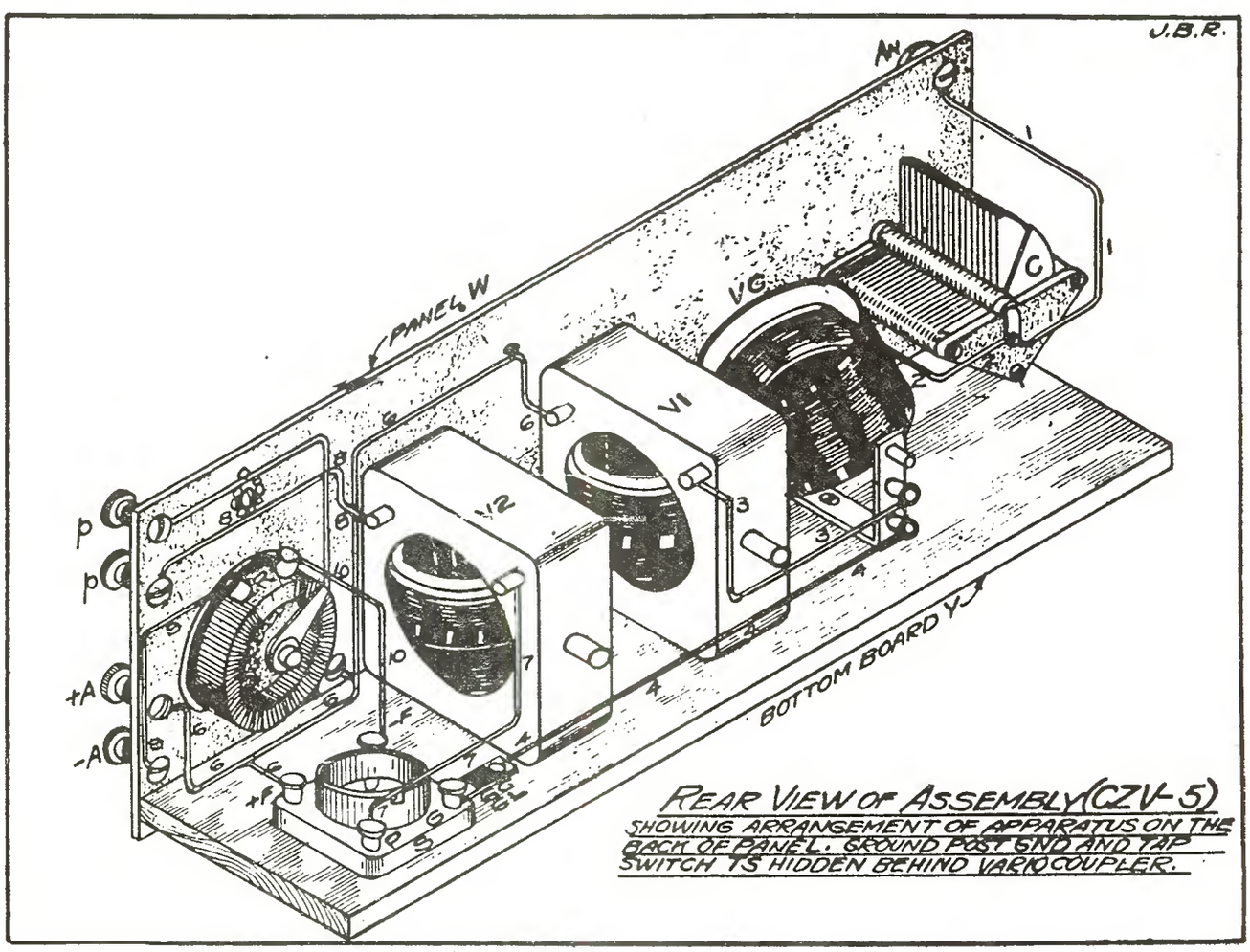
SCHEMATIC DIAGRAMS (Con't)



REAR ELEVATION OF ASSEMBLED PANEL FOR TWO STAGE AUDIO AMPLIFIER



REAR VIEW OF ASSEMBLY (CZV-5)
SHOWING ARRANGEMENT OF APPARATUS ON THE BACK OF PANEL. GROUND POST GND AND TAP SWITCH TS HIDDEN BEHIND VARIOCOUPLER.

Drawings Courtesy Telephone Maintenance Co., Chicago, Ill.

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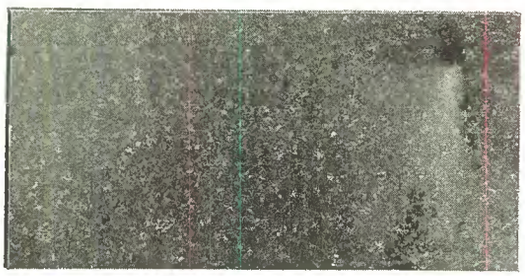
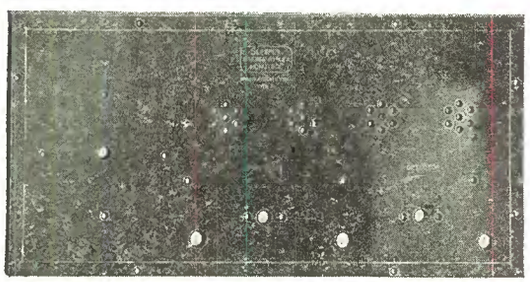
BAKELITE

TRADE MARK REG. U. S. PAT. OFF.

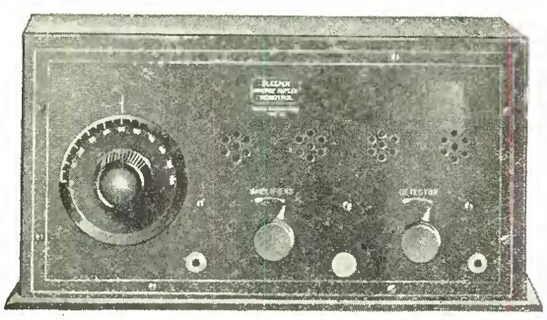
Radio's Premier Insulation



Plain Bakelite Radio Panel.



Bakelite Radio Panel, drilled and etched.



Bakelite Radio Panel assembled in set.

BAKELITE possesses a combination of properties not found in other materials, which makes it peculiarly suitable for Radio. Its excellent electric properties provide complete insulation that remains unimpaired under all atmospheric conditions.

Because of its high temperature resistance and non-absorbent properties, Bakelite performs equally well in all climates.

Its great mechanical strength, permanent beauty of finish and color enhances the value of any Radio Equipment in which it is used.

Because of these desirable qualities practically all of the leading Radio manufacturers have adopted Bakelite as standard insulation for the manufacture of parts and complete units.

SEND FOR OUR RADIO MAP

Enclose 10c to cover mailing cost and we will send you a large Radio Map which lists the call letters, wave length and location of every broadcasting station in the world. Address Map Dept.

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Chicago Office: 636 West 22d Street

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REDMANOL
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BAKELITE CORPORATION

THE MATERIAL OF A THOUSAND USES

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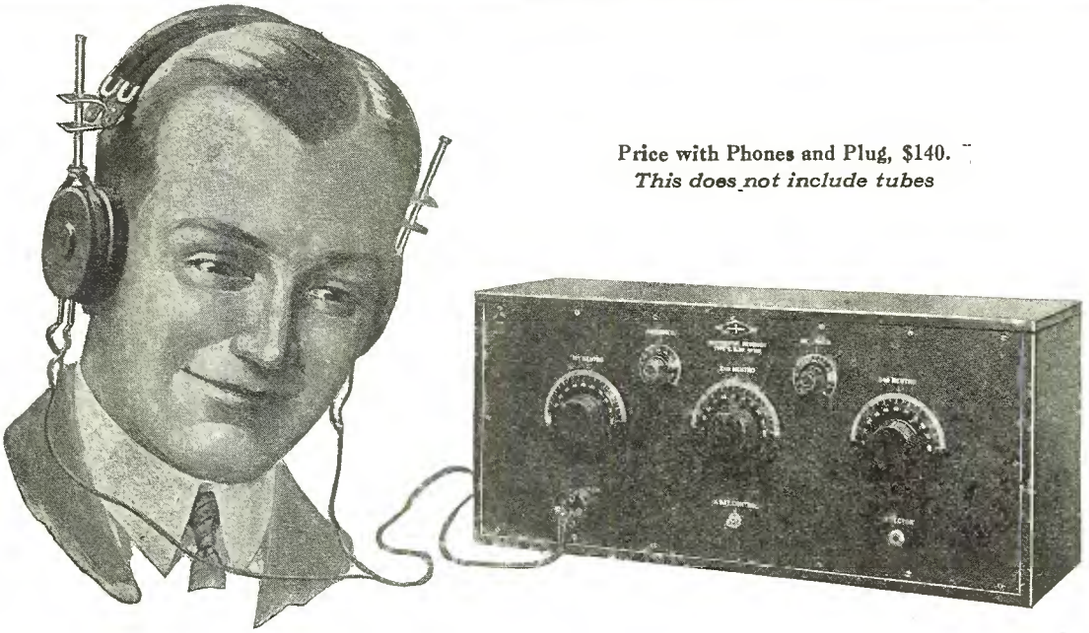

Price with Phones and Plug, $140.
This does not include tubes

Announcing

The MURDOCK Five Tube Neutrodyne Receiver!

THE Murdock Five Tube Neutrodyne Receiver is the product of one of the oldest radio manufacturers—who has been making radio equipment of the highest efficiency since 1904.

This new product is the result of extensive experiments to build a receiver that will meet every requirement of the average home. It embodies the newest features, the finest and most durable workmanship. It combines simplicity of operation with superior selectivity and sensitiveness. Local stations can be tuned out easily—and distant stations tuned in with remarkable clearness and volume. All but the most distant stations can be heard on a loud speaker.

It is not a radiating receiver

THE efficient circuit and accurate assembly of units assure undistorted reception—free from the squeals and noises common to radiating sets.

In appearance the Murdock Neutrodyne is acceptable to the most exacting environment. The rich solid mahogany cabinet and black bakelite panel make it a pleasing addition to any room in the house. There are no binding posts on the front of the panel—all connecting leads being provided and arranged from the back of the cabinet. They are plainly marked.

The Murdock Neutrodyne is primarily designed for Model U.V. 201-A tubes, or tubes of similar capacity between plate and grid.

If you want a receiver that will give you the best results—go to your dealer and let him demonstrate the Murdock Neutrodyne for you. He will arrange for complete installation. The Murdock symbol is your guarantee of complete satisfaction.

WM. J. MURDOCK COMPANY
General Offices and Factory: 352 Washington Ave., Chelsea, Mass.
Sales Offices: Chicago and San Francisco

MURDOCK RADIO PRODUCTS

Standard since 1904

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Constructing a 5-Tube Neutrodyne Radio Receiver

Complete Construction, Assembly, Wiring, Balancing-Out and Tuning Information for the Home Building of a Modern and Efficient Five-Tube Neutrodyne Circuit Radio Receiver

By KIMBALL HOUSTON STARK

Breathes there a man with soul so dead that he has not enthusiastically told his neighbors with ready speech and beaming eye of his marvelous DX records the night before?

A rather funny statement was made to me the other day. The thought was presented that radio is certainly making us a nation of liars. A couple of rabid radio hounds meet at any radio store and immediately begin the discussion, infinite in detail and yet always ending with that universal topic of, "How far did you get last night?" One man hears signals 1,500 miles on a two-tube super; another chap gets Los Angeles on a one-tube set; somebody else happens to think of the old days when someone told him about hearing a commercial ship station three thousand miles west of San Francisco, from New York City, using a crystal detector—and so it goes.

It seems to me the craze for distance will never die out. I don't want it to. Of all the romance, mystery and myths that we encounter in this life and that we are told about, where can we get romance that will compare with listening-in to concerts and music and speeches from stations hundreds of miles away, from invisible cities, as it were, from an empire not of radio receivers, or equipment, not of listeners or radio fans or experimenters, but a vast empire of pleasure and entertainment, of music and of all the good things that this world has in store for us.

There are thousands and thousands of radio fans that struggle along with their one-tube sets, or their two-tube sets, who are just wishing night and day they could add a fourth tube or a fifth tube in order to hear that station a few hundred miles beyond the limit of their receivers today. Some of these radio fans can afford to buy complete receivers, but the majority must build, or would rather build, their own.

In past years, before radio came into people's homes, a man would build a mission table, a sled for the kiddies, or possibly a model engine; and, after planning for days, what a thrill he would get when the thing was actually finished and made to "work" or serve some useful purpose! Where in the world is there anything that can compare in giving to such people more thrills and pleasures, with the everyday use of a radio receiver, built by their own hands that works?

To give radio experimenters dependable, authorized constructional information concerning the neutrodyne circuit receiver is the purpose of this article.

In March of 1923, Professor L. A. Hazeltine revealed his developed work and introduced the neutrodyne-circuit radio receiver. About July of 1923, a limited number of companies licensed under Professor Hazeltine's

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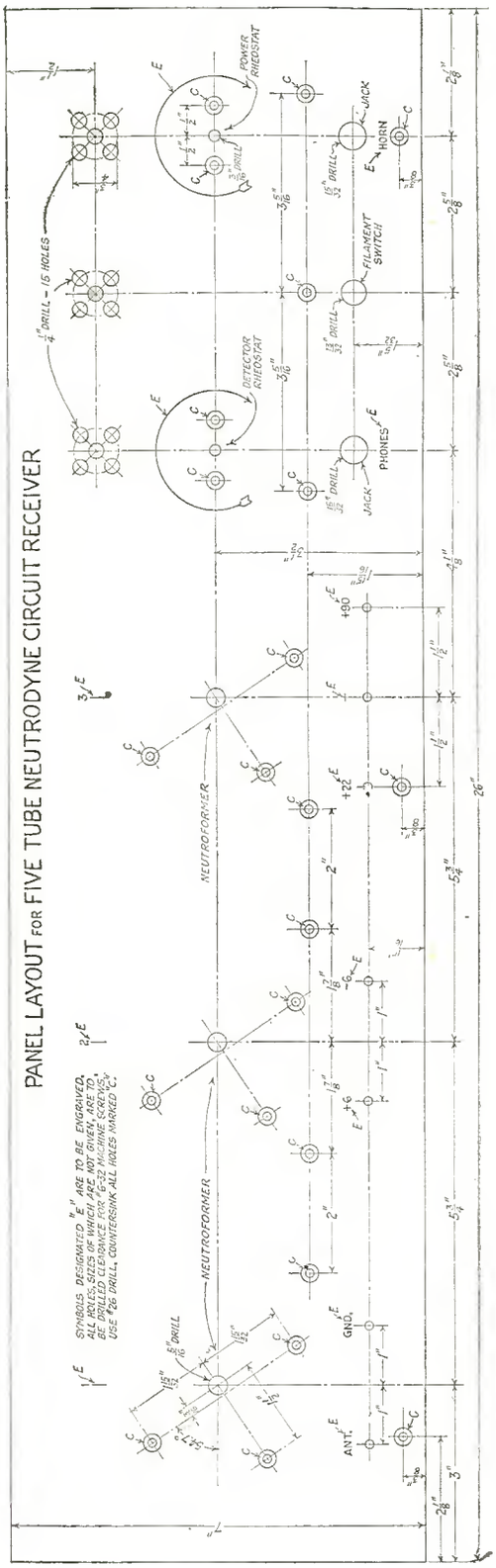

Fig. 1.

patents were building completed receivers, utilizing the neutrodyne principle and in addition were supplying complete sets of parts suitable for neutrodyne receiver construction.

Being in intimate touch with many people who have built neutrodyne-circuit receivers using such parts, I can assure you that to build such a receiver calls for reasonable care in construction in order to obtain maximum broadcast signal reception, but for thousands who would be painstaking, the results in the end certainly justify the expense and the pains necessary.

List of Materials Necessary to Construct a Five Tube Neutrodyne Circuit Receiver

The five-tube neutrodyne-circuit receiver to be described gives two stages of tuned radio-frequency amplification, a vacuum-tube detector and two stages of audio-frequency amplification. Such a receiver will cost approximately $65.00 for parts, and if one purchases all the additional equipment, the total cost will be approximately $150.00, including the five vacuum tubes, storage battery, B battery, phones and antenna material.

The following list of materials for receiver construction must be acquired:

		APPROXIMATE PRICES
1	Panel, bakelite, 26″ x 7″ x 3/16″, drilled, machined and engraved	$ 8.00
1	Base board, oak, 26″ x 6″ x ¾″	1.00
1	Triple socket	2.70
2	Single sockets	2.00
3	Neutroformers (tuned secondary R. F. transformers)	22.50
2	Neutrodons (neutralizing condensers)	2.50
2	Audio transformers	12.00
1	A battery switch	.75
3	Dials (verniers are unnecessary)	3.60
1	Power rheostat (2 ohms)	1.20
1	Detector tube rheostat (6 ohms)	1.25
7	Binding posts	.84
1	Radio jack, closed circuit	.75
1	Radio jack, three spring automatic	1.00
27ft.	Insulated tubing	2.26
27ft.	Wire No. 14, tinned copper	.25
2	Condensers, .006 mfd.	1.50
1	Grid Leak, 2 megohms	.75
1	Grid leak condenser, .00025 mfd.	.65
	Screws, nuts, terminals, etc.	
	Total	$65.60

Great care should be taken in purchasing these parts and one should obtain only the special neutrodyne parts made by authorized licensees under Professor Hazeltine's patents.

Drilling Your Panel

For the panel, either bakelite, formica, condensite or radion may be used. A detailed panel drilling layout is shown in Fig. 1, all dimensions being given.

If you do not purchase the complete set of parts but only the necessary special neutrodyne parts, you will need to lay out your own panel for drilling. In doing this it will be found convenient to use dividers and a combination square in order to get all dimensions, etc., accurately. It is suggested that you purchase the complete set of parts, which includes the panel with all holes drilled and the proper engraving done. By using such a finished panel in constructing your receiver it presents a mighty good appearance when finished. However, if you do drill your own panel, very great care must be taken in laying out the position of the Neutroformer mounting holes as the relationship of the Neutroformers to one another is very great.

As shown on the drawing Fig. 1, the Neutroformers are mounted at an angle of 54.7° from the horizontal and should this vary even one or two degrees, trouble will be experienced in properly balancing out the receiver. On the diagram, the marking is also shown for the binding posts and telephone jacks. All holes not marked with special dimensions are to be drilled clearance for 6-32 machine screws. This requires the use of a No. 26 drill.

Assembling the Parts on the Panel

With our panel drilled and engraved, the next step is to assemble the various units on the panel. The rear view of the completed five-tube neutrodyne receiver is shown in Fig. 2, and from this picture one can get an

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idea of the general arrangement of the parts on the panel.

It will be noted that two of the sockets are placed between the Neutroformers, and that the triple-tube socket is placed on the left-hand end of the panel looking from the back. The rheostat at the extreme left end is a power rheostat controlling the filament current of the amplifier tubes and the rheostat closest to the left-hand Neutroformer controls the filament current of the detector tube. In the hole on the panel drilling layout marked "phones" is mounted a two spring closed-circuit telephone jack. This is directly under the knob of the vernier rheostat. In the other or "horn" jack is mounted a three-spring automatic filament-control jack. The filament switch, binding posts and sockets are easily assembled in their proper position. The Neutroformers should be very securely screwed to the panel in their proper position as the operation of the set would be affected if they were even slightly moved out of position during assembly and wiring.

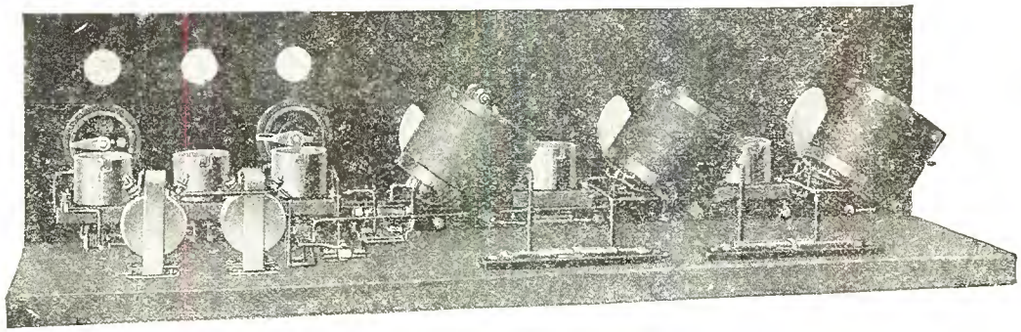

Fig. 2.

Wiring Up the Five-Tube Neutrodyne Set

The wiring of a receiver is usually the stumbling block for most of the experimenters. I have seen some of the most horrible looking jobs on neutrodyne receivers, yet when the job was properly balanced out, it worked O. K. This should not be taken as a criterion, however, and the experimenter is advised to take particular pains in wiring up his set.

Study the wiring diagram in Fig. 3 very carefully. Note in particular the polarity of the Neutroformer windings, audio-frequency transformers, and especially the connections of the Neutrodons and telephone jacks. All high-potential plate and grid leads should be kept as widely separated as possible and all wiring separated at least one-half inch with as few leads running parallel to one another as possible.

In assembling the receiver, it is usually best to fasten the base board to the panel, and to fasten the audio-frequency transformers and Neutrodons to the base board. Before wiring up the receiver, however, one should unfasten the baseboard from the panel, as this makes it much easier to wire all the parts mounted on the panel. Then fasten the base board with its Neutrodons and audio-frequency transformers again into place to complete the wiring of these units.

It is usually best to begin wiring by connecting all the negative vacuum-tube socket terminals and then extending this same wire to the ground binding post. In like manner, the positive filament connections can be made and

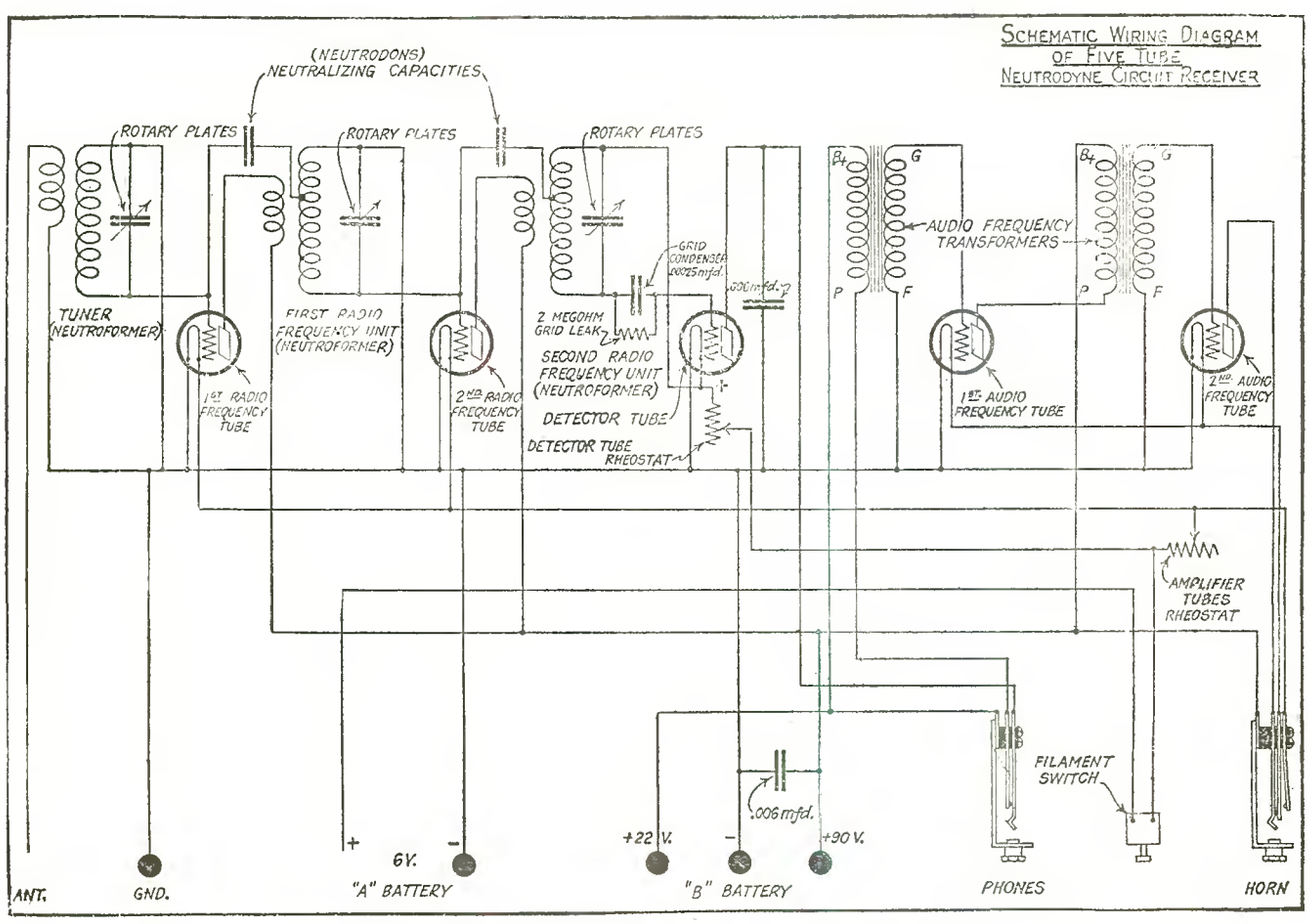

Figure 3. Wiring diagram of Five Tube Neutrodyne Receiver

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the wiring of the detector tube rheostat, power rheostat, battery switch and battery binding posts completed.

Connections to the Neutroformers come next. It will be noted that all the Neutroformer secondary windings have a small loop or tap. On the wiring diagram no connection is made to the tap of the first or left hand Neutroformer looking from the panel front. A lead is connected, however, from the tap of the second and third Neutroformers going directly to one terminal respectively of the second and third Neutrodon condensers.

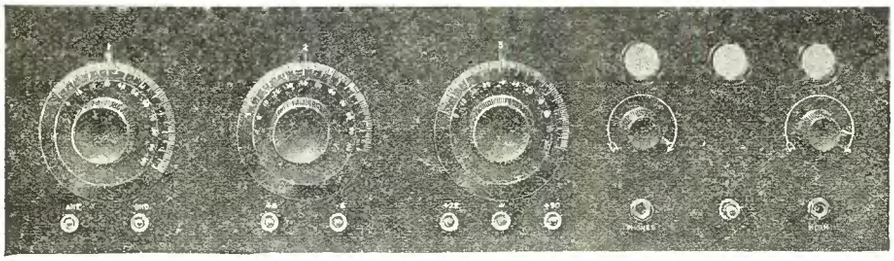

Fig. 4.

The fixed condensers with capacities as shown on the wiring diagram are wired into position and need not be fastened either to the panel or base board, as the stiff No. 14 copper wire will hold them in position. After you have completed wiring up your receiver or preferably step by step as you fasten each wire in position check off with a heavy pencil on the wiring diagram the connection that you have just made. When the wiring is completed, all wires will have been checked and in addition by doing the job this way, you are doubly checking yourself for mistakes.

On the wiring diagram, no wire is shown jumping another one with a loop symbol. The plan shows each wire passing across the others and only connecting to cross wires when represented by a solid black dot. Check this carefully with your own wiring.

In the next article of this series, detailed instructions will be given for balancing out the inherent capacity of the vacuum tubes as well as the stray-circuit capacities, thereby eliminating parasitic and distorting oscillations and regeneration.

The need for Balancing-out or Neutralizing the Circuit

Many people who have constructed neutrodyne receivers have possibly found the adjusting or "balancing out" of the set before it is ready for use, a difficult task. In most cases, it has been difficult, not because the process itself is complicated but because of a misunderstanding of the results to be obtained and the methods of obtaining them.

It may be well at this time to consider the function of the neutrodyne circuit in order to understand just what is accomplished when we balance out or adjust it for capacity neutralization.

Professor Hazeltine devised a method of neutralizing both the stray-circuit capacities and the inherent capacity of the vacuum tube, i.e., the capacity existing between the filament or cathode and plate or anode of the tube. It is the presence of these coupling capacities in an ordinary tuned radio-frequency amplifier circuit that causes the circuit to regenerate and oscillate when the tuned amplifier circuits are in resonance, unless some means is provided for controlling the grid potential of the tubes, which usually results in a loss of efficiency.

Such parasitic oscillations make it impossible to secure pure radio-frequency amplification and in addition cause very decided signal and speech distortion. Every listener-in knows the disadvantages of tuning-in to a local concert and hearing all sorts of "birdies."

In Professor Hazeltine's arrangement, however, coupling capacities are made to counteract each other and each individual tube circuit is balanced against another tube circuit so as to reach a condition where no signals can be heard in the phones because passing through coupling capacities existing in the circuit.

In the Neutrodyne circuit, the electromagnetic coupling between the Neutroformers is approximately zero. The effect of this is to make one portion of the circuit capacity balance against another practically equal portion of circuit and tube capacity, so as to eliminate or neutralize the effect of the parasitic feedback capacities of the entire circuit.

How to Neutralize the Circuit

In practice, the balancing-out process consists of exciting the coupled receiver circuits with a comparatively strong signal and then adjusting the special neutralizing capacities or Neutrodons, as they are called, to a point where that signal becomes inaudible. The fact that this adjustment of the neutralizing capacities is made toward a minimum or inaudible signal and can accordingly be made very exact, gives us proof that the method of neutralization is a true process of actual circuit capacity neutralization and not a method of preventing or reducing regeneration. This is even more forcibly brought out when it is realized that the adjustment is made *without lighting the filament of the tube you are adjusting.*

In addition to the battery connection, a special balancing-out circuit must be hooked up. The balancing-out circuit consists of an inductance and a variable condenser excited by a buzzer and coupled to the input or antenna terminal of the completed receiver. It is usually desirable to place this adjusting circuit 10 or 15 feet away from the actual receiver and lead a single wire over

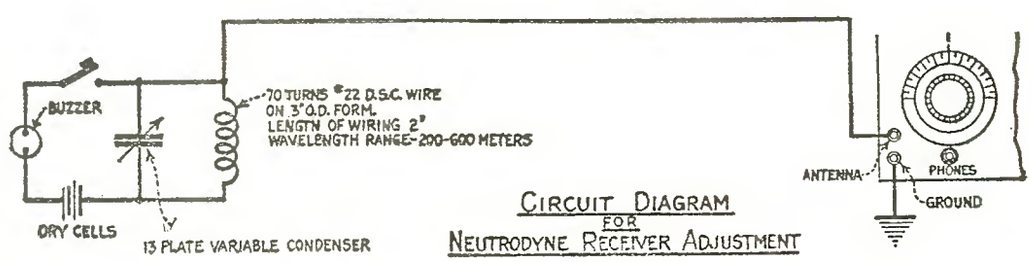

Fig. 5.

to the antenna binding post. To complete the balancing-out circuit arrangement, a wire is connected from the main terminal of the receiver to the ground such as a water pipe, etc. The wiring and circuit constants of such a circuit are shown in Fig. 5.

1. Turn the knobs of both detector and amplifier rheostats as far to the left as possible.

2. Insert two UV-201-A or C-301 vacuum tubes in the radio-frequency amplifier tube sockets (the two single-tube sockets at the left end of the receiver looking from the panel front). In the detector-tube socket (the one directly above the phones jack), insert a UV-200 or C-300 detector tube.

3. Pull out the filament switch between the phones and horn jack, thus closing the filament circuit, and turn the amplifier rheostat (the one at the extreme left of the panel) so that the pointer points directly at the number

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three Neutroformer dial. This is about the correct position of the rheostat for the UV-201 A tubes. Turning this rheostat to this position will light the filament of the first two left-hand tubes. Now turn the knob of the detector rheostat about three-quarters of the way around or approximaely with the pointer at the right and pointing toward the pointer of the amplifier rheostat. It is best to adjust the detector rheostat slightly so that when the phones are plugged into the phone jack, the detector rheostat will be adjusted just below a point where a decided sizzling and frying sound is heard in the phones.

4. With the buzzer of the balancing-out circuit running, rotate all three Neutroformer dials from the front of the panel, about in step with each other, and pick up the buzzer signals with the variable condenser of the adjusting circuit set at approximately 15 or 20 degrees (an approximate wave length of 225 meters). The buzzer signals should be picked up at about the same setting, near 15 or 20 degrees on all three of the dials. When buzzer signals are picked up, all three Neutroformer dials should be adjusted very slowly until buzzer signals come in at their maximum. At this point the dials should have approximately the same settings.

5. Remove the tube from the left-hand tube socket.

6. Readjust the three Neutroformer dials again for maximum signals.

7. Take the UV-201-A tube removed from the left-hand socket and place a small piece of paper over either one of its filament contact pins so that the paper will remain in position when the tube is again inserted in its socket.

8. Place the tube with the insulated contact pin back in its socket. This allows the connection of the plate and grid of this tube to the receiver circuit, but as one of the filament contacts is insulated, the filament of the tube will not light. With the tube in its socket and the filament unlit, signals will still undoubtedly be heard, but with considerably less volume than before. It will be found that by adjusting the brass tube of the first or left-hand Neutrodon lengthwise over the glass insulating tubing, the strength of signals heard with the tube in its socket with the filament circuit inoperative can be varied from loud to a minimum or inaudible signal. The desired adjustment point is the one where the signals are very weak or disappear entirely and no sound is heard in the phones. To prove the minimum signal point, the tube can be lifted out of the socket and immediately signals can come in at their maximum as they did at the end of the adjustment 6 above. Replacing the tube in its socket (with the paper still in place) will cause the signals to disappear or be heard at the minimum signal intensity. The ideal condition for the Neutrodon adjustment is for the signal to disappear entirely when the tube is in its socket (with the paper in place) and at this point the Neutrodon clamp should be tightened down securely. For a more permanent adjustment of the Neutrodon, the clamp, after being tightened down, can be directly soldered to the sliding brass adjustment tube.

This covers the neutralizing adjustment for the first radio-frequency amplifying tube (the one on the extreme left). The same procedure is followed with the second radio-frequency amplifying tube (the second tube from the left looking from the panel front). In this case the first left-hand tube and the detector tube are kept in their sockets and lit, and the second left-hand tube removed and its filament terminals insulated after which the neutralization adjustment covered in paragraphs 7 and 9 should be followed out in detail, adjusting the second Neutrodon from the left and of the base board and securing the adjustment at the given inaudible signal point.

The most important point to follow in this balancing-out process is to adjust all three Neutroformer dials for a maximum signal when either the first or second tube is taken out of its socket and before the neutralization and adjustments are made with the insulated filament contact pin of either the first or second tube in its respective socket.

A further test, to determine that the circuit is properly balanced out, is made with the A batteries still connected and with the antenna and ground connected to their respective binding posts, all tubes being in the receiver without any of the terminals insulated. One can try to receive broadcast signals by adjusting the receiver dials, etc., similar to method of tuning for balancing out signals described above.

By tuning the receiver one should be able to receive broadcasted signals without hearing beat notes, whistling, etc., which are the usual indications of regeneration or oscillation. If, under any circumstances, such whistles are encountered, the entire receiver should be carefully gone over and possibly re-wired and readjusted, as will be described in detail in the third article of this series. If beat notes, etc., are heard, it is proof that the circuit is not functioning according to the neutrodyne principle and most satisfactory results cannot be obtained. The experimenter is cautioned to make sure that his receiver is adjusted properly and that no parasitic disturbances are caused by the improper capacity neutralization in the circuit, otherwise the value of the neutrodyne circuit will not be realized.

Operating the Neutrodyne Five Tube Set

The necessity of such a neutralizing adustment is characteristic only of neutrodyne receivers. Due to the radical difference of the circuit, the method of tuning is also quite different from the tuning of the usual regenerative or non-regenerative receiver. Consequently, instructions must be very explicit.

In this article, we shall accordingly study in detail the method of tuning neutrodyne circuit receivers and in addition, some general information will be given on antennas, vacuum tubes and "trouble-shooting."

Tuning the Receiver

The procedure of tuning your neutrodyne receiver, providing antenna, ground, and all battery connections have been properly made, is as follows:

1. Insert the recommended vacuum tubes (See paragraph on the use of different tubes) in their respective sockets and with the power rheostat at its correct position for the type of tubes you are using, and with the vernier rheostat knob turned to the left as far as possible, and with the plug of the loud speaker inserted in the "horn" jack, pull out the knob of the filament switch on the panel front, causing the three amplifier tube filaments to light.

2. Turn the vernier rheostat knob to the right slowly. When the filament current is turned on, the first indication that the receiver is functioning properly will be indicated by a slight noise in the phones. As the rheostat knob is turned farther to the right, this slight sensitivity indication does not increase in volume until a point near the end of the rheostat adjustment is reached. At this point will begin a comparatively loud "hissing" and "frying" noise. For the best signal reception the rheostat should be turned back slightly to a point just before this "hissing" and "frying" starts.

3. With the detector tube at approximately its right operating point, set "Neutroformer" dials 2 and 3 at the same dial setting. Select any particular dial setting, but take for instance the wavelength of station WEAF, 492 meters. Dial settings for this particular station are about 66 or 67. Setting dials 2 and 3 at this point, rotate dial 1 very slowly over its entire range from 0 to 100. If any broadcasting station is operating at the particular time at 492 meters, it should be heard at a maximum when the setting of dial 1 is approximately in the range of 10 or 15 above or below these settings of dials 2 and 3.

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4. When signals from any particular broadcasting station are coming in, it is advisable to readjust dials, 1, 2 and 3 slightly and possibly also the vernier rheostat, in order to increase the intensity of the signals.

In tuning, the dials should be moved slowly. It may be found that the tuning adjustment will have to be changed slightly when shifting the phone plug or loud speaker plug from one jack to another.

Dials 2 and 3 should be rotated slowly at the same time, and about in step with each other. Then with dials 2 and 3 on the setting for a particular station, dial 1 is rotated until signals come in with maximum strength and clarity. Sharpness of tuning of neutrodyne receivers when using short indoor antennas is much greater than when using outdoor antennas.

In tuning neutrodyne receivers, the broadcasting stations will not be picked up by hearing "beat notes" and the usual regenerative whistling. As the dials are rotated the programs of different stations will be heard, first softly then with greater intensity and clarity as all adjustments are properly made for that particular station.

Using Different Tubes With the Neutrodyne

In the early stages of neutrodyne receiver development, receivers were constructed that allowed the neutralization of a given tube and circuit capacity and which did not operate efficiently when different vacuum tubes having different capacities were used. With the placing on the market of the UV-20-A and the dry-cell tube, this matter of basic design was very carefully studied, and now they, and other tubes, can be used with comparatively good success. It has been found that C-301-A tubes are the best for the radio and audio-frequency amplifier circuits. The C-300 or UV-200 is the best to use as a detector tube. The UV-201-A is very good as an amplifier tube and is a close second to the C-301-A. I have been in intimate touch with many users of neutrodyne receivers and a great many of them have had good success with WD-11, WD-12, VT-1, VT-2, 216-A, and UV-199 tubes. When using any of these various types, it is, of course, necessary to make sure that correct filament voltages as well as filament current is supplied to the tubes.

The volume obtained using UV-199's or other dry-cell tubes is generally less than the volume obtained using UV-201-A or C-301-A tubes, and this in general is true when any of the other different types of dry-cell tubes are used. The volume obtained, however, with dry-cell tubes under conditions permits loud speaker operation on distant stations. It is suggested, however, that with UV-199 tubes as radio-frequency amplifiers, C-301-A or UV-201-A tubes be used for the audio-frequency amplification.

The Most Suitable Antenna

An outdoor antenna 60 to 70 ft. long and 30 ft. to 40 ft. high, is possibly the best for use with a neutrodyne receiver. The multiple-wire antenna is generally no better than the single wire type for receiving.

A great many people desire to use an indoor antenna, either through necessity or to eliminate the trouble and expense of an outdoor installation. With a five-tube neutrodyne receiver, constructed in accordance with these articles, such an arrangement is feasible and in fact very good results can be obtained if one does not insist on getting the distant stations. A stretch of wire 50 or 60 ft. long in an apartment will work nicely, but this same length of wire should not be coiled around the wall in a single room and the same results expected.

There is still loop reception to be considered. Many people are using neutrodyne receivers with loop antennas. There are several methods of connecting a loop to the receiver; connecting one terminal of the loop to the antenna binding post; connecting both terminals to the antenna binding post; thus shortening the loop itself; connecting the loop in series with a variable condenser and then connecting the condenser and loop in series with the antenna and ground binding post; and connecting one terminal to the antenna post and the other to the ground post. This is the arrangement most frequently used. In any of these cases it will usually be best to have the ground binding post to the receiver connected to the ground wire. The five-tube receiver described is not designed primarily for loop reception and an outdoor antenna is strongly advised.

"Trouble Shooting"

There are people who build receivers that have very little technical knowledge, and it is somewhat difficult to describe to them technical processes. Even the simplest thing which the radio amateur or experimenter takes for granted are at first puzzling to the uninitiated, and it is not surprising that many people who have constructed neutrodyne circuit receivers have not been able to obtain complete satisfaction at their first efforts.

A detailed list of "trouble-shooting" instructions that will usually aid the home constructor to put the breath of life into his receiver satisfactorily follows:

Check all connections very carefully with the wiring diagram given in Figure 3. After your own check convinces you that your wiring is correct and absolutely identical with the diagram, it is best to have someone else check it over so that the same mistake will not be repeated.

A point of [illegible]nt importance is that the variable condenser of the [illegible]oformer unit rotary plate terminal be connected directly to the negative terminal of the vacuum-tube socket of the amplifier tubes. It will be noted in the diagram, however, that this wire from the rotary condenser plate terminal of the third from the right hand Neutroformer connects to the +90-volt terminal of the detector tube.

Audio Transformers: Many times, when howling occurs, reversing the connections to the primaries of either one or both of the audio-frequency transformers will remedy the trouble.

Fixed Condensers: In special cases, where trouble with balancing-out is had, it may be advantageous to cut out entirely the fixed condenser (capacity .006 mfd.) which is connected from the detector tube plate terminal to ground of the negative A and B batteries common lead. Eliminating this condenser and re-balancing carefully will many times secure a very good minimum or inaudible signal balance.

Dirty Contacts: Connections which lead from the elements of the vacuum tube to the direct terminals are soldered to the tube contact pins and these soldering connections oxidize and become dirty very quickly. One should see that the bottoms of these tube contact pins are always bright and clean.

Neutroformer Mounting: The neutrodyne circuit requires that all electromagnetic coupling as well as electrostatic coupling be balanced or neutralized. Accordingly, the mounting of the Neutroformer is of great importance, and the correct angle that they should be mounted at is 54.7° from the horizontal. A slight variation from this angle will cause trouble in balancing out. If the experimenter drills his own panels, great care should be taken to see that this angle is correct.

Be sure that all your connections are O. K. Then if your set is built in accordance with the directions given in these articles, the results will repay you many times over for your work.

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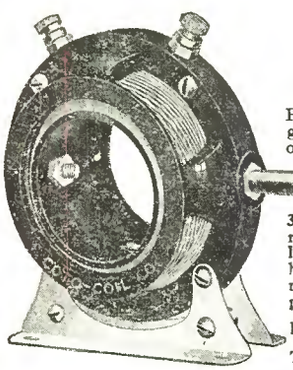

Coto Compact Moulded Variometer

Praises from all quarters greet this remarkable variometer with the honeycomb wound stator coils. Size is only 3¼ x 1¾ x 3¾, yet it covers the entire range of broadcasting wave lengths. Finish polished brown bakelite with pigtail connection to rotor. Base or panel mounting.

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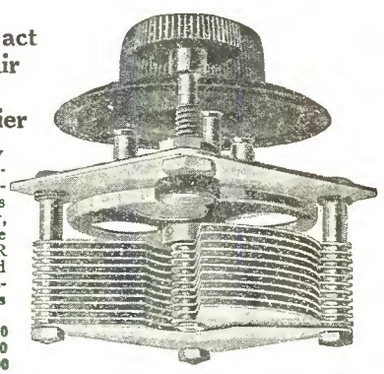

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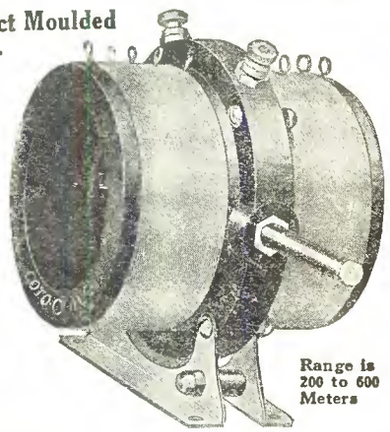

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Audio Frequency Power Amplification

A summary of the design and operation of Power (Push-Pull) amplification with Suggestions for the construction of such a unit.

The addition of power amplification to the ordinary audio frequency amplifier solves the problem of faithfully reproducing broadcast programs with greater volume. You will surely be delighted with the purity and richness of tone that this form of amplification develops in any good loud speaker.

After extensive research work in our laboratories, we have designed and perfected transformers especially adapted for the well-known "PUSH-PULL" form of power amplification. This circuit is featured above because exhaustive tests have proved that it is the most efficient method of obtaining power amplification.

This POWER AMPLIFIER utilizes two tubes which are practically placed in parallel, because their grid terminals are connected to the opposite ends of the secondary winding of the INPUT transformer.

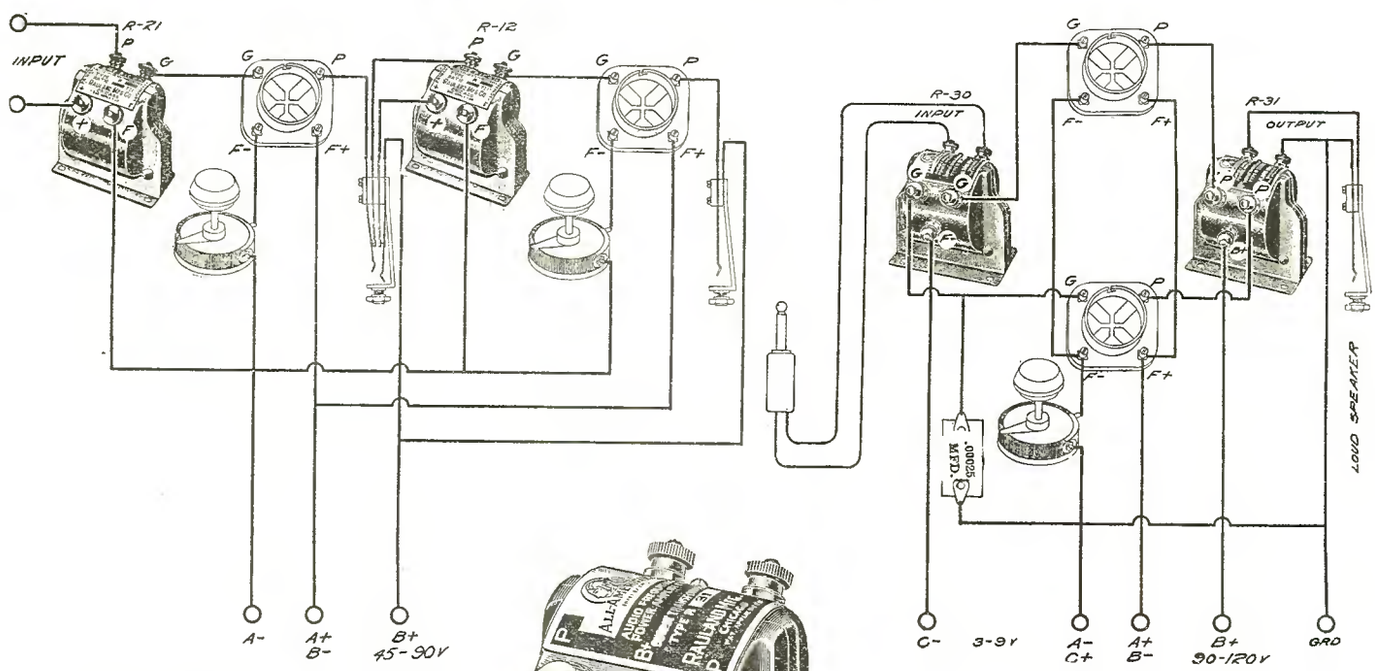
The INPUT transformer has, of course, a primary winding. The special feature, however, is the two secondary windings, each having a common terminal which connects with the negative filament through the "C" or biasing battery.

The other ends of this double secondary winding, as used in the ALL-AMERICAN INPUT transformer, are the grid terminals.

This secondary winding is sometimes referred to as a "split" winding; in that case the center tap is the same as the common terminal just referred to.

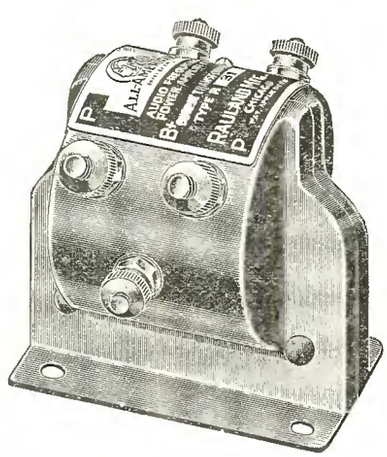
The advantage of the double secondary winding is that the impedance of both will be exactly the same. This is important, due to the balancing action described below.

This method applies an EMF on the grids of these two tubes exactly 180° out of phase. In other words, one tube is in operation during one-half of the cycle, while the other tube functions during the other half. This action "balances out" or neutralizes the distortion of harmonics usually produced when only one tube is used.



Circuit No. 1 (Audio Stages)

Circuit No. 2 (Power Stage)



All-American Power Amplifying Transformer. Input Type R-30.....$6.00

Circuit No. 2 illustrates the All-American Power Amplifier as a separate unit. We recommend that "push-pull" POWER AMPLIFICATION always be used as a separate unit. This unit of POWER AMPLIFICATION can be added to any good audio frequency amplifying unit, or if moderate volume is required, to the receiver with detector only.

If you desire to build the very best audio frequency amplifier possible we strongly recommend that you follow out in detail circuit **No. 1**, in conjunction with circuit No. 2. You will note that these circuits embody two stages of ordinary transformer

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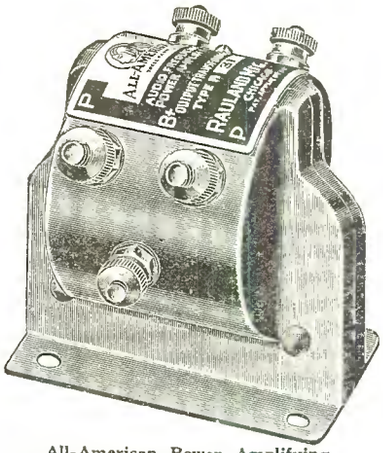
coupled amplification with the addition of the power unit, or stage. For best results it is important that ALL-AMERICAN transformers be used throughout. For the first stage use TYPE R-21, ratio 5 to 1; for the second stage, TYPE R-12, ratio 3 to 1, as shown in circuit No. 1. For the power stage use TYPE R-30 INPUT and TYPE R-31 OUTPUT, as shown in circuit No. 2.

SUGGESTIONS

Follow layout of apparatus as shown in diagrams. Make connections from transformers to circuit exactly as indicated on transformer plate. Grid and plate leads or wiring should be as short as possible to eliminate local feed back effects.

We recommend the use of the U. V. 201-A or C. 301-A tube throughout the amplifier. Be sure that you use tubes of like characteristics in the



All-American Power Amplifying Transformer. Output Type R-31.....$6.00

power stage. This is essential to obtain the balancing effect; it is not so important in the other stages. Tubes of specifications other than those recommended will operate very well in this circuit, but if you must purchase additional tubes it will be wise to follow our suggestions.

Ordinarily 90 volts will be found best for the plate potential; however, when using power tubes, greater voltages will be required, depending upon their specifications. It is essential that the "C" or biasing battery be used. When using the recommended tubes, six volts will be sufficient; however, we suggest that you experiment with voltages ranging from three to nine and choose the value that gives the best tone. Ordinary flashlight cells will be found practical.

We suggest the grounding of the transformer casings to the negative "A" battery or ground.

DO NOT use so-called non-corrosive soldering flux in making joints in your wiring. Use only resin core solder.

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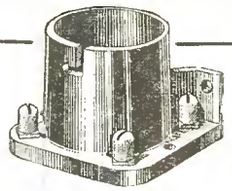
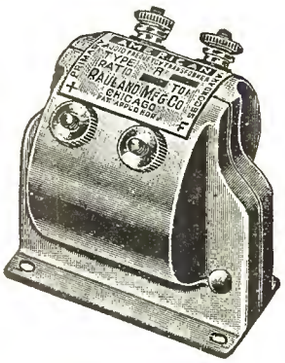
LARGEST SELLING TRANSFORMERS IN THE WORLD

All - American Radio Frequency Transformers for wave lengths 150 to 550 meters....$4.50



All American Socket
One-piece molded Bakelite—for panel or base mounting. Finest socket money can buy. Only 75c

All - American Audio Frequency Transformers come in three ratios:
3-1.....$4.50
5-1, 10-1..... 4.75



Special Offer!
The famous All-American Book of 22 Tested Hook-ups will be mailed to readers of the Citizens Call Book on receipt of only 4c to cover mailing.

RAULAND MFG. CO.
Pioneers in the Industry
2650 Coyne St., Chicago

See Page 26 for Announcement on the New All-American Long Wave Radio Frequency Transformers suitable for Super-Heterodyne Circuits

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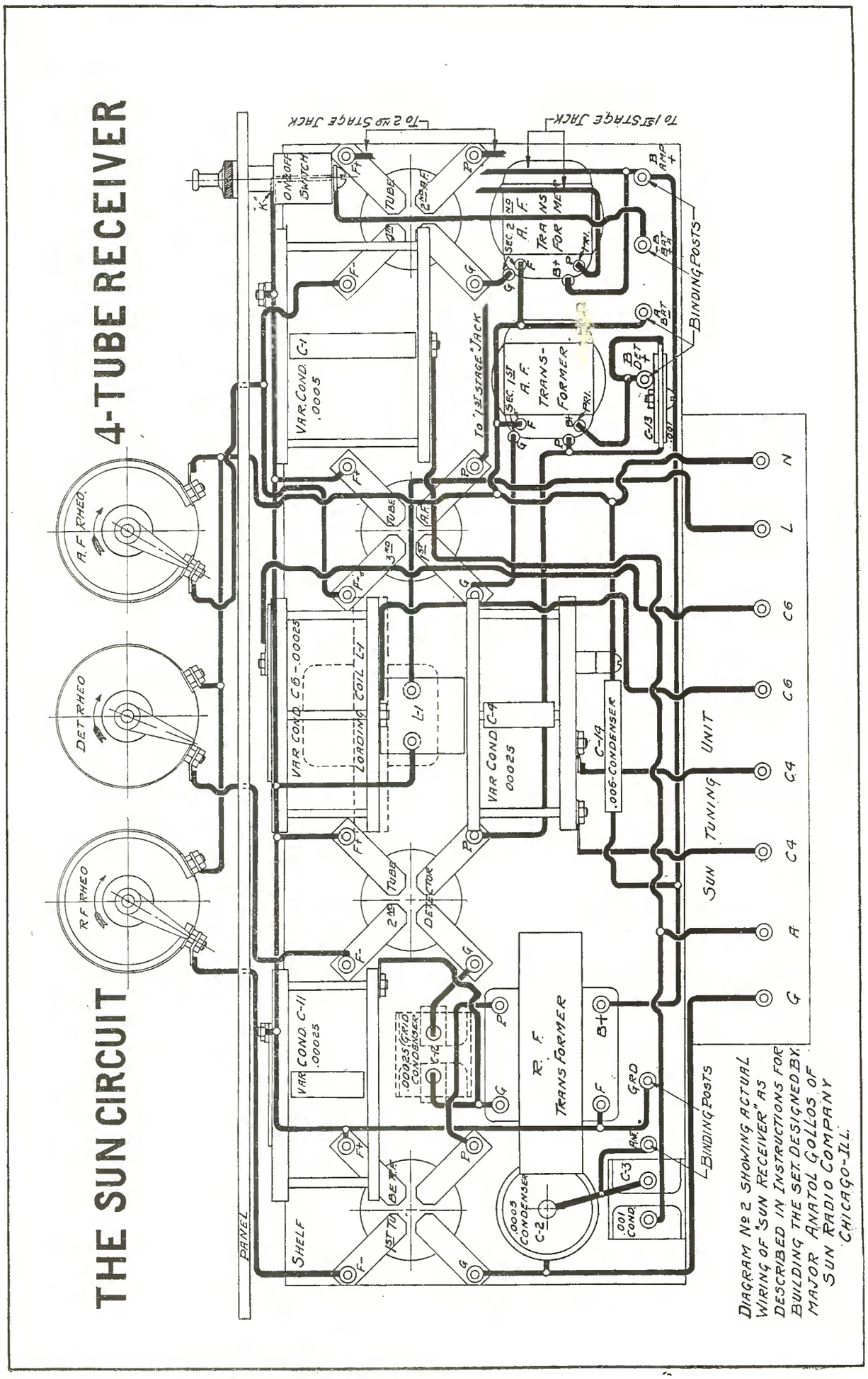
SCHEMATIC DIAGRAMS (Continued)



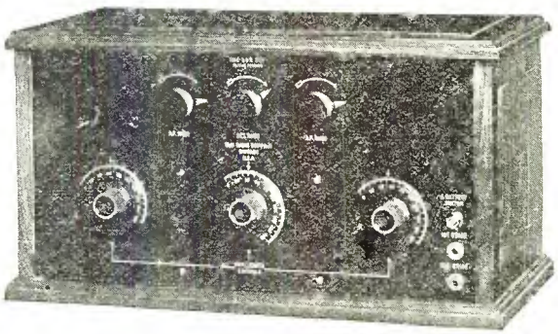
Drawing Courtesy Sun Radio Co., Chicago, Illinois

www.americanradiohistory.com

Marvelous New "Sun" Receiver

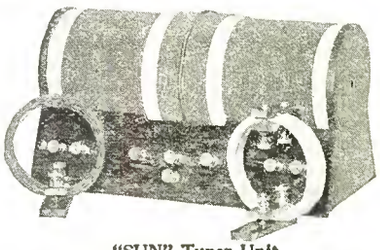
Guaranteed Non-Regenerative

(Patent Applied For)



"SUN" Receiver Assembled.

When you hear the exquisite tone quality of "Sun" reception—the amazing volume—when you experience the ease and simplicity of tuning—the certainty with which you may depend upon your "log" to bring in the most difficult stations—you will agree with every other "SUN" enthusiast that it is the greatest advancement since radio telephony became a fact.



"SUN" Tuner Unit including "SUN" Loading Coil and "SUN" R.F. Transformer

Cold words cannot carry to your mind the unbelievably beautiful tone brought in by the "SUN"—it is not just faithful reproduction—it is not reproduction at all—**it is** the sound itself, wafted to you over tens or thousands of miles with all the purity delicacy and volume you would hear if you were one of that far distant audience.

Many ordinary sets "bring in" distance stations. But how? Not at all without the ear phones—and even then only poor, scratchy sound, either so weak and wavering, or so distorted, blaring and vibrating as to almost lose identity.

But most "SUN" owners do not use a head piece even for tuning. As you turn to the proper wave length and adjust the rheostats, there is absolutely no squealing, howling, hissing or spill-overs. Out of the dead silence comes the sound—clear, living, vivid tone—as pure, true and pleasing as when it issued from the throat or the instruments at the broad-casting station.

That is what "SUN" selectively means—loud speaker tone, quality and volume from distant stations that surpasses nearby reception of most five to eight tube sets.

Abroad, regenerative sets are forbidden because of the interference to other receivers nearby. A movement is under way in this country to restrict them. The "SUN" is a four tube receiver which is positively non-regenerative. Sold under a **broad guarantee**, it is the nearest to perfection of any receiving set you can buy today.

All good dealers are prepared to accept orders for "SUN" Receiver Sets completely assembled, or knocked down ready for assembling, or you may purchase the "SUN" Tuner Unit only and build the set from standard parts. If your dealer cannot serve you, we will ship direct upon receipt of check or money-order.

Shines above them all

SUN RADIO COMPANY

4884-90 North Clark St.
Chicago
U. S. A.

Write for new complete instruction book on "SUN" Receiver. Just off the press. Describes every step in construction of "SUN" Set. All complete understandable wiring diagrams.

"SUN" Receiver Assembled without tubes, loud speaker or batteries.....**$150.00**

"SUN" Receiver Set knocked down..... **100.00**

"SUN" Tuner Unit..... **24.00**

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SCHEMATIC DIAGRAMS—Continued

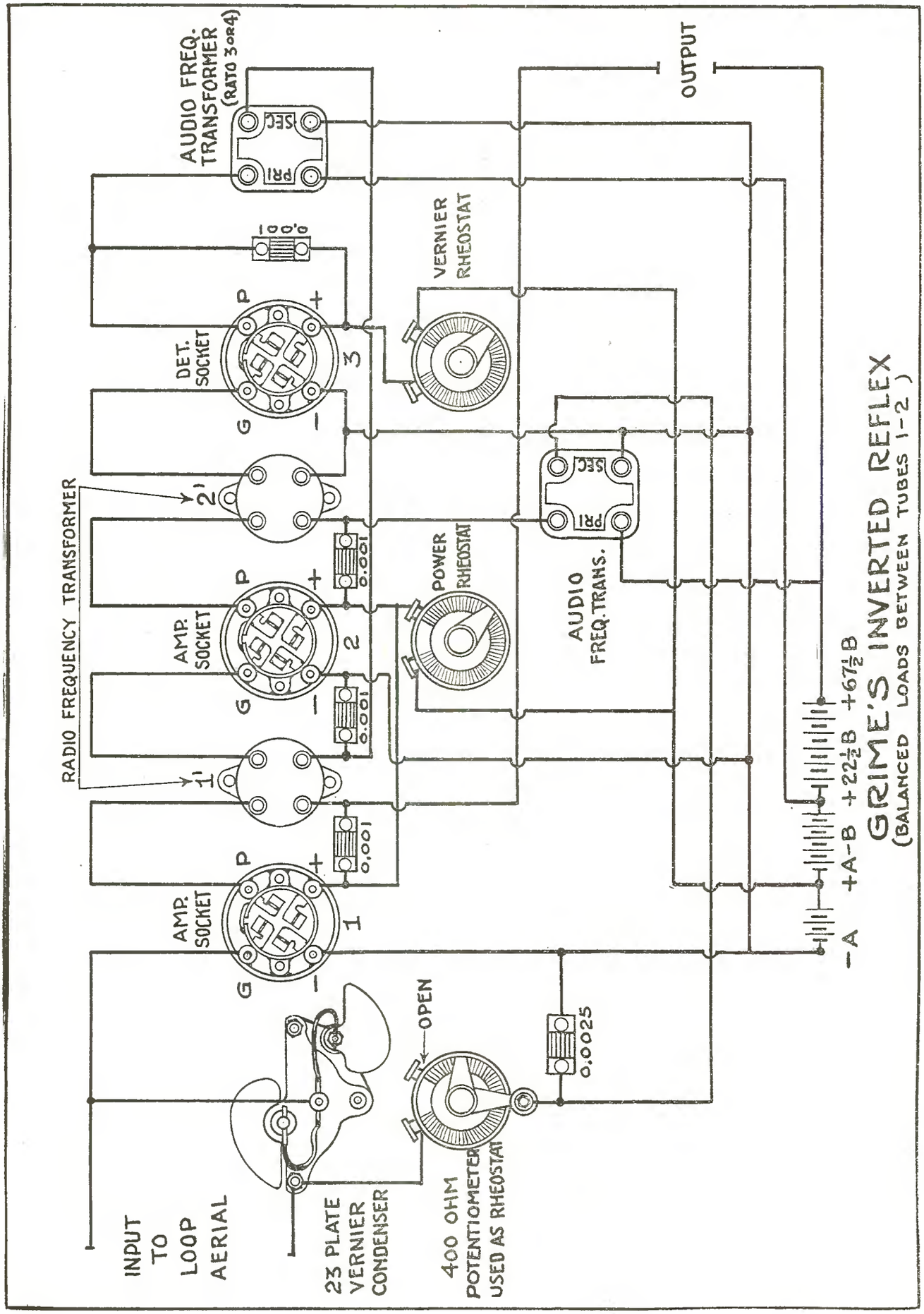

Diagram courtesy ALDEN MFG. CO., SPRINGFIELD, MASS.

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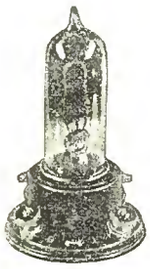
Cross-Section De Luxe
No. 400, Showing
Dual-wipe Contact

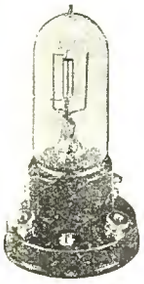
De Luxe No. 400
Price, 75c



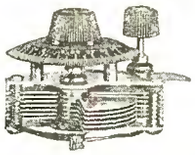
Na-ald Socket No. 499
For U. V. 199 and
C299 Tubes
Price, 50c

Na-ald Adapter
No. 429
For 199 Tubes
Price, 75c

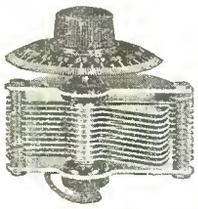
Small Space Radio
Frequency Socket
No. 401
For 200 Series Tubes
35c, 3 for $1.00



Na-ald W. D. 11
No. 411
Price, 75c



Condenser With Vernier
No. 113V.....$4.50
No. 123V..... 4.90
No. 143V..... 5.70



Condenser Without
Vernier
No. 113.....$3.50
No. 123..... 3.90
No. 143..... 4.70

Don't Blame Your Batteries For Those "Frying" Noises

Do you know that faulty socket contacts are the cause of a great deal of the disagreeable noises in receiving sets? Yet the largest battery manufacturer, after elaborate tests, declares that there are no noisy B batteries. The causes of "frying" and "sizzling" are faulty contacts or connections.

Na-ald Sockets and adapters, with their dependable contact (dual wipe on the De Luxe), eliminate this trouble. There's a Na-ald socket or adapter for every tube. *"It's the contact that counts."*

Na-ald De Luxe Dials do double duty on a radio receiver. They are beautiful. They give that final touch of distinction which completes the attractive appearance of a set, and adds to pride of ownership.

They help to tune. The big generous knobs fit fingers perfectly. The graduations are even, and marked with a permanent, brilliant white. The numerals are exceptionally clear and are placed on the bevel. There are no finger cramps when tuning with a Na-ald Dial.

Na-ald Condensers have non-bending duraluminum plates meeting Signal Corps specifications, and made according to Bureau of Standards square law design, which insures uniform wave length increase. Insulation is moisture-proof and non-warping. Each condenser is furnished with a braided tinsel pig-tail connection and with a Na-ald dial insuring minimum absorption losses.

A Na-ald Circuit Booklet "What to Build?" is Packed With Each Na-ald Product.

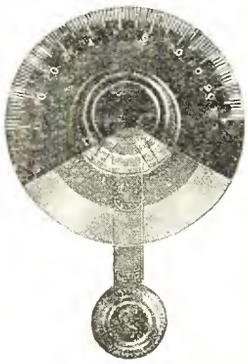
ALDEN MANUFACTURING CO.

Largest Manufacturers of Radio Sockets and Dials in the World.

Dept. Y 52½ Willow St.

Springfield, Mass.

NA-ALD

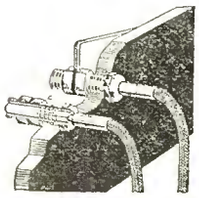


Finger Touch Vernier
Dial
3 -inch dial.....$1.25
3⅞-inch dial..... 1.65
3/16 or ¼-inch insert.

No. 3023, 3/16-inch insert—3024, ¼-inch insert
2-inch dial
Price, 35c, 3 for $1.00

No. 3003, 3/16-inch insert—3004, ¼-inch insert
3-inch dial
35c, 3 for $1.00

No. 3783, 3/16-inch insert—No. 3784, ¼-inch insert
3⅞-inch dial
75c



Na-ald Phone Tip
Jack
No. 12—25c a Pair

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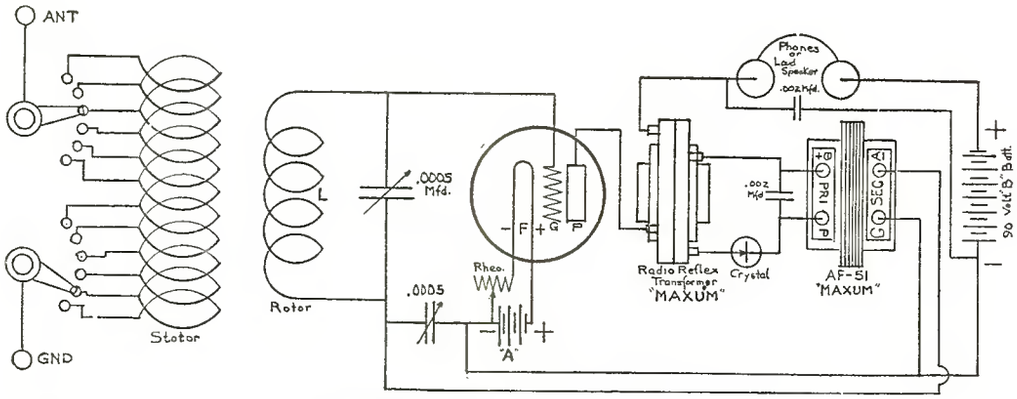
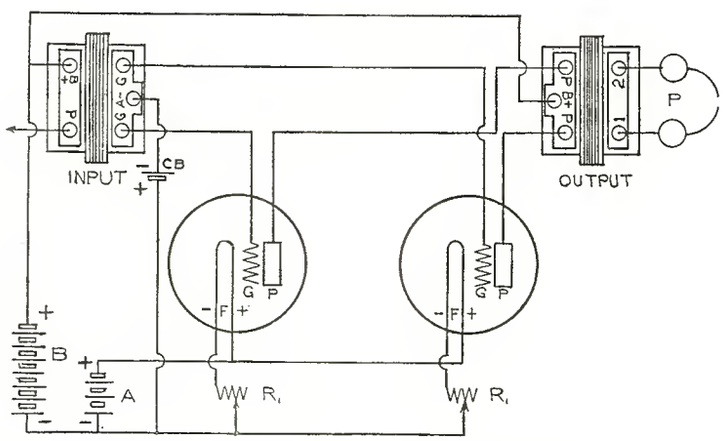
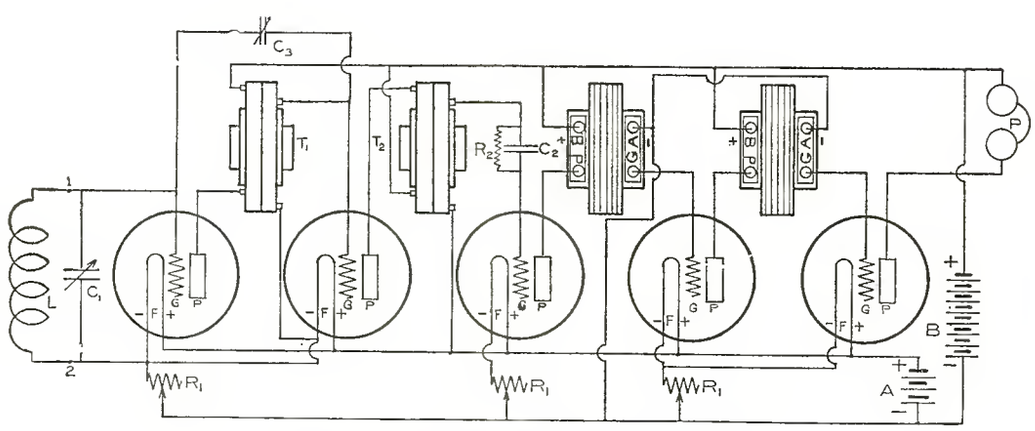
SCHEMATIC DIAGRAMS (Continued)



IMPROVED REFLEX CIRCUIT



THE DUPLEX OR PUSH-PULL CIRCUIT



FIVE TUBE SUPER-MAXIDYNE CIRCUIT

Folder showing circuits for use with from two to five tubes will be sent free on request by the Manufacturer.

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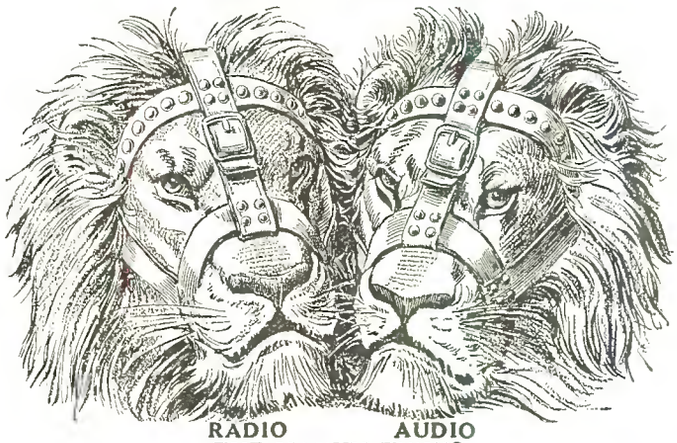
"MAXUM"
AUDIO AND RADIO FREQUENCY
TRANSFORMERS



RADIO AUDIO
—THE MAXUM TWINS—
CANNOT ROAR OR HOWL

Exclusive Features of "Maxum" Audio Transformers

1. Coils wound on hard rubber form making a rugged, well finished unit.
2. Coils are stagger wound and are not wound in layers. Stagger winding results in a much lower distributed capacity than layer winding, with a resulting wider frequency band than would otherwise be the case.
3. The coils are not paraffine impregnated as impregnation also increases the capacity effect and as is well known, paraffine will "sweat" causing leakage.
4. Three layers of 1000 volt varnished silk insulation is used between primary and secondary windings.
5. One piece laminations provide a magnetic circuit completely surrounding the coil, with no leakage. These laminations are staggered in assembly in order to prevent excessive air gaps which cause distortion.
6. Transformer is mounted in a completely shielding steel case which is the only correct method of shielding. Brass and other non-magnetic metals are not electro-magnetic shields.

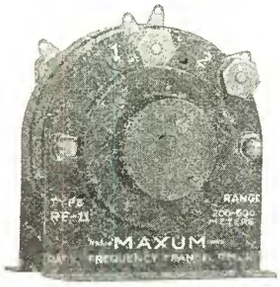
"MAXUM" AUDIO FREQUENCY TRANSFORMERS

The same Size and Type of Case used for all Models and Ratios.

Designed for use with all standard tubes. Closed shell type core of highest grade Silicon Steel eliminates distortion. SHEET STEEL case makes them "howl-proof." 50% to 200% greater amplification.

Maximum Efficiency Cannot Be Obtained by Using:—

Even layer, form wound coils, paraffine impregnated coils, small types of transformers that have either too few turns or that use a wire smaller than No. 40, and transformers having an incomplete magnetic field with lap or butt joints in the core construction.



"MAXUM" RADIO FREQUENCY TRANSFORMERS

For use with UV-201-A or C-301-A vacuum tubes, use RF25 for one stage of radio amplification, and for two stages, use RF11 next to detector tube and RF25 in preceding stage. With UV-199, C-299, WD11 or WD12, use RF11 for any and all stages.

MAXUM TRANSFORMERS

are made in the following types and ratios:

Cat. Nos.	Ratio	Price
AF31	3 to 1	$5.00 Each
AF312	3½ to 1	
AF41	4 to 1	
AF412	4½ to 1	
AF51	5 to 1	
AF61	6 to 1	
AF91	9 to 1	
AF101	10 to 1	

Cat. Nos.	Multi-ratio	Price
MR6	2 to 1—5 to 1; 3 to 1—6 to 1; 4 to 1—10 to 1	$6.00 each
PP1	Push-Pull	$6.00 each
PP2	Push-Pull	$12.00 per pr.
RF11, RF25, Reflex		$4.00 each

They have that reserve power that "could waken the dead" or that can be tamed down to a whisper, providing perfect modulation and clarity over the entire range of the musical scale from the low notes of the base viol to the high falsetto notes of the violin.

Clear as a Bell—Loud as a Siren

Coast-to-Coast reception is an every day occurrence with the "Maxidyne" Circuits.

The Fairmount Electric & Mfg. Co.
P. O. Box 5446 Philadelphia
U. S. A.

Complete catalogs of "Hook-ups" and "Transformer Design and Construction" sent free on request.

www.americanradiohistory.com

"The Loud Speaker" FREE TO RADIO DEALERS

WE believe that this latest issue of the "LOUD SPEAKER" is the most useful and complete book of its kind ever published for dealers.

It not only contains big values in the fastest selling standard parts for radio, but also has detailed diagrams of the very latest and most practical hook-ups. The prices shown are list prices which enables you to sell your customers direct from the book. A confidential dealers' discount sheet is enclosed. Send for a copy at once, you will be highly pleased with it.

DEALERS USE YOUR LETTERHEADS

We have only a limited edition of these

"LOUD SPEAKERS"

WRITE FOR YOUR COPY AT ONCE

WESTERN RADIO MFG. CO.

Manufacturers and Distributors

138 W. LAKE ST. :-: CHICAGO, ILLINOIS

SUPER-HETERODYNE

"The Aristocrat of Radio"

TYPE "RBC" A

RADIO FREQUENCY

TRANSFORMER

An instrument especially designed to operate in any well designed Super-Heterodyne circuit, where the intermediate frequency employed is 30,000 cycles.

Price, $8.50

At best Radio Dealers or Direct from the manufacturer. Give dealer's name if ordered direct.

The Rieger-Bailey Co. of America

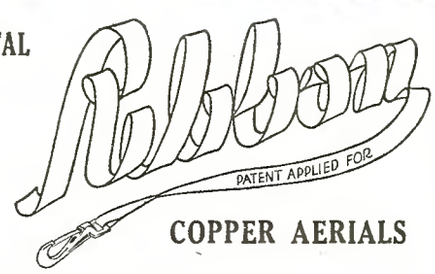
815½ Real Estate Trust Bldg.

PHILADELPHIA, PENNA.

Bell Telephone Walnut 7475

DEALERS and JOBBERS will find this a particularly active and attractive line. Write for details.

TRANSCONTINENTAL



COPPER AERIALS

Now recognized as STANDARD of the WORLD by Radio Engineers and Amateur Experts

CLEARER TONE BIGGER VOLUME

Transcontinental Ribbon Aerials are guaranteed to increase volume, distance and selectivity, to give clearer tone on any set—tube or crystal. If not, money refunded! Designed to withstand weather and wind. Hundreds of thousands now giving 100% service all over the U. S.

Not a "strip of flat copper," but a Laboratory product, based on scientific tests, with capacity and resistance calculated to secure the best results. Ask for it by name: TRANSCONTINENTAL RIBBON AERIAL to make sure of improved reception. Complete, ready for use. Snap hooks soldered to ends permit instant fastening to insulators.

50 Foot, $1.50
75 Foot, 2.25
100 Foot, 3.00
150 Foot, 4.50

Now on Sale at all Good Radio Stores

If your dealer will not supply you, order by mail from the manufacturers:

ACORN RADIO MFG. CO., Dept. 113

1806 S. Racine Ave. - CHICAGO

www.americanradiohistory.com

FREE

RADIO PREMIUMS

A Sensational Offer!

The greatest ever made in the history of "RADIO"

CUT OUT INTERFERENCE WITH THIS NEW FILTER

The new Genie Induction Filter, designed by Radio Engineer Lippincott, eliminates induction noises from your receiving set. Also cuts out that terrible power line hum and stray noises from telephone circuits. It is a wonderful device. Encased in beautiful leatherette cabinet with 3 binding posts. Everybody needs this filter.

Don't be bothered with troublesome noises when you can eliminate them with this filter. And you get this instrument absolutely free of charge if you subscribe to "RADIO" for only one year. The full price is $2.50. The filter alone is worth that much money. We stand back of it with our honest guarantee. You can't go wrong when you deal with the publishers of "RADIO." Our reputation is seven years old.

WHAT YOU GET FREE FOR ONLY ONE SUBSCRIPTION

Send us only $2.50 for a full year subscription to "RADIO" and get one of the following premiums free——

The Genie Induction Filter for eliminating noises in your set.

The new Marathon Radio Frequency Transformer.

A complete code course for memorizing the continental code.

A 3 plate Variable condenser of standard design. (Signal Elect Co.)

A large Radio Map of the United States.

A copy of the "C. W. Manual" by Lieut. J. B. Dow.

The 320 page popular book, "Elements of Radio Communication," by Lieut. Ellery Stone.

One of these premiums free with a one year subscription.

Take your pick of the premium that you most desire and check it on the conpon in the lower corner of this page. Send us $2.50 in full payment and get double value for your money. You will never regret it.

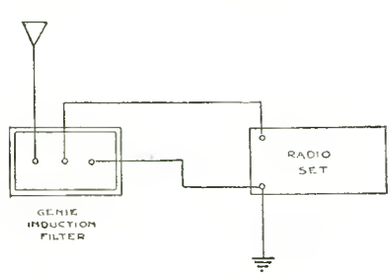
The World's Best Practical Radio Magazine—

RADIO

"Radio" is the big 100-page magazine published in San Francisco since 1917. It contains articles by the foremost radio authors and only such descriptions of radio sets that have actually proved their worth. No "sensationalism" is resorted to. We publish only the facts. One copy of "RADIO" will convince you that there is no better radio magazine in print. Over a hundred thousand people are proving this for themselves right now.

We need more circulation and for this reason we are offering some wonderful premiums with every subscription. Glance over the list of free premiums listed on this page. There are absolutely no other payments than the cost of the subscription—$2.50 for one full year. The premiums are shipped postpaid and they are fully guaranteed on an iron-clad money back basis. If you are not absolutely satisfied with your premium or the magazine, your money will be refunded in full without question. No better proposition has ever been made. Buy a copy of "RADIO" on the news stands today—if you are not already acquainted with this great magazine—and convince yourself that a subscription will be the best investment that you have ever made.

Don't delay—Mail the Coupon right now—before you turn this page



This diagram shows how very simple it is to connect this filter to your set. Get one of these filters absolutely Free!

"RADIO"—Pacific Bldg., San Francisco, Calif.

Here's my $2.50 for which you will send me "RADIO" for one year and the following free premium:—

.....

Name .....

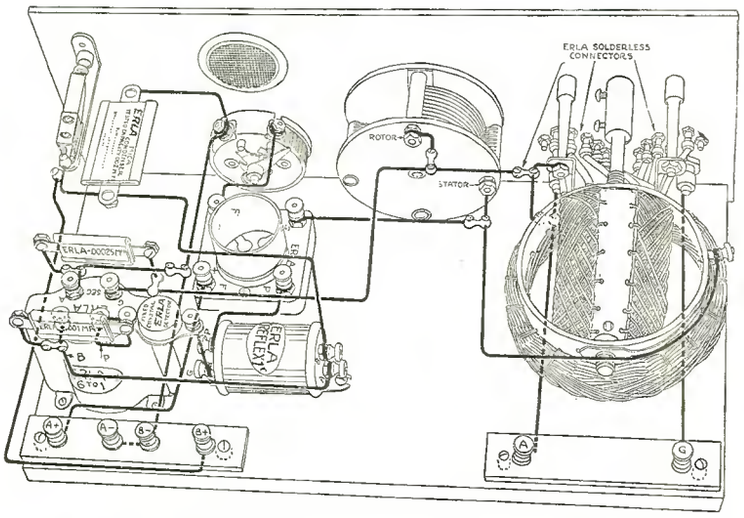
Address .....

City and State.....

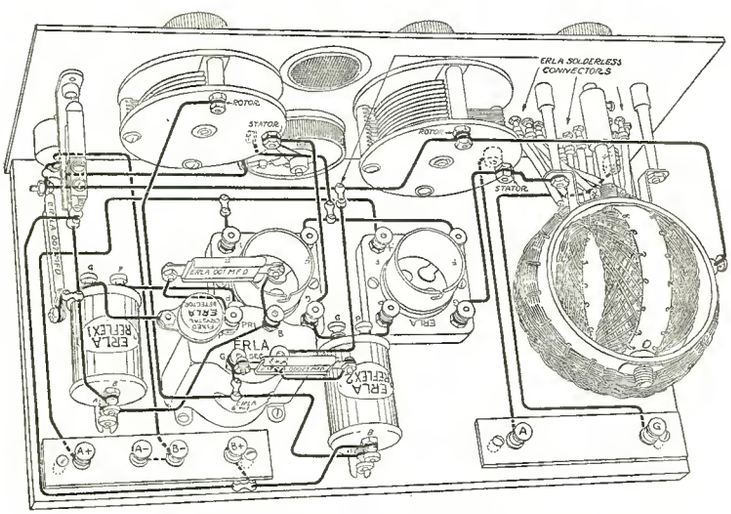
www.americanradiohistory.com

FAMOUS ERLA DUO-REFLEX CIRCUITS

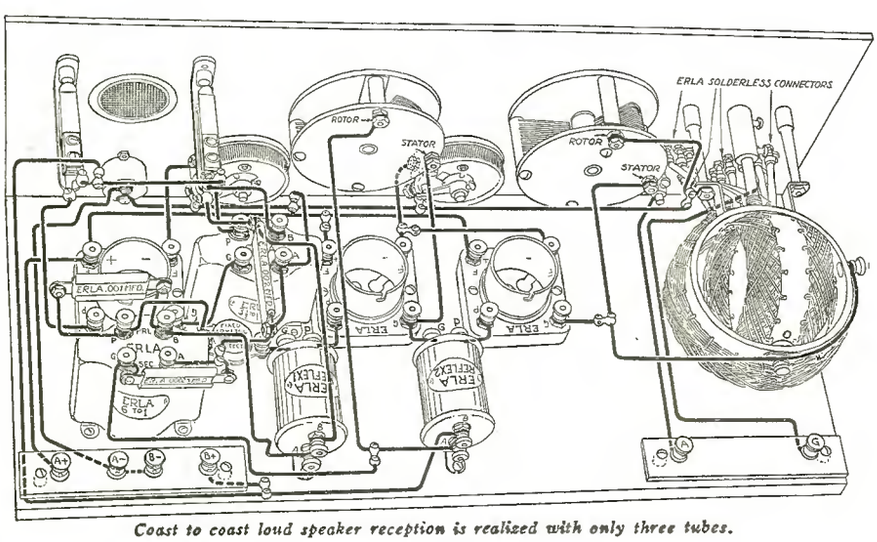
Tube for Tube, the Most Powerful Circuits Known



The original and still unsurpassed one-tube loud speaker circuit.



Two tubes give four stages of amplification with this advanced hook-up.



Coast to coast loud speaker reception is realized with only three tubes.

TIME serves only to emphasize the superiority of Erla Duo-Reflex Circuits, tube for tube, the most powerful circuits ever built.

Based upon the unique Erla principle of duo-reflex amplification that enables vacuum tubes to do triple duty, they outstrip materially comparable circuits in range and volume.

One Tube Operates Loud Speaker

Even the single-tube circuit normally operates a loud speaker over an extensive range, while the three-tube circuit is equal to five tubes otherwise disposed. The two-tube circuit is correspondingly effective, providing two stages each of radio and audio amplification.

Not only in range and volume, but in tone quality and purity of reproduction, do these circuits surpass contemporary standards. Tuning is extremely sharp and selective, local broadcasting being excluded at will, and there is a complete absence of distortion and parasitic noises. Controls are few and simple, providing maximum ease of operation.

Apparatus Greatly Improved

In the development and perfection of these circuits, infinitely more is achieved than the mere provision of new and effective means of linking together fundamental types of apparatus.

From the ground up, each unit of construction has been scientifically improved to utmost efficiency and complete conformity with the peculiar and exacting requirements of reflex work, supreme test of radio apparatus design.

Especially radio and audio frequency transformers, crystals and fixed condensers, vital units in reflex operation, have been developed and perfected through exhaustive, painstaking research work, to standards of excellence hitherto unapproached.

And, finally, through advanced precision manufacturing and laboratory testing methods, positive assurance is provided that the ideal qualities prescribed are incorporated in each piece of Erla apparatus with rigidly unvarying accuracy.

Not only, therefore, through advanced type of circuits, but in even greater measure through the scientifically correct construction and correlation of essential Erla apparatus has the remarkable success of Erla Duo-Reflex circuits been attained.

For a more complete discussion of the principles involved, consult Erla Bulletin No. 20, distributed gratis by leading radio dealers. Or write direct, giving your dealer's name.

BLUE PRINTS: For those unaccustomed to working from diagrams of the type here shown, complete blue prints, drawn to scale, have been prepared. List price: one-tube, 25c; two-tube, 35c; three-tube, 35c.

Electrical Research Laboratories

www.americanradiohistory.com

ERLA DEPENDABLE RADIO PRODUCTS

Erla Reflex Transformers

Reflex 1, 2, $5

Because of their unique ability accurately to synchronize received and reflexed radio frequency currents, in their simultaneous passage through amplifying tubes, Erla reflex transformers tremendously increase amplification without distortion. Extreme selectivity is realized as well, through flexible tuning control that enables maximum amplification of any given wavelength, to the exclusion of those undesired. Absolute precision in manufacturing guarantees success of every installation.

Erla Telescoping Bezels

List Price, 20c

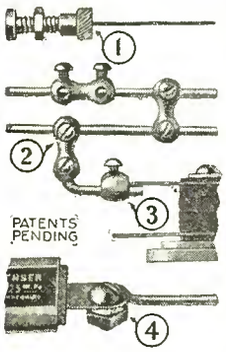
Erla bezels add 100% to the appearance of any receiving set, neatly screening openings required for tube ventilation yet enabling complete view of filaments. Attractively finished in bright nickel or dull enamel, they match perfectly the finest cabinet materials. The patented telescoping trim, made in 1 in. and 1½ in. diameter, fits any ⅛ in. to ¼ in. panel, meeting every requirement.

Erla Two-Way Phone Plug

List Price, 75c

Advanced design and exquisite workmanship distinguish the Erla phone plug, rated one of the finest examples of the precision instrument maker's art. Two sets of phones are connected simultaneously, without the use of tools and without cutting or changing the phone tips in any way. Careful insulation avoids all possibility of short circuiting. Throughout, the plug is made with jeweler's accuracy, from materials of highest grade. All metal parts are heavily nickeled, while the shell is hard, durable black fibre.

Erla Solderless Connectors



List 3c *to* 5c *each*

Every connection in radio apparatus assembly, including the attachment of variocoupler taps to their respective panel contact points, is relieved of all difficulty through Erla solderless connectors. Danger of injury to delicate apparatus through soldering heat or spilling of acid paste is avoided as well. A boon to every builder of radio apparatus, saving time, temper and money. Manufactured in four types, as follows: No. 1, Variocoupler; No. 2, Bus Bar; No. 3, Jack; No. 4, Condenser.

Erla Audio Transformer

Ratios 3½ *and* 6 *to* 1, $5

Exclusive ability to amplify three stages without distortion stamps Erla audio transformers as unequaled in tone quality and purity of reproduction. Superior sensitiveness and amplifying power are gained as well, through unique improvements in construction and design. Perfect results in reflex work are guaranteed. Scientific manufacturing and testing methods maintain rigidly unvarying quality and performance.

Erla Tested Capacity Condensers

30c	35c	40c	65c	75c
.0001	.0008	.0025	.005	.006
.00015	.001			
.00025	.0015			
.00035	.002			
.0005				

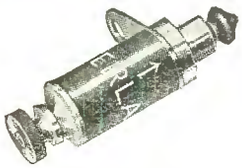
The words "tested capacity," appearing exclusively on the labels of Erla fixed condensers, provide positive guarantee of accuracy unobtainable with any other make. Complete absence of noise is realized as well, through original shell design and absolutely uniform over-all pressure maintained between plates through unique precision methods of manufacture.

Erla Fixed Crystal Rectifier

List Price, $1

Uniform high efficiency and complete stability are assured through Erla fixed crystal rectifiers, eliminating necessity for adjustment and attention. Solid gold contact point maintains indefinitely original reception.

Erla Semi-Fixed Crystal



List Price, $1

Accurate compensation for minor variations in the characteristics of different receiving units of same design, especially those of reflex type, is provided through the Erla semi-fixed crystal. Once the point of maximum reception has been determined, no further attention is required.

Erla Vacuum Tube Sockets

List Price 75c

Most scientifically constructed and beautifully finished socket on the market, Erla stands alone in quality and value. The heavy, triple-nickeled shell is cast into a solid Bakelite base of maximum physical and dielectric strength. Double, tilting contact springs make wiping connection, assuring positive, unimpeded current flow at all times.

Warranty: All Erla products are guaranteed unconditionally against defects in materials or workmanship, and are warranted to give absolute satisfaction, when properly installed.

Electrical Research Laboratories, Dept. L, 2515 Michigan Avenue, Chicago

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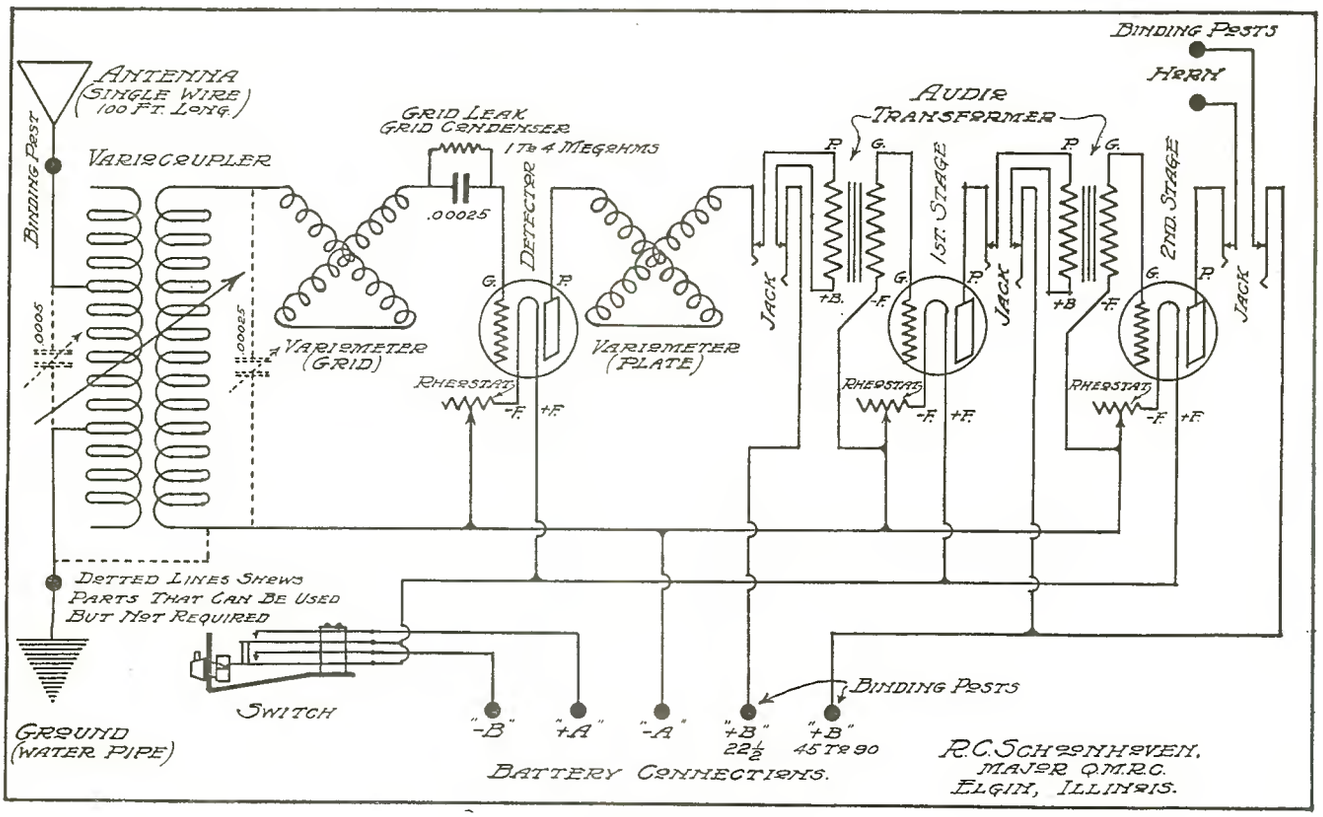
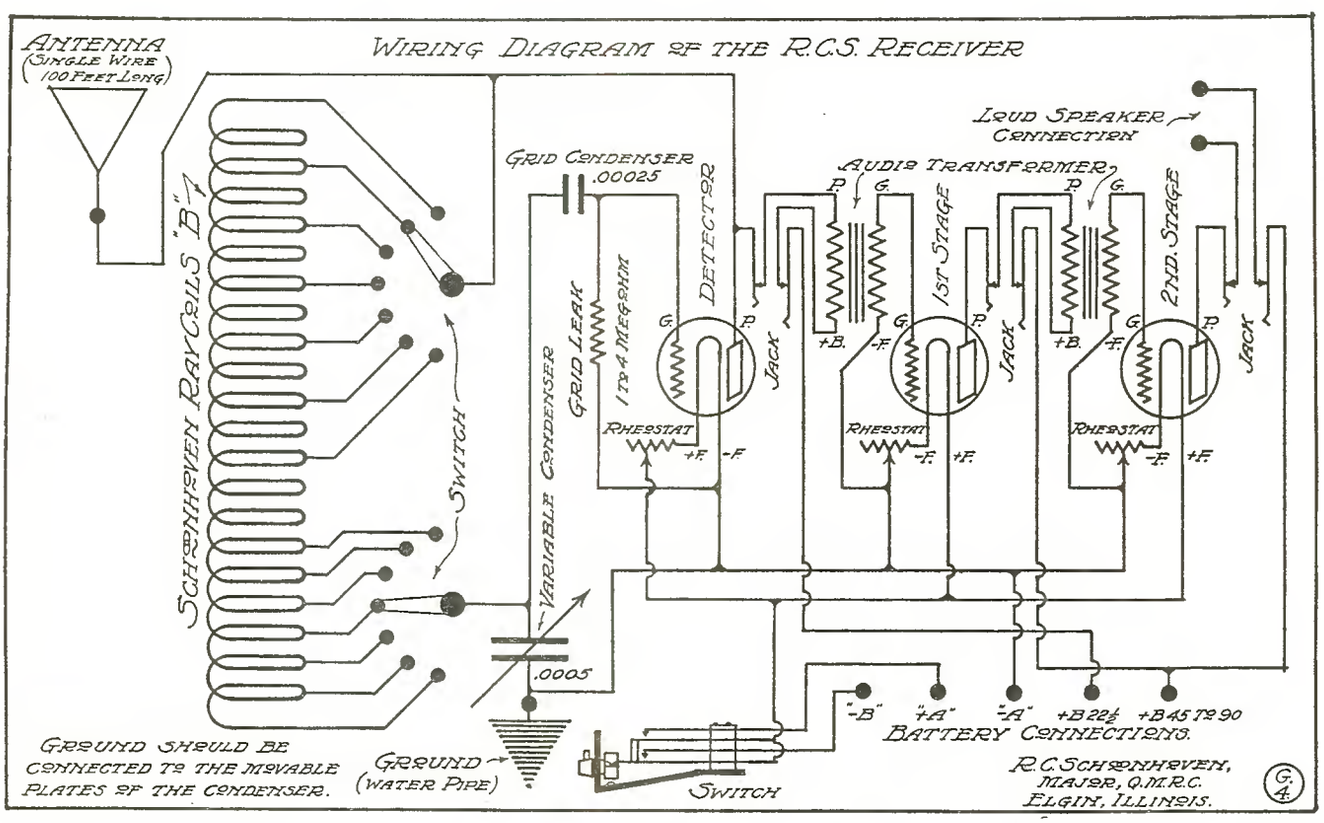
SCHEMATIC DIAGRAMS—Cont'd



VARIOMETER CIRCUIT



Drawings Courtesy Major R. C. Schoonhoven, Elgin, Illinois

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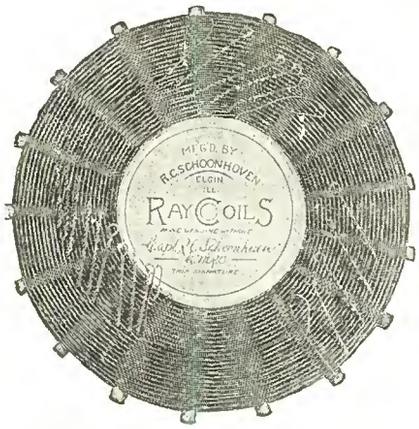
RAYCOILS for the Reinartz, R. C. S., Ultra-Audion, Wave Traps and Neutralizing Circuits.



Use *RAYCOILS for* Distance and Volume.

RAYCOILS No. "A"
For Reinartz Circuit
21 TAPS

Due to the great popularity of the Reinartz and R. C. S. circuits, a large number of cheap inductance coils have been placed on the market. Following our standard policy that the Radio Fan wants real results we are offering the best inductance coil that can be made, using number 22 double covered silk wire with short taps properly spaced so no mistake can he made with wiring. One coil packed in box with diagram, $2.50 each.

RAYCOILS No. "B" & "C"
For R. C. S., Ultra-Audion and Radio Frequency Circuits
14 & 7 TAPS

For simplicity in operation and results not equalled by any set for volume and distance we offer the R. C. S. circuit with or without Radio Frequency which uses RAYCOILS "B" and "C." Coils made of number 22 double covered Silk Wire. Taps arranged to make wiring simple.

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For Neutralizing and Radio Frequency Circuits $2.00 each
4 & 5 TAPS

Working Blue Prints of Four Sheets 12x18

Variometer Hookup	50c
Reinartz Single Tube	50c
Reinartz Three Tube	50c
Reinartz Radio Frequency	50c
R. C. S. Three Tube	50c
R. C. S. Jr. Three Tube	50c
R. C. S. with R. F. Four Tube	50c
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Wonderful Acoustic Properties of "Madera" Artificial WOOD

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12 in. high
10 in. Bell
$15.00

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The one thing that Radio lacked to secure 100% reproduction of voice and music!

"Madera" is a remarkably resonant material, made by casting wood fibre in steel molds, under a pressure of 12 tons to the sq. in., and 800 degrees of heat. It reproduces voice or music in its original purity and distinctive tone-quality—amplified by the harmonious vibrations of the dense, violin-like walls of the horn.

"MADERA" WOOD Clearspeakers

are replacing metal horns—and horns of all other materials, everywhere—on the sheer basis of superior performance.

Each "Clearspeaker" is fitted with a special Baldwin loudspeaker of great power and clearness. It will improve the performance of any radio set adapted to loudspeaker service and is being used with success on sets which could use no other loudspeaker—even some of the better crystal outfits.

Imagine a violin made of metal! Think back to the days when phonographs had jangly metal horns—and remember how wood cabinets lifted them out of the class of noisemaking toys into the realm of true musical instruments. Madera Clearspeakers are rendering the same service to Radio.

They are beautifully finished, in black or brown and are an ornament to the finest home.

No. 805
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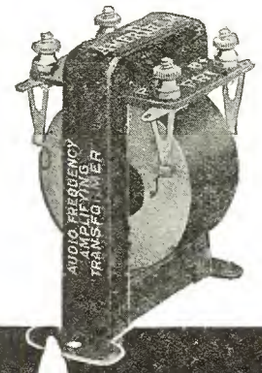

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WHEN a band or an orchestra is broadcasting, do you hear all the instruments in their proportionate volume with perfect harmony, or does it sound more like a solo or a duet?

Can you distinguish one speaker from another through his articulation and the tone of his voice, and do you hear all of the sibilant sounds?

If you have not used the AmerTran audio transformer, perfect reproduction is yet unknown to you. One audio transformer is **not** as good as another; the difference is sometimes surprising.

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Play Important Part In MU-RAD Triumph

A proud North Carolina owner of a MU-RAD Receiver reports having heard program broadcasted from station at Glasgow, Scotland.

EZTOON DIALS made possible the close tuning necessary to bring in this station at such a great distance.

When Radio Engineers like those that designed MU-RAD Receivers specify EZTOON RADIO DIALS as standard equipment, it is conclusive proof of their superiority.

You, too, can improve the reception of your receiver by replacing present dials with EZTOON easy tune radio dials. Simply take off your present dials, slip on EZTOON—tighten set screw and you can get that fine accurate tuning you thought impossible before.

If you are contemplating building a new set use EZTOON RADIO DIALS and pick up the stations your friends claim can't be brought in.

EZTOON Radio Dials make possible vernier adjustment of variocouplers, variometers, rheostats, potentiometers, tickler coils, and make extra set of plates on vernier condenser unnecessary. In fact can be used on any tuning instrument to obtain close adjustment.

Send for Illustrated Folder

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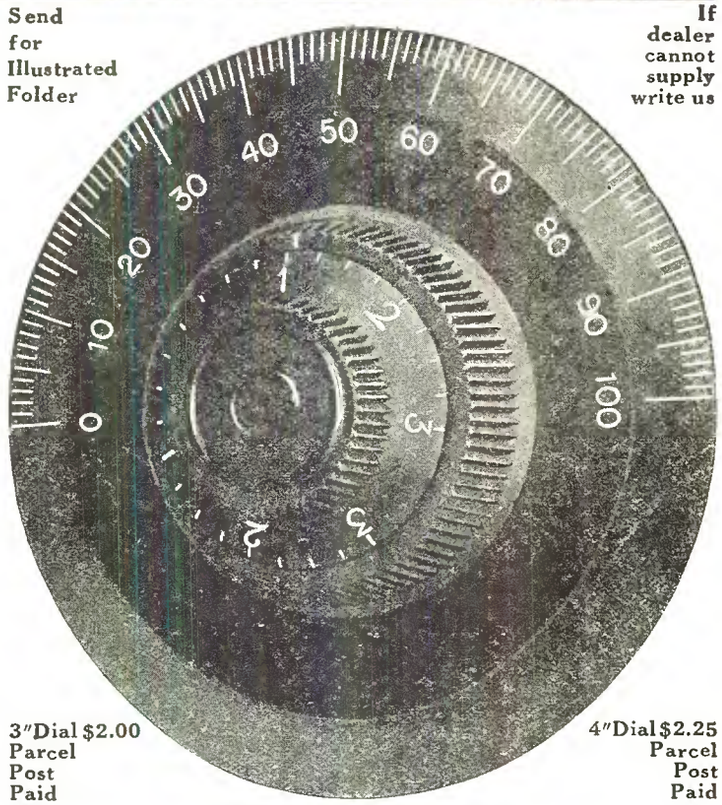

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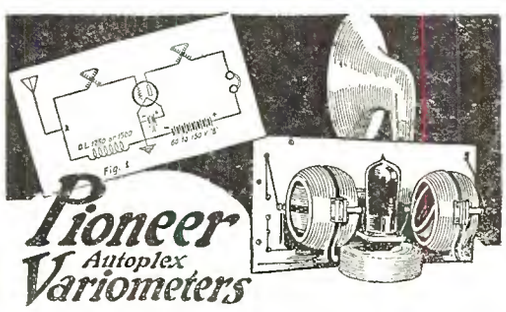


Pioneer Autoplex Variometers are built especially for this one tube circuit. All the advantages of super regeneration with none of the disadvantages.

Variometers must be specially built. Three features are essential.

High Ratio of inductance.

Stator and Rotor coils close together.

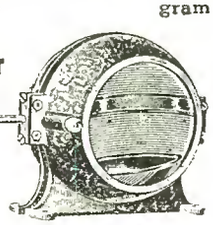
Stator coil wound on inside of coil.

Don't spoil a good circuit by buying any old variometer; insist on Pioneer Autoplex Variometers and get results.

Complete wiring diagram free on request.

Pioneer Variometer

$6.50



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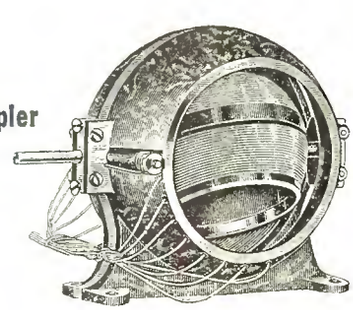
For regenerative and other circuits. Different and better. Moulded Bakelite rich mahogany finish. Perfect balance, positive contacts. Both table and panel mounting. Not only attractive but electrically right. You will be proud of them for their looks and results.

Send for illustrated folder on Pioneer Variometer, Variocoupler and other Radio Parts.

Pioneer Variocoupler

$7.



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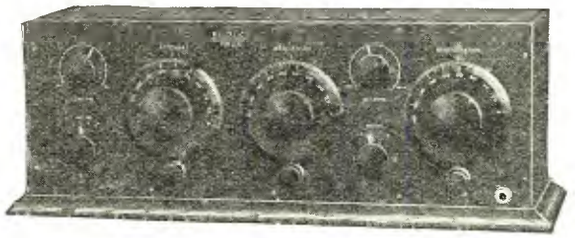
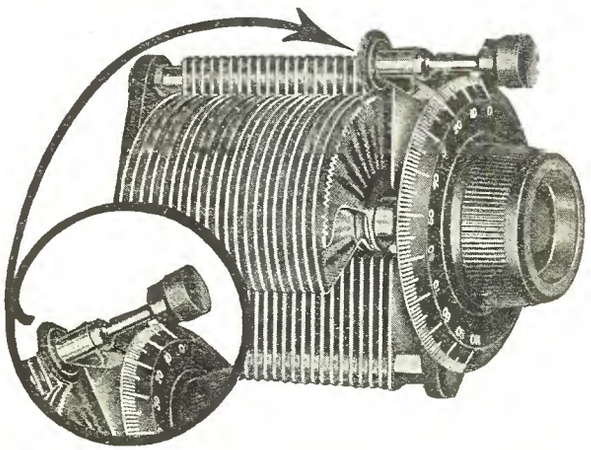
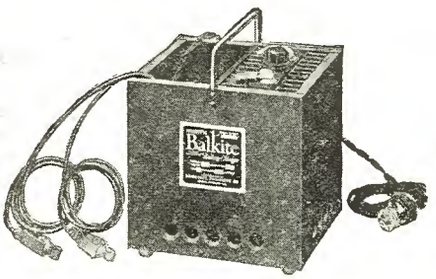


Type R. B. 2 Regenerative Receiver
Three Circuit



Heath's Radiant. Tempered Plates—Geared Vernier Condensers. Built Like a Watch.



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New York Mica Fixed Condensers

The very best obtainable mica, carefully selected, is used and a process of manufacture is employed that guarantees against short circuit, leakage or breakdown. Condensers are permanently guaranteed against these defects. The following sizes always in stock:

Capacity	Retail Price	Capacity	Retail Price
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.00013 "	.35	.002 "	.40
*.00025 "	.35	.005 "	.60
*.0005 "	.35	.006 "	.75

*With Gridleak Mount ..... .45

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Premier Quality Parts are best for every radio purpose but they are particularly adapted for use in the home-built set. Easy to install, compact in design, they embody many new and exclusive features which do much to simplify and make more efficient any set in which they are used. Unconditionally guaranteed. The following are representative of the Premier Quality line:

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Smallest Audio-Transformer ever made, and yet the most efficient for volume and tone quality (about the size of an English walnut). Gives maximum reproduction volume—minimum distortion. 100% shielded against foreign noises. Mounts anywhere—saves space in assembly. Made in tube socket types also.

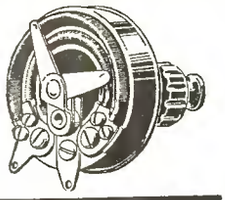
Ratio: 1 to 3, 1 to 4, 1 to 5, $3.50; 1 to 10, $4.50

$3.50 Cut ¾ Actual Size

PREMIER "MICROSTAT"
TRADE MARK
Super-Vernier Rheostat

Gives perfect control of the current delivered to the filament of radio tubes. New principle—two windings in parallel; one 6 ohms, other 40 ohms. Absolutely noiseless. Infinite control—handles any tube. "Nichrome" wire wound. Capacity, 3 amperes. Bakelite moulded—silver etched dial. One-hole mounting.

$3.00 and worth it



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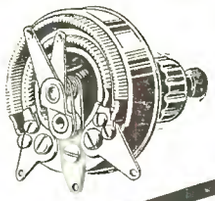
Two Rheostats in One

New principle. Two windings independent of one another. Each operates one amplifier tube. Simplifies wiring. Base bakelite moulded, dial silver etched, winding "NICHROME" wire. Made for all types of tubes. No. 12, each winding, 7 ohms; No. 13, each winding, 25 ohms; No. 14, each winding, 40 ohms.

Price, all types.....$3.00



$3.00 All Types

PREMIER "Double Disconnect" POTENTIOMETER

Double circuit breaker automatically disconnects A and B battery circuits, thus positively eliminating A battery drain (as heretofore present in all Potentiometers) and absolutely prevents accidental burning out tubes with B battery voltage. Genuine "NICHROME" wire wound. Bakelite base. Silver etched dial.

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$2.50

PREMIER "VARIABLE" CONDENSERS

Furnished with or without Vernier—exceptionally rigid construction—Heads or end pieces, rotor and stator plates and separators are hard aluminum. Rotor adjustment does not change with wear. Large rotor bearings, insuring maximum life in service.

Price Range
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TRADE MARK
VARIO-COUPLERS

Cure the New Wave Length Troubles
A HIGHLY SELECTIVE VARIOCOUPLER having 180-degree orientation and 20 Antenna taps. Wound with No. 21 single silk wire. Eighty turns on stator—fifty-five on rotor. Wave lengths range from 150 to 800 meters. All metal parts brass—stays "put" at any angle. Bakelite button on each tap wire permitting easy and safe soldering.

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Compares favorably with the BEST

Put the low price argument aside! Slip on a pair of these easy fitting phones. And listen in! When you enjoy the smooth, true clearness of tone; marvel at the absence of "blast"; thrill to the extra volume of sound, and perfect balance —then consider the price—$2.95—and you will realize why The Scientific phones are today the first choice of keen buyers. Compare them, if you will, with any other phones regardless of price.

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The Scientific headsets are positively the lowest priced quality super-sensitive phones on the market. Thousands in use daily. Our $200,000 company stands squarely back of every phone. You take no chances. Try them at our risk. If your dealer cannot supply you, order direct from us, giving us his name and address. We will be pleased to mail you an illustrated circular upon request. **All mail orders filled promptly.**

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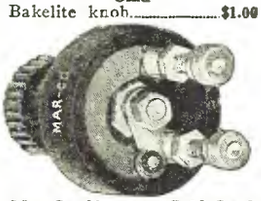
(For Canadian Prices, Add 60%)

Mar-Co Rheostat, Armor-Clad
Bakelite knob.....$1.00



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Bakelite knob and base....$1.50

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Others up to 19 points....$1.00

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Nickel, black or gold finish
35c, 25c, 20c

GIVE YOUR SET A BETTER CHANCE TO MAKE GOOD

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Provide success-insurance by installing

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embodying exclusive improvements that simplify hook-up problems and assure efficient performance.

Designed by competent radio engineers, made of best materials obtainable, carefully assembled, and rigidly tested, with fine finish for good measure.

In brief, **Mar-Co Equipment** is the kind that "gives your set a better chance to make good."

Our Experimental Laboratory Staff is always at your service.

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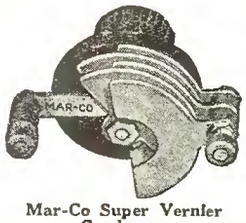
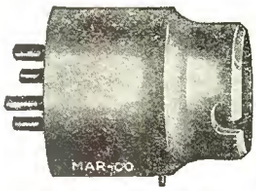
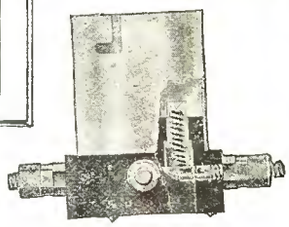
Mar-Co Potentiometer, Armor Clad
Polished nickel finish.....$2.00



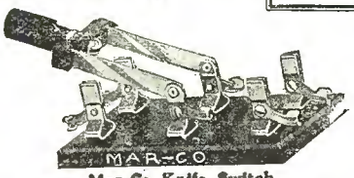
Mar-Co Super Vernier Condenser
Diameter, 1⅜ in.....$1.25



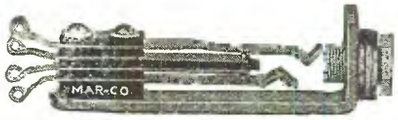
Mar-Co U. V. 199 Adapter
Fits any standard socket..65c



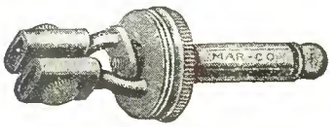
Mar-Co U. V. 199 Socket
Felt cushion protects filament.....75c



Mar-Co Knife Switch
With lugs or binding posts.....60c to $1.75



Mar-Co Shur-Grip Jacks.....60c to $1.00
Can't short circuit. Improved leaf terminals



Mar-Co Double Sta-Put Plug
Takes 1 or 2 headsets.....50c

Mar-Co Multi Plug.....$2.00

Mar-Co Shur-Grip Plug.....75c

Address Correspondence to
Dept. R-C

MARTIN-COPELAND CO.

101 Sabin St., Providence, R. I., U. S. A.
(*Established* 1880)
Offices: New York, Chicago, San Francisco, Montreal

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The Largest Exclusively Radio Supply House in U. S. A.

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DETROIT ELECTRIC CO.

ESTABLISHED 1883

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MAIN 7830

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CALVERT

Radio-Cabinet

"Knocked Down"

Manufactured by

CALVERT SPECIALTY COMPANY, Incorporated

1312 Callowhill Street. : : : Philadelphia

Three-ply—vulcanized fibre center—Condensite veneer both sides. Mahogany color—polished and grained. Bindings—bright nickel plated brass.

Handsome—Strong—All standard sizes—Durable—Dignified. Harmonizes with any panel—Black, Mahogany or Metal.

Each cabinet is supplied in an individual carton "knocked down." Every hole bored, every thread cut and every screw (nickeled to match the trim) provided, so that only a few minutes and a screw driver are required to effect a complete assembly. Radio experts have been quick to appreciate the high insulating value of its construction compared with cabinets of wood, also the elimination of warping and the absence of hinges which may sooner or later become loose and strained.

THE *CALVERT* CABINET

Solves the problem of stock carrying—"knocked down" one to a carton, it takes less than one-sixth shelf-room occupied by an assembled one and is always ready to ship—can be handed to counter customer—no time lost.

Distributed by Jobbers Retailed by Dealers

ASK TO SEE ONE

FOR THE DISCRIMINATING—CALVERT CABINETS HAVE COME TO STAY

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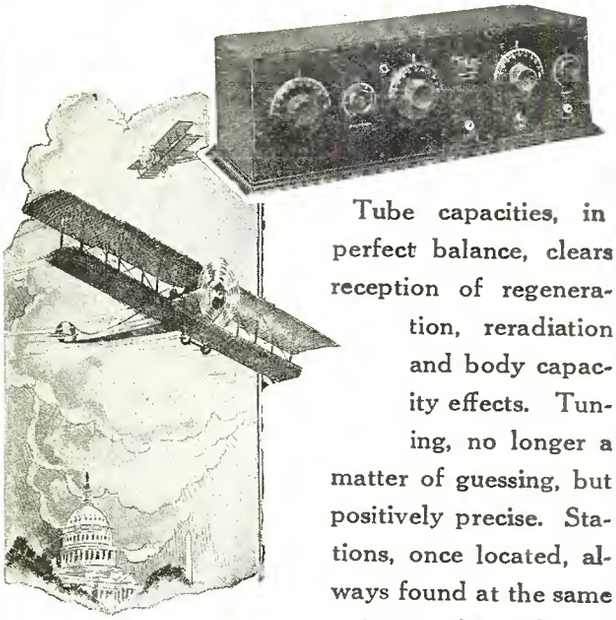
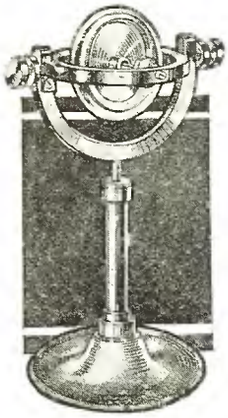
The Eagle

Balanced-Neutrodyne

RADIO RECEIVER



BALANCED AS PERFECTLY AS THE GYROSCOPE BALANCES THE AEROPLANE



Tube capacities, in perfect balance, clears reception of regeneration, reradiation and body capacity effects. Tuning, no longer a matter of guessing, but positively precise. Stations, once located, always found at the same point on the dial. As simple to use as a phonograph. Each Eagle Receiver balanced—(tube capacities neutralized) individually, by foremost radio experts. Sponsored by a well-reputed manufacturer. Guaranteed without reservations.

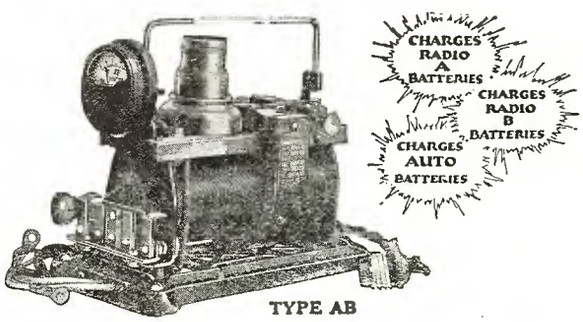
Licensed by Independent Radio Manufacturers, Inc., under Hazeltine Patent No. 1,450,080, dated March 27th, 1923, and other patents pending.

Write for Illustrated Leaflet

EAGLE RADIO COMPANY

24 Boyden Pl. Newark, N. J.

F-F BATTERY CHARGER

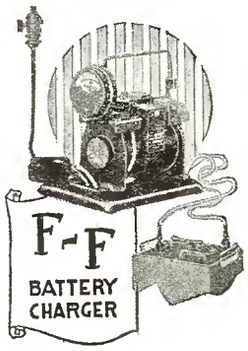


TYPE AB

The Triple Duty Battery Charger

EVERY radio enthusiast should get the full measure of service from his batteries, by keeping an F-F battery charger always ready to be connected when battery voltages get low.

The F-F type AB Battery Charger renders a triple duty battery service. It charges 2, 4 or 6 volt Radio "A" batteries; Radio "B" batteries from 20 to 120 volts—an exceptional range; and will also charge 6 volt Auto batteries. Will charge a battery for five cents. Strongly built to give long continuous service. Fool-proof and simple—easily adjusted for various voltages. Will charge a dead battery because it operates independently of battery.



TYPE 6

Note These Features

1. Simplicity of operation—just attach to light socket and turn on current.
2. Copper to carbon contactors cannot BURN or STICK.
3. Charger automatically stops if supply current fails.
4. Will not discharge current already in battery.
5. No complicated mechanism to get out of order.

Type AB Charger; price, $20; west of the Rockies, $22.

Type 6—Charges 6-volt A or auto battery—price, $15; west of the Rockies, $16.

Take your batteries out of the Living Room. Write for our literature showing wiring diagrams for basement installation of batteries, also station calls and data on battery maintenance. Send name of your dealer.

THE FRANCE MFG. CO.

10428 Berea Rd. Cleveland, Ohio

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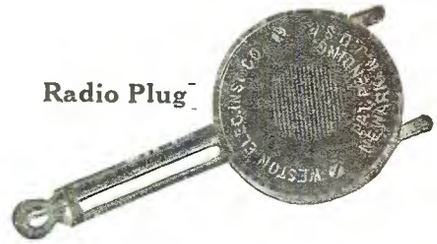


Radio Plug

Filament Voltmeter

A Fine Combination

for every radio man—

WESTON INSTANT CHANGE PLUG! Interchangeable in 2 seconds. Merely press triggers to pull cables out. Shove cables in to connect. No tools. Operators everywhere admit its infinite superiority. Ask your dealer to let you see it or get it for you.

WESTON FILAMENT VOLTMETER. With this Model 301 Weston Voltmeter you can always duplicate instantly any voltage required and exact tuning is thereafter a simple matter. Invaluable because it saves tubes from burning out. For quick tuning and good reception, it is an absolute necessity. Case diameter 3¼ in.

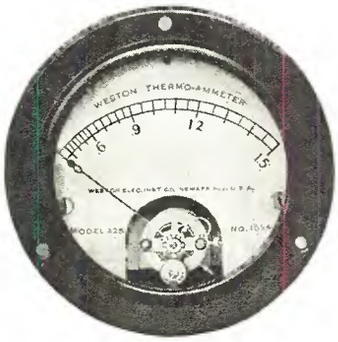
THERMO-GALVANOMETER. This Model 425 is a sensitive thermo-milliammeter of low resistance for use in connection with wave meters. It measures wave length and decrement. Instrument resistance about 4.5 ohms requires 115 milliamperes for full scale deflation. Flange diameter 3¼ in.

ANTENNAE AMMETER. Specially designed to measure antennae current. It eliminates all troubles encountered in hot wire types—has no zero shift and is thoroughly compensated against changes in temperatures. It is the adopted standard in commercial and government work. Flange diameter 3¼ in.

The name Weston signifies the best quality in measuring instruments in exactly the same manner as Sterling denotes a quality of silver or Tiffany a quality of diamond. The Weston Electrical Instrument Company was the pioneer. And for 35 years, it has been the leader in the manufacture of electrical indicating instruments. Weston instruments have stood the test of time.

All Weston Radio Instruments are described in booklet "J". You need Booklet "J" if for no other reason than to know how to test out transmitting and receiving circuits. Instrument connections shown. Sent free on request.

Thermo Galvanometer



Antennae Ammeter

Weston Electrical Instrument Co.

1 Weston Avenue, Newark, N. J.

Branch Offices in All Principal Cities

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Electrical Indicating Instrument Authorities Since 1888

STANDARD-The World Over

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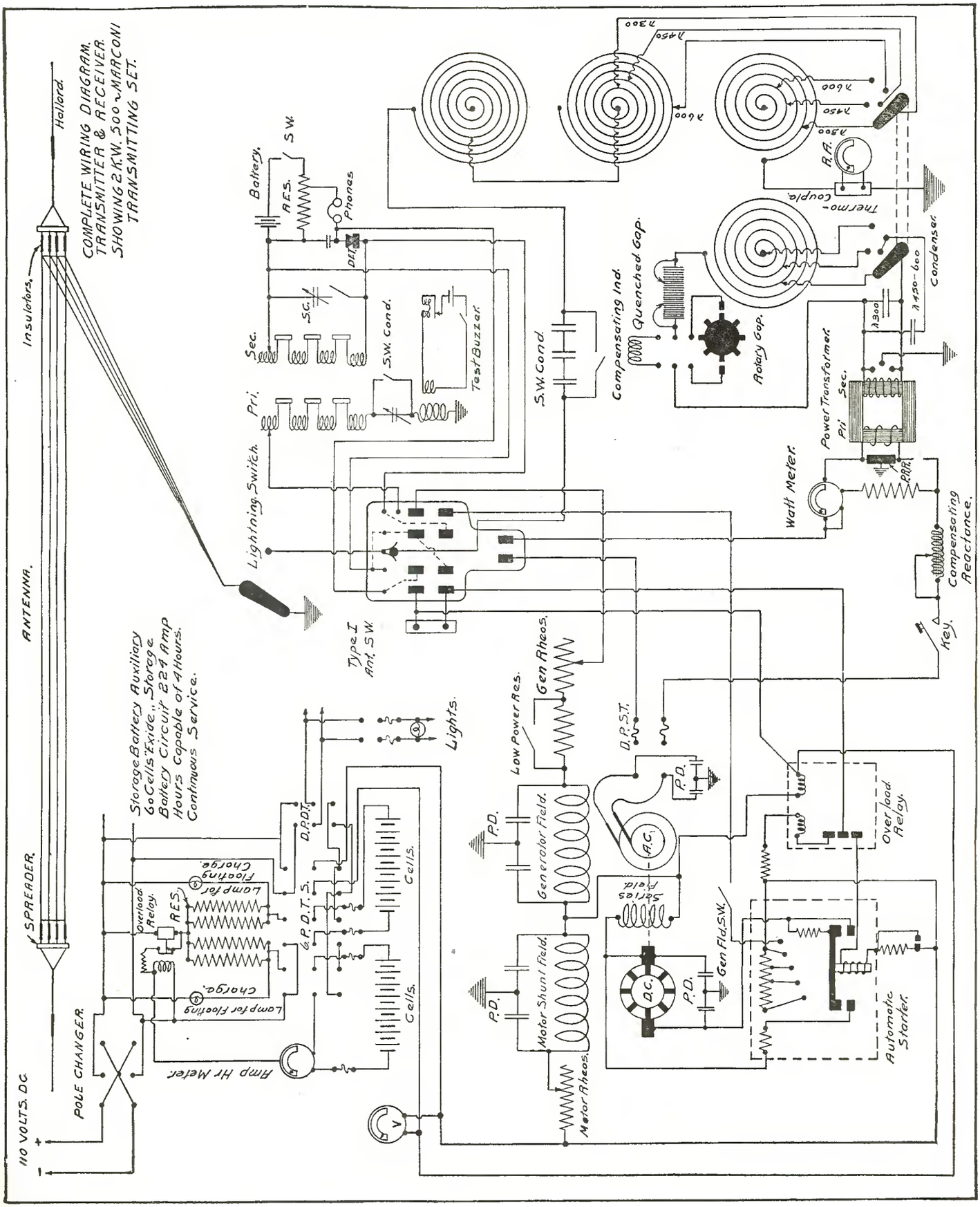
Schematic Diagrams Cont'd



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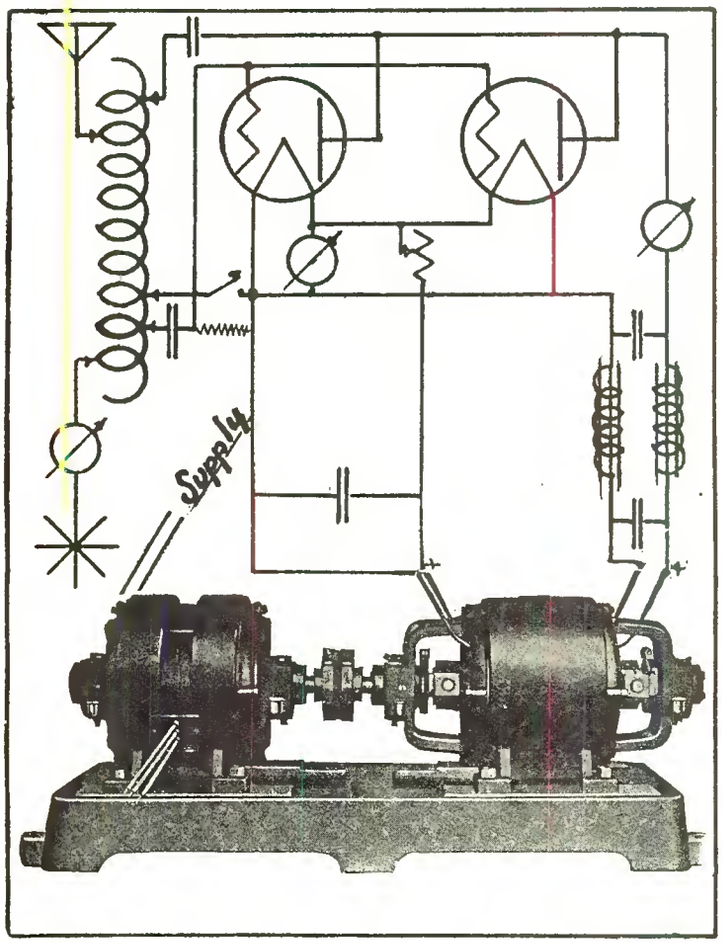
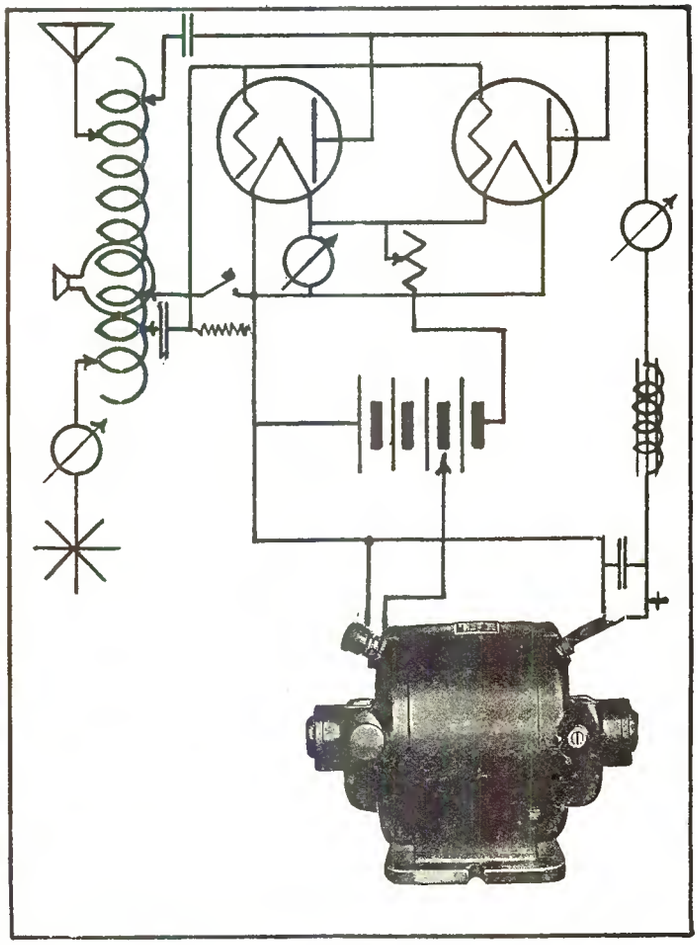


ITEM 35



ITEM 45

A Few Good Combinations

Item		Description	Recommended for	
2	350 V	40 Watt	2-5	watt with separate Fil. supply.
7	500 V	100 "	4-5	" with separate Fil. supply.
8	500 V	150 "	5-5	" 2 mod.-1 mast. osc.-2 osc. sep. Fil. supply.
13	1000 V	300 " dbl. comm.	2-50	" with separate Fil. supply.
15	1000 V	500 " " "	3-50	" or 2-50 watt and 4-5 watt as speach amplifier and mast. osc. Sep. Fil. supply.
16	1000 V	650 " " "	4-50	" with separate Fil. supply.
20	1500 V	600 " " "	2 to 3-50	" with separate Fil. supply.
24	2000 V	500 " " "	1-250	" with separate Fil. supply.
26	2000 V	1000 " " "	2-250	" with separate Fil. supply.
31	500 V	100 " -10 V 60	Watt	Same as item 7 but with Fil. supply.
35	1000 V	300 " -12 V 150	"	" " " 13 " " " "
41	2000 V	500 " -14 V 200	"	" " " 24 " " " "

Many other sets for various combinations of tubes. Special sets made to order.

TRADE **"ESCO"** MARK

MOTORS—DYNAMOTORS—GENERATORS—MOTOR-GENERATORS

Used by more than 150 Universities—Colleges—Research Labs., etc. Many Federal—State—County and Municipal Depts.

Write for Bulletins 237B and 242A Listing over 200 combinations
Send us your problems—we'll help you solve them

ELECTRIC SPECIALTY CO.

267 South St. Stamford, Conn., U. S. A.

Pioneers in Developing and Perfecting High Voltage Wireless Apparatus

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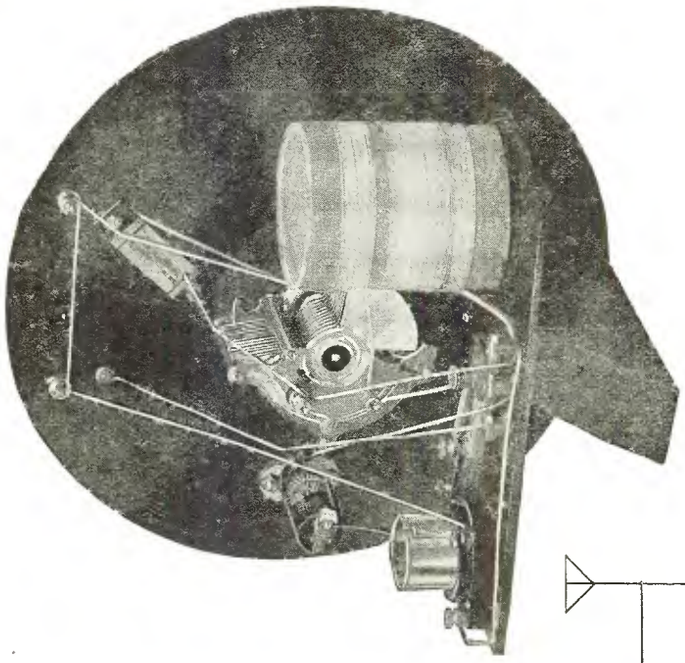
SCHEMATIC DIAGRAMS—(Continued)

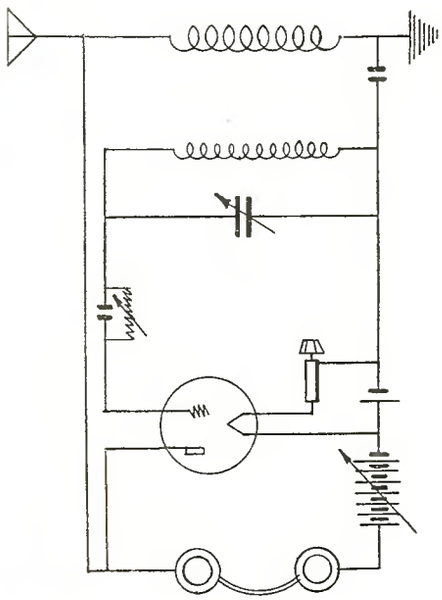


INSTRUCTIONS

Primary 20 turns and secondary 50 turns are wound on the same coil and *in the same direction*, about 1-4 inch apart.

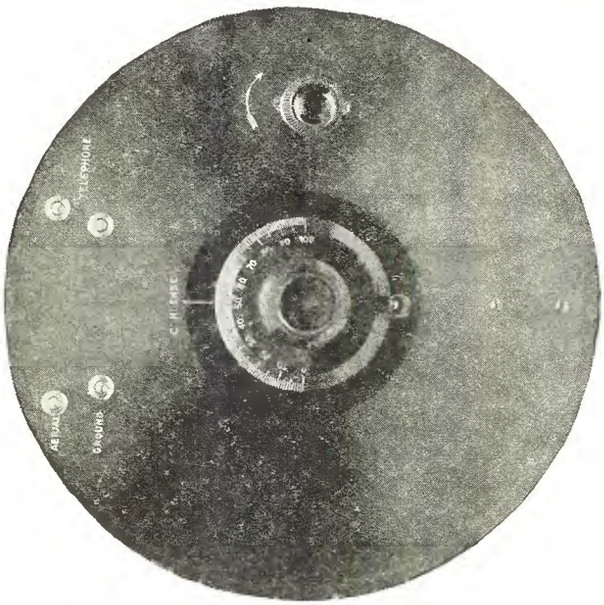
If the set does not work right, reverse the secondary connection.

Regeneration is controlled by varying the "B" battery voltage and controlling filament heat by adjusting the Fil-KO-Stat.



A NOVEL MOUNTING FOR A POPULAR HOOK-UP

© Arthur Rosenberg Co., Inc.



PARTS

- 1 Straitline .0005 Vernier Condenser
- 1 3" Cardboard tube
- 1-4 lb. No. 22 S. C. C. Copper Wire
- 1 Fil-KO-Stat
- 1 Socket
- 1 .00025 grid condenser, with variable leak
- 1 .001 Fixed Condenser
- 7 Daico binding posts
- 3 Lengths Bus Bar
- 1 Package Bruno Engravings No.3
- 1 12 Inch Phonograph Record.

www.americanradiohistory.com

The filament kontrol of infinite adjustment

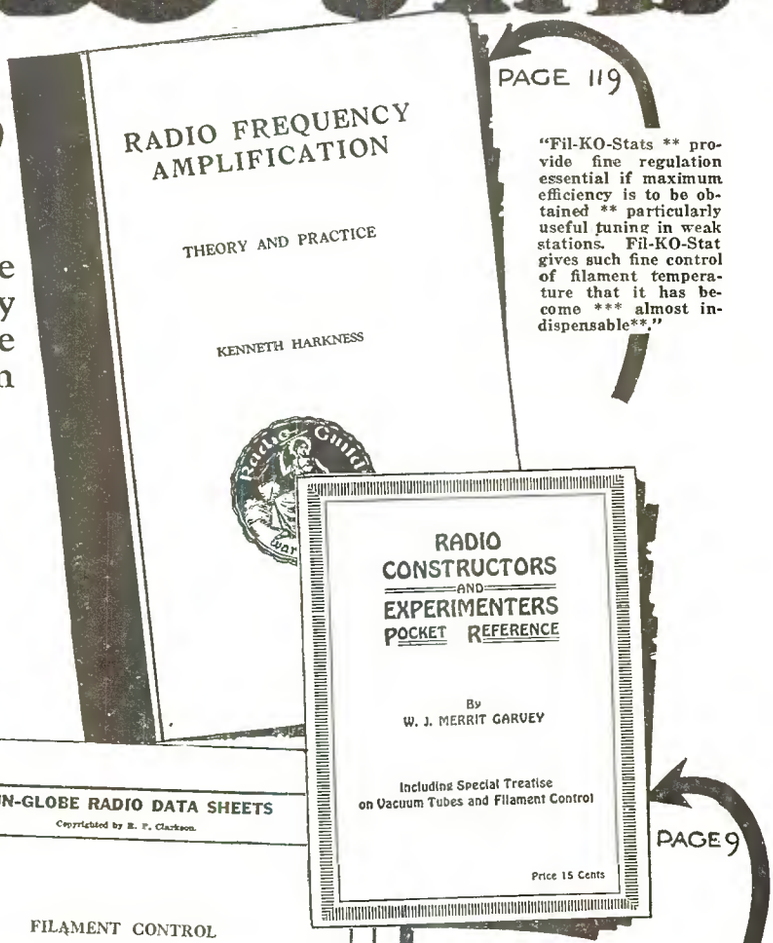
FIL-KO-STAT

Everywhere

In current Radio literature, the FIL-KO-STAT is being praised by foremost authorities as the supreme achievement in vacuum tube filament control.

Kenneth Harkness in his recent volume, "Radio Frequency Amplification," says the FIL-KO-STAT is indispensible. W. J. Merrit Garvey's "Experimenters' Pocket Reference" tells why he prefers FIL-KO-STAT to all other filament controls and R. P. Clarkson Radio Data Sheet Expert, in his card on Filament Control, states that only FIL-KO-STAT gives ideal results.

All these endorsements are the result of laboratory tests and actual use of the FIL-KO-STAT. Put one in your set to-day and you will be of the same opinion.

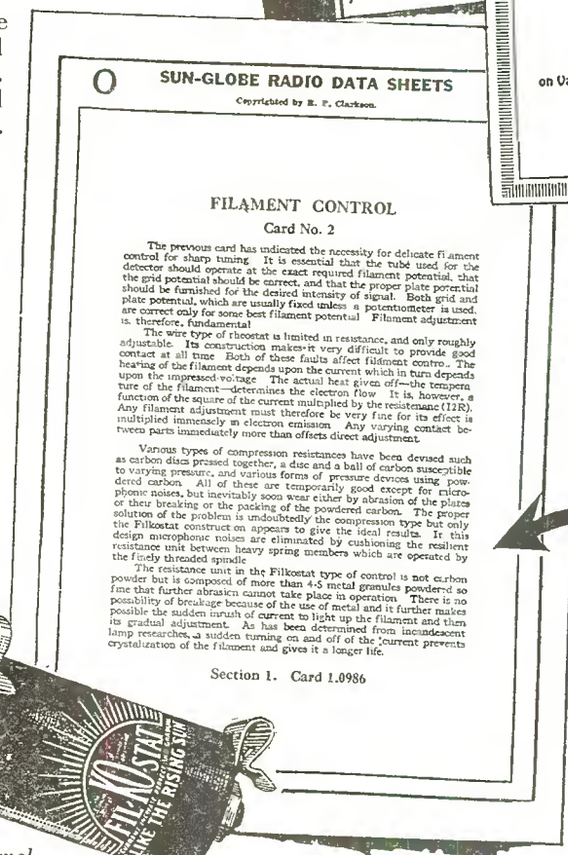


PAGE 119

"Fil-KO-Stats ** provide fine regulation essential if maximum efficiency is to be obtained ** particularly useful tuning in weak stations. Fil-KO-Stat gives such fine control of filament temperature that it has become *** almost indispensable**."

PAGE 9

"***found Fil-KO-Stat** enabled operator to make micrometer adjustments **allowing infinitesimal current changes**eliminating**noises."



SUN-GLOBE RADIO DATA SHEETS

Copyrighted by R. P. Clarkson.

FILAMENT CONTROL

Card No. 2

The previous card has indicated the necessity for delicate filament control for sharp tuning. It is essential that the tube used for the detector should operate at the exact required filament potential, that the grid potential should be correct, and that the proper plate potential should be furnished for the desired intensity of signal. Both grid and plate potential, which are usually fixed unless a potentiometer is used, are correct only for some best filament potential. Filament adjustment is, therefore, fundamental.

The wire type of rheostat is limited in resistance, and only roughly adjustable. Its construction makes it very difficult to provide good contact at all time. Both of these faults affect filament control. The heating of the filament depends upon the current which in turn depends upon the impressed voltage. The actual heat given off—the temperature of the filament—determines the electron flow. It is, however, a function of the square of the current multiplied by the resistance (I2R). Any filament adjustment must therefore be very fine for its effect is multiplied immensely in electron emission. Any varying contact between parts immediately more than offsets direct adjustment.

Various types of compression resistances have been devised such as carbon discs pressed together, a disc and a ball of carbon susceptible to varying pressure, and various forms of pressure devices using powdered carbon. All of these are temporarily good except for microphonic noises, but inevitably soon wear either by abrasion of the plates or their breaking or the packing of the powdered carbon. The proper solution of the problem is undoubtedly the compression type but only the Filkostat construction appears to give the ideal results. In this design microphonic noises are eliminated by cushioning the resilient resistance unit between heavy spring members which are operated by the finely threaded spindle.

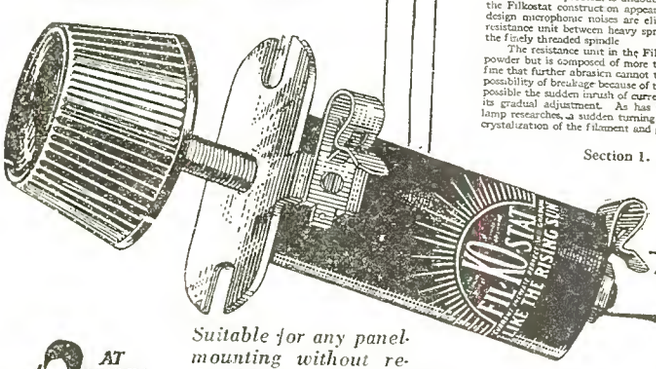
The resistance unit in the Filkostat type of control is not carbon powder but is composed of more than 4-5 metal granules powdered so fine that further abrasion cannot take place in operation. There is no possibility of breakage because of the use of metal and it further makes possible the sudden inrush of current to light up the filament and then its gradual adjustment. As has been determined from incandescent lamp researches, a sudden turning on and off of the current prevents crystalization of the filament and gives it a longer life.

Section 1. Card 1.0986

"***but only the Fil-KO-Stat construction appears to give the ideal results**microphonic noises are eliminated*** makes possible sudden inrush of current and then its gradual adjustment."

FIL-KO-STAT

- *—Provides scientifically correct filament control*
- *—Assures longer tube life*
- *—Is not a carbon powder rheostat*
- *—Has no discs to break*
- *—Has no wires*
- *—No puzzling adjustments*
- *—Ideal "off" position for all tubes adjusted at the laboratory*
- *—Full resistance 30 ohms*



Suitable for any panel-mounting without re-drilling. Equipped with Fahnestock clips. Heavy nickel plated drilled and tapped mountings for rigidly setting up FIL-KO-STAT on table or board—15 cents.

$2 AT DEALERS EVERYWHERE

In Canada 2.75

MADE AND GUARANTEED BY

DX INSTRUMENT CO. HARRISBURG PA.

RADIO STORES CORPORATION

Sole International Distributors

NEW YORK—CHICAGO—MINNEAPOLIS—LOS ANGELES—CLEVELAND—ST. LOUIS—OMAHA—SAN FRANCISCO

HOME OFFICE, Dept. CRCB2, 220 West 34th Street, NEW YORK, N. Y.

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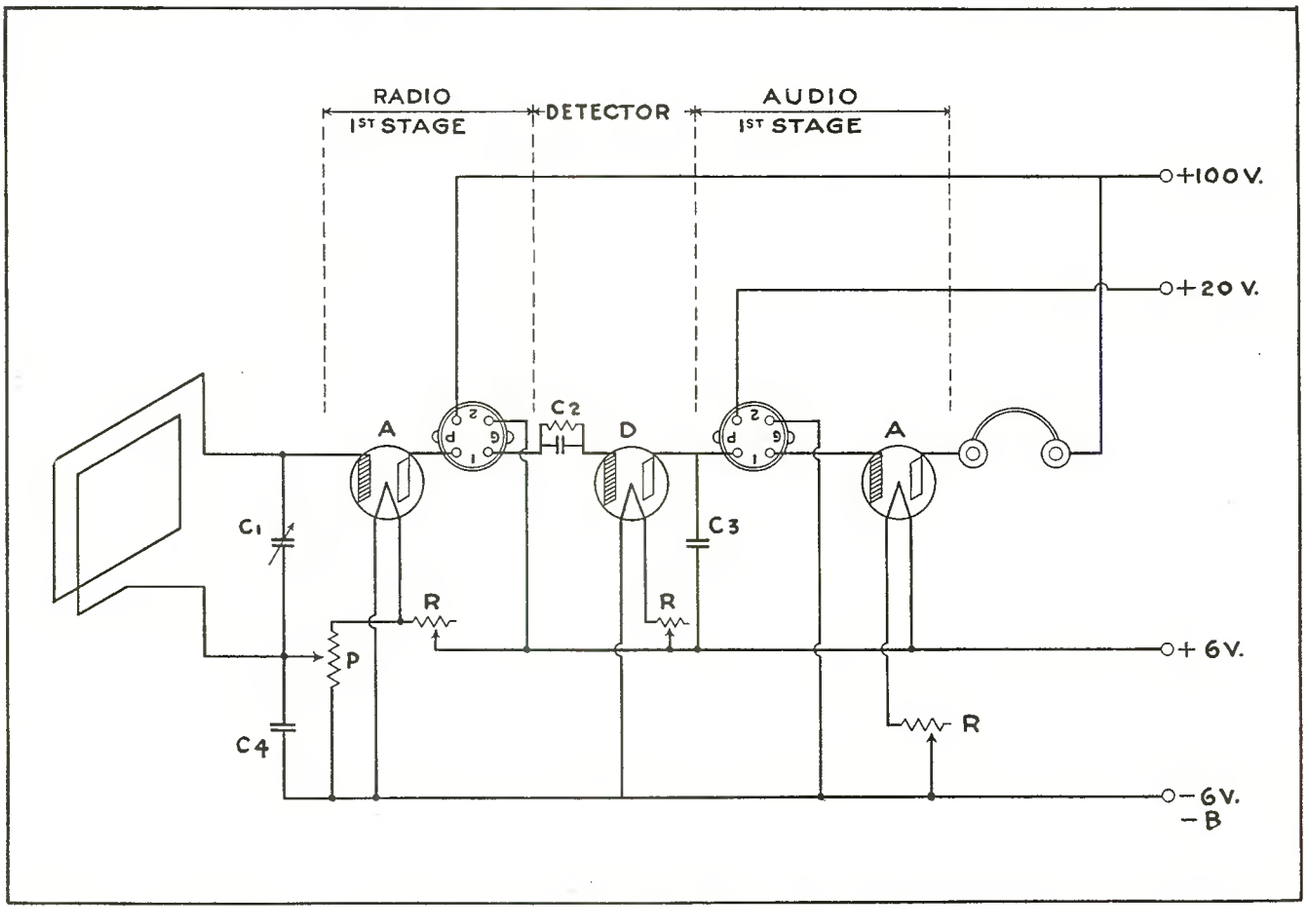
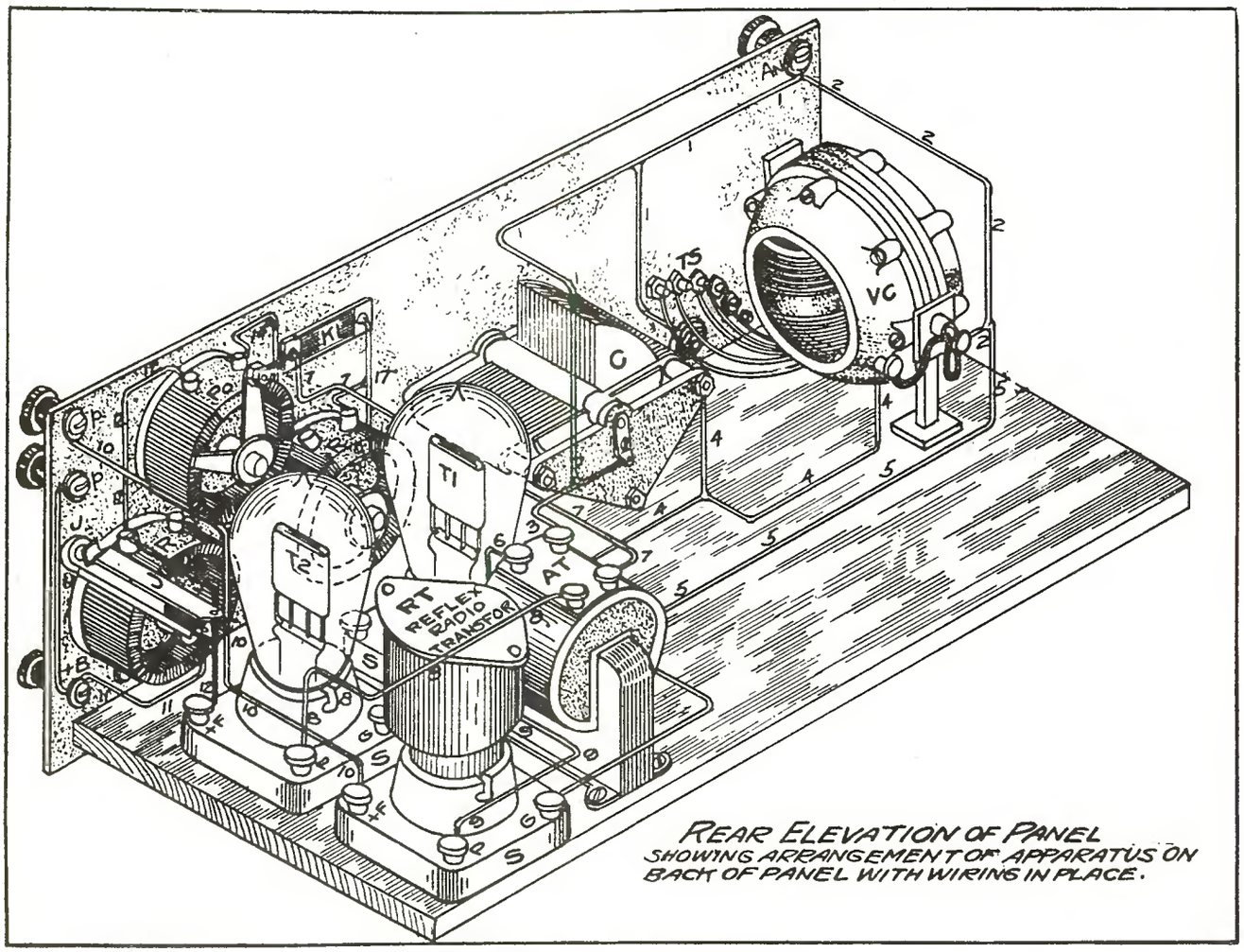
SCHEMATIC DIAGRAM—Continued



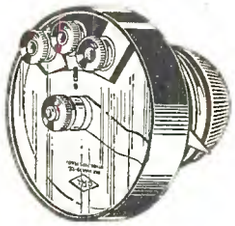
LOOP RECEIVER



TWO-TUBE REFLEX CIRCUIT

www.americanradiohistory.com

CRL POTENTIOMETER



NON-INDUCTIVE
No. 110 (400 ohms) $1.75
No. 111 (2000 ohms) $2.00

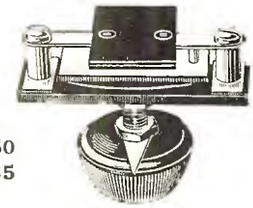
YOUR POTENTIOMETER SHOULD BE NON-INDUCTIVE

Induction interferes with and chokes the free passage of the delicate high frequency currents. You can't get the best results unless you get rid of this induction.

C R L Potentiometers are absolutely **non-inductive,**—the resistor is not wire but a strip of graphite protected against wear by a disc over which the shoe passes. Adjustment is noiseless through an **infinite number of steps.**

The Non-Inductive C R L makes possible the proper biasing of the radio frequency amplifying tubes to insure the best results.

CRL GRID LEAK



VARIABLE
No. 106 (without condenser) . . . $1.50
No. 107 (with .00025 condenser) . $1.85

USE A GRID LEAK THAT HELPS YOUR SET

The wide unbroken range of adjustment through 900 degrees—2½ turns of the knob provides maximum sensitivity and allows you to accurately secure the exact resistance value you desire in your detector tube circuit.

The resistance value remains where set until the knob is again turned. Adjustment is secured not by rubbing but by the change in area of contact between the graphite impregnated fabric strip and the spring plate.

Adjustment is therefore stepless and noiseless over the complete range from ¼ to 8 megohms.

CENTRAL RADIO LABORATORIES

301 - 16th STREET MILWAUKEE, WIS.

The Copp Vario-Selector

Patent Pending

The Copp Vario-Selector

Sold with Guarantee, in Sealed Cabinet.....$11.50

Order direct or thru your Dealer. Circular on request.

Note: The Copp Vario-Selector is NOT a Wave Trap.

I. **Changes Any Single Circuit Set to a Double Circuit Set,** with no rewiring, no rebuilding. Simply connects to Antenna and ground and it is done.

II. **Eliminates Re-Radiation.** This feature will be appreciated by millions of Single Circuit Owners and the entire radio public. The Copp Vario-Selector will rid the air of the interference being caused by Single Circuits now in operation.

III. **Increases Selectivity equal to any three circuit tuner, preserving the Single Circuit simplicity of tuning.**

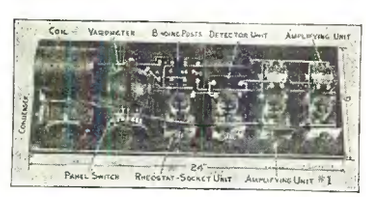
The A-C ELECTRICAL MFG. COMPANY
DAYTON, OHIO

Makers of Electrical Devices for Over 20 Years

Distance With Clearness and Volume

Any person can assemble this four tube (Knocked-down) Set with A-C DAYTON complete units.

$43.35



Tuned Wave Trap Radio Frequency Receiver

Built on Famous Copp Circuit No. 4.

Efficient for all wave lengths from 200 to 700 meters.

Range up to 2,000 miles.

Everything furnished in unit form, with bakelite Variometer, Inductance Coil, bakelite Sockets and Knobs and Dials. Units packed complete in one carton with wiring diagrams, photographs, instructions, etc., for complete installation.

See your dealer or write us direct.

We manufacture a complete line of radio parts and units.

CATALOG ON REQUEST

The A-C ELECTRICAL MFG. COMPANY
DAYTON, OHIO

Makers of Electrical Devices for Over 20 Years

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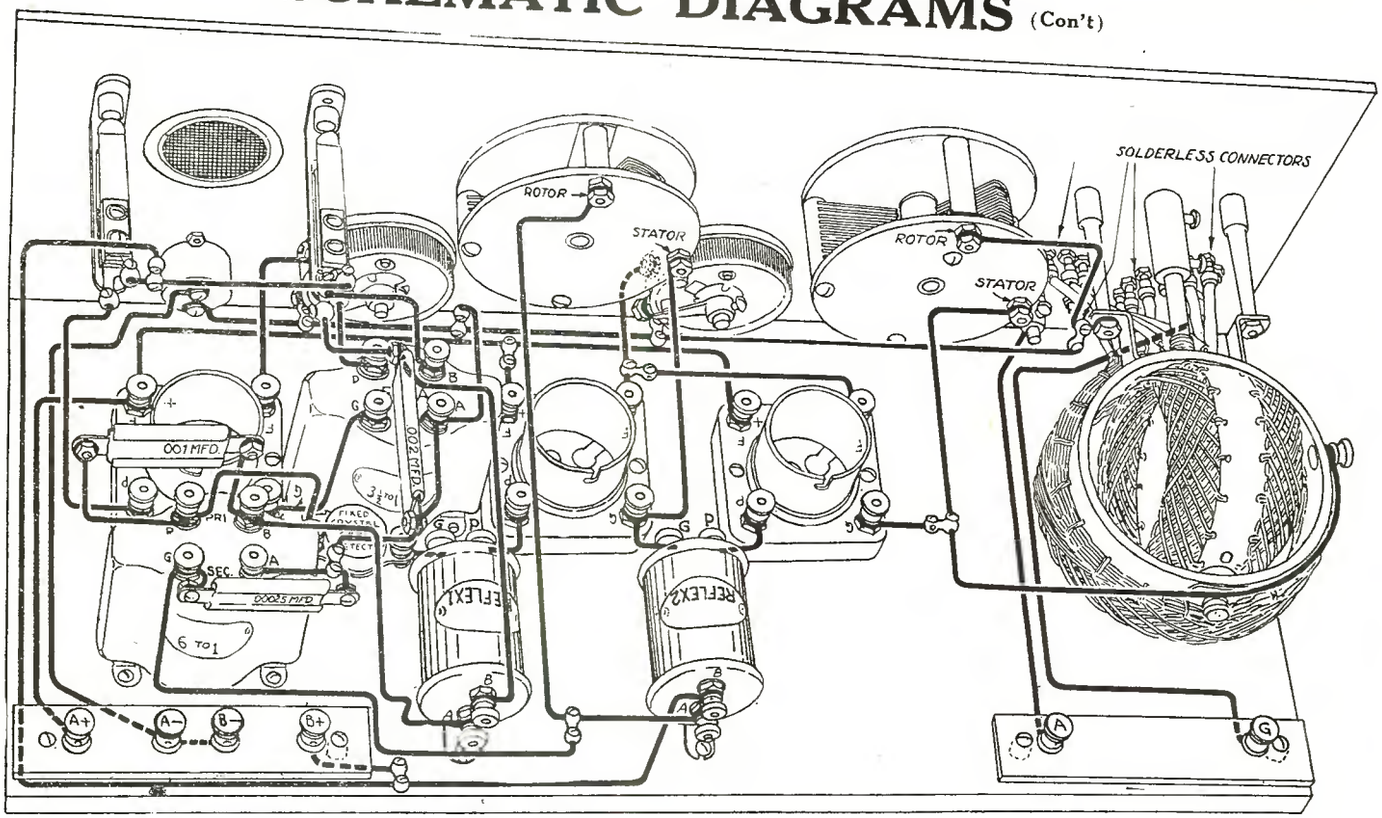
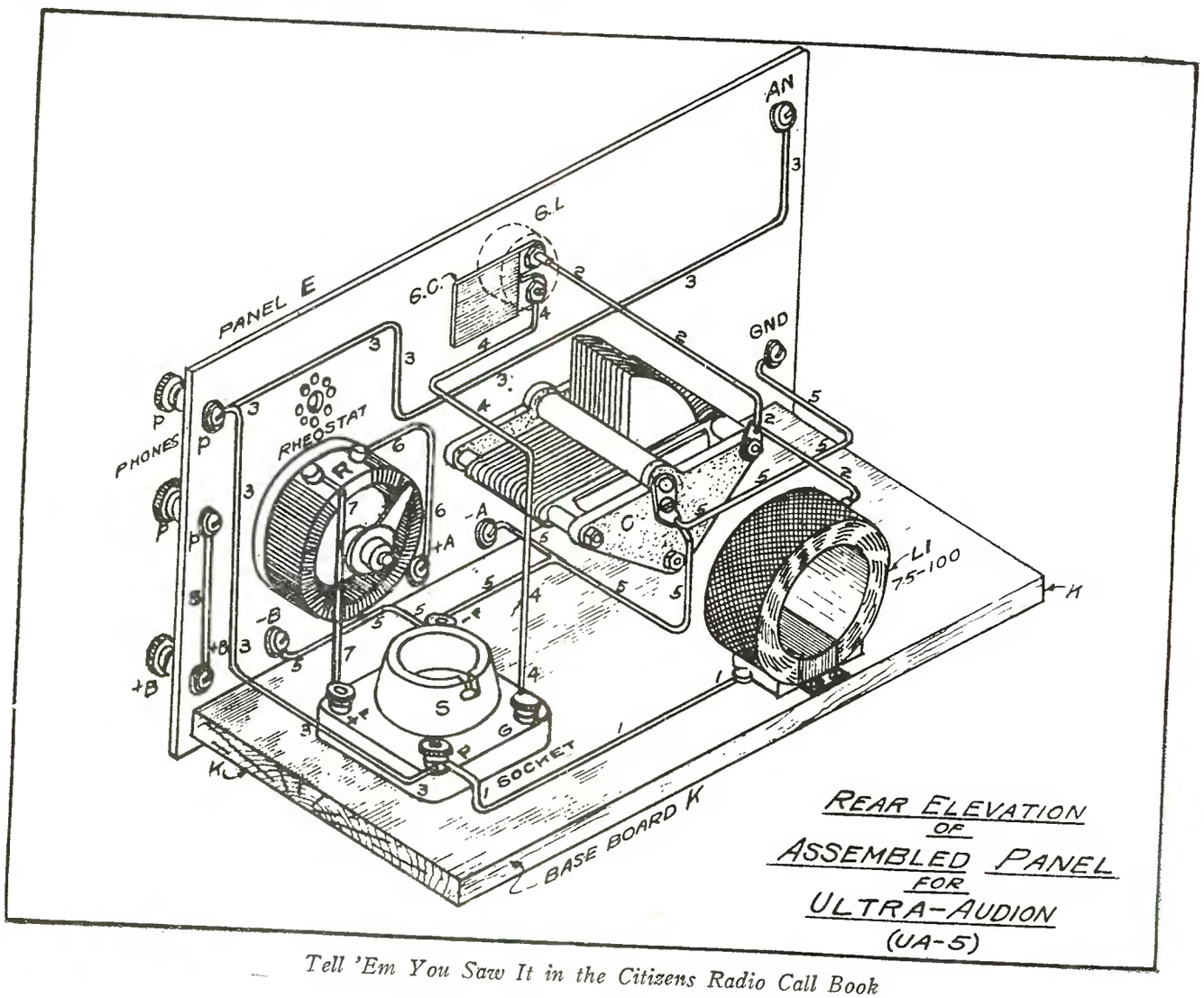
SCHEMATIC DIAGRAMS (Con't)





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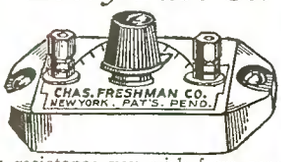


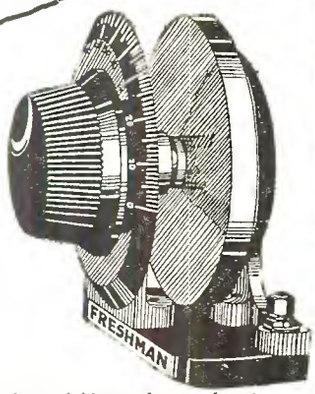
Permits you to adjust your circuit to any resistance you wish from zero to 10 megohms, in an unbroken range of 180 degrees. It takes the place of a grid condenser, grid leak mounting and grid leak, and, in addition permits an adjustment to the correct amount of resistance.
It is the most compact, the most efficient, the most adapable to all grid circuits, and the only one which is entirely sealed and always remains unaffected by any climatic conditions.

Base or Panel Type complete with .00025 or .0005 Freshman Condenser **$1**

Either type without condenser, $0.75

"Freshman Selective"

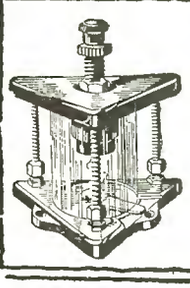
Mercury Variable Condenser *for* Transmission *or* Reception



It is the only variable condenser the plates of which vary in area—**AN ENGINEERING FEAT NEVER ACCOMPLISHED BEFORE**—making it most efficient for fine adjustment and selective tuning.
The "Freshman Selective" is attractively compact, quiet in operation and will withstand 5,000 volts without leakage or danger of short circuiting.

.0003 MF (Equiv. to 17 plate)
.0005 MF (Equiv. to 23 plate)
.0001 MF (Equiv. to 43 plate)
$5 EACH

All molded parts and dial of finest Bakelite



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for base or panel mounting. When mounted on panel only the knob shows on the front. No more searching for the sensitive spot. Merely turn the knob as you would a dial thus adjusting the crystal instead of the catswhisker. Best for both Reflex and Crystal sets.

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Guaranteed Capacities

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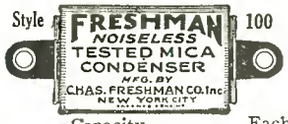

100

The Condenser Sensation of Modern Radio
FRESHMAN Noiseless Tested Mica Condensers

Every Condenser is individually tested on high voltage for capacity, breakdown and leakage. Every piece of Mica embodied in the Condenser is individually tested and examined.
The new style No. 101 is equipped with Freshman Soldering Terminals which allows 3 distinct connections with a very small amount of solder.

Capacity	Each	Capacity	Each	Capacity	Each	Capacity	Each
.00005	$0.35	.00035	$0.35	.002	$0.40	.006	$0.75
.0001	.35	.0005	.35	.0025	.50	.007	1.00
.00015	.35	.0006	.40	.003	.60	.008	1.00
.0002	.35	.0008	.40	.0035	.70	.009	1.00
.00025	.35	.001	.40	.004	.75	.01	1.00
.0003	.35	.0015	.40	.005	.75	.015	1.50

Style

101

No Outside Wires Needed

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ANTENELLA
It is not only a real distance getter, but also overcomes static annoyances. The complete and efficient aerial: ANTENELLA. Price only.....$1.25

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Price, 4 in.....1.50

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A Fixed Grid Leak Combination 4 in 1

Freshman Condenser .00025
Leak Mounting
Freshman Grid Leak
Safe-T Handle

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The TURN-IT employs a unique principle which eliminates all sliding or pressed contacts.

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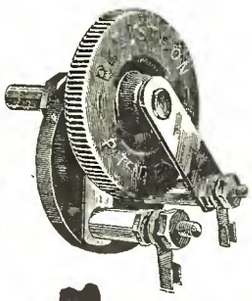

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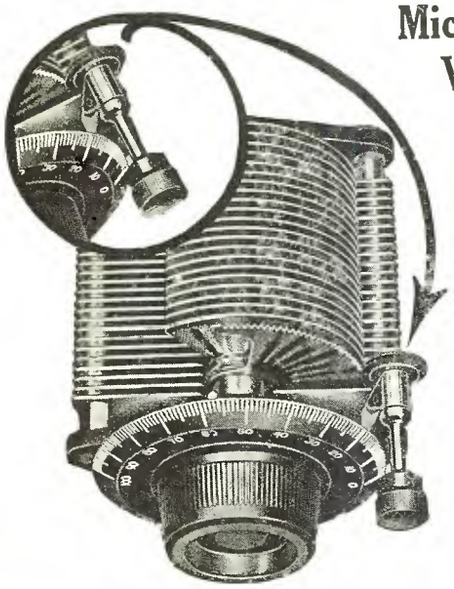

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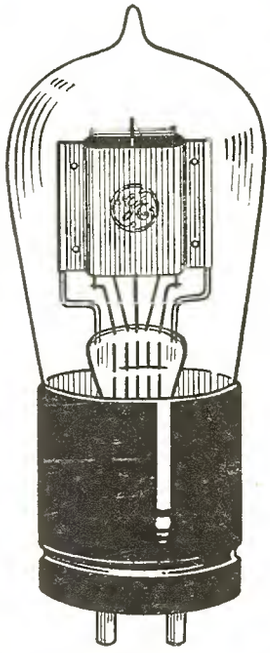

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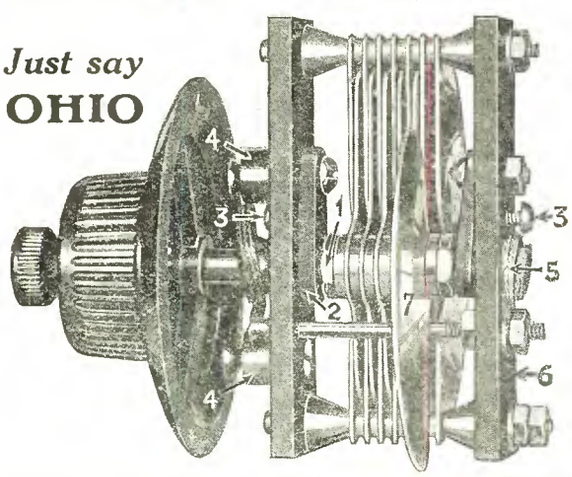

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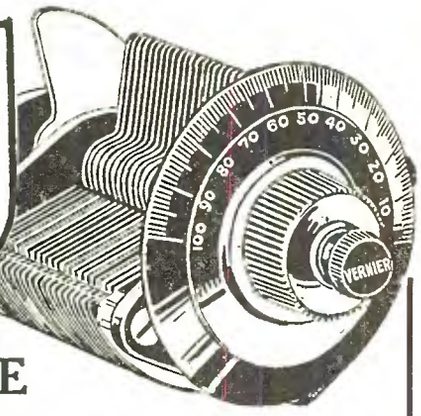

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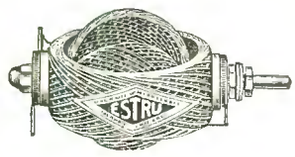

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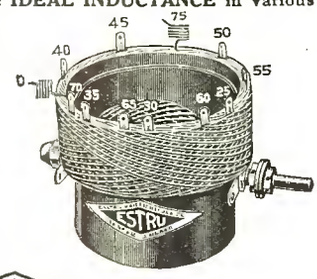

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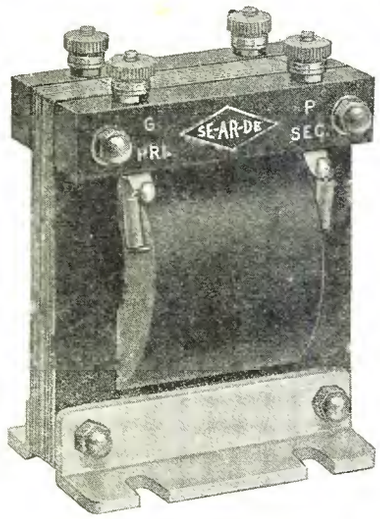

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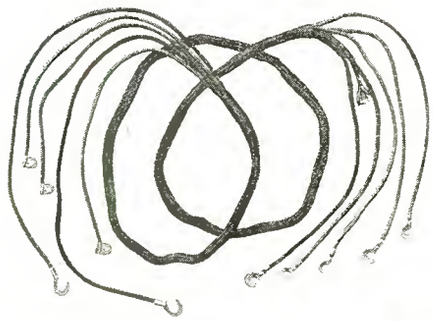

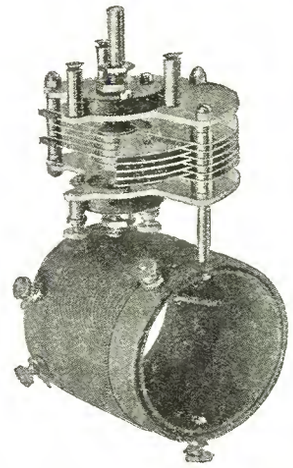

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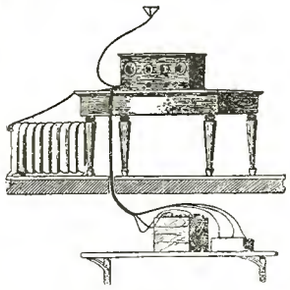

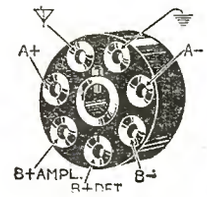

Panel Mounting Type..$4.00
Binding Post Type..... 5.00

The antenna and ground wires are separate leads, but enter the cap as well as the cable which contains two number 16 "A" wires and three number 20 "B" battery wires.

The Jones Multi-Plug and Cable is used by a large number of radio set manufacturers. It is now standard equipment on all Zenith Receiving Sets. Illustrated folder sent on request.

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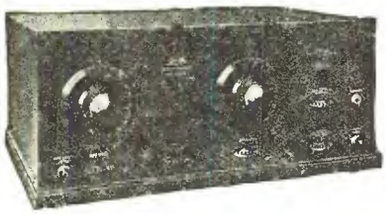

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CR131 led in first 2-way tests (amateur) U. S. and France 95.00
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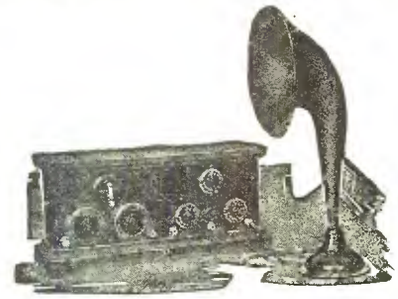

Radiola V.....$142.50
Complete with loud-speaker (less batteries) and other R.C.A. Leaders.

Magnavox, R3 .....$35.00

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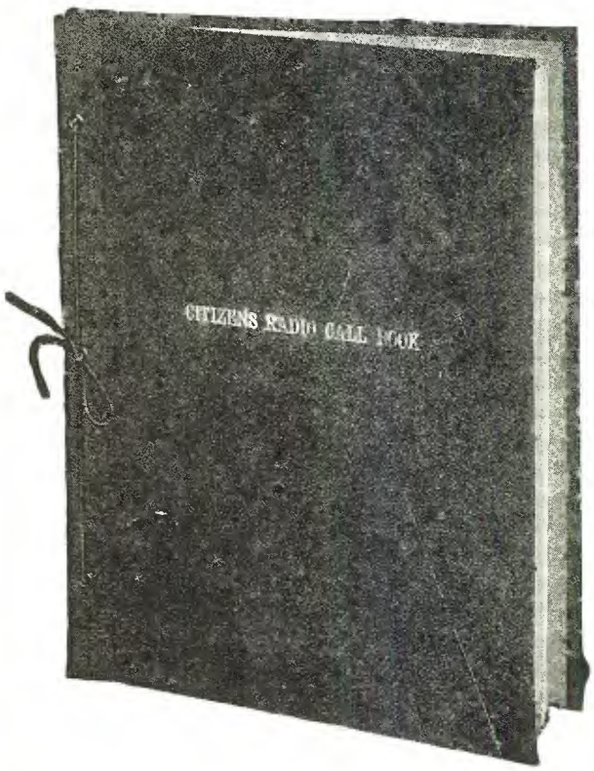

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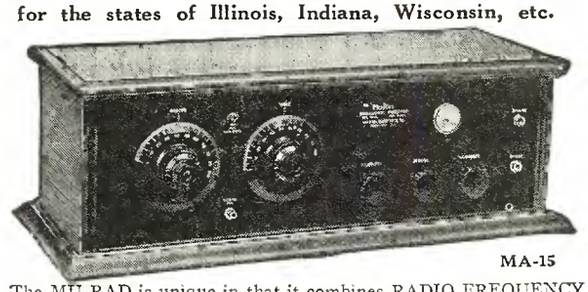

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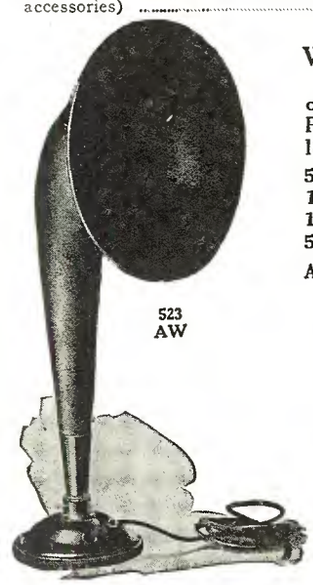

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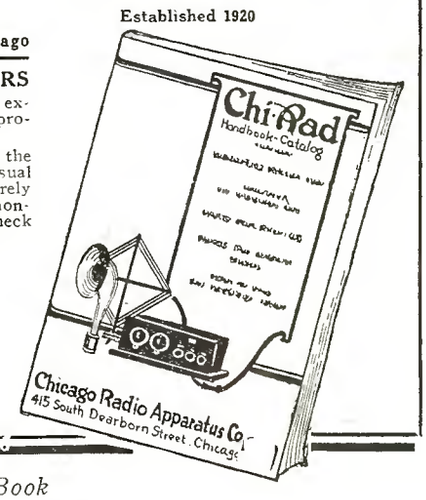

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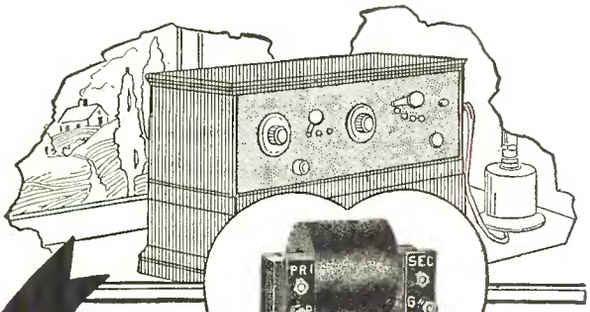

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Radio & Audio Frequency

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"The Heart of a Good Receiver"

PERFECT amplification is the boon you secure when you buy a **Marle Transformer.** Radio impulses are magnified to the uttermost limit without a sign of distortion. True over the widest range of frequencies. Special folders, showing the hookups for standard circuits, sent upon request.

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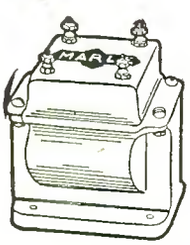

Your Dealer Sells Marle Transformers, or write to us for the names of the nearest Marle dealers.

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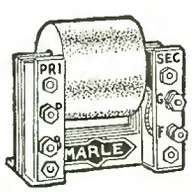
Ratio of 3¾ to 1



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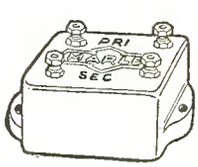
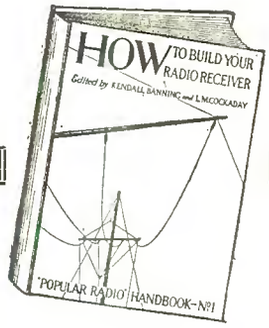


Radio F
Types R1 and R2



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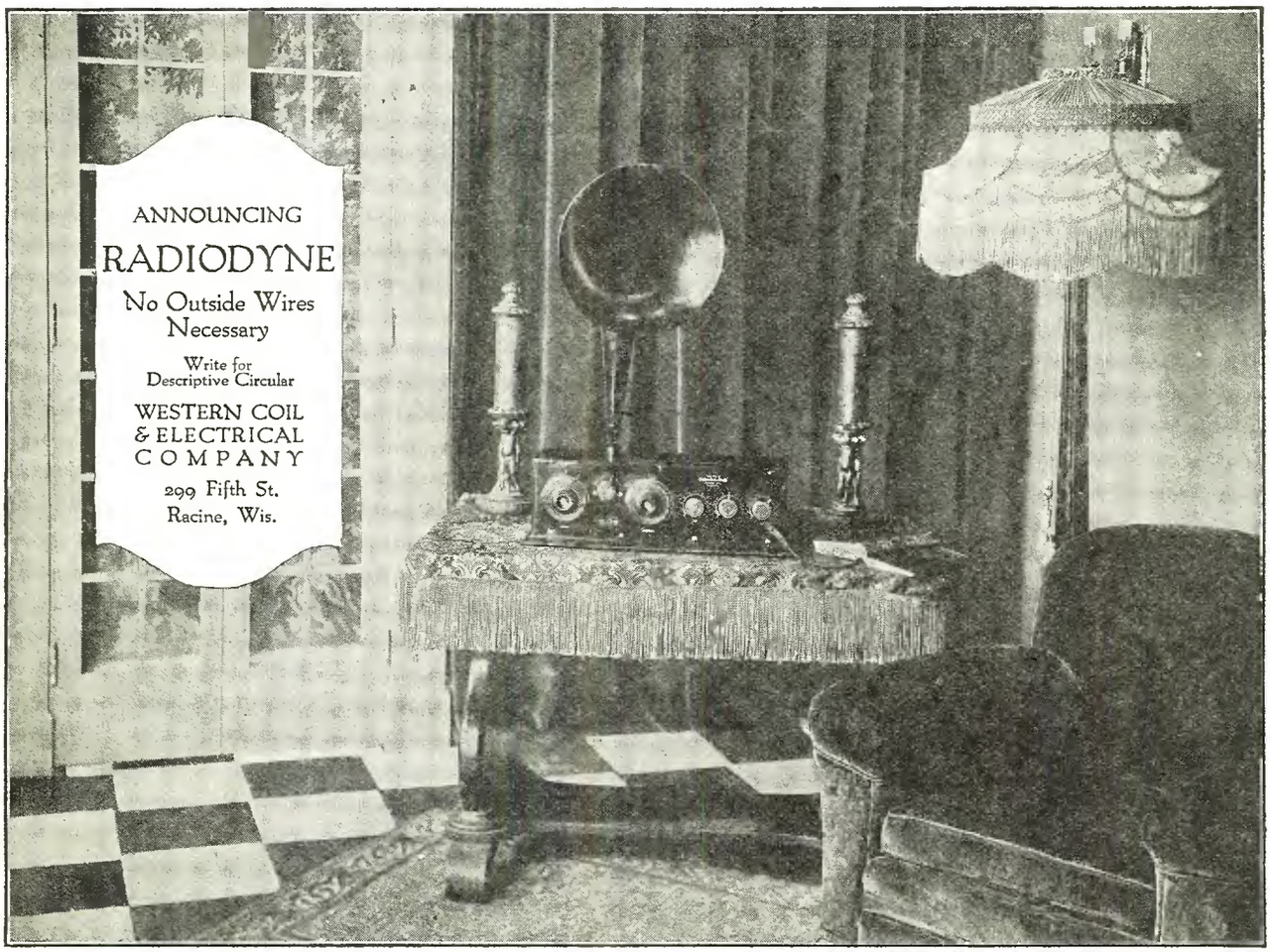

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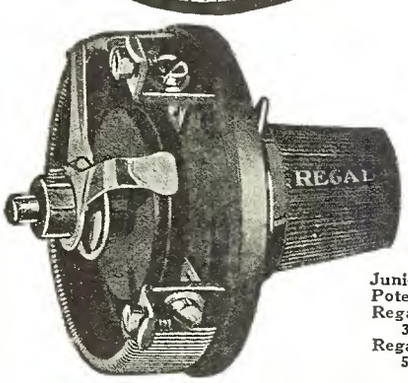

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For fine filament control of tubes and superfine tuning, the Regal Vernier stands alone. Nothing just like it on the market.

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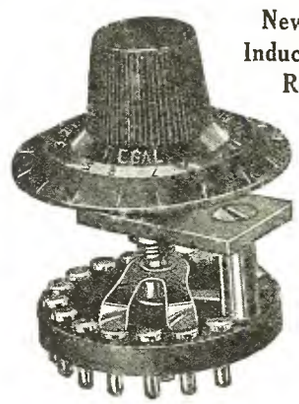

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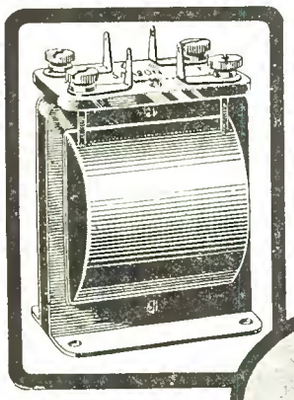

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In six short months the SAMSON won first place among *audio frequency* transformers. Samson *Helical Wound* Coils gave to Samson Transformers the highest possible efficiency by reducing the distributed capacity to an absolute minimum, practically eliminating distortion and increasing the amplification 40%.

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Samson HW-A2 Audio Frequency Transformers will help your set receive at its best. Get them at dealers; or if yours doesn't carry them, direct from us on receipt of price. Write for Bulletin B26 proving Samson's superiority.

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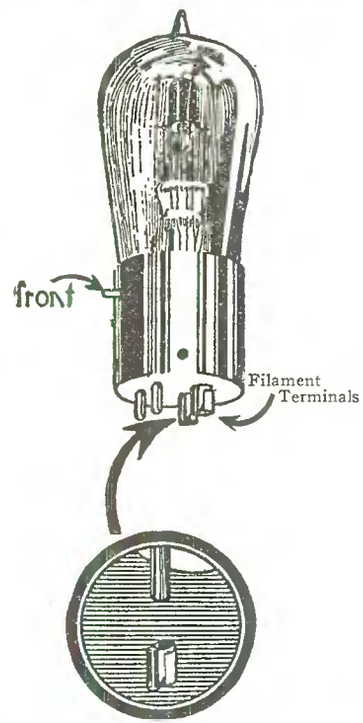
91½% OF ALL RADIO TUBES ARE NEEDLESSLY DESTROYED



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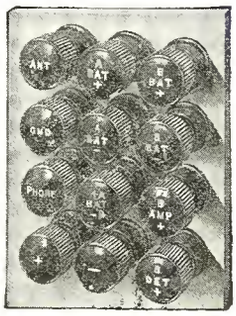

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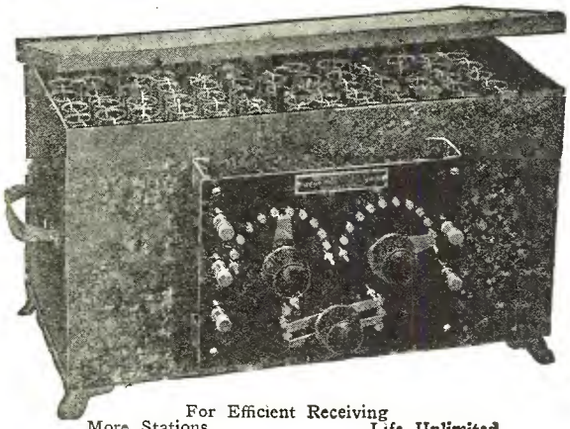

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More Stations	Life Unlimited
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No Dangerous Acids	

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The life of this battery is unlimited. The elements do not deteriorate. You cannot overcharge it. Short circuiting will not injure it. Four hours are sufficient for a full charging, which will last last from one to three weeks. Fifteen minutes' charging will operate your set two evenings.

This battery is a marvel of simplicity, flexibility, economy and efficiency.

The panel arrangement provides for the instantaneous switching to the correct voltage on the detector tube. The correct value of the detector is easily found and more perfect reception results.

MONEY BACK GUARANTEE

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