

13
THE MARCH 1932

RADIO INDEX

WHAT'S ON THE AIR TONIGHT?



25^c

Short Waves on Your Own Set

**Something New — Classified
Index to Programs**

Frontispiece — Frances Shelley, Songstress of Musical Comedy.
Recently appeared in *Vitality Personalities*.

Short Waves On Your Own Set	1
Stations That Died in 1931	3
Radio Lessons in Puzzle Form	5
Colonel Stoopnagle and Mr. Budd	7
What Do You Mean — DX?	9
This Month's Changes	10
Why Good Sets Go Wrong	11
Betty Writes of the Luminaries	14
The Monthly Radio Round Table	19
With the Station Hunters	23
What's On the Air Tonight?	31
A Complete Index by Frequencies	40
A Complete Index by States and Cities	54
A Complete Index by Call Letters	60
Classified Index to the Chain Program	66
Their Time On the Air	67

Published Monthly Excepting July and August
See Subscription Blank on page 22

\$1.75 per Year

25c per Copy

THE RADEX PRESS

5005 Euclid Avenue

Cleveland, Ohio

"Entered as second-class matter April 23, 1931, at the post office at
Cleveland, Ohio, under the Act of March 3, 1879."

Printed in U. S. A.

RADEX Radio Map of North America

The size of twelve pages of RADEX, in two colors, with all the locations of broadcasting stations in every country in North America. Time zones accurately shown. Scale for quickly measuring distance to any station.

The first *real* radio map ever published.

Price, 25 cents, postpaid

Leatherette Cover

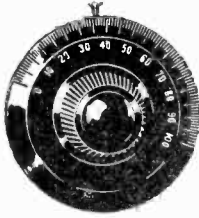
For Your RADEX

A new cover just received. Most beautiful we have ever used. A rich brown trimmed in gold. Large pockets into which the covers of your latest RADEX are easily slipped. Matches the beauty of your set, protects your book and gives you solid backing for making entries.

You'll be delighted with this cover.

Price, 50 cents, postpaid

MARCH 1, 1932

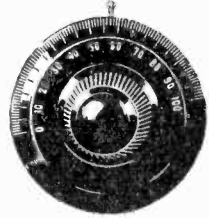


RADIO IN INDEX

REG. U. S. PATENT OFFICE

FRED CLAYTON BUTLER

Editor and Publisher



SHORT WAVES on Your Own Set

by B. Francis Dashiell

AN important development in the modern electric radio field is the recent perfection of the short-wave "converter." This device, which is not new in principle, instantly converts any a. c. broadcast receiver, and more particularly the superheterodyne, into an "all-wave" set capable of tuning to the wave lengths between 10-200, and 200-550, meters. One should not confuse this instrument with the short-wave "adapter," which, having had its period of usefulness, now is becoming obsolete.

Many radio listeners have earnestly wished for some practicable method whereby they could get down into the short waves without discarding efficient superheterodynes or purchasing new "all-wave" receivers. The "converter" now enables the owner of any broadcast receiver to catch the short waves and enjoy the thrills of world-wide radio. The device is simple, and has eliminated the necessity of removing a tube from the receiving set, inserting an "adapter" plug, and changing several short-wave coils whenever different wave lengths are being sought. Complete a. c. converter units may be purchased from about twenty-five dollars up, and several types are offered the public.

The converter consists, as a rule, of a number of short-wave coils in fixed positions, but having a switching arrangement for the different wave bands within the limits of 10-200 meters: a powerpack unit with rectifying (-80) tube; a detector (-24) tube directly coupled to the antenna

circuit; and an oscillator (-27) tube with tuned plate circuits. Tuning condensers are operated by a slow motion single dial control, and all parts are carefully shielded. The power unit plugs directly into the 110-volt electric socket together with the a. c. cord of the broadcast receiver.

In fact, the device really is a tiny heterodyne receiver. Short-wave signals from the antenna are picked up by the detector tube and combined with a



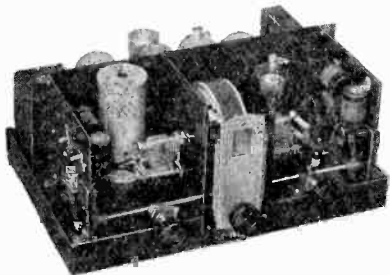
A Typical S-W Converter

different frequency generated by the oscillator tube. The resulting longer wave "beat" frequency, which, in most converters, lies approximately between 600 and 1000 kilocycles, is then passed along to the first detector tube of the superheterodyne set, changed again in frequency, and then through the intermediate radio stages to the speaker.

The converter is attached permanently to the receiver by removing the antenna wire from its terminal and attaching it to the proper post of the

converter. Rearrange the ground wire, and the output of the converter should be connected to the antenna post of the superheterodyne set. The switches of both sets are turned on, and when the tubes have become warm short-wave signals will be a reality.

It is necessary first to tune the large set to a quiet or vacant wave channel close to the frequency region of 650-700 kilocycles. This is done by throwing the converter aerial switch from short-wave to broadcast-wave reception—a position always used when regular reception is desired—and carefully tuning *between* any two faint and distant signals. Change the switch over to the short-wave position and tune in the stations with the converter dial *only*. But once a short-wave signal is picked up, the dial of the superheterodyne receiver may be used for critical adjustments as it then possesses a marked vernier tuning effect.



The National NC-5 S-W Converter contains two -55s, one -24, one -27 and one -80. Coils for the various bands are selected by switches. Various colors on the illuminated drum-dial indicate which coil is in use.

Short-wave converters are remarkably stable in operation, and stations may be logged time after time without material difficulty. Once the larger receiver is critically adjusted it may be marked and reset in that position whenever the converter is used. Short-wave reception demands great patience and sharp tuning, and oftentimes the least perceptible motion of the dial is sufficient to pass over a station. Volume is regulated by the control device on the broadcast receiver. A good superheterodyne set, together with an efficient converter, will provide an all-wave receiver combination capable of excellent DX reception even in broad daylight hours.

The short-wave converter, since it contains its own power supply, may be used in connection with any radio set of sufficient power—neutrodyne, tuned radio-frequency, or superheterodyne, no matter whether operated by alternating current or batteries. In most cases the receiving set should be set to approximately 550 kilocycles, which is at the extreme high end of the dial, and all tuning done with the single dial control of the converter. No difficulty should be experienced, and the method of tuning is very simple.

(*Editor's Note:* Converters of the type described are manufactured by the following firms: The Pilot Radio Corp., Lawrence, Mass.; Hammarlund-Roberts, Inc., 424 West 33rd St., New York City; National Company, Inc., 61 Sherman St., Malden, Mass.; Stewart-Warner Corporation, Chicago, Ill. When writing, be good enough to mention RADEX.)

That Long-Wave Receiver

See Page 28 February RADEX

SEVERAL readers have written for further information in regard to the construction of the simple long-wave converter mentioned in the February issue. To such, Mr. Dashiell has written as follows:

A typographical error stated that a .005 capacity condenser should be used; this should have read .0005 mfd.

Either the Ux -99 or the -30 base may be used; the latter requires less "A" battery.

A grid leak of about three megohms resistance and a grid condenser of .00025 mfd. capacity will be satisfactory.

The rheostat may have 30 ohms resistance but one of 15 ohms will give a wider range of variation.

The condenser connected across the telephone tips should be .001 mfd. capacity.

The coils suggested were honeycomb wound. They may be obtained for different wave lengths, but the coils suggested cover the longest waves and great arc stations which are more interesting to listen to. You may get coils with turns as follows:

(Continued on page 4)

STATIONS that DIED in 1931

TWO dozen broadcasting stations in various parts of the country were ordered off the air by the Federal Radio Commission during 1931. About a dozen new stations were authorized to be constructed out of a thousand or more applications, most of them local low-power affairs in communities regarded as not receiving adequate radio service. The new year found exactly 608 stations under license in the United States, a rather substantial decrease from the peak of 733 when the Commission took over the regulation of the American ether five years ago.

Led by Maj. Gen. Charles McK. Saltzman, its chairman, an unrelenting foe of the "bad actors" of radio, the Commission during 1931 embarked upon a "cleanup" of the broadcast wave lengths designed to free them of the technically inefficient and those deemed to failing to meet their public service obligations. By some the Commission's new belligerent policy is regarded as an arbitrary usurpation of its authority under the law, while others look upon it as a wholesome thing for radio in that it may keep broadcasting in the hands of trustworthy and public-minded enterprisers. That many others will be eliminated during 1932 is freely predicted here.

If it has done nothing else, the Commission's policy has placed almost all broadcasters on their mettle to guard against inefficient operation and insufficiencies in their service to the public.

Weeding the Inefficient

Eight of the stations ordered off the air are still broadcasting, pending the outcome of appeals to the courts. Other appeals are certain. One—KGEF, Los Angeles, formerly operated by the Rev. Robert P. Shuler, militant pastor—has appealed to the United States Supreme Court on the free speech issue. In the meantime, however, it must remain silent, having failed to secure relief from the lower courts.

Latest to feel the ax were WOQ, of the Unity School of Christianity, Kansas City, which last week was ordered to

Broadcasters Shrink from 733 to 608

relinquish its time to KFHH, Wichita, with which it has been sharing a wave length, soon after January 1. It is certain to appeal. Also deleted last week, effective immediately, is WMAK, Buffalo, N. Y., now silent but also preparing an appeal. The former was ordered off the air to give its time and quota to an under-quota status of Missouri and because Kansas City is regarded as adequately served already. The Buffalo station was ordered off for failure to meet certain technical standards.

Like the Shuler station and like the Brinkley station at Milford, Kansas, which lost its license last year—only to lead its owner, Dr. John R. Brinkley, to go to Mexico and build a 75,000-watt station there to serve the American audience. Station KTNT, Muscatine,



Jane Carpenter, Queen of the Chicago Radio Show. A recent "find" of WBBM, Chicago key of the CBS.

Iowa., was taken off the air this year because it was being used as a "personal mouthpiece." It failed to secure even temporary relief upon appeal and remains silent as its owner, Norman T. Baker, appears unable financially to press the appeal further in the courts.

Clearing Wave for WCKY

Ordered silenced also, and still silent, are WMBJ, Pittsburgh, the Rev. Sproul station which failed on appeal and whose time was given a new 100-watter, WWSW; WJAZ, Chicago, the Zenith Radio Corporation station whose time was allocated WCKY, Covington, Ky.; KFQW, Seattle, which failed on appeal; WIBR, Steubenville, Ohio, found to be operating contrary to regulations; WMAF, Round Hills, Mass., whose owner practically surrendered his license voluntarily; WMAY, St. Louis, a church station that had used another station's transmitter and possessed only "phantom" call letters; KZM, Hayward, Calif., for technical reasons; KFHA, Gunnison, Col.; WBBS, Boston, and KPSN, Pasadena, Calif. The last named is one of the few newspaper-owned stations to leave the air; it did not appeal from a Commission decision deleting it for inadequate technical equipment. Station KFQU, Holy City, Calif., operated until last week pending a court appeal from an order taking it off the air for poor service; it is now silent.

The Commission also refused to license KPFW, Los Angeles, planned as a high power educational station, when its promoters revealed that they had insufficient support for its authorized construction. Two stations which gave up the ghost voluntarily were WSSH, Boston, a church station which surrendered its time to WAAB, in the same city, for the consideration of specified periods on the air, and KFIU, Juneau, Alaska, which could not stand the strain of continued operation.

Ordered off the air but still operating pending appeals were WIBO and WPCC, Chicago, whose time was allocated WJKS, Gary, Ind., because Illinois is over quota in radio facilities and Indiana under quota; WCHI, Chicago, operating under a Chicago court's order staying a Commission decision based on its al-

leged broadcasts of questionable medical advice; WNJ, Newark, and WKBO, Jersey City, whose time was ordered turned over to WHOM, Jersey City, because of the latter's alleged superior service; WLBX, Long Island City, for failure to provide public service; and WMBA, Newport, R. I., for poor technical and program showing.

All the appealing stations have a chance to retain their licenses if the courts so rule. So have a dozen or more other stations cited for inefficient operation or other causes, whose operators must appear at hearings before the Commission to show cause why their licenses should be renewed. Many of the latter group have improved their equipment or service and will undoubtedly win renewals, even though they are now operating in durance.

Consolidations Help Reduce

There were a number of consolidations during the year which took a few more stations off the air. WGBC, Memphis, merged with WNBR, Memphis; WHDI, Minneapolis, with WDGY, Minneapolis; and WISJ, Madison, Wis., with WIBA, Madison. Early in the year the Commission authorized WCSO, Springfield, Ohio and WFJC, Akron, to merge and form WGAR, Cleveland, now on the air with 1,000 watts. Most of the stations that felt the Commission's ire during 1931 are in the low power category, only WIBO, Chicago, having as much as 5,000 watts.

The Long-Wave Converter

(Continued from page 2)

- 100 turns for wave lengths 500 to 1500 meters;
- 350 turns up to 5000 meters;
- 1000 turns up to 10,000 meters;
- 1250 turns up to 20,000 meters;
- 1500 turns up to 27,000 meters.

Only a single coil is used at a time and is stationary, for the circuit described is a simple long-wave outfit.

It is possible to use another coil in series with the plate of the tube and arranged so as to be movable to and from the larger stationary antenna coil. In this way the plate coil acts as a tickler and makes the receiver considerably more sensitive through its regenerative action.

RADIO LESSONS in PUZZLE FORM

Do You Know
Your Calls?

IS it the simple puzzles that stick our readers? Numbers 1 and 3 in January gave them no trouble at all but a great many fell down on No. 2. KGFG, WWSW and XFX seemed to be the calls that most of them missed. Many did not find two F's in the sentence and therefore included the large number of calls containing two of this letter.

February Answers

No. 1 was capable of being solved in a great many ways; one correct solution being as follows:

LEAF	STEM	LIMB
WEAN	KTSM	WSMB
WTAM	KTAB	WSAN
WTEL	KGMB	WAAF
STEM	LIMB	LEAF

No. 2 was likewise correctly filled in with at least six different calls. Those used by the designer, Forrest Moore, were as follows:

CKCK
WHFC
CKWX
CKMC

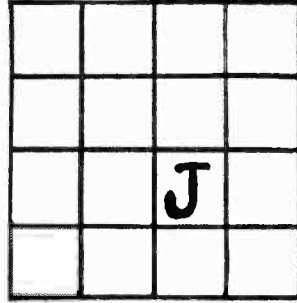
but the following calls could also be used in the second vertical column: KERN, KFIO, KFDM, KARK and KFXF.

No. 3 calls, horizontal, were as follows:

1 KWKC, 5 CKCK, 9 WISN, 13 KOOS, 17 WWJ, 20 WROL, 24 WOL, 27 WCAC, 31 KPJM, 35 WSBC, 39 WCBF, 43 KOB, 46 AA, 48 WLB, 51 KFRC, 55 WNAC, 59 WOWO, 63 WMBR, 67 KOCW, 71 CFCF, 75 WHAM, 79 WJKS, 83 WNAX, 87 WWAE, 91 WMT, 94 SM, 96 KMJ, 99 WMMN, 103, WPCC, 107 WMBA, 111 CKLC, 115 WHK, 117 KWK, 119 KWEA, 122 KOA, 125 WOOD, 129 CMHC, 133 WASH, 137 WCCO.

The March Puzzles

Just as an appetizer we give for the first course this month a very simple little problem which we will call the "J" puzzle. So far as we have been able to find, it can be solved in only one way,



but we may be wrong. "We hope you'll like it." Four calls read horizontally, left to right, and four read down, no calls reversed and none used twice.

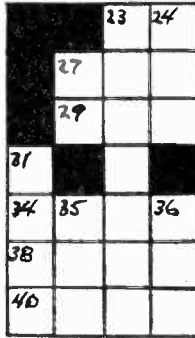
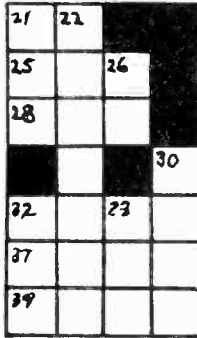
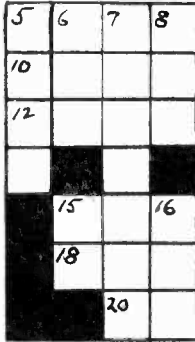
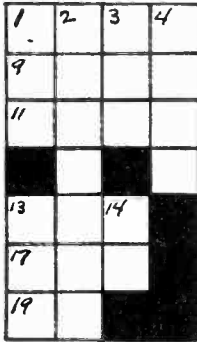
No. 2 comes from Fred Pheasey, Victoria, B. C., who writes: "Most of your readers who are interested in puzzles have no doubt encountered the so-called magic square in which numbers are so arranged that every column and row and each of the two diagonals, shall add up to the same total. My puzzle conceals nine station calls whose identities can be determined at once if their respective frequencies are arranged in the form of a magic square. The dashes represent missing letters. If the frequency of each station is placed in the same square as the call, the vertical,

CJ__	KV__	WO__
__	__	__
WO__	WI__	CK__
__	__	__
WC__	WD__	GM__
__	__	__

horizontal and diagonal rows will all add up to 3540." Mr. Pheasey guarantees, while several calls begin with the initial letters given, that only the desired one has the frequency that will add up to the total of 3540.

No. 3 was designed by Raymond Corbett, Sacramento, Calif., who names

it the "Problem of the Four States." Station calls are to be filled in as shown so that the name of a state will appear reading downward in each of the four vertical columns.



Across

- 1 Radio entertainments.
- 5 On 1200.
- 9 Around zero.
- 10 A railway system.
- 11 City is a man's name.
- 12 On 1420.
- 13 Only chain station in the state.
- 15 Ditto.
- 17 On 1500.
- 18 Shares with three others.
- 25 A state university.
- 27 Only station in the state.
- 28 Last three of a CBS.
- 29 A red outlet.
- 32 Owner has two in same town.
- 34 Town named for imaginary line.
- 37 Three 100-watts in this town.
- 38 Last three letters indicate state.
- 39 Another red station (Reverse)
- 40 On an odd frequency.

Down

- 1 A blue outlet.
- 3 Owned by a great store.
- 4 Owned by a public utility (reverse)
- 5 Commission is clearing wave for this.
- 6 A Columbia on the coast.
- 8 On 1000 (jumbled).
- 13 One of two NBC in the state.
- 16 A synchronized station.
- 21 A Catholic school.

- 24 101 watts.
- 30 Down but not out.
- 31 On 1370.
- 32 Only station beginning with these letters.
- 33 On 1310.
- 35 Last three of municipal station.
- 36 First three of six Canadians.

Correct calls all appear in the February RADEX. Get the answers to these three problems to us by March 20th and receive a copy of the April issue or the radio map free. Subscriptions will be extended one issue when request is made.

A Difference in Watts

Rudolph Kure, 301 Warner St., Cincinnati, Ohio, reports that a verification from KGGM, Albuquerque, N. M., shows an increase in power from 250 to 500. Many other readers call our attention from time to time to discrepancies between the power shown in RADEX and that shown by letterheads of stations. In their publicity matter, stations invariably give their power at their maximum, the daytime rating, while this magazine uses the night rating with the plus mark showing greater power during daylight. Mr. Kure reports a new police broadcaster in Shreveport, La., KGPY with 100 watts on 1574 keys. operated by the Louisiana State Bureau of Identification.

SEMI-INTRODUCTORY OFFER



We need immediately 100,000 users the country over to tell their friends of the improvement of using Pentode tubes in place of 245's, particularly in sets using 245 push-pull.

There is a tremendous improvement in depth of tone and set sensitivity. The improved amplification brings in weak signals.

The Pentode Tube is inserted in Na-ald 954KPC adapter and the adapter put in the socket in the set. No change in wiring.

Money back—Adapters list at \$1.00—But for the first ten people that order from any town we will send two adapters for \$1.00 or—two pentode tubes and two adapters postpaid for \$3.00.

If after trying them in your set, you are not more than pleased with the results, return your purchase any time within five days and your money will be instantly refunded.

This ad probably will not appear again. Order today.

ALDEN MANUFACTURING COMPANY
719 Center St. Brockton, Massachusetts

COLONEL STOOPNAGLE and Mr. Budd

IN days when the Great Depression billed in a disappearing act would thrill the audiences of Barnum, it seems that comedy on the air is winning all popularity contests. Laugh-getters write their own checks in this era of low blood pressure and falling quotations. That, perhaps, explains the indelible smile on the youthful faces of those two fun jugglers—good old Colonel Lemuel Q. Stoopnagle and Budd.

These Gloomchasers have recently signed a brand new agreement with Proctor & Gamble to dispel the clouds on a commercial for Ivory Soap. They will broadcast Monday and Wednesday evenings at 8:45 over the Columbia System. As the contract runs for a year with a three-year renewal option, they will not have to worry about unemployment, salary cuts, or lay-offs. And their old friend, Louis Dean, will be with them as announcer.

"Tell me the history of Colonel Stoopnagle," I said to Chase Taylor, his creator and impersonator in the series. "Did you ever know a real Stoopnagle?"



Pinch-hitting for Eddie Cantor on Chase & Sanborn, Sundays at 8:00 p.m., George Jessel will demonstrate the humor that made him a great stage star.

Radio's Clowns
by Susie Sexton

Why is he such a laugh-getter on the air?" The Colonel's generous and kindly figure was outlined against a red leather armchair in the anteroom of the studio. His merry eyes twinkled.

"I don't remember exactly how or when I created the character," he said. "He was built up gradually in my own mind. The Colonel, you know, is easily recognized as a prototype of the little fellow with big ideas of his own importance. All of us like to laugh at him and do so often. My intention in writing the Stoopnagle sketches was to minimize the importance of the fellow who thinks he is important. And to put the little fellow up on a pedestal by using him constantly to poke fun at the Colonel's pretensions, just as Budd does on the air."

"But why a Colonel?" I asked. "Why not a First Lieutenant or one of those post-war Majors?"

First lieutenants and majors have been laughed at so much that they are old gags now. Anyway they would not convey my idea exactly. The Colonel is half-way between a private and a General. When he arrives at that rank he just misses being the really big fellow with authority. Yet he feels twice as important as any General or Admiral and tries too hard to give that impression. To the rest of us who, in all probability, will never be Colonels, he seems pompous, overbearing and a bore, with his self-glorification.

"Stoopnagle is just a manufactured word. It occurred to me one day while I was writing a sketch. I used it several times and the morning Budd and I gave the first impromptu Gloomchaser program to fill in fifteen minutes left open on the air I used it as a name for the present character. People like the name Stoopnagle because it can be twisted and turned into any number of funny combinations. Our fan mail has contained over 250 versions of the name in the last two years.

"Another feature of the Colonel that makes an audience laugh is the way he breaks down and cries every now and then. The combination of pompousness in a Colonel and the tendency to burst out crying without any provocation stamps Stoopnagle as a great big boob. Everybody laughs at a boob. Now if Phillips Lord in his character of Seth Parker started to cry we'd all think it was too bad. Stoopnagle gets a guffaw instead of sympathy."

"Isn't radio comedy harder to put across than any other kind," I asked.

"Yes, I suppose it is," he continued. "Radio script writers must have imagination above all things and be able to put over a word picture that by itself will conjure up a mental image as amusing as that presented with the vaudeville comic's grotesque make-up or the screen actor's gymnastics, facial or otherwise."

Wilbur Budd Hulick, who is Budd of

the Gloomchasers series, came in just then from his home across the street. He is slight and blonde, with an alert, keen face and the general air of a progressive young business man.

"How long have you and Budd been giving imitations?"

"I think we were the first ever to give them on the air," responded Mr. Taylor. "My imitation of Calvin Coolidge is six or seven years old. As a matter of fact, during Mr. Coolidge's administration the Federal Radio Commission stepped in and sternly put an end to my Cal antics as being too realistic."

"Will you continue your imitations," I went on.

"No," he said. "Everybody is doing imitations now. So we are changing to interviews."

"How about Newton and Mr. Bopp?"

"They are the most popular of the thousands of other characters in the sketches. At least judging from our fan

mail. All of us know at least one Mr. Bopp, the fellow who makes a lot of noise whenever he opens his mouth. There is something of Bopp in the best of us, too. Recently a fan in New York wrote us: 'It occurs to me to tell you that Mr. Bopp should know he has relatives in the world. Thus taking it upon myself to inform you there are such people in our huge city.' He included the names and addresses of numerous Mr. Bopps answering to the names of Andrew, Frederick and two Walter F's, also mentioning the Bopp Market, Inc. 'I hope,' he concluded, 'that these names will aid Mr. Bopp in finding his relatives in New York.'

(Continued on page 30)



The humor of the Gloomchasers is so droll and unforced it is infectious. Here they are in one of their skits.

What Do You Mean, DX?

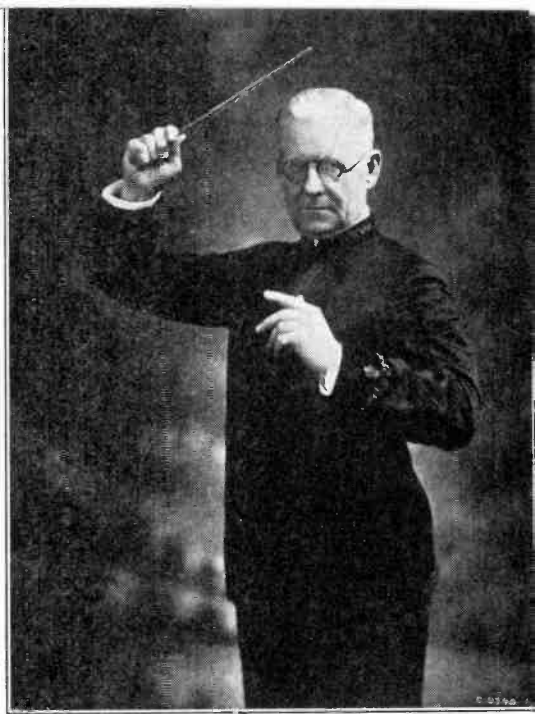
NEW readers are constantly joining the "family" and are puzzled at some of the terms so common to the rest of us. "Just what is DX and a DX program?" is the query that comes to us often. So we must address ourselves occasionally to these new readers and re-explain that which is so very well known to our older readers.

DX is the great indoor radio sport. It belongs in the category of "collecting," that hobby that finds its willing victims among all people of more than three years of age and less than 110. The science of radio has given us the opportunity of sitting in our own homes and visiting hundreds of other cities in all parts of the world. DX, which is the radio abbreviation for long distance, is the game or hobby of seeing just how many different radio stations one can tune in on his set. Only those stations should be counted whose calls are distinctly received and the DXer is on his honor as he is in solitaire or golf.

DX programs are those received from a long distance and Special DX programs are those put on by broadcasting stations purposely for DXers distant from the station. Notice of these special programs is given in RADEX from time to time as well as in many newspapers, particularly those which sponsor radio clubs of their readers. These clubs arrange with the stations for special DX programs and notice is sent to their members either by mail or through the newspaper supporting the club. Some radio stations give DX talks similar to these articles you are reading.

Meaning of the Symbols

Those stations marked in the Index by Frequencies have advised us that it is their custom to welcome notices of reception from their listeners. Those marked with an asterisk (*) will verify such reception if it proves to be correct, by letter or card providing postage is sent or by a so-called "Ekko" or other station stamp when ten cents is enclosed. These letters are called verifications and are collected by some DXers as the proof of their reception of such stations. The



When the drums rum-a-tum-tum. Arthur Pryor 1 of the Goodyear Program. Saturdays at 9:00 p.m. EST on the NBC.

stamps too are collected, but these are not always a clear proof of reception as these stamps can be bought through exchanges similar to used postage stamps.

When mailing postage to stations, United States stamps should not be sent to other countries as they cannot, of course, be used there. It is best to send pennies, three to Canada and two to Mexico and Cuba. For distant countries international reply coupons can be purchased at any post office.

Although practices in DX work vary, certain rules governing the game have grown up. RADEX recommends the following: A station may be counted only once except those having two or more sets of call letters such as WFLA and WSUN, which may be counted as two stations when both have been received. A station changing its call letters should not be counted a second time, but those moving to another city may be counted as a new station.

This magazine contains a great deal

of information of aid to the DXer. The information given in This Month's Changes shows those which have moved to new locations and hence may be logged again. Those increasing power give the DXer another opportunity to receive them. The data in Time On the Air gives the hours during which the station may be received.

With this explanation our new readers should readily understand references to DX sets, DX weather and similar cryptic remarks and we hope many of them will join in this intensely interesting hobby.

Edward Friedman, Jr., 92-13 Boulevard, Rockaway Beach, L. I., N. Y., lists those stations which are on the air at regular intervals with DX tips as follows for those clubs shown:

WMAQ, Mondays at 11:45 p.m., for the Chicago Daily News DX Club.

WBEN, Thursdays at 12:00, for the Buffalo Evening News DX Club.

WAAT, Saturdays at 5:00 p.m., for the Newark News Radio Club.

KQV, Sundays at 1:30 a.m., for the World Radio Listeners Club.

WTAG, Sundays at 1:00 a.m., for the Radio Listeners Club of Central New England.

In writing for verifications, it is necessary to give sufficient information regarding the program to convince the station beyond any doubt. Give the frequency on which received, the time, the time zone, the titles of songs, the words of announcements and other pertinent information. Stations will not verify upon such claims as "man talking" or "woman singing." Be sure to enclose the necessary postage or remittance and sign your name and address clearly.

In the April RADEX

A new list of the world stations is now on the way to us from Berne, Switzerland, for the next issue. Susie Sexton will have another of her interesting yarns, this time on Station KUKU.

This Month's Changes

		Owners	
1200	KERN	Bakersfield, Calif., to Bee Bakersfield Broadcasting Co.	
	KGY	Olympia, Wash., to KGY, Inc.	
1340	WCOA	Pensacola, Fla., to Pensacola Broadcasting Co.	
1370	KFJZ	Fort Worth, Texas, to Ralph S. Bishop.	
1430	WHFC	Rochester, N. Y., to WHEC, Inc.	
1460	WJSV	Alexandria, Va., to WJSV, Inc.	
1500	KGKB	Tyler, Texas, to East Texas Bdctg. Co.	
		Frequencies	
620	HIX	Santo Domingo, D. R., from 669.	
745	CJCA	Edmonton, Alta., from 930.	
911	TICR	San Jose, C. R., from 900.	
980	T14NRH	Heredia, C. R., from 948.	
1210	KFJI	Klamath Falls, Ore., from 1370.	
1240	KTFI	Twin Falls, Idaho, from 1320.	
1315	KEFB	Monterrey, N. L., from 1270.	
		Location	
1120	KRKD	Los Angeles, from Inglewood, Calif.	
1180	KOB	State College, N. M., from Albuquerque, N. M.	
1200	KGY	Olympia, Wash., from Lacey, Wash.	
1210	KFJI	Klamath Falls, Ore., from Astoria, Ore.	
1500	KCMC	Texarkana, Ark., from Tupelo, Miss.	
		Power	
618.5	KZRM	Manila, P. I., 50 000 to 1000.	
660	CJRW	Fleming, Sask., 500 to 1000.	
980	T14NRH	Heredia, C. R., 75 to 15.	
1200	KGY	Olympia, Wash., 10 to 100.	
		New	
610	VPN	Nassau, B. I.	
810	VOAS	St. Johns, N. F.	
950	VONA	St. Johns, N. F.	
1155	10-AT	Trail, B. C.	
1370	....	Clovis, N. M.	
		Deleted	
630	CHCS	Hamilton, Ont.	
770	WJBT	Chicago, Ill.	
1370	WPOE	Patchogue, N. Y.	
1450	WKBO	Jersey City, N. J.	
1490	TJW	Hamilton, Bermuda.	
		Calls	
911	TICR	San Jose, C. R., from TIC	
1120	KRKD	Los Angeles, Calif., from KCMC	
1500	KCMC	Texarkana, Ark., from WDIX.	
		Reinstated	
830	WGM	Jeannette, Pa.	
1420	WBDL	Tupper Lake, N. Y.	
		Chains	
770	KFAB	Lincoln, Neb., new CBS.	
1230	WSBT	South Bend, Ind., new CBS.	
1320	KGMB	Honolulu, Hawaii, new CBS.	
1390	KOY	Phoenix, Ariz., new CBS.	
		Heard On Other Waves	
CHNS	Halifax, N. S.	815 on 1050.	
CKWX	Vancouver, B. C.	730 on 885.	
CMBD	Havana, Cuba	965 on 960.	
CMBL	Havana, Cuba	1500 on 1444.	
CMC	Havana, Cuba	842 on 722.	
CMCJ	Havana, Cuba	620 on 630.	
CMCU	Havana, Cuba	1235 on 1265.	
CMW	Havana, Cuba	588 on 580.	
KGY	Olympia, Wash.	1200 on 1210.	
XEG	Mexico City, Mex.	1320 on 1070.	
XFJ	Juarez, Mex.	1000 on 995.	
XEN	Mexico City, Mex.	711 on 705.	
XEO	Mexico City, Mex.	940 on 935.	
XETA	Mexico City, Mex.	1140 on 1150.	
XEV	Puebla, Mex.	1000 on 755.	
XEW	Mexico City, Mex.	910 on 780.	
XEX	Mexico City, Mex.	1210 on 1205.	
XEY	Merida, Mex.	1000 on 750.	

WHY GOOD SETS GO WRONG

By the Technical
Editor

Set Cannot Be Turned Off

My Amfco receiver cannot be shut off when the electric cord is inserted in the light socket in one position, but if the plug is reversed the set works as usual. Why is this, and is there any danger?

There is considerable likelihood of your local lighting circuit being grounded on one side. This is rather common practice in some localities. Place a 110-volt bulb in a socket, and connect one side to a water pipe and touch the other wire to either of the two clips in the light socket in the wall, to which the radio is attached. If either wire is grounded it will show by not lighting the lamp.

It is also evident that your set, either through design or mistake, is grounded some way at the power switch or one of the two wires leading to the primary coil of the power transformer. If the set is defective, it should be repaired at once. When the plug is inserted in the socket so that the switch on the set is in the grounded side of the lighting circuit the receiver cannot be turned off. Reverse the plug, and the switch becomes operative. Under such conditions it is possible to get a shock from the metal of the receiver, and, therefore, the trouble should be remedied.

Causes of Fading

What is the cause of fading, and can this annoyance be eliminated?

Fading, in most cases, is a natural phenomenon and cannot be controlled. Some scientists believe it occurs when the Heavside Layer, that great outer blanket of ionized atmosphere, heaves and tosses in great waves like a restless sea. The rising and falling of the surface, which exists from 75 to 150 miles above the surface of the earth, changes the angle of reflection of radio waves and increases or decreases the intensity of the signals being received.

Then, too, there is fading caused by interferences between stations. Swinging

aerials, and variations in electric power, frequently cause serious fading.

Radio receivers using automatic volume control eliminate much of the annoyance of fading, for, when the signal weakens, the volume automatically rises to take care of the loss in signal strength. Line voltage control, in the form of a device that is connected in series with the power electric line feeding the a. c. supply to the set, also tends greatly to reduce fading caused by electric variations below the normal voltage in the lighting circuit.

Battery Set and 2-Volt Tubes

I have a Kolster 6-D battery set using -01A and -71A tubes. I am anxious to change this set over to the new 2-volt tubes. At present I use three cells of my Delco power and lighting plant to supply the radio set with the necessary six volts.

You can easily change over to the 2-volt tubes, substituting -30s for the -01As, and a -31 for the -71A. This -31 power tube will require 22.5 volts on the negative C bias, but the -30s will use



Bing Crosby of the obligatto improvisations, one of radio's popular baritones.

the same as now on some of the -01As. It will be necessary to make this change in the C battery.

You can operate the set from a single cell (2 volts) of the Delco storage battery outfit instead of from three as at present. The battery rheostat of the set must be turned on full way, and there is a 1-ohm resistance between the rheostat and the last three tubes of the receiver which must be replaced with a piece of wire.

The set will consume less "B" battery current when the 2-volt tubes are used. Perhaps it will not be quite so effective as when the 6-volt tubes were used, but you will notice very little difference in sensitivity.

-12A Versus -71A Tubes

I have used a -71A power tube in the last stage of my battery set, but, recently I substituted a -12A tube which did not work well, and sounded choked and distorted. Why was this?

These two tubes required different "C" battery voltage, or grid bias. The -71A tube must have 27 volts C battery when 135 volts "B" battery are used, but the -12A tube will fail to operate at the same C voltage. The latter tube requires but 9 volts C battery for 135 volts on the plate, or B battery.

Poor Reception in Automobile

I have a Philco Transitone receiver that does not bring in stations during daylight hours from some distance. How can I attach headphones to this set so that I can pick up the more distant stations?

Naturally you cannot expect to receive distant stations during daylight hours with an automobile radio. The limited aerial and non-grounded capacities preclude reception from afar.

You can place headphones in the set, and, while they will better enable you to concentrate upon weaker signals, they will not perform miracles. Arrange to connect the headphone cords across the primary coil of the loud speaker output transformer, which latter device remains in the circuit without change and operates weakly when the headphones are in the circuit. You may attach a telephone jack so that the headphones can be plugged in at will.

Rebuilding Old Model Receiver

I have an old model 40 Atwater Kent receiver, and I wish to change it over so it will be up-to-date and capable of doing first-class DX work.

There is no way by which you can rebuild your set and make it more sensitive for DX reception. New tubes, such as the -35s and -47 pentodes cannot be used in the circuit. A complete overhauling may be necessary. Clean out all dust and dirt, using ordinary pipe cleaners to get in between the plates of the variable condensers. Have the tubes tested, and if necessary get a new set of four -26s, one -27, and one -71A. An -80 rectifier tube should be used in the power unit of the set.

Most likely you wish to use headphones with the receiver when DXing. This can be done by attaching an adapter to the -71A tube. These adapters can be purchased at many supply places. Or the connections may be made as described in previous issues of RADEX.

Tuning Adjustments Out of Step

I have a Stromberg Carlson model 12 receiver. It does not tune in all stations over the full wave-band at the kilocycle indications marked on the dial. How can this set be adjusted so that all the condensers tune equally accurate and bring in stations on their proper frequencies on my dial?

It is difficult to adjust a receiver so that it will bring in all stations throughout the full range of the broadcast band at every kilocycle graduation on the dial. The set is usually carefully adjusted before it leaves the factory, but other changes and alterations by the owner often upset the harmony of the tuning arrangements.

The trimming condensers are tiny devices attached to each of the larger variable condensers. They are used to compensate for variations in manufacture in the capacities of the variable condensers. Each "trimmer" must be adjusted carefully so that the capacity of each condenser is similar to others.

Your set has four trimming condensers, one each beside the larger variable condensers. Tune in on some distant station of about 1,000 kilocycles when there is no other station interference nearby.

Turn down the volume so that the station can hardly be heard. Use a long slim wooden stick for a screwdriver to adjust the trimming condensers. Adjust each of them in turn, meanwhile tuning the station with the dial, and keep this up until the station is as loud and clear as it is possible to hear it. The tuning should be very sharp when the signal is weak.

At this point the dial indications should be identical to the rated kilocycle frequency of the broadcasting station. If not, the dial should be moved a fraction of an inch one way or another to make the reading coincide. Frequently, if the set is adjusted for a station on

about 300 meters, it will not bring in stations properly on 200 meters or 500 meters. Wear, misadjustment, or warping of condenser plates, or changes in the shielding of the parts, often will be found to be the causes for this trouble.

Interference from Telephones

I have an Atwater Kent, model 55, receiver, which picks up telephone rings and noises. Often I can hear the number called directly from the loud speaker. Can this annoyance be overcome, and, if so, how?

This is no fault of the receiver. The trouble lies with the telephone. Frequently such interference is found in rural districts where long party-line circuits are found, and especially where old type ringer magneto telephones are in use. The trouble should be reported to the telephone company, and it may be they can eliminate some of the trouble by installing fixed condensers.

If your ground is to the same pipe used by the telephone company it should be removed. Make a new ground by driving down three six-foot lengths of new, galvanized iron pipe, about $\frac{3}{4}$ -inch size. Find a moist spot and place the pipes about five feet apart in a row, connect all together at the tops and use this for a ground.

Perhaps your aerial is too near the telephone wires. It should be at right angles to, and as far distant as possible from, the telephone line.

Set Tunes Too Broadly

My Knight eight-tube receiver tunes very broadly for a local station is heard between 60 and 85 on the dial. My aerial is 70 feet in length. What can be done to improve this set?

Some sets always tune broadly, and do not cut through local stations with ease. Perhaps in your case the aerial is too long, and we recommend that it be cut down to about 40 feet in length. Sometimes broad tuning is caused by too high a voltage on the power supply. If this is the case try a line voltage regulator tube in series with the electric cord leading to the receiver. Such devices can be purchased at any supply house.

(Continued on page 28)



Here are the popular Smith Bros. without the whiskers. "Trade," otherwise Scrappy Lambert, at the top and "Mark" (Billy Hilpot) below.

ASTRONOMICAL OBSERVATIONS

Betty Writes of
the Luminaries

SINCE embarking on an orchestral career ten years ago, after having first studied law at the University of Michigan, George Olsen found his niche in revues, musical comedies, supper clubs, recordings, radio and even motion pictures. Probably the most unique air signature used by a dance orchestra is the musical train at the beginning and end of each of Olsen's broadcasts. It has identified his music ever since it was introduced as a musical novelty several years ago when Olsen and his band were featured in the musical hit, "Sunny." George himself takes the role of engineer, sounding the whistle and ringing the bell. The puffing of the locomotive and the other attendant sounds are provided by the brass section and the drummer. His orchestra consists of eighteen musicians and singers.



Olsen first came into prominence when Eddie Cantor and Florenz Ziegfeld engaged him to play for the musical comedy, "Kid Boots." Later came "Sunny" in which show he introduced

the song hit "Who," and although this was more than eight years ago, the number has remained typically Olsen, so much so, in fact, that today he receives more requests to play "Who" than any other song. The orchestra also was featured at the Pennsylvania Roof for two years, at his own supper club in New York, in the musical comedy success "Good News," at the Deauville Club, in Miami, and in the motion picture versions of "Whoopee," "Happy Days" and "Follow Through."

Olsen and his band are now appearing at the Club Richman, New York, from which they broadcast over CBS on Tuesdays, Thursdays and Fridays, at 11:45 p.m. EST.

And this is the Missus



Mrs. George Olson, who is at present heard as vocalist with her husband's broadcasts, is known professionally on the stage and screen as Ethel Shutta. Mrs. Olsen before her marriage was a Ziegfeld star and had her name in lights in — among other productions — "Whoopee." The Olsens have two little boys.

Don't Call Him Crooner

Arthur Jarrett, who is really a lyric tenor, but answers to any tag except

"crooner," is 24 years old, tall, broad-shouldered and blue-eyed and weighs 185 pounds. Art was born in Brooklyn, N. Y., and made his stage debut at five, as the Indian boy in the "Squaw Man." The late Joe Schenck, his godfather, gave him vocal lessons. Today he plays six musical instruments.



Art's parents were also identified with the stage and he toured vaudeville circuits throughout the country with them, playing regular roles. When 11 years old, he visited Camp Dix and other military encampments to entertain soldiers, where he first made his big hit. Later while attending Brooklyn Prep he picked up pin-money by entertaining at various social functions.

Ambitious to be a lawyer, he matriculated at Fordham. One evening a friend of the orchestra leader at a neighborhood theatre heard him strumming and singing in his dormitory. The orchestra pilot dissuaded him from continuing his studies and gave him a job in the orchestra at the Coliseum Theatre. Possessed with a longing to become a radio announcer, he applied for a job at a New York station and was hired. But when the musical director learned he could play six instruments, he was advised to become a professional musician.

Jarrett joined Ted Weems' orchestra

at Reading, Pa., in 1927. Played the banjo and vocalized. When the band migrated to Chicago he gave up his \$200-a-week job to sing over WBBM at \$50 per. He began to attract a large following and was allotted three afternoon programs weekly. He also appeared nightly with Earl Burnett's band at the Blackhawk restaurant. And then one afternoon several Columbia officials in New York happened to catch his program. Wires were immediately dispatched to arrange for him to come East. His singing with Freddie Rich's band is now gaining him increasing audiences. Art's favorite tune is "Little White House at the End of Honeymoon Lane." You can hear him over the CBS on Tuesday nights at 6:00; Wednesdays at 6:45 p.m.; Friday at 3:30 p.m., and Saturday at 9:45 p.m. EST.

Graduated From Roxy's Gang

Unlike most radio entertainers, Mildred Hunt did not begin singing or making professional appearances when but a child. She spent a normal and uneventful



childhood in her native town of Bloomsburg, Pa. From there her parents moved to Wilkes-Barre and Mildred was sent to Wyoming Seminary. Once again Mildred defied tradition and did not sing in the school glee club. But all things have a beginning, and when Mildred

was attending the fashionable Craig School in Stamford, Conn., she became "stage struck" and despite her parents' objections left school for New York and the theatre.

Her first attempt was for a place in the Ziegfeld Follies, but Mildred could not gain admittance to the famous producer's office. While she was pleading with the receptionist, however, Ziegfeld happened to pass through the outer office, heard her arguing and immediately engaged her as a member of the chorus. This was a starter, but Mildred was never impressed with her talents as a dancer and when she was offered a position at the Monte Carlo Club, insisted upon singing. Her voice was found at last and its development quickly followed.

The next step in Mildred's career was a vaudeville tour with Helen Kane, of "boop-a-doop" fame, with whom she shared an apartment. Then followed her radio debut over WHN. While singing over that station, Paul Whiteman heard her with the result that the next day Mildred recorded with Whiteman's orchestra. Subsequently she appeared with the famous band, leading at the Palace and on the radio.

Later Mildred joined Roxy's Gang and remained with the group for three years. With this background, commercial contracts followed. About a year ago, she finished up all contracts, vaudeville and radio, and went abroad for several months.

Now you can hear Mildred Hunt over Columbia every Monday night as the star of the Frostilla Broadcast Rehearsals, at 9:15 EST.

"Are You Listening?"

"Prosperity, if you're listening in, please come home All is forgiven." Ben Bernie, the Old Maestro, is speaking.

Born Benjamin Ancel, the son of a blacksmith who lived and conducted his shop in the shadow of the Brooklyn Bridge, he became the subject of the first controversy in his family. His father decided he would be an engineer, a super-blacksmith. His mother insisted he would become a violinist. At 15 young Mr. Ancel was a professor at the Mozart



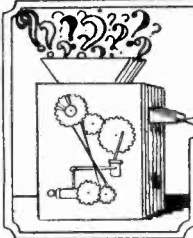
Institute in New York (a banjo free with every course of instruction). But as there was still some talk of that engineering business in the Ancel household, Ben was confining his music to vacation periods and struggling through his mathematics.

Came vacation time after his second year of higher education and Ben was demonstrating violins in a New York department store. Given to wisecracks, even in those early days, he was explaining to an amused group of onlookers that the life of a violinist was a very low one, but if anyone insisted on becoming a fiddler, one of those \$4.98 specials was as good, or as bad, as any other instrument.

Joe Schenk was among those amused spectators. So was Ben's boss. The erstwhile musical instrument salesman found consolation in an invitation to try out for the Loew circuit. The brand of humor clocked and Benjamin Ancel became Ben Bernie of the team of Bernie and Klass (\$35.00 a week). Once during those early vaudeville days Ben aspired to the classics. He was attempting a violin solo in a small Kentucky town when a native of the foothills, bearded and filled with the freshly-made product of his own corn patch, turned the course of the Bernie career.

(Continued on page 68)

The QUESTION MILL



FOR several nights I have heard a very weak signal on about 722 keys., after

WGN has signed off," says R. H. Seidel, 2828 Washington St., Lincoln, Neb. "Have never been able to hear a call, but Monday morning, January 4th, I heard the words 'Records by Wayne King and orchestra,' at 1 a.m., and at 2:40 heard distinctly the song, 'Good Night, Sweet-heart.' This is one of the stations whose broadcasts are louder than announcer and the 1 a.m. catch are the only words I have been able to distinguish. I am wondering if anyone else has heard this signal. It is quite probable that it is an harmonic, but have so far been unable to locate parent station with identical program."

WENR on Two Waves

Harry Durand, 216 N. Main St., Wheaton, Ill., has a problem which he'd like solved. He writes: "I received WENR on 800 keys., besides its regular 870. Now on chain programs, when it comes time to announce, I hear the calls simultaneously of WENR and W9XF, its short-wave station, remember both on 800 keys. W8XF is booked for frequencies of 6020, 11800, 11880 and 20500 keys., and WENR is booked for 870. How come? I should also like to know the frequency and locality of WWAC, an air station. Also, what is the Mexican on about 1315 keys.? It sounds like XEXJ."

"Can you give me any information regarding a station with the call letters GZ7?" asks Elmer C. Roth, 1294 W. Grand Blvd., Detroit, Mich. "I picked them up at exactly 8:04 p.m. January 11th. I had my set tuned for CKOC, Hamilton, Ont., on 630 keys. CKOC had faded out when this station came in. The announcer said he was testing and counted 1-2-3-4 a few times exactly as the amateurs do. Then he came on in a

few minutes and said he was calling 8AKL. He repeated his call again three times and said, 'This is GZ7 standing by,' but gave no location."

"A couple of weeks ago I heard an orchestra playing from the Statler Hotel and later the announcement came through in Spanish," writes Richard W. Mitchell, 542 Ste. Angele St., Three Rivers, Que. "According to my dial the frequency was around 930 keys. Evidently I had either CMCD or CMCN in Havana. But the question is, which? Can anyone tell me which station of these two broadcasts from a certain Hotel Statler in Havana?"

"I am writing to you to find out if you can give me any information as to a station I heard the other night," inquires Robert Trufant, 23 S. Prospect St., Oberlin, Ohio. "It came in on 640 keys."



The "Little Princess of Song," Sylvia Froos, Sundays, 11:15 p.m. and Saturdays, 6:45 p.m. EST. NBC-WJZ. She's seventeen.

This station gave its call letters as FG7. I heard it give its call letters twice. Between times some man spoke in a foreign language. I would also like to find out if there is a station in Cuba owned by a National Broadcasting Company of Cuba."

From T. Colegrove, Frankfort, Mich., comes the following: "The morning of January 2nd, I heard a station on about 1150 kcs. broadcasting a program sponsored by the 'Snow-Man' refrigerator. I think it was an Australian as he faded rapidly like the Aussies do and he also was on the air much longer than any New Zealander I have ever heard. It was not CJOR as he comes in much better and besides the last time I heard CJOR, he was on 1210 kcs." Can anyone identify this Snow-man?

"On January 7th at 3:40 a.m. EST, on 998 or 1000 kcys., I heard one of that flock of Mexicans broadcasting from some club, or at least there was laughing and applause, and a hot orchestra was playing 'St. Louis Blues' and 'Yours and Mine,'" says Francis Orcutt, 127 South Ave., Penn Yan, N. Y. "The orchestra was good, but yet had that touch so characteristic of Mexicans and Cubans."

WPFB Reaches Out

"Can you tell me what station I had on the morning of December 26, 1931, at 12:45?" asks A. Collver, 147 Walk Circle, Santa Cruz, Calif. "Static was very bad and although the station call was given every few minutes I was unable to get it. Their slogan was 'The Voice of the Pines.' They announced they were on their assigned frequency of 1370 kcys."

"Today at 3:15 p.m. EST I heard a recorded program from WWB giving their frequency as 1135 and their address as 'World Wide Broadcasting Corp., Butler, Pa.' At 3:30 p.m. they were calling WFK. Who is WFK?" inquires John J. Swatko, 316 Second Ave., Homestead, Pa. WWB is an airport station at Baltimore according to the records.

The carbon arc lamp, which is just in front of my house, creates a terrible noise in my Philco electric set. This noise is worse on some frequencies than others.

Is there any way I may get rid of this noise which ruins DX reception?" asks Alvin Sizer, 91 Hough Ave., Bridgeport, Conn. Has any reader succeeded in a similar case?

"Recently I was playing the radio and the program was excellent," says G. M. Rice, Belvidere, N. J., "when all of a sudden they stopped and announced, 'This is Station CWOS in New York.' I cannot understand why this station would be in New York. CWOS comes in on 900 kcys. and signed off without any further announcement."

Did He Have Germany?

"Would like to know if any reader had Frankfort-on-Main on 770 kcys., on their test on November 26th, 27 and 28?" inquires Ivan D. Ide, Box 312, Genoa, Ill. "I had a station on that band on Sunday morning, but the modulation was so poor that the best I could do was distinguish between voice and music."

"Can you tell me how I might make my set, a DeForest-Crosley, Nelson model, with five tubes, three 224, one 245 and one 280, more selective?" asks Wm. A. Mooney, 2311-A McBride Ave., Victoria, B. C., Canada. "I have thought of using a chemical aerial as I have heard it is good." Can any DeForest owner answer?

"Why do you have CKAC and CHYC marked as being one station when both calls are used?" asks Luther E. Grim, 505 S. Main St., Red Lion, Pa. The small letters, a-b-c, in the Index by Frequencies show that one station—that is, one transmitter—has two or more sets of calls and consequently must share time.

Needs Four States

"Does anyone know the time on the air for KDFN, Casper, Wyoming?" asks T. J. Johnson, Drawer E. Bowlegs, Okla. "Also, time for stations in Maine, Vermont, New Hampshire, Rhode Island and Delaware? I have not yet heard stations in any of these states."

Angus Shaw, 502 21st St., Superior, Wis., caught what sounded like a trans-Atlantic telephone conversation Monday morning, January 26th, at 4:30, on about

Continued on page 29)

The MONTHLY ROUND TABLE

THIS month we present for the convenience of our readers, a new feature which we hope will prove helpful. This is the Classified Index to Chain Programs. There are two reasons for this Index. First, a great many readers are fond of some one sort of program such as talks on news-of-the-day, for instance. Second, we suppose everyone has asked himself now and then "What night is such-and-such a feature on?" It is a hard task to run clear through all the programs to find the one desired. With the new arrangement, our readers can ascertain immediately the night and hour for all the principal programs.

We would appreciate learning if this new index is as helpful as we feel it should be, since it makes a great deal of additional last-minute work for us.

Readers frequently send us the names of stations which fail to verify or to send stamps and think we should publish the names of such stations in a sort of "black-list." While undoubtedly some stations are lax in this respect and others are very slow, yet we have found a number of instances where the fault was with the listener. Data furnished for verifica-

Chats with
the Editor

tion is often entirely inadequate. Some listeners do not catch the call letters and send their reports to several stations on the wave received just on the chance of hitting the right one. Such a practice is to be highly condemned. No requests for verification should be sent to any station unless that station's call was distinctly received. Then, too, many writers are careless in giving their names and addresses. RADEX very often receives money in an envelope with a subscription blank entirely unsigned and nothing about the letter to indicate the sender. Undoubtedly stations experience similar difficulty.

During the summer, this magazine will again ask all stations for their practice regarding verification and the issuance of stamps and the symbols will be changed accordingly.

All Right, We'll List It

In spite of the fact that the newspapers report the conviction of the owner of WGM, a so-called outlaw station at Jeannette, Pa., readers report that it is still on the air. "Evidently they are not taking the Commission very seriously," comments E. B. Clark, 2617 Strasser Place, S. W., Canton, Ohio. And Richard D. Caddell, 605 Ridge Ave., N. S., Pittsburgh, Pa., writes of WGM: "They held their biggest program of many months today, Sunday, January 10th. They had artists from all over the country and business men speaking, etc. They were celebrating their 'Booster Day Program.' The manager of the station, C. J. Robertson, said that during the trial for operating a radio station without a license, the judge stated that WGM did not need a federal license to operate intrastate. (As though any radio station could operate intrastate.—Ed.) Mr. Robertson also said that WGM was preparing to get a license from the Commission and is starting a country-wide petition campaign for 100,000 names."



Frances Bowden and her famous cat. An 18-year old girl from the Ozarks who had the nerve—and the ability—to go to New York and break in on big-time radio telling her impressions of the big city.

Mr. Caddell thinks the programs from this station are quite good.

RADEX has endeavored to support the Radio Commission by ignoring these outlaw stations but when one like WGM seems to be able to operate in spite of the Commission, our readers are entitled to have it listed. We are therefore placing this station in the index with this issue.

Still at State College

A verification from KOB gives the following information regarding that station with their time of broadcast which so many readers have wanted.

"KOB, owned and operated by the New Mexico College of Agriculture and Mechanic Arts, has its transmitter located near Las Cruces, New Mexico, in the rich Mesilla Valley, 40 miles north of El Paso, Texas. This is a farming community, irrigated to wonderful production by water from the noted Elephant Butte dam and reservoir, and extending many miles along the Rio Grande River, 'in the Heart of the Sunshine Country.'

"KOB is one of the oldest radio telephone stations in the world. It started regular broadcasting as a five-watt experimental station in 1921. Since that date, regular broadcasting has been maintained and now it has grown to 20,000-watt output. This makes it the most powerful college broadcasting station now operating. The transmitter is of the crystal oscillator-power amplifier type. Antenna and counterpoise are suspended from insulated pipe masts 140 feet high and 175 feet apart. The assigned frequency is 1180 kilocycles. Besides the studio and transmitter located on the Campus, a remote control studio is maintained at El Paso, Texas.

"KOB broadcasts every day, usually three or more programs, except Sunday. The first morning broadcast is from 7:00 to 9:00; that at noon from 12:00 to 2:00; in the evening from 6:00 to 9:00; and on Sundays from 6:00 to 9:00 p.m., all MST."

The New Bahaman

"Regarding the station in the Bahama Islands, VPN, I have tuned them in nearly every morning since they first went on the air," writes Richard D.

Caddell, 605 Ridge Ave., N. S., Pittsburgh, Pa. "They are testing on two different frequencies; they broadcast some mornings on 610 kcs. and again on 1350. They are on the air each morning between 2:00 a.m. and 4:00 a.m. EST. All mail to them should be addressed care Development Board, Nassau, Bahama Islands." Mr. Caddell says TI-4-NRH tells him that NBA is the secret code quarters of the U. S. Navy and that no one but the Government may build a radio station in the Canal Zone. NRH, by the way, has changed his frequency to 980 and his power to 15 watts. This station reports also that TGW, Guatamala, is not on the air any more. Will some of our Central American readers confirm this?

From Lower California

"Now for a little bit of gossip," writes J. D. Ramos, P. O. Box 5, Tijuana, Mexico. "As you perhaps know, radio reception is exceptionally good in this territory (I live in San Ysidro, just across the international line from Tijuana). Chula Vista, a few miles from here is considered one of the best spots in the world. I own a Brunswick set and am getting nearly all the broadcast stations west of Cleveland, a few in Mexico and several Canadian. The only trouble with my reception is that just a few yards away from my house, on the side of the hills that slope down to the Tijuana River, are located the transformer stations for feeding Tijuana and Ensenada, and sometimes, quite frequently, I get a hissing, boiling sound that spoils otherwise perfectly fine programs. I wonder if you could offer a suggestion to remedy that trouble, if such a thing is possible. I have a 75-foot aerial with the loose end directed towards Los Angeles, in order to avoid interference as much as possible, especially where Mexico City stations are concerned. My ground is a copper receptacle affair buried three feet in the ground and filled with salt water. This noise is not continuous, but when it starts it is something very disagreeable. It sounds something like the blowing off of steam and it is uninterrupted for hours at a time. It is not always present and

nobody has been able to help me find the source, if it is not the transformer station that I mention above, which I doubt."

Can It Be Settled?

"I would like to see the columns of RADEX settle the question of long versus short aeriels, and water-pipe grounds versus *real* grounds," says M. M. Bailey, Hood River, Oregon. "I cannot see the idea of recommending water pipes for grounds. I, of course, don't know how it is in your section of the country, but here about everything in the world that you can think of, which is grounded, is on the water pipes, and naturally the noise comes to the set. Here we have telephones and lights grounded on water pipes. My first radio was ground to water pipes, but later I put down a good ground, similar to the one recommended by the U. S. Bureau of Standards, also Mr. Ollie Ross. My noise decreased about 50 percent. I cannot see the water pipe ground myself. I have the umbrella type aerial with about 300 feet of wire, on top of my two-story house. I get many stations now

that I could not get with the straight wire aerial of about 35 feet."

"Here's an idea that would help a lot of us if someone would carry it out," suggests Carleton Lord, 137 N. Highland Ave., Akron, Ohio. "The small-powered stations on the graveyard channels like to be heard from great distances. They're always bragging about their low power and how far they've been heard. Yet they consistently cut each other's throats. Why not get the stations on each channel (such as 1200, 1210, 1310, 1370, 1420 and 1500) to organize and set aside one night for each channel as DX night. Make this about once a week or every two weeks. Then have each station go on for a period of 15 minutes to a half-hour in succession and have all the other stations agree to keep quiet. Set aside a time period of from 3 to 6 a.m. for this and you could get six to twelve stations going. Then about three nights would give all of them a chance to get out. Some organization ought to be able to accomplish this and they would get the eternal vote of gratitude from lots of DXers. An example of

Radio World Offers Choice of NINE Meters!

To do your radio work properly you need meters. Here is your opportunity to get them at no extra cost. See the list of nine meters below. Heretofore we have offered the choice of any one of these meters free with an 8-weeks' subscription for RADIO WORLD, at \$1, the regular price for such subscription. Now we extend this offer. For the first time you are permitted to obtain any one or more or all of these meters free, by sending in \$1 for 8 weeks' subscription, entitling you to one meter; \$2 for 16 weeks, entitling you to two meters; \$3 for 26 weeks, \$6 for 52 weeks, entitling you to six meters. Return coupon with remittance, and check off desired meters in squares opposite.

RADIO WORLD is the first and only national Radio Weekly. In tenth year. The news of the progress of the entertainment, science and business of radio *when it is news*. 15c a copy; newsdealers everywhere.

RADIO WORLD, 145 West 45th Street
New York, N. Y. (Just East of Broadway)

Enclosed please find \$..... for..... weeks subscription for RADIO WORLD and please send as free premium the meters checked off below.

I am a subscriber. Extend my subscription. (Check off if true.)

- | | |
|--|---------|
| <input type="checkbox"/> 0-6 Voltmeter D. C. | No. 326 |
| <input type="checkbox"/> 0-50 Voltmeter D. C. | No. 337 |
| <input type="checkbox"/> 6-Volt Charge Tester D. C. | No. 23 |
| <input type="checkbox"/> 0-10 Amperes D. C. | No. 338 |
| <input type="checkbox"/> 0-25 Milliamperes D. C. | No. 325 |
| <input type="checkbox"/> 0-50 Milliamperes D. C. | No. 350 |
| <input type="checkbox"/> 0-100 Milliamperes D. C. | No. 390 |
| <input type="checkbox"/> 0-300 Milliamperes D. C. | No. 399 |
| <input type="checkbox"/> 0-400 Milliamperes D. C. | No. 394 |

NAME.....

ADDRESS.....

CITY..... STATE.....

what can be done with the graveyard channel stations cooperating: Tonight the Radio Supervisor in the Third District made frequency tests. I got 12 stations which would have been impossible otherwise. They were on for 15 minutes each and the whole thing went through like clockwork."

Here and There

"That trio of stations (using same equipment) headed by CKOC has made so many changes that they must use newspaper advertising to inform the public of their position on the dial from night to night," writes Howard Spies, 1217 Louisiana Ave., N. W., Canton, Ohio. "If I remember correctly, this station was operating on 1120 kcys. and using 50 watts about five months ago. Since then it has stepped its power up by stages of 100, 500 and 1000 watts and 'has a permit' to decrease to 500 again. After 1120 kcys., it has broadcast successively on 1010, 630, 635 and now has returned to 630 with permit to go back to its second frequency of 1010 kcys. Although you report it as broadcasting at present on 630, the other night I apparently heard it on 635, as I received WMAL with no interference from CKOC."

Heard the "Reds"

"About the Reds seizing Radio Station XEW on November 8th (Saturday

night), I wish to say that I heard the whole incident," reports J. D. Ramos, P. O. Box 5, Tijuana, Mexico. "My wife and I were enjoying a fine program in honor of the late Maestro Meneces on the anniversary of his death. There were some very fine numbers, among others the Mexico City Conservatory Orchestra, the Choir of the Mexican Department of Education, the Mexican Feminine Orchestra, etc. At a certain moment there was an interruption in the broadcast and then we heard some strange, coarse voice declaring: 'In the name of the Communist Party, we seize Station XEW, in order to broadcast the following message to our comrades of the Continent.' Someone was asking for Martinez and then we heard another voice swearing right in front of the microphone."

West Coast Disadvantages

"In defense of the West Coast DX fans, I would like to say that we have a distinct disadvantage under the Easterners in that the time is against us," comments Don Turner, Box 655, Taft, Calif. "I mean by that that the small ones in the East have already signed off by the time that ours do. Of course, we have the early morning stations in the East, but on the crowded frequencies, so many stations come on at once that it is

(Continued on page 29)

INSURE YOUR RADIO ENJOYMENT

SEND THIS BLANK TODAY

The Radex Press,
5005 Euclid Avenue,
Cleveland, Ohio

Enclosed find \$..... for which send me postpaid my choice of your offers as checked below:

- | | |
|---|--------|
| <input type="checkbox"/> One radio map of North America | 25c |
| <input type="checkbox"/> One copy of the next RADEX | 25c |
| <input type="checkbox"/> Trial subscription, next five issues of RADEX | \$1.00 |
| <input type="checkbox"/> One year's subscription to RADEX, 10 issues, and Radio Map free | 1.75 |
| <input type="checkbox"/> Two subscriptions to RADEX with one leatherette cover and Radio Map, both free | 3.50 |
| <input type="checkbox"/> One two-year subscription with leatherette cover and Radio map, both free | 3.50 |
| <input type="checkbox"/> Leatherette Cover | .50 |

Write Name Plainly

Street and Number

City and State

WITH the STATION HUNTERS

WITH the introduction of the all-wave set by a number of manufacturers and the perfection of short-wave converters particularly for superheterodyne receivers as described in another article in this issue, interest has been growing rapidly in short-wave reception. As explained by Mr. Dashiell in his article, those DXers are going to be disappointed who buy either converter or all-wave set and expect to tune in short-wave signals with the same ease as in the b. c. band. It requires the utmost skill and patience to tune in these razor-edged signals on the short waves.

Differences of opinion regarding the value of converters are bound to appear. This magazine can only present the various opinions and let our readers make up their own minds.

"In spite of the following list of stations (which I do not represent to be unusual) I am of the opinion that short-wave converters should be purchased by the DX fan only for financial reasons,"

Seeking the Elusive

reports Errol L. Green, 6389 Webb Ave., Detroit, Mich. "Under no circumstances should they be used if they haven't their own B supply. They are a make-shift at best. I have used one with a Model 58, 4 screen-grid, t. r. f. Bosch for about two months and have received most of the following stations with fair volume several times: VK2ME, Sydney; I2RO, Rome; FYA, Pontoise; G5SW, Chelmsford; Rabat, Morocco; VRT, Hamilton, Bermuda; HKD, YVQ, XEW, WBNB, S. S. Leviathan, and others which I haven't been able to identify. This does not include a large number of closer stations of course, besides amateurs on the 20 and 85 meter bands, from St. Johns, N. B., to Los Angeles, etc. I would suggest that the all-wave fan fortify himself, in addition to RADEX, with the International Short-Wave Club Magazine."

Special DX Programs for RADEX Readers

Radio Station KXRO, Aberdeen, Wash., has kindly offered to put on a special DX program dedicated to the readers of RADEX. As this station is the most westerly broadcasting station in the United States, it offers a fine opportunity of receiving the greatest possible distance.

This DX program will go on at 12:30 a.m. Sunday, March 13th, and will run until 3:30 a.m. Above times are in Pacific Standard. Other zones should tune in as follows:

Eastern.....	3:30 to 6:30 a.m.
Central.....	2:30 to 5:30 a.m.
Mountain.....	1:30 to 4:30 a.m.

The station is on 1310 kcs. The power is 100 watts. The transmitter is a new 12A Western Electric. For verification give the selections heard, announcements given and time received in Pacific Standard.

On Friday night, or rather Saturday morning, March 19th, Amateur Broadcasting Station 10-BQ, at Brantford, Ontario, will broadcast a RADEX special program from 1:00 a.m. to 2:30 a.m. EST, using 15 watts on 1200 kcs. This station is interested to know how far it will reach on this power and our readers everywhere are urged to try to tune this program in. If the response warrants, similar specials will be given in future.

On the Short Waves

"My short-wave entertainment," says John McCollow 3rd, 220 So. 22nd St., Allentown, Pa., "is supplied by a two-tube receiver which I built and which I am trying to coax into being an all-wave set. I admit I'm an optimist. However, it brings in the stations in the broadcast band very nicely, together with the amateurs, some airport stations, and short-wave broadcasting stations. I've received twenty of the police stations but, so far, no foreign short-wave station. I also picked up the commercial phone to and from Bermuda."

"I am very interested in short waves and have received about 50 stations, in addition to my long-wave ones," reports Thos. A. Saul, 328 Olive St., St. James, Winnipeg, Man. This includes, of course, police and airport transmitters. My receiver is a Stewart-Warner short-long combination, six tubes, No. 102-B. I have been having very good results with this machine."

The Evening Telegram International

Short Wave Club has been organized by that newspaper in Toronto. T. A. McGregor, 519 St. Clarens Ave., is Secretary-Treasurer. Already there are 300 members.

Haiti Is Off

Station HHK, Port-au-Prince, Haiti, advises us that they have not been on the air since October 1, 1931, but expect to resume regular broadcasting in the near future. Regarding the station, they give the following information: "This station is the central broadcasting unit of a radio and public address system covering the republic by means of which educational and entertainment features are broadcast to the Haitian people." Their time on the air is given thus: Every day except Sundays and Holidays, 12:15 to 12:45 p.m. EST, musical program; each Friday, 8:00 to 9:00 p.m. EST, musical program and talk on Haiti; each Saturday, 6:45 to 7:15 a.m. EST, educational lecture and music.

"I just received a verification from WTSL and am enclosing part of the envelope," reports Richard Douglas, 1125 Krug Park Place, St. Joseph, Mo., and adds: "They said 'We will be broadcasting DX programs nearly every Tuesday and Thursday nights this winter between 12 and 4 a.m. CST.' I have also received a verification from CJGC in which they say, 'You can count on CJGC's being on the air evenings after 6 o'clock EST. We also broadcast each day from 8 a.m. to 1:30 p.m. EST. Saturday is our silent day, except on special occasions. On Sundays we broadcast church services at 11 a.m. and 7 p.m. EST'."

Programs In Other Languages

In a letter to Valentine Sadowski, 188 Miller Ave., Buffalo, N. Y., Station WEBR of that city announces programs in foreign languages as follows:

German—8:00 to 8:15 p.m. daily except Sunday. 10:30 to 11:30 p.m. Wednesday evenings.

Italian—10:30 to 11:30 p.m. Thursdays.

Hungarian—9:30-9:45 p.m. Fridays.

Polish—Daily except Sunday. 8:30-9 a.m.; 10-11 a.m.; 4:45 to 6:15 p.m. Monday, Wednesday, Friday; 6 to 6:15

p.m. Tuesday, Thursday, Saturday; 10:30 to 11:30 p.m. Tuesdays; 1 to 2 p.m., 5 to 7 p.m. Sundays.

"You might be interested to know that we have a new low-wave station here, W5XA, transmitting on 1574 kcys. each morning from 4 to 5 CST," reports Edw. B. Russell, 808 Prospect Ave., Kansas City, Mo. "They will mail a DX card for 10 cents, and they also have a beautiful lithographed low-wave magazine which you will find very interesting, for 25 cents. We also have low-wave station KGPY, transmitting on 1594 kcys., 100 watts power. KGPY is on the air each afternoon from 3:45 to 4:15 and each evening from 9 to 10:30 CST. KGPY will gladly verify all reports received on their transmissions."

Try KFOX for California

"For the interest of some other DXers who can't get KFI or some of the other super-power stations from California at night, on account of interference from local broadcasters near the same frequency, tell them to try for KFOX, Long Beach, 1250 kcys., around 6 a.m. EST," suggests L. H. Donaghay, 222 Irving Ave., Bridgeton, N. J. "They come in swell with no interference."

"For John McGill, Jr., Olive Hill, Ky., I should like to say that VAS, Glace Bay, N. S., is a station whose sole purpose seems to be to broadcast weather reports to fishermen and the prices they may expect for their catches," reports Neil Hickey, 7 Woodside St., Rochester, N. Y. "It is on practically every morning from 4 to 4:10 Atlantic time (3 a.m. EST)."

For the benefit of other radio owners, may I say that if they will tune in at the lower end of the dial between 8 and 9 at night, they ought to get W2XAR, Radio Pictures, Inc., New York," suggests Robert Trufant, 23 S. Prospect St., Oberlin, Ohio. "They broadcast for an hour every night, and come in with a great deal of volume, on 1550 and 1670 kcys."

A 4:00 a.m. DX

"Here's a tip for DXers," says Charles Meyer, Jr., 411 Black St., St. Joseph, Mo. "WGBS has a DX program at 4 a.m. CST and they will verify correct reports of reception at this time," and

adds, "Would you please ask the readers this question: 'What station on about 1300 kcys, put on a DX program at about 4 a.m. CST, December 29th?'"

Time for Alaska

"Tell your readers who are asking about Alaskan stations," postcards G. Wightman, 1171 32nd Ave., W., Vancouver, B. C., "that KFQD is on till midnight, Anchorage Time (or 5 a.m. EST) most every day. I get it 5 kcys. off KYA, although they are supposed to be on the same channel."

"Fans, try for WRBL at Columbus, Ga.," suggests Keith L. Freas, 17 Pullman Ave., Kenmore, N. Y. "For a 50-watt station they come in like a ton of bricks. They verify promptly with a nice card. I have tried to get them to send RADEX their DX schedules. Maybe they will."

CKX on New Wave

DXers who have never been able to log CKX at Winnipeg because of their location on 540 kcys. will be interested to know that that station is now temporarily on 930. A great many should now be able to add it to their lists.

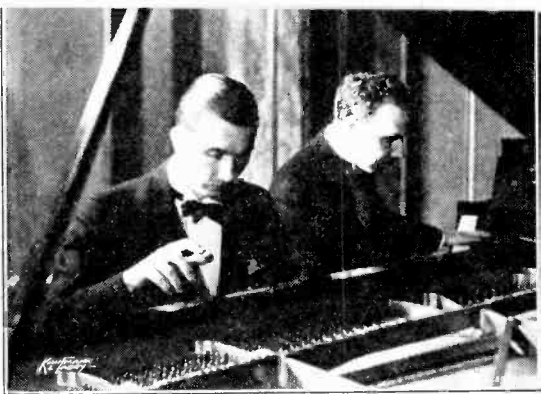
Edward B. Russell, 808 Prospect Ave., Kansas City, Mo., quotes from a letter of verification from KWEA, Shreveport, La., as follows: "On Sunday mornings KWEA conducts a special DX program from 4 to 5:30 CST. We will mail a DX card for 10 cents."

"WJTL in Atlanta expects to broadcast a special program on Easter Sunday, March 27, 1932, from 1 to 2:30 a.m. EST," advises Robert E. Bruce, 5754 65th St., Maspeth, N. Y. "They would like to give this program as much publicity as possible."

"During the past month," writes J. W. Brauner, 17 E. Spring St., Williamsville, N. Y., "CHNS, Halifax, N. S., has been operating on 815, 1050 and 925 kcys., the latter being the one used last. No promise that they will stay on 925 is possible."

A New Amateur in B. C.

The new amateur broadcasting station in Trail, British Columbia, 10-AT with 25 watts on 1155, offers a mighty attractive target. Who will be the first to



The famous blind pianist, Buryl Retting (right), and Richard Platt, a two-piano team. In the Willys-Overland program, NBC-WJZ, Sundays at 7:00 p.m. EST.

report it? WINS, New York City, signs off at 7:45 p.m. EST during February, but will remain on the air during March until 8:15.

"On Christmas Day Santa Claus brought us a brand new five-tube Philco superheterodyne Baby Grand radio," writes Raymond L. Souder, 604 No. Broad St., Lansdale, Pa. "This is the first one we've ever had and what joy it's been to have it around. It sure works fine and I've had some pretty good results myself, considering the fact that I have no outside aerial. I simply have a single insulated wire connected to the aerial post on the set at the one end, while the other is fastened to a water pipe by means of a ground clamp. With this hook-up I have logged a total of 120 stations from December 25, 1931, to January 20, 1932."

Started Him DXing

"A year ago last January," comments Eugene G. Shook, 19 No. 34th St., Terre Haute, Ind., "I looked at one of your RADEX books. I have had every issue since then. I just happened to glance through it and saw how many people were logging stations. I thought I would try logging the stations I received on our Edison radio. On January 20th I started by logging WLW, just one year from that day I logged my 349th station. This station was WRAW. I have stations from every state except Delaware, Nevada, South Carolina and Wyoming. I have had KFQD, Alaska; EAJ7, Spain, and JOKK, Japan."

"Please enroll me as one of your DX fans," entreats Arthur Collins, 68 Amber St., Buffalo, N. Y. "My long-awaited verification has come at last, 2YA, Wellington, N. Z. Also have verifications from KJBS, a 100-watter in California; KPCB, a 100-watter in Seattle; VAS, CKY, 14 Mexican stations, 28 California stations. My log now is 410 stations, with all my best catches verified. I am the only one in Buffalo or nearby to ever get New Zealand, or that distance away, verified. I use your filtered aerial and the Ross copper ground."

"When I first got RADEX I had only 192 stations and now I have 514 on the broadcast band," writes Norman H. Rahe, 11816 McCracken Road, Bedford, Ohio. "They include 456 in the U. S., 26 in Canada, 14 in Cuba, 14 in Mexico, one in Porto Rico, one in Uruguay, one in Czecho Slovakia, and one in Japan. I use a Lincoln 11-tube super. I would like to hear from someone who has a Lincoln and from DX fans in the vicinity of Cleveland."

Likes His Silver-Marshall

"I just wish to give you a word of praise about my Silver-Marshall Model G6 ten-tube Super-heterodyne," says Melvin W. Kennedy, Sharpville, Ind. "I have used it for about 70 days now and have listed 156 stations, practically all proven. I am located in an upper apartment and use a furnace ground and two strands of ribbon antenna 30 feet long and four feet apart. I have five Mexican stations, 12 Canadian and four Cuban. Am always willing to answer questions or write other fans."

"We are two fountain clerks and we usually operate our radio, which is an Atwater Kent 55, all night," write J. W. Markley and Harley Frazier, 1623 Main St., Richmond, Ind. "Of course we use the RADEX log as it is very accurate in helping to locate and log stations. We have access to each new edition. By using the new RADEX each month we have success in locating stations, since some stations are always subject to frequency changes. To date we have 469 stations logged."

"I have been using my present set since May 30th," comments Verne

Robinson, 1020 Cleveland Ave., Hobart, Ind. "Using it in conjunction with a 25-foot aerial six feet high, I have logged 224 stations in four countries and on 97 frequencies. My set is a five-tube midget Gloritone. I'd like to hear about the results other DXers are having with this kind of set."

"I brought in WNBW last month, a 10-watter in Carbondale, Pa.," reports Lloyd W. Grant, 456 4th St., West, Birmingham, Ala. "This and KPCB at Seattle are my best catches. I heard a station at 12:45 a.m. January 5th, playing a selection for the Omaha teachers' college. Who will tell me what station I had? I have just brought in KIDO, thanks to the many letters that I have received."

He Reaches Out

"I bought my Philco screen-grid plus about eighteen months ago and I tuned in 240 stations in twelve countries," reports J. T. Campus, P. O. Box 252, Strathmore, Calif. "One each in Manila, New Zealand, Newfoundland, Porto Rico and Salvador; three each in Cuba and Australia; two in Honolulu; twelve in Mexico; thirteen in Canada and fourteen in Japan."

"In order to let the rest of the family get some sleep," comments Rexford Newcomb, Jr., 605 W. Nevada St., Urbana, Ill., "I have to do my DXing in the basement. I place my six-tube Trav-ler on a stool and run a five-foot piece of copper wire up to a water-pipe, using it both as ground and aerial. In this way I have logged 299 stations in ten months."

"I have received about 200 stations in a month," reports Casper Marion, 211 Gardner St., Joliet, Ill., "including two Cubans, three west coast, and one dandy about 3 o'clock in the morning. It was very faint, came in fairly well at first, then faded out entirely, but I got the station call letters as HRB on 1370 keys. Could it be possible that it was the right call?"

Champion of Tennessee?

"As far as I know, I have logged more stations than any other DXer in this city," challenges C. T. Hadley, 901 Gilmore, Ave., Nashville, Tenn. "I have

logged 356 on long waves and 350 on short waves. I'll be glad to hear from any radio fans in this country. I want very much to see if anyone in this section has a better record than I have."

Juan Cloquell Storer, Box 315, Arecibo, Porto Rico, sends us a list of his stations which would be a credit to anyone living in the center of Indiana. In addition to about all of the Cubans and Mexicans, he has a great number of U. S. and Canadian stations from Florida to Nova Scotia and from California to Iowa. Fine work for the tropics.

"Been having a big time DXing this winter," remarks Stanley H. Bond, Keyser, W. Va. "Have logged and verified to date over 450 stations in North America. Just need Vermont and Wyoming to complete my log of states. This has been done on a two-tube Radiola III, battery set."

"Ever since 1926 I've been interested in DXing and have had over 470 stations, including eight in Cuba, ten in Mexico, one in Porto Rico, one in El Salvador, and the rest in Canada and the United States," reports Leo Shelly, 125 Lake St., St. Catharines, Ont. "I'm hoping yet to pick up Newfoundland and Alaska."

New Newfoundland Targets

Three stations are now listed in Newfoundland which ought to give our DXers something to sit up nights about. We'll try to have their time on the air for next month. It is said that Newfoundland is very much radio-conscious, there being between 15,000 and 20,000 sets in that far-eastern dominion.

"I have a nine-tube Philco portable," writes Wm. Hawkins, P. O. Box 1471, Abilene, Texas. "I have gotten 190 stations in less than two months. In the daytime I get east to Cincinnati, west to Los Angeles, north to Minneapolis, and south to Brownsville, Texas. I would like to know the best time to get Australian and Japanese stations."

"Mobile is a hard place for radio reception," says Mrs. Kate L. Baitje, 304 N. Jackson St., Moline, Ala., "but I logged a 100-watt station in Wolf Point, Mont., and got a card from them. Also lots of stations from California, Washington and Oregon, so I am very satisfied."

Early A.M. Reception

"Early in the morning I can log 100-watt stations from coast to coast, and on November 29th was surprised to hear WNBW, 10 watts, Carbondale, Pa.," reports R. E. Leigh, Hernando, Miss. "Again on January 2nd it came in very clear till 7 a.m. EST. Now I am wondering just how far this station was heard."

"I am starting my second log, beginning November 1, 1931, and to date, after exactly twelve nights on DX, have



Toscha Seidel, one of radio's most pleasing violinists. CBS at 11:15 p.m. EST, Mondays and Wednesdays.

a log of 222 stations with over 100 verifications and many requests in the mail," reports R. H. Seidel, 2828 Washington St., Lincoln, Neb. "Have been turned down on only one so far."

"I have an 11-tube Philco, this year's model, and since I got it the first of January, I have received and heard the call letters of 188 different U. S., Canadian, Cuban and Mexican stations," reports Frank Trufant, 23 S. Prospect St., Oberlin, Ohio. "I have also received PRAC in Brazil."

"Since October I have logged 424 stations on my Majestic model 25," reports H. J. Wallace, 112 Brown St., Reynoldsville, Pa., "46 states, Canada, Mexico and Cuba. Have been verifying

the best. Where would I have been without my RADEX? In bed!!"

"I am quite a radio fan," writes Mrs. Dorothy Magill, 37 Perry St., Central Falls, R. I. "I have a Philco eight-tube superheterodyne and up to the last month I have only had an inside aerial. Now with about 70 feet of aerial, Sunday night I got KFI, Los Angeles; KGER, Long Beach; two Cuban stations and plenty of Canadian stations."

"I was given a Ware seven-tube superheterodyne for Christmas," says Geo. B. Holland, Jr., 1340 Baker Ave., Schenectady, N. Y. "Since the morning of December 25th up until today (January 24th) just one month, I have logged 315 stations."

Want to Correspond

When sets are named, correspondents are wanted among owners of such sets. Figures in parenthesis show the age where it is known.

R. Peterson, 2555 S. Logan Ave., Milwaukee, Wis. (15)

Harold Rineer, 126 Green St., Lancaster, Pa. (16)

H. W. Newell, 1629 Centre St., Newton Highlands, Mass.

Rexford Newcomb, Jr., 605 W. Nevada St., Urbana, Ill. (17)

Forrest Black, Cleveland, Oklahoma.

Paul Kurtz, 24 Benezet St., Chestnut Hill, Pa. (13)

Joseph Paul Janata, 25-10 21st St., Astoria, L. I., N. Y. (Philco Super-Het.)

Louis Alexander, Jr., 10 South Ridgwood Road, South Orange, N. J. (15)

L. Howard Donaghay, 222 Irving Ave., Bridgeton, N. J.

R. H. Van Beynum, Wilbraham Academy, Wilbraham, Mass. (17)

Donald Bobb, P. O. Box 123, Merrillan, Wis.

Frank Wheeler, 406 Eagle Point, Lakeside, Erie, Pa. (Silverton Super)

Walter W. Bronson III, 1485 Chapel St., New Haven, Conn.

Paquale Napolitano, 5555 Thompson St., Philadelphia, Pa. (Philco Super)

Walter R. Smith, 1202 Walnut St., Owosso, Mich.

Fred Wright, 207 Nairn Ave., Toronto 10, Ont. (17)

Luther E. Grim, 505 S. Main St., Red Lion, Pa. (17)

Edmund M. Neel, P. O. Box 365, Duncan, V. I., B. C.

L. M. Danner, 4707 Victory Ave., Covington, Ky. (Scott All-wave)

James Long, 4147 Louisiana St., San Diego, Calif.

When Sets Go Wrong

(Continued from page 13)

Can I Use a Loop?

I have a Scott All Wave receiver, and I wish to use a loop antenna so as to get the directional effect. How shall I go about this?

It is possible to use a loop with any make of radio set, but the results are not

satisfactory unless the receiver has been built for a loop. In the case of the Scott instrument we doubt very much whether practicable results will be obtained from a loop. See an answer in the February RADEX on the same subject.

You may, however, obtain the directional effects of a loop by building a rather large one. The frame should be not less than four feet square, and should be wound with about 40 turns of number 24 cotton insulated wire. The two ends are attached to the receiver, a ground wire being used as always. Hang the loop in a vertical position so that it can be freely rotated. When it points in a direction of a line connecting the broadcasting station and broadcast receiver, reception will be loudest.

Gets Lots of Static

I have a model 41 Earl receiver and it is noisy on all but local stations. If I change to the new tubes will it reduce the noise? My aerial is over 100 feet in length. Ground is good.

Your aerial is much too long. It should be cut down to about 40 or 50 feet in length. Perhaps the static interferences you complain of come from outside sources—street cars, electric power lines, or mills. Try disconnecting the set from the aerial and ground and see if the noises persist. If not, then you know it must develop from without, and is beyond your control.

You can replace the -45s with the newer -47s, or pentodes, by using the adapters sold for that purpose. We cannot promise an improvement in intensity of sound. You cannot use the -35s in this receiver.

Perhaps the noise is in the set. If so, give it a complete overhauling, and clean the plates with regulation pipe cleaners. For often dust gets between these plates and short circuits them at intervals, and causes severe clicking noises. The resistors, bypass condensers, and power unit should be examined for possible trouble. Tubes, too, which do not fit well in their sockets often cause sharp snapping sounds and noises.

Set Gives Out Loud Knocks

As soon as my General Electric Super-dyne receiver is turned on it begins to give

out loud knocking sounds, as if a loosely connected wire was being shaken. What do you think may be the trouble?

Sometimes such sounds are the result of a loose wire in the aerial circuit. The aerial may hang too low and just touch, at times, some metallic surface, or another wire or aerial may snag down at intervals on your aerial. Then, of course, there is the very great possibility of some loose connection within the set, especially in the speaker and audio power tube circuits. Often a loosely socketed power tube gives considerable trouble of this nature.

The power pack condenser unit may be broken down some place in the tube plate current supply, for this is a famous source of radio knocks. This unit should be carefully tested by a competent service man, and replaced if necessary. See that the voice coil of the speaker and cone are free and cannot knock on some adjacent parts when in operation.

The Round Table

(Continued from page 22)

a miracle if we get over one. Then, too, there is the worst menace of all to the DXer, the 24-hour stations of the west. On 1200 kcys., I have only three stations, due to KGFJ; whereas on the other crowded channels I have scored from 16 to 20 times. I do believe, however, that the waves travel Eastward the best."

"For the information of Clifford Lee of Springfield, Ohio, WOE is located at Palm Beach, Fla., and uses the following frequencies: 119, 143, 394 and 500 kcys., and is owned by the Radio Marine Corporation of America," informs Ivan D. Ide, Box 312, Genoa, Ill. "I also think that the VPM, heard by John McGill, Jr., is VPN, the government station at Nassau, Bahamas. Frequency not known; most likely a harmonic. KCAA that Dolphus Whitten, Jr., asks about is the station at Tulsa, Okla., owned by the Department of Commerce, Bureau of Lighthouses, and has the following frequencies: 240, 296, 3350, 3370, 5940 and 5960 kcys."

About WHDL, Tupper Lake

"WSVS is now limited to daytime only," comments J. W. Brauner, 17 E.

Spring St., Williamsville, N. Y. "This station has not increased power, but has made several changes in their transmitter, which accounts for the increased signal strength reported by some listeners. They are still using 50 watts. You do not include WHDL, Tupper Lake, N. Y., 1420 kcys., 100 watts, in your log. I know the Federal Radio Commission once listed this station as 'deleted' and never corrected the error, although in last week's bulletin they listed that they extended the WHDL license until their hearing was held. They applied for 250 watts, sharing 1220 kcys. with WCAD."

"I have tuned in on a Mexican chain, with XEW as the chain key station, on several occasions," reports James L. Goldwater, University of Wisconsin, Madison, Wis., "and have verified the fact by tuning in the identical program from three or four of the stations included at the same time. Broadcasts of concerts and other outstanding events, from Mexico City, are featured. The announcements of the hook-up, which are frequent, include the following stations in the chain: XEB, XEO, XEW, XEN and XETA in Mexico City; XES in Tampico; XET in Monterrey; XEU in Vera Cruz; XEA in Guadalajara, and XETB in Torreon."

Here is a suggestion from Paul A. Bischoff, 1229 N. 7th St., Burlington, Iowa: "I have noticed in RADEX that some listeners have been able to receive verifications from XER and XED, while others get their letters back marked 'fraudulent.' When I wrote down to XER I sent my report on a card instead of writing a letter. I received a verification promptly. If anyone wishes to receive a verification from either of these stations, I would suggest that they write on a card instead of a letter. In this way the postal officials can see that there is no money going through. I am sure that a verification will be received if this is done."

The Question Mill

(Continued from page 18)

1210 kcys. They were discussing London, Paris, driving on the left-side, the "Bobbies," etc. Can anyone identify this one?

"I sure got a thrill the other morning when I tuned in on a 500-watt Jap station," says Edmund M. Neel, P. O. Box 365, Duncan, B. C., Can., and asks, "Could you give me any information regarding a station on 850 kcys.? The announcer spoke in a foreign language and it faded out on the announcement."

"Perhaps some of your readers," suggests Wm. Armstrong, 424 W. 26th St., New York City, "can help me out on a station which I heard on the morning of January 12th at about 3:45 a.m. EST, broadcasting 'The Corn Cob program.' The station was heard on or about 1370 kcys."

"I am very anxious to know what is a standard for reception from Winnipeg," inquires Thos. A. Saul, 328 Olive St., St. James, Winnipeg, Man. "I have had 100-watt stations as far west as KPCB, Seattle, and south as far as XEE, Oaxaca, Mexico."

"What station in Colorado," inquires Wm. Scholer, 166 16th Ave., Paterson, N. J., "broadcasts a DX program every Friday night? I thought the announcer said Longs Peak or something resembling that. The call letters sounded like KDK on 1200 kcys."

Frank Claro, 387 Pine St., Brooklyn, N. Y., heard a station near 1380 kcys. on Sunday morning, January 31st, about 4:00 EST requesting verifications and asking that at least three songs heard be named. He is anxious to identify this one.

Can anyone tell Louis Alexander, Jr., 10 S. Ridgewood Road, So. Orange, N. J., what program he heard on Saturday between 9:45 and 10 p.m., January 9th. He says the program was mostly "Buck and Bubbles," a colored comedy team.

"Here is a question which a lot of people would like to know," writes Clarence Wakefield, Warton, Ont. "Why is static and fading always worse when you are dying to get the call letters?"

"I would like to get in touch with someone who has plans for a short-wave set, as I am building a set and got a little mixed up," requests Horace Van Fossen, 8608 Halstein Ave., Philadelphia, Pa.

"One evening I received WFIW, usually on 940 kcys., coming in fine on

680 kcys. What kind of a harmonic is that?" inquires R. Peterson, 2555 S. Logan Ave., Milwaukee, Wis.

"What causes my set to have nearly double volume when the ground is disconnected?" inquires W. A. Somerville, 549 Elbon Ave., Akron, Ohio.

"Would like to know at what time of day the 940 channel is clear so one can listen to KGU," inquires O. Ingmar Oleson, Ambrose, N. D.

Donald Bobb, P. O. Box 123, Merrilan, Wis., reports that he continually picks up a Spanish-speaking station on 1025 kcys.

Colonel Stoopnagle

(Continued from page 8)

"On one occasion Mr. Bopp thwarted a suicide."

"Thank God for your program," this fan wrote. "It saved me from doing the cowardly thing last night. I wonder what the future will be? Yours thankfully—Carol."

Both the Colonel and Budd are swamped with mail containing scripts which ambitious writers wish to have used in the broadcasts. Thousands have been received. None have been used. Some of them are good, it is true, but none are suitable.

The art of the Colonel and Budd is not always free from care. When the Colonel was rehearsing the part of Mr. Uh-Huh, vice-president in charge of making Pullman car windows hard to open, he nearly contracted pleurisy. The constant repetition of Uh-Huh in rich full tones suitable to the microphone made his chest sore for days.

Budd, that rare mimic, seldom suffers this way. His version of Rudy Vallee kissing his wife good-bye or the Westminister chimes after a vacuum cleaning, are not such a strain on the lungs.

Both of Budd's parents were excellent musicians although he does not play or read music. His work is all done by ear. He studied and sang his way through Georgetown University.

That virtuoso of the Mighty Gas-Pipe, the Colonel, giggled when asked about his musical education.

(Continued on Page 68)

WHAT'S ON THE AIR TONIGHT?

Fill in calls and dial numbers for those stations through which you best receive the three chains. You can then turn quickly to the one that has the feature you want.

COLUMBIA.....WABC

NATIONAL, Red.....WEAF

NATIONAL, Blue.....WJZ

Call	Dial	Call	Dial

Call	Dial	Call	Dial

Call	Dial	Call	Dial

MONDAY

E-8:00 a.m., C-7:00, M-6:00, P-5:00

R — Gene and Glenn
WBEN WCAE WCSH WEAF WEEI
WFI WFLA WGY WIS WJAR WJAX
WPTF WRC WRVA WSAI WTAG
WTAM WTIC WWJ WWNC

E-8:15 a.m., C-7:15, M-6:15, P-5:15

B — Phil Cook, Quaker Man
KDKA WBAL WBZA WGAR WJR
WJZ WLW

E-8:30 a.m., C-7:30, M-6:30, P-5:30

R — Cheerio
CFCF CKGW KPRC WAPI WBEN
WCAE WCFL WCKY WCSH WDAF
WEAF WEEI WFBR WFI WFLA
WGY WHAS WIOD WIS WJAR
WJAX WJDX WKY WQAI WWR
WPTF WRC WRVA WSB WSM
WSMB WTAG WTAM WTIC WWJ

E-9:00 a.m., C-8:00, M-7:00, P-6:00

R — Gene and Glenn
KFYR KPRC KSD KSTP KVOO
WAPI WDAF WDAY WEBC WFAA
WHAS WHO WIBA WJDX WKY WLS
WMC WOAI WOC WOV WSB WSM
WSMB WTAG WTAM WTMJ

E-9:15 a.m., C-8:15, M-7:15, P-6:15

B — Phil Cook, Quaker Man
KFYR KOIL KPRC KTHS KVOO
WDAY WEBC WFLA WIBA WIOD
WIS WJDX WKY WLS WMC WOAI
WREN WSB WSM WSMB WTMJ

E-10:15 a.m., C-9:15, M-8:15, P-7:15

B — Clara, Lu and Em
KDKA KFYR KOA KOIL KPRC
KSL KVOO KWK WAPI WBAL
WBPJ WDAY WEBC WFLA WGAR
WHAM WHAS WIBA WIOD WIS
WJAX WJDX WJR WJZ WKY
WMAQ WMC WOAI WPTF WREN
WRVA WSB WSM WSMB WTMJ
WWNC

E-11:45 a.m., C-10:45, M-9:45, P-8:45

C — Ben Alley, Tenor
CFRB KDYL KFH KFJF KLZ KMBC
KMOX KOH KSCJ KTHS KVR
WABC WACO WBCM WBT WCAH
WCAO WCAU WDBO WDRC WEAN
WFBL WHEC WHP WIBW WISN
WJAS WKBN WKWB WLAP WLWB
WLBZ WMAL WMT WNAC WOKO
WORC WPG WQAM WREC WSPD
WTAQ WTRW WTOC WWVA WXYZ

E-12:00 m., C-11:00, M-10:00, P-9:00

R — General Electric Circle
KEI KFSD KFYR KGO KGW KHQ
KOA KOMO KPRC KSD KSL KSTP
KTAR KTHS KVOO WAPI WBEN
WCAE WCSH WDAF WDAY WEAF
WEBC WEEI WENR WFAA WFBR
WFLA WGY WIBA WIOD WIS
WJAR WJAX WJDX WKY WLIT
WMC WOAI WOV WPTF WRC
WRVA WSAI WSB WSM WSMB
WTAG WTAM WTIC WTMJ WWJ

E-12:30 p.m., C-11:30, M-10:30, P-9:30

B — Farm and Home Hour
KDKA KFYR KOA KOIL KPRC
KSTP KTHS KVOO KWK KYW
WAPI WBAL WBZA WCKY WDAF
WDAY WEBC WFLA WGAR WHAM
WHAS WHO WIBA WIOD WJAX
WJDX WJR WJZ WLW WMC WOC
WOW WPTF WRC WREN WRVA
WSB WSM WSMB

E-4:30 p.m., C-3:30, M-2:30, P-1:30

R — Lady Next Door
WBEN WCSH WEAF WEEI WENR
WFBR WJAR WRC WTAG WTAM
WWJ

E-5:15 p.m., C-4:15, M-3:15, P-2:15

R — Skippy, Children's Program
WBEN WCAE WCSH WEAF WEEI
WFBR WGY WJAR WLIT WRC
WSAI WTAG WTAM WTIC WWJ

E-5:45 p.m., C-4:45, M-3:45, P-2:45

R — Russ Columbo Orchestra
CFCF CKGW KSD WBEN WCAE
WCSH WDAF WEAF WEEI WENR
WFBR WGY WHO WJAR WLIT
WOC WOV WRC WSAI WTAG
WTAM WTIC WWJ

B — Little Orphan Annie

WBAL WFLA WGAR WHAM WIOD
WJAX WJZ WLW WPTF WRVA

E-6:00 p.m., C-5:00, M-4:00, P-3:00

B — Raising Junior. See Sunday.
R — Waldorf-Astoria Orchestra
CKGW KFSD KGO KSD KSL WAPI
WCAE WDAF WEEI WENR WFI
WHAS WIOD WIS WJDX WKY
WRC WSM WTAG
C — Current Events, Kaltenborn
KFH KFJF KOH KRLD KSCJ KTRH
KVR WAAB WABC WACO WADC
WBT WDAE WDBO WDRC WFBL
WHP WKRC WLAP WLWB WLBZ
WMAL WOKO WORC WQAM WRBC
WSPD WTAQ WTRW WTOC WWVA

E-6:15 p.m., C-5:15, M-4:15, P-3:15

C — Vaughn de Leath
KFJF KOH KRLD KSCJ KVR
WAAB WABC WACO WADC WBRC
WBT WCAO WDAE WDBO WDRC
WFAN WFBL WGR WHEC WHK
WHP WIP WISN WLWB WLBZ
WMAL WOKO WORC WQAM WRBC
WSPD WTAQ WTRW WTOC WWVA
B — Royal Vagabonds
KOIL KWK WAPI WBAL WHAM
WHAS WJZ WLW WMAQ WOAI
WREN WSB WTMJ

E-6:45 p.m., C-5:45, M-4:45, P-3:45

C — Arthur Jarrett, Freddie Rich Orch.
CFRB KDYL KFH KFJF KFYR
KGB KLZ KMBC KMOX KOH
KSCJ KTRH KTHS KYI KVR
WAAB WABC WACO WADC WBBM
WBRC WBT WCAH WCAO WWVA
WDAE WDBO WDRC WFBL WGR

WHEC WHP WIBW WJAS WKBN
WKWB WKRC WLAP WLWB WLBZ
WMAL WMT WNAC WOKO WORC
WPG WQAM WREN WSPD WTAQ
WTRW WTOC WWVA WXYZ

R — Swift Program, Stebbins Boys

KSD WBEN WCAE WCSH WEAF
WEEI WFBR WFI WGY WJAR
WRC WTAG WTAM WTIC WWJ
B — Lowell Thomas, Literary Digest
KDKA WBAL WBZA WGAR WHAM WJZ
WLW

B — Little Orphan Annie

KFYR KOIL KPRC KSTP KWK
WDAY WEBC WENR WKY WOAI

E-7:00 p.m., C-6:00, M-5:00, P-4:00

C — Myrt and Marge
KMOX WABC WADC WCAO WCAU
WDRC WPBL WGR WJAS WKRC
WMAL WNAC WOKO WSPD WWVA
R — Vermont Lumber Jacks
WBEN WCAE WCSH WEAF WEEI
WENR WFBR WGY WJAR WLIT
WSAI WTAG WTIC WWJ

B — Pepsodent, Amos 'n' Andy

CFCF CKGW KDKA WBAL WBZA
WCKY WFLA WGAR WHAM WIOD
WJAX WJR WJZ WLW WPTF WRC

E-7:15 p.m., C-6:15, M-5:15, P-4:15

C — Cremo, Bing Crosby
WABC WACO WADC WBIG WBT
WCAH WCAO WCAU WDAE WDBJ
WDBO WDRC WEAN WFBL WGR
WHEC WHK WHP WJAS WKRC
WLWB WLBZ WMAL WMBD WRC
WOKO WORC WQAM WRR WSPD
WTRW WTOC WXYZ

R — Campbell, Howard Lannin Orch.

CFCF CKGW WBEN WCSH WDAF
WEAF WENR WFBR WGY WHO
WJAR WLIT WOC WOV WRC WSAI
WTAG WTAM WWJ

B — Tastyest Jesters

KDKA WBAL WBZA WCKY WGAR
WJZ WREN

E-7:30 p.m., C-6:30, M-5:30, P-4:30

C — Pompeian, Boswell Sisters
KMBC KMOX WABC WADC WCAO
WCAU WDJAC WEAN WFBL WGN
WGR WHK WJAS WKRC WMAL
WNAC WOVO WSPD WXYZ

R — Prince Albert, Alice Joy

KECA KFYR KGA KJR KOA KPO
KSL KSTP KTAR WBEN WCSH
WDAF WDAY WEAF WEBC WEEI
WFBR WFLA WGY WIBA WIOD
WIS WJAR WJAX WKY WLIT
WOAI WPTF WRC WRVA WSAI
WTAG WTAM WTMJ WWJ WWNC

B — San Felice Serenade

KOIL WBAL WCKY WENR WHAM
WJZ WREN

E-7:45 p.m., C-6:45, M-5:45, P-4:45

C — Camel, Morton Downey
KFH KFJF KLRA KMBC KMOX
KRLD KSCJ KTRH WABC WACO
WADC WBIG WBRC WBT WCAH

Monday—Continued

WCAO WCAU WCCO WDAE WDBJ
WDBO WDOD WDRC WBSU WEAN
WFBL WFBM WGR WGST WHEC
WHK WHF WIBW WISN WJAS
WKRC WLAC WLAP WLZ WMAL
WMT WNAC WNAX WNOX WOKO
WORC WQAM WREC WSPD WTAZ
WTOC WUYA WXYZ

R—The Goldbergs
WBEN WCAE WEAF WENR WGY
WSAI WTAM WWJ

R—Swift, Stebbins Boys
KOA KPRC KSTP KYW WDAF
WFAA WHAS WHO WKY WMC
WOC WOW WSB WSM WSMB

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C—Bath Club, Margaret Santry
KMBC KMOX WABC WADC WCAO
WCAU WCCO WDRC WEAN WFBL
WFBM WGN WGR WGST WHK
WISN WJAS WKRC WMAL WNAC
WOKO WSPD WXYZ

R—Soconyland Sketches
WBEN WCHS WEEL WGY WJAR
WTAG WTIC WEAF

B—The Contented Program
CKGW KOIL KPRC KWK KYW
WBAL WCKY WDAY WFLA WHAS
WBA WIOD WJAX WJR WJZ
WREN WRVA WSB WTMJ WNNC

E-8:15 p.m., C-7:15, M-6:15, P-5:15
C—Singing Sam, Barbasol Man
KMBC KMOX WABC WADC WCAO
WCAU WCCO WDRC WEAN WFBL
WFBM WGN WHK WJAS WKRC
WKRC WMAL WNAC WOKO WSPD

C—Guy Lombardo and Orchestra
KLRA WBIG WBRG WBT WDAE
WDBJ WDHO WDOD WDSU WFIW
WGST WLAC WODX WPG WQAM
WREC WTAZ WTOC

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C—La Palina, Kate Smith
KMBC KMOX WABC WADC WBCM
WCAH WCAU WCAU WCCO WFBL
WFBM WGN WGR WHEC WHK
WISN WJAS WKRC WLAP WMAL
WSPD WXYZ

C—Four Chubmen, Quartette
KSCJ WAAB WBCM WDAE WDRC
R—Firestone, Lawrence Tibbett
CFOP CKGW KPRC KSD KTHS
KVOO WBEN WCAE WCHS WDAF
WEAF WEEL WFAA WFRB WFLA
WGY WHAS WHO WIOD WIS
WJAR WJAX WJDX WKY WLIT
WMAQ WMC WOAI WOC WOW
WRC WRVA WSAI WSB WSM
WSMB WTAG WTAM WTIC WJZ

B—Death Valley Days
KDKA KFI KFSB KFYR KGO
KGV KHQ KOA KOIL KOMO
KSL KSTP KTAR KWK WBAL
WBZA WJZY WEGC WGAR WHAM
WIBA WJZ WLS WREN

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C—Col. Stoppnagle and Budd
CFRB KMBC KMOX WABC WADC
WCAO WCAU WDRC WEAN WFBL
WGN WGR WHK WJAS WNAC
WOWO WSPD WXYZ

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C—Vapex, Mills Bros.
KMBC KMOX WABC WADC WCAO
WCAU WDRC WEAN WFBL WGN
WHK WJAS WKRB WKRC WMAL
WNAC WOKO WOWO WSPD WXYZ

C—Arabesque, Desert Play
WBCM WBRG WBT WDAE WDBO
WQAM WRC WTAZ WTOC

R—A. & P. Gypsies
KSD WBEN WCAE WCHS WDAF
WEAF WEEL WGY WHO WJAR
WLIT WMAQ WOC WOW WRC
WSAI WTAG WTAM WTIC WWJ

B—Maytag Orchestra
KDKA KFI KFYR KGO KGW
KHQ KOA KOMO KPRC KSL KSTP
KVOO KWK WBAL WBZA WDAY
WEBC WFAA WGAR WHAM WJR
WJZ WKY WLS WMC WOAI WREN

E-9:15 p.m., C-8:15, M-7:15, P-6:15
C—Frostilla Broadcast Rehearsal
CFRB KMOX WABC WADC WCAO
WCAU WDRC WEAN WFBL WGN
WJAS WKRB WKRC WMAL WNAC
WOKO WOWO WRR WSPD WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
C—Bourjois, Evening in Paris
KMBC KMOX WABC WADC WBT
WCAO WCAU WEAN WFBL WGN
WHEC WHK WJAS WKRB WKRC
WMAL WMT WNAC WOWO WSPD

R—Parade of the States
KFI KFYR KGO KGW KHQ KOA
KOMO KPRC KSD KSL KSTP
WBEN WCAE WCHS WDAF WEAF
WEEL WENR WFAA WGY WHAS
WHO WJAR WJAX WKY WLIT
WMC WOAI WOC WOW WRC
WSAI WSB WSM WTAG WTAM
WTIC WTMJ WWJ

B—Story of Women's Names
KOIL KWK WBAL WGAR WHAM
WJR WJZ WLW WREN KYW

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C—Robert Burns, Lombardo
KDYL KFJF KFPY KFRK KHJ
KLZ KMBC KMOX KOIN KOL
KRLD KTRH KTSB WABC WADC
WBBM WCAO WCAU WCCO WDRC
WEAN WFBL WFBM WHK WJAS
WKBB WKRC WMAL WNAC WOWO
WSPD WXYZ

C—The Columbians, Freddie Rich
WBCM WBRG WBT WDBO WREC
WTAR WTOC

R—National Radio Forum
KFSB KFYR KGHF KGIR KGO
KGW KOMO KPRC KSD KSL
KSTP KTAR WBAP WBEN WCAE
WCHS WDAY WEAF WEBC WEEL
WENR WFLA WGY WHAS WIO
WIBA WIOD WIS WJAR WJAX
WJDX WKY WMC WOC WRC
WRVA WSAI WSB WSM WSMB
WTAG WTAM WTIC WTMJ WWJ
WNNC

B—With Canada's Mounted
KDKA KWK WBAL WBZA WGAR
WHAM WJR WJZ WLW WMAQ
WREN

E-10:30 p.m., C-9:30, M-8:30, P-7:30
C—Music That Satisfies
KDYL KFJF KFJF KFPY KFRK
KGB KHJ KLRA KLZ KMBC KMOX
KOH KOIN KOL KSCJ KTRH KTSB
WAAB WABC WACO WADC WBBM
WBCM WBRG WBT WCAH WCAO
WCAU WCCO WDAE WDBJ WDBO
WDOD WDRC WDSU WEAN WFBL
WFBM WGST WHEC WHK WHP
WIBW WISN WJAS WKRB WKRC
WLAC WLWB WLZ WMAL WMT
WNAX WNOX WOKO WORC WOWO
WPG WQAM WREC WRR WSPD
WTAR WTOC WXYZ

R—Mr. Bones and Company
WBEN WCAE WCHS WEAF WEEL
WENR WFRB WFLA WGY WHO
WIS WJAR WLIT WOC WRC WSAI
WTAG WWJ WNNC

E-10:45 p.m., C-9:45, M-8:45, P-7:45
C—Street Singer
CFRB KFJF KGB WAAB WABC
WADC WBRG WBT WCAO WCAU
WDAE WDBO WDRC WEAN WFBL
WHEC WHP WJAS WKRB WLZ
WMAL WMT WOKO WORC WPG
WQAM WREC WTAZ WTOC

C—Myrt and Marge
KDYL KFPY KFRK KHJ KLZ
KMBC KOIN KOL WBBM WCCO
WLAP WXYZ

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C—Cremona, Bing Crosby
KDYL KFJF KFJF KFPY KLRA
KLZ KMBC KMOX KOH KOIN KOL
KSCJ KTRH KTSB WBCM WCCO
WDOD WDRC WDSU WFBM WGN
WGST WJAW WISN WLAC WLAP
WMT WNAX WNOX WOWO WREC

B—Pennington, Amos 'n' Andy
KFI KFSB KGO KGW KHQ KOA
KOIL KOMO KPRC KSL KSTP
KTHS KWK WBAP WDAF WEBC
WENR WHAS WIBA WJDX WKY
WMAQ WMC WOAI WREN WSB
WSM WSMB WTMJ

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C—Toscha Seidel, Howard Barlow
CFRB KDYL KFJF KFJF KLZ KSCJ
KTRH KTSB KVR WAAB WABC
WACO WADC WBRG WBT WCAH
WCAO WCAU WDAE WDBO WDRC
WEAN WHEC WHP WIBW WISN
WKBN WKRB WKRC WLAP WLWB
WLBZ WMT WNAX WOC WORC
WOWO WQAM WREC WSPD WTAZ
WTOC WXYZ

R—Prince Albert, Alice Joy
KECA KEKX KGA KGIR KJR KOA
KPO KPRC KSD KTAR KTHS
WAPI WBAP WENR WHAS WHO
WJDX WMC WOC WOW WSB WSM

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C—Camel, Morton Downey
KDYL KFPY KLZ KOH KOIN KOL
KTSB WGN WOWO

R—Jesse Crawford, Organ
KSD WCKY WEAF WJAR WRC
WSM WTIC WWJ

R—Firestone, Lawrence Tibbett
KFI KFSB KFYR KGHF KGIR
KGO KGU KGW KHQ KOA KOMO
KSL KTAR WEBC WBA WTMJ
B—Jane Froman and Orchestra
KOIL KPRC WBAL WENR WJZ
WREN

E-12:00 a.m., C-11:00, M-10:00, P-9:00
C—Ben Bernie, Orchestra
KDYL KFJF KLZ KOH KSCJ KTRH
KVR WABC WCAU WCCO WEAN
WFBL WHP WIBW WISN WKBN
WKBB WKRC WLAP WLWB WMT
WNAX WNAX WOKO WSPD

R—Earl Hines, Orchestra
KPYR KSD WAPI WEAF WIBA
WRC WSB WSM

E-12:30 a.m., C-11:30, M-10:30, P-9:30
C—Noble Sissle, Park Central Orch
KDYL KFJF KLZ KMBC KOH KSCJ
KTRH KVR WABC WCAU WCCO
WEAN WFBL WHP WIBW WISN
WKBN WKBB WLAP WLWB WNAC
WNAX WOC WSPD

TUESDAY

E-8:30 a.m., C-7:00, M-6:00, P-5:00
R—Gene and Glenn, See Monday

E-8:15 a.m., C-7:15, M-6:15, P-5:15
B—Phil Cook, See Monday

E-8:30 a.m., C-7:30, M-6:30, P-5:30
R—Cheerio, See Monday

E-9:00 a.m., C-8:00, M-7:00, P-6:00
 B — Phil Cook, See Monday
 R — Gene and Glenn, See Monday

E-10:15 a.m., C-9:15, M-8:15, P-7:15
 B — Clara, Lu and Em, See Monday

E-11:45 a.m., C-10:45, M-9:45, P-8:45
 C — Ben Alley, See Monday

E-12:00 m., C-11:00, M-10:00, P-9:00
 R — General Electric, See Monday

E-12:30 p.m., C-11:30, M-10:30, P-9:30
 B — Farm and Home, See Monday

E-4:30 p.m., C-3:30, M-2:30, P-1:30
 R — Lady Next Door, See Monday

E-5:15 p.m., C-4:15, M-3:15, P-2:15
 R — Skippy, See Monday

E-5:45 p.m., C-4:45, M-3:45, P-2:45
 B — Orphan Annie, See Monday

E-6:00 p.m., C-5:00, M-4:00, P-3:00
 C — Art Jarrett, Freddie Rich, Orchestra
 CFRB KFH KFJF KLZ KOH KSCJ
 KTRH KVR WAAB WABC WACO
 WADC WBBM WBRB WBT WCAH
 WCCO WDAE WDBO WFBL WFL
 WKRC WLAP WLWB WLWB WMAL
 WORC WORC WQAM WREC WTAG
 WTAR WTOC
 B — Raising Junior, See Sunday
 R — Waldorf Orchestra, See Monday

E-6:15 p.m., C-5:15, M-4:15, P-3:15
 C — Reis and Dunn
 CFRB KFH KFJF KMOX KOE
 KSCJ KTRH KVR WAAB WABC
 WACO WADC WBRB WBT WCAO
 WCCO WDAE WDBO WFBL WGR
 WHP WISN WLAP WLWB WLWB
 WMAL WOKO WORC WQAM WREC
 WTAG WTAR WTOC WVVA

E-6:30 p.m., C-5:30, M-4:30, P-3:30
 B — Ray Perkins, Old Topper
 KGO KGW KHQ KOA KOIL KOMO
 KSL KWK WBZA WGR WHAM
 WJZ WLW WMAQ WREN

E-6:45 p.m., C-5:45, M-4:45, P-3:45
 C — Frank Stretz, Orchestra
 KMBC KRLL WAAB WABC WBBM
 WCAU WDRC WEAN WHK WKBW
 WMAL WXYZ
 R — Stebbins Boys, See Monday
 B — Lowell Thomas, See Monday
 B — Orphan Annie, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
 C — Myrt and Marge, See Monday
 B — Amos 'n' Andy, See Monday
 R — Mid-Week Hymn Sing
 KEX KGA KGIR KJR KOA KPO
 KSTP KTAR WEAF WFI WJDX
 WSAI WBS WSM WTAG WTIC

E-7:15 p.m., C-6:15, M-5:15, P-4:15
 C — Bing Crosby, See Monday
 R — Campbell-Lanin, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
 C — Kaltenborn Edits the News
 KMBC KMOX WABC WADC WBBM
 WCAO WCAU WCCO WDRC WEAN
 WFBL WFBM WGR WHK WJAS
 WKRC WLWB WNAC WSPD WXYZ
 R — Alice Joy, See Monday
 B — Sylvia Froos, Songs
 KEX KGA KJR KOIL WBAL WGAR
 WHAS WJDX WJR WJZ WMC
 WREN WSB WSM WSBM

E-7:45 p.m., C-6:45, M-5:45, P-4:45
 C — Morton Downey, See Monday
 R — The Goldbergs, See Monday
 R — Stebbins Boys, See Monday
 B — Back of the News
 KFSD KFYR KGHL KGIR KGO
 KHQ KOA KOIL KOMO KSL WCKY

WDAY WFLA WIBA WIOD WIS
 WJZ WRC WREN WWNC

E-8:00 p.m., C-7:00, M-6:00, P-5:00
 C — Bath Club, See Monday
 R — Blackstone, Sanderson-Crumit
 KSD KSTP KYW WBNB WCAE
 WBSN WDAF WEAF WEBC WEEI
 WFI WGY WHO WJAR WOC WOW
 WRC WSAI WTAG WTAM WTIC

E-8:15 p.m., C-7:15, M-6:15, P-5:15
 C — Sterling, Abe Lyman's Band
 KFJF KMBC KMOX WABC WADC
 WCAO WCAU WCCO WDRC WDSU
 WEAN WFBM WGN WGR WGST
 WHK WJAS WKRC WMAL WNAC
 WREC WSPD WXYZ

E-8:30 p.m., C-7:30, M-6:30, P-5:30
 C — Kate Smith, See Monday
 R — True Story, Mary and Bob
 WBNB WBSN WDAF WEAF WEEI
 WFBM WFI WGY WHAS WHO
 WIOD WJAR WJDX WMC WOC
 WOW WRC WSAI WSM WSBM
 WTAG WTAM WTIC WWNC
 B — Heel Hugger Harmonies
 KPI KFSD KGW KHQ KOA KOIL
 KOMO KPO KSL KTAR WHAM
 WJZ WLS WREN

E-8:45 p.m., C-7:45, M-6:45, P-5:45
 C — Gerardine, Ed Sullivan
 KMBC KMOX WABC WADC WCAO
 WCAU WDRC WEAN WFBM WGN
 WGR WHK WJAS WKRC WMAL
 WNAC WOWO WSPD WXYZ
 B — Sisters of the Skillet
 KDKA KFYR KOIL KPRC KSTP
 KVOO KWK WBAP WBZA WDAY
 WHAM WIBA WJZ WKY WLS
 WOAI WREN

E-9:00 p.m., C-8:00, M-7:00, P-6:00
 C — Ben Bernie, Orchestra
 KDYL KFH KFJF KFPY KPRC
 KILJ KLZ KMBC KOIN KOL KTSB
 WABC WADC WBRB WBT WCAO
 WCAU WCCO WDRC WDSU WEAN
 WGN WHK WJAS WKBN WKBW
 WKRC WLAC WMAL WNAC WOWO
 WRR WSPD WXYZ KTHH
 R — McKesson Musical Magazine
 KFI KFSD KFYR KGO KGW KHQ
 KOA KOMO KPRC KSD KSL LTAR
 KTHS KVOO WBNB WCAE WBSN
 WDAF WDAY WEAF WEBC WEEI
 WFI WFLA WGY WHAS WHO
 WIOD WIS WJAR WJAX WJDX
 WKY WLS WMC WOAI WOC WOW
 WRC WRVA WSAI WBS WSM WSBM
 WTAG WTAM WTIC WTMJ WWJ
 B — Household Finance
 KDKA KWK WBAL WBZA WHAM
 WJR WJZ WMAQ WREN

E-9:30 p.m., C-8:30, M-7:30, P-6:30
 C — Eno Crime Club
 CFRB KMBC KMOX WABC WADC
 WCAO WCAU WDRC WEAN WFBL
 WGN WHK WJAS WKBW WKRC
 WMAL WNAC WOWO WSPD WXYZ
 C — Dictators Dance Orchestra
 KLRA WBIG WBRB WBT WDAE
 WDBJ WDBO WDOD WDSU WFIW
 WGST WLAC WNOX WODX WPG
 WQAM WREC WTAR WTOC
 R — The Fuller Man
 KFI KGO KGW KHQ KOA KOMO
 KSD KSL KSTP KYW WBAP WBNB
 WCAE WBSN WDAF WEAF WEEI
 WEEI WFI WGY WHO WJAR WKY
 WOAI WOC WOW WRC WSAI WBS
 WTAG WTAM WTIC WTMJ WWJ
 B — Great Personalities, Frazier Hunt
 KDKA KOIL KWK WBAL WBZA

WENR WGAR WHAM WJR WJZ
 WLW WREN WRVA

E-10:00 p.m., C-9:00, M-8:00, P-7:00
 C — Voice of Thousand Shades
 KDYL KFJF KLZ KMOX KRLL
 KTRH WAAB WABC WADC WBBM
 WBRB WBT WCAO WCAU WCCO
 WDRC WDSU WFBL WFBM WHK
 WIBW WJAS WKBW WKRC WMAL
 WOKO WOWO WSPD WXYZ
 R — Lucky Strike, Walter Winchell
 KPI KFSD KFYR KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KTAR WAPI WBNB WCAE WBSN
 WDAF WDAY WEAF WEBC WEEI
 WENR WFAA WFBM WFI WFLA
 WGY WHAS WHO WIBA WIOD
 WIS WJAR WJAX WJDX WKY
 WMC WOAI WOC WRC WRVA
 WSAI WBS WSM WSBM WTAG
 WTAM WTIC WTMJ WWJ WWNC
 B — Russ Colombo, Orchestra
 CFCE KOIL KWK WCKY WGAR
 WHAM WJR WJZ WREN

E-10:30 p.m., C-9:30, M-8:30, P-7:30
 C — Music That Satisfies, See Monday
 B — Paris Night Life
 KDKA KOIL KYW WBZA WCKY
 WGAR WHAM WJZ WREN

E-10:45 p.m., C-9:45, M-8:45, P-7:45
 C — Jack Miller, Orchestra
 CFRB WAAB WABC WADC WABC
 WBRB WBT WCAO WDAE WDBO
 WDRC WEAN WFBM WFBL WHEC
 WHP WIP WJAS WKBN WKBW
 WPG WQAM WMAI WOKO WORC
 WLB WQAM WREC WTAR WTOC
 C — Myrt and Marge, See Monday

E-11:00 p.m., C-10:00, M-9:00, P-8:00
 C — Bing Crosby, See Monday
 R — Marion Harris, Song Recital
 KSD WEAF WFI WGY WIOD WIS
 WJAX WRC WTIC WWJ
 B — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
 C — Howard Barlow, Col. Symphony
 CFRB KDYL KFH KFJF KFPY
 KPRC KGB KLZ KMBC KOH KSCJ
 KTRH KTSB KVR WAAB WABC
 WACO WADC WBRB WBT WCAH
 WCAO WCAU WDAE WDBO WDRC
 WEAN WFBL WHEC WHP WIBW
 WISN WKBW WKRC WLAP WLWB
 WLWB WMT WNAX WOKO WORC
 WOWO WQAM WREC WSPD WTAR
 WTOC WXYZ
 R — Jesse Crawford, Organ
 WEAF WFI WIOD WJAR WRC
 R — Alice Joy, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
 C — George Olsen, Orchestra
 WAAB WABC WBSM WBRB WBT
 WCAO WCAU WDAE WDBO WDRC
 WLWB WMAL WORC WQAM WREC
 WTAR WTOC
 C — Morton Downey, See Monday
 R — Jack Denny, Orchestra
 CFCE KFYR KOA KSD KTHS
 WBNB WEAF WENR WFI WIBA
 WIOD WJAR WJAX WRC WTAM
 WTIC WJZ
 B — Three Doctors, See Sunday

E-12:00 m., C-11:00, M-10:00, P-9:00
 C — Gus Arnheim and Orchestra
 KDYL KFAB KFBK KFJF KLZ
 KMBC KMOX KOH KOIN KSCJ
 KVR WAAB WCAU WCCO WEAN
 WFBL WHP WIBW WISN WKBW
 WKBW WKRC WLAP WLWB WMAL
 WMBD WMT WNAC WNAX WOKO
 WSPD

Tuesday—Continued

E-12:05 a.m., C-11:05, M-10:05, P-9:05
R—Rudy Vallee, Connecticut Yankees
KFYR KOA KSD KTHS WBN
WDAF WEAF WHO WOC WOW
WRC WSB WSM WTIC WTMJ

WEDNESDAY

E-8:00 a.m., C-7:00, M-6:00, P-5:00
R—Gene and Glenn, See Monday
 E-8:15 a.m., C-7:15, M-6:15, P-5:15
B—Phil Cook, See Monday

E-8:30 a.m., C-7:30, M-6:30, P-5:30
R—Cheerio, See Monday

E-9:00 a.m., C-8:00, M-7:00, P-6:00
R—Gene and Glenn, See Monday

E-9:15 a.m., C-8:15, M-7:15, P-6:15
B—Phil Cook, See Monday

E-10:15 a.m., C-9:15, M-8:15, P-7:15
B—Clara, Lu and Em, See Monday

E-12:00 m., C-11:00, M-10:00, P-9:00
R—General Electric, See Monday

E-12:30 p.m., C-11:30, M-10:30, P-9:30
B—Farm and Home, See Monday

E-3:15 p.m., C-2:15, M-1:15, P-12:15
C—Ann Leaf and Ben Alley

CFRB KDBL KFBK KJFJ KFPY
KFRC KGV KHJ KLRA KLZ KMBC
KMOX KOIN KOL KRJD KTRH
KTSA KVI WAIC WADC WBRB
WCAH WCAO WCAU WCCO WDBJ
WDRG WDSU WFEA WFBL WFBM
WGN WGR WGST WHK WHP
WISN WJAS WKBN WKRC WLOZ
WLAP WMAL WNAC WOKO WORC
WOWO WPG WREC WSPD WTAR
WWVA WXYZ

E-4:30 p.m., C-3:30, M-2:30, P-1:30
R—Lady Next Door, See Monday

E-5:15 p.m., C-4:15, M-3:15, P-2:15
R—Skippy, See Monday

E-5:45 p.m., C-4:45, M-3:45, P-2:45
B—Orphan Annie, See Monday

E-6:00 p.m., C-5:00, M-4:00, P-3:00
R—Waldorf Orchestra, See Monday

B—Music Treasure Box
KFYR KTHS WBAL WENR WHAM
WJDX WJZ WRC WREN WSB WSM

E-6:15 p.m., C-5:15, M-4:15, P-3:15
C—Harold Stern's Orchestra

KFH KJFJ KMOX KOH KRLD KSCJ
KTRH KFOR WAAB WABC WACO
WADC WBRB WBT WDAE WDBO
WDRG WEAN WFAE WFBL WGR
WHCC WHP WIP WISN WLAP
WLWB WLWB WMAL WOKO WORC
WQAM WREC WSPD WTAQ WTAR
WTOC WWVA

E-6:30 p.m., C-5:30, M-4:30, P-3:30
B—Royal Vagabonds, See Monday

E-6:45 p.m., C-5:45, M-4:45, P-3:45
C—Art Jarrett, Freddie Rich, See Mon.

R—Stebbins Boys, See Monday
B—Lowell Thomas, See Monday
B—Orphan Annie, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C—Myrt and Marge, See Monday
B—Amos 'n' Andy, See Monday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
C—Bing Crosby, See Monday

R—Campbell-Lanin, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C—Reis and Dunn

KLRA WBIG WBRB WBT WDAE
WDBJ WDBO WDDO WDSU WFIW
WGST WLAC WNOX WODX WTAR
WTOC

C—Boswell Sisters, See Monday
R—Alice Joy, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C—Morton Downey, See Monday

R—The Goldbergs, See Monday
B—Stebbins Boys, See Monday

B—Esso Program, Elsie Janis
KDKA WBAL WBZA WHAM WJZ
WJZ WPTF WRVA WVNC

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C—Bath Club, See Monday

R—Big Time, Humorous Sketch
KSD WBEN WCSH WEAF WEEI
WFBR WGY WHO WJAR WLIT
WMAQ WOC WOW WRC WSAI
WTAM WJJ

E-8:15 p.m., C-7:15, M-6:15, P-5:15
C—Singin' Sam, See Monday

C—Light Opera Gems
WBGM WBRB WBT WDAE WDBO
WPG WQAM WREC WTAR WTOB

B—Melo-Clariens, Twin Organs
KFYR KOA KOIL KPRC KSL KSTP
KVOO KWK KYW WBAL WBAP
WBZA WCKY WDAY WEBC WFAA
WFLA WGR WHAM WHAS WIBA
WIOD WJAX WJDX WJR WJZ
WKY WMC WOAI WREN WRVA
WSB WSM WSMB WTMJ WVNC

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C—Kate Smith, See Monday

R—Goodyear, Sousa's Band
KFYR KGO KGW KHQ KOA KOMO
KPRC KSD KSL KSTP KVOO KYW
WBEN WCAE WCSH WDAF WDAY
WEAF WEBC WEEI WFBR WFLA
WGY WHAS WHO WIBA WIOD
WIS WJAR WJAX WJDX WKY
WLIT WMC WOAI WOC WOW
WRC WSAI WSB WSMB WTAG
WTAM WTIC WTMJ WJZ WVNC
B—Jack Frost, Melody Moments
KDKA WBAL WGR WHAM WJR
WJZ WLS WLW

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C—Col. Stoopnagle, See Monday

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C—Gold Medal Fast Freight

KFH KMBC KMOX KSCJ WABC
WADC WCAO WCAU WCCO WDBJ
WDRG WEAN WFBL WFBM WGR
WHK WJAS WKWB WKRC WMAL
WMT WNAC WOKO WOWO WSPD

R—Halsey-Stewart Program
CKGW KPI KGO KGW KHQ KOA
KOMO KPRC KSD KSL KSTP
KVOO KYW WBEN WCAE WCSH
WEAF WEEI WFBR WGY WHAS
WHO WJAR WJAX WLIT WMC
WOAI WOC WOW WRC WRVA
WSAI WSB WSM WSMB WTAG
WTAM WTMJ WJJ

B—Sherlock Holmes
KDKA KWK WBAL WBZA WGR
WHAM WJR WJZ WLW WMAQ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
C—Crim Club, See Tuesday

C—Ann Leaf at the Organ
KFRC KSCJ WBCN WBRB WBT
WDAE WDBO WPG WQAM WREC
WTAR WTOC

R—Mobiloil Concert
KFYR KGO KGW KHQ KOA KOMO
KPRC KSD KSL KSTP KVOO WENO
WCAE WCSH WDAF WDAY WEAF
WEEI WFAA WFBR WFLA WGY
WHAS WHO WIOD WIS WJAR
WJAX WJDX WKY WLIT WMAQ
WMC WOAI WOC WOW WPTF
WRC WRVA WSAI WSB WSM
WSMB WTAG WTAM WTIC WJZ
B—Story of Women's Names, See Mon.

E-9:45 p.m., C-8:45, M-7:45, P-6:45
B—Marge, the Steno.

KOIL WBAL WENR WGR WHAM
WJZ WREN

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C—Vitality Personalities

KDYL KJFJ KFPY KFRC KHJ
KLRA KLZ KMBC KMOX KOIN
KOL KRLD KTRH KTSA WAAB
WABC WADC WBBM WBRB WBT
WCAH WCAO WCAU WCCO WDRG
WDSU WEAN WFBL WFBM WGST
WHK WISN WJAS WKWB WKRC
WLAC WMAL WOKO WOWO WREC
WSPD WXYZ

R—Coca Cola
KPI KFSD KGO KGW KHQ KOA
KOMO KPRC KSD KSL KSTP
WAPI WBAP WBEN WCAE WCSH
WDAF WEAF WEBC WEEI WENR
WFBR WFLA WGY WHAS WHO
WIOD WIS WJAR WJAX WJDX
WLIT WMC WOAI WOC WOW
WRC WSAI WSB WSM WSMB WTAG
WTAM WTMJ WJZ WVNC

B—Russ Columbo, See Tuesday

E-10:15 p.m., C-9:15, M-8:15, P-7:15
C—Modern Male Chorus

KLRA WBIG WBRB WBT WDAE
WDBJ WDBO WDDO WDSU WFIW
WGST WLAC WNOX WPG WREC
WTAR WTOC

E-10:30 p.m., C-9:30, M-8:30, P-7:30
C—Music That Satisfies, See Monday

R—NBC Artists Program
CFCE CKGW KGO KOA KSD KSTP
WBEN WCAE WCSH WEAF WENR
WFBR WGY WHO WJAR WOAI
WOC WOW WRC WTAG WTAM
WJZ WVNC

B—Hollywood Nights
KDKA KOIL KWK KYW WBAL
WBZA WCKY WGR WHAM WJR
WJZ WREN

E-10:45 p.m., C-9:45, M-8:45, P-7:45
C—Street Singer, See Monday

C—Myrt and Marge, See Monday

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C—Bing Crosby, See Monday

R—Nellie Revell
KSD WEAF WGY WJAR WOW
WRC WTAM WJZ

B—Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C—Toscha Seidel, See Monday

R—Jesse Crawford, See Tuesday
R—Alice Joy, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C—Don Redman, Orchestra

WAAB WABC WBCM WBRB WBT
WCAO WCAU WDAE WDBO WDRG
WLWB WMAL WORC WPG WQAM
WREC WTAR WTOC

C—Morton Downey, See Monday
R—Vincent Lopez, Orchestra
KFYR KPRC WAPI WBEN WCFL
WCKY WEAF WGY WIBA WJAR
WOW WRC WTMJ WJZ

E-12:00 m., C-11:00, M-10:00, P-9:00
C—Eddie Duchin, Casino Orchestra

KDYL KFH KGB KHJ KLZ KMBC
KOH KSCJ KTRH KVR WABC
WCAU WCCO WEAN WFBL WHK
WHP WISN WKBN WKWB WKRC
WLAP WLWB WMT WNAC WNAX
WOKO WSPD

E-12:05 a.m., C-11:05, M-10:05, P-9:05
R—Coon-Sanders, Orchestra

KFSD KHQ KOA WAPI WEAF
WENR WGY WRC WSB

THURSDAY

E-8:00 a.m., C-7:00, M-6:00, P-5:00
 R — Gene and Glenn, See Monday

E-8:15 a.m., C-7:15, M-6:15, P-6:15
 B — Phil Cook, See Monday

E-8:30 a.m., C-7:30, M-6:30, P-5:30
 R — Cheerio, See Monday

E-9:00 a.m., C-8:00, M-7:00, P-6:00
 R — Gene and Glenn, See Monday

E-9:15 a.m., C-8:15, M-7:15, P-6:15
 B — Phil Cook, See Monday

E-10:15 a.m., C-9:15, M-8:15, P-7:15
 B — Clara, Lu and Em, See Monday

E-11:45 a.m., C-10:45, M-9:45, P-8:45
 C — Ben Alley, See Monday

E-12:00 m., C-11:00, M-10:00, P-9:00
 R — General Electric, See Monday

E-12:30 p.m., C-11:30, M-10:30, P-9:30
 B — Farm and Home, See Monday

E-4:30 p.m., C-3:30, M-2:30, P-1:30
 R — Lady Next Door, See Monday

E-5:15 p.m., C-4:15, M-3:15, P-2:15
 R — Skippy, See Monday

E-5:45 p.m., C-4:45, M-3:45, P-2:45
 R — Russ Columbo, See Monday
 B — Orphan Annie, See Monday

E-6:00 p.m., C-5:00, M-4:00, P-3:00
 R — Waldorf Orchestra, See Monday
 B — Raising Junior, See Sunday

E-6:15 p.m., C-5:15, M-4:15, P-3:15
 C — Fred Martin, Bossert Orchestra
 CFBF KFH KJFJ KLZ KRLD KSCJ
 KTRH KVOR WAAB WABC WACO
 WADC WBRC WBP WCAE WCAO
 WDAE WDBO WDRG WEAN WFBL
 WGR WHEC WHP WISN WKRC
 WLAP WLWB WLBZ WMAL WOKO
 WORC WQAM WREC WTAR WTOG
 WCCO

E-6:30 p.m., C-5:30, M-4:30, P-3:30
 C — Connie Boswell
 KFH KJFJ KLZ KMOX KSCJ KTRH
 KVOR WAAB WABC WACO WBRC
 WBT WCAO WCAU WCOG WDBO
 WDRG WEAN WFBL WHP WISN
 WJAS WKBN WKWB WKRC WLAP
 WLWB WLBZ WMT WOKO WORC
 WQAM WREC WSPD WTOG WVVV

E-6:45 p.m., C-5:45, M-4:45, P-3:45
 R — Stebbins Boys, See Monday
 B — Lowell Thomas, See Monday
 B — Orphan Annie, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
 C — Myrt and Marge, See Monday
 R — Lumber Jacks, See Monday
 B — Amos 'n' Andy, See Monday

E-7:15 p.m., C-6:15, M-5:15, P-4:15
 C — Bing Crosby, See Monday
 R — Campbell-Lanin, See Monday
 B — Tasteyest Jesters, See Monday

E-7:30 p.m., C-6:30, M-5:30, P-4:30
 C — Kaltenborn News, See Tuesday
 R — Alice Joy, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45
 C — Morton Downey, See Monday
 R — The Golbers, See Monday
 R — Stebbins Boys, See Monday
 B — Famous Business Fallacies
 WBAL WCKY WFCB WFLA WGAR
 WIS WJAX WJZ WLS WRC WREN
 WRVA WWCN

E-8:00 p.m., C-7:00, M-6:00, P-5:00
 C — Bath Club, See Monday
 R — Fleischmann, Rudy Vallee
 CFCF CKGW KFI KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP

KTR WBAP WBEN WCAE WCSH
 WDAF WEAF WEBC WEEI WFBR
 WFI WFLA WGY WHAS WHO
 WIOD WJAR WJAX WJDX WKY
 WMAQ WMC WOAI WOC WOW
 WRC WRVA WSAI WSB WSM WSBM
 WTAG WTAM WTCI WTMJ WWJ
 B — Dixie Singers
 KDKA KOIL KWK WBAL WBZA
 WOKY WOLG WHAM WJZ WLS
 WREN WRVA

E-8:15 p.m., C-7:15, M-6:15, P-5:15
 C — Abe Lyman, See Tuesday
 B — Rin Tin Tin Thriller
 KDKA KOIL KWK WBZA WGAR
 WHAM WJZ WLS WLW WREN

E-8:30 p.m., C-7:30, M-6:30, P-5:30
 C — Kate Smith, See Monday
 C — Dictators Dance Orchestra
 KLRA WBIG WBRC WDAE WDBI
 WDBO WDOD WPIV WGST WLAC
 WNOX WQAM WREC WTOG

E-8:45 p.m., C-7:45, M-6:45, P-5:45
 C — Angelo Patri, Your Child, See Sun.
 B — Sisters of Skillet, See Tuesday

E-9:00 p.m., C-8:00, M-7:00, P-6:00
 C — Mills Bros., See Monday
 B — Blackstone, Sanderson-Crumit
 KDKA WBAL WBZA WCKY WHAM
 WJZ

C — Musical Album, Howard Barlow
 KLRA WBIG WBRC WBT WDAE
 WDBI WDBO WDOD WDSU WGST
 WNOX WQAM WREC WTAR WTOG
 R — Big Six of the Air
 KFI KPSD KFYR WGLH KGIR
 KGO KGW KHQ KOA KOMO KPRC
 KSD KSL KSTP KTR KTHS WAPI
 WBAP WBEN WCAE WCSH WDAF
 WDAY WEAF WEBC WEEI WFBR
 WFI WFLA WGY WHAS WHO
 WIRA WIOD WIS WJAR WJAX
 WJDX WKY WMAQ WMC WOAI
 WOC WOW WPTT WRC WRVA
 WSAI WSB WSM WSBM WTAG
 WTAM WTCI WTMJ WWJ WWCN

E-9:15 p.m., C-8:15, M-7:15, P-6:15
 C — Irene Beasley, Freddie Rich
 KMBC KMOX WABC WADC WCAO
 WCAU WCCO WDRG WEAN WFBL
 WGN WHK WJAS WKWB WKRC
 WMAL WNAC WOKO WOWO WSPD
 WXYZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
 C — Love Story Hour
 KMBC KMOX WABC WADC WBBM
 WCAO WCAU WDRG WEAN WFBL
 WGN WHK WJAS WKWB WKRC
 WMAL WNAC WOWO WSPD WXYZ
 R — Sherlock Holmes
 CFCF CKGW KSD WHEN WCAE
 WCSH WDAF WEAF WEEI WENR
 WFI WGY WHO WJAR WOC WOW
 WRC WSAI WTAG WTAM WTCI
 B — Maxwell House Ensemble
 KDKA KFI KPSD KGO KGW KHQ
 KOA KOIL KOMO KPRC KSL
 KSTP KTR KWK KYW WAPI
 WBAL WBAP WBZA WBCB WFLA
 WGAR WHAM WHAS WIOD WJAX
 WJDX WJR WJZ WKY WMC WOAI
 WREN WRVA WSB WSM WSBM
 WTMJ WWCN

E-9:45 p.m., C-8:45, M-7:45, P-6:45
 C — Funnyboners and Orchestra
 KLRA WBIG WBRC WBT WDAE
 WDBI WDBO WDOD WPIV WGST
 WLAC WNOX WREC WTAR WTOG

E-10:00 p.m., C-9:00, M-8:00, P-7:00
 C — H.S.M. Trumpeters
 KFJF KLZ KMBC KMOX KRLD

WAAB WABC WADC WBBM WCAO
 WCCO WDRG WDSU WEAN WFBL
 WGST WHK WJAS WKWB WKRC
 WLAP WMAL WMT WOWO WSPD
 R — Lucky Strike, See Tuesday
 B — A. & P. Gypsies
 KDKA KWK WBAL WBZA WGAR
 WHAM WJR WJZ WLW WMAQ

E-10:30 p.m., C-9:30, M-8:30, P-7:30
 C — Music Satisfies, See Monday
 B — Paris Night Life, See Tuesday

E-10:45 p.m., C-9:45, M-8:45, P-7:45
 C — Jack Miller, Orchestra, See Tuesday
 C — Myrt and Marge, See Monday

E-11:00 p.m., C-10:00, M-9:00, P-8:00
 C — Bing Crosby, See Monday
 B — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
 C — Howard Barlow, See Tuesday
 R — Alice Joy, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
 C — Geo. Olson, Orchestra, See Tuesday
 C — Morton Downey, See Monday
 R — Jessie Crawford, See Monday

E-12:00 m., C-11:00, M-10:00, P-9:00
 C — Guy Lombardo, Royal Canadians
 KDYL KFH KGB KLZ KMBC
 KSCJ KTRH KVOR WABC WCAU
 WCCO WEAN WFBL WHK WHP
 WISN WKBN WKWB WKRC WLAP
 WLWB WMT WNAC WNAX WOKO

E-12:05 a.m., C-11:05, M-10:05, P-9:05
 R — Coon-Sanders, See Wednesday

E-12:30 p.m., C-11:30, M-10:30, P-9:30
 C — Louis Panico, Orchestra
 KDYL KFH KFPY KGB KLZ KMBC
 KSCJ KTRH WABC WCAU WCCO
 WEAN WFBL WHK WISN WKBN
 WKWB WLAP WLWB WMT WNAC
 WNAX WOKO WSPD

FRIDAY

E-8:00 a.m., C-7:00, M-6:00, P-5:00
 R — Gene and Glenn, See Monday

E-8:15 a.m., C-7:15, M-6:15, P-5:15
 B — Phil Cook, See Monday

E-8:30 a.m., C-7:30, M-6:30, P-5:30
 R — Cheerio, See Monday

E-9:00 a.m., C-8:00, M-7:00, P-6:00
 R — Gene and Glenn, See Monday

E-9:15 a.m., C-8:15, M-7:15, P-6:15
 B — Phil Cook, See Monday

E-10:15 a.m., C-9:15, M-8:15, P-7:15
 B — Clara, Lu and Em, See Monday

E-11:00 a.m., C-10:00, M-9:00, P-8:00
 R — Music Appreciation, Damrosch
 CFCF CKGW KDKA KFYR KOA
 KPRC KSD KSL KSTP KTHS KVOO
 KWK KYW WAPI WBAL WBAP
 WBEN WBZA WCAE WCKY WCSH
 WDAY WDAF WEAF WEBC WEEI
 WENR WFAA WFBR WFLA WGAR
 WGY WHAM WHAS WHO WIBA
 WIOD WIS WJAR WJAX WJDX WJR
 WJZ WKY WLTP WLW WMC WOAI
 WOC WPTT WRC WREN WRVA
 WSAI WSB WSM WSBM WTAG
 WTAM WTCI WTMJ WWJ WWCN

E-11:45 a.m., C-10:45, M-9:45, P-8:45
 C — Ben Alley, See Monday

E-12:00 m., C-11:00, M-10:00, P-9:00
 R — General Electric, See Monday

E-12:30 p.m., C-11:30, M-10:30, P-9:30
 B — Farm and Home, See Monday

E-4:30 p.m., C-3:30, M-2:30, P-1:30
 R — Lady Next Door, See Monday

E-5:15 p.m., C-4:15, M-3:15, P-2:15
 R — Skippy See Monday

Friday—Continued

E-5:45 p.m., C-4:45, M-3:45, P-2:45
R — Russ Colombo, See Monday
B — Orphan Annie, See Monday
E-6:00 p.m., C-5:00, M-4:00, P-3:00
R — Waldorf Orchestra, See Monday
B — Raising Junior, See Sunday
E-6:30 p.m., C-5:30, M-4:30, P-3:30
B — Royal Vagabonds, See Monday
E-6:45 p.m., C-5:45, M-4:45, P-3:45
C — Vaughn Deleath and Piano Team
CFRB KFAB KFJF KLZ KOH
KRLD KSCJ KVOB WAAB WABC
WBBM WDCM WDBG WDRG WFT
WCAH WDBJ WDRG WDRG WFT
WFAH WFBM WFWG WGST WHEC
WHP WIP WISN WJAS WKBN
WLAC WLAP WLBB WLBB WMRB
WMT WNOX WOGO WORC WQAM
WFEC WTAQ WYOC WYVA
R — Stebbins Boys, See Monday
B — Lowell Thomas, See Monday
B — Orphan Annie, See Monday
E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Myrt and Marge, See Monday
R — Crime, C. F. Coe
KFSD KGO KOA WCAE WFAF
WJAR WJWJ
B — Amos 'n' Andy, See Monday
E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Bing Crosby, See Monday
R — Campbell-Lanin, See Monday
E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Boswell Sisters, See Monday
R — Alice Joy, See Monday
E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — Morton Downey, See Monday
R — The Goldbergs, See Monday
R — Stebbins Boys, See Monday
B — Esso Program, See Wednesday
E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Bath Club, See Monday
R — Cities Service Orchestra
CKGW KECA KGO KGW KHQ
KOA KOMO KSD KSL KSTP KTHS
KYW WBEN WCAE WGSB WDAF
WEAF WEBC WEEI WFAA WGY
WJO WJAR WKY WLIT WQAI
WOC WOV WRC WSAI WTAG
WTAM WTIC WTMJ WJW KPBC
B — Nestle's Program
KDKA KOIL KWK WBAL WBZ
WCKY WGAR WHAM WJR WJZ
WLS WREN
E-8:15 p.m., C-7:15, M-6:15, P-5:15
C — Singin' Sam, See Monday
C — Modern Male Chorus
KGB KLRA WBRG WBT WDAE
WDBJ WDBO WDOO WLAC WNOX
WPG WQAM WREC WTAR WTOC
E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — March of Time
KDYL KFPY KFRC KEJ KLZ
KMBC KNOX KOIN KOL WABC
WADC WBT WCAO WCAU WCCO
WDRG WDSU WEAN WFBL WGN
WGR WGST WHK WJAS WGRG
WMAL WNAC WWO WSPD WXYZ
B — Smith Bros., Trade and Mark
WBAL WGAR WJR WJZ WLS WLW
E-8:45 p.m., C-7:45, M-6:45, P-5:45
B — Sisters of Skillet, See Tuesday
E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Pillsbury, Arthur Tracy
KFJF KMBC KNOX WABC WADC
WBT WCAO WCAU WCCO WDBJ
WDRG WEAN WFBL WGN WGST
WHK WJAS WKBW WKRC WMAL
WNAC WOKO WORC WWO WREC
WRR WSPD WTAR WXYZ

R — Cluquet Club
KSD WBEN WCAE WGSB WDAF
WEAF WEEI WGY WWO WJAR
WLIT WLS WOC WOV WRC WSAI
WTAG WTIC WJW
B — Friendship Town
CFCP CKGW KDKA KFI KFSD
KFYR KGO KGW KHQ KOA KOIL
KOMO KPRC KSL KSTP KTAR
KWK KYW WAPI WBAL WBZA
WDAY WEBC WFLA WGAR WHAM
WHAS WIBA WIOD WIS WJAX
WJDX WJR WJZ WBY WMC WOAI
WREN WRVA WSK WSM WSMB
WTMJ WYOC
E-9:30 p.m., C-8:30, M-7:30, P-6:30
C — To the Ladies
KMBC KNOX KRLD WABC WADC
WCAO WCAU WCCO WDRG WEAN
WFBL WGN WGST WHK WJAS
WKBW WKRC WMAL WNAC WOKO
WOW WSPD WXYZ
R — Pond's Program, Leo Reisman
KSD WBEN WCAE WGSB WDAF
WEAF WENR WFBW WGY WJO
WJAR WLIT WOC WOV WRC
WSAI WTAG WTAM
B — Armour Program
KDKA KFI KGO KGW KHQ KOA
KOIL KOMO KPRC KSL KSTP
KWK KYW WAPI WBAL WBZA
WGBF WFAA WGAR WHAM WHAS
WIOD WJAX WJDX WJR WJZ
KWY WLW WMC WOAI WREN
WRVA WSB WSM WSMB WTMJ
E-9:45 p.m., C-8:45, M-7:45, P-6:45
C — Friendly Five Footnotes
KFJF KLZ KMBC KMOX KRLD
WABC WBT WCAO WCAU WCCO
WDRG WDSU WEAN WFBL WGN
WHK WJAS WKBW WKRC WLAC
WMAL WMT WNAC WNOX WRFK
E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Cafe Budapest
CFRB KDYL KFJF KFJF KGB
KHJ KLZ KMBC KOH KRLD KTSB
KVOB WAAB WABC WADC WBHC
WBT WCAH WCAO WCAU WDAE
WDBO WDRG WEAN WFBL WHIC
WHK WHP WIBW WISN WJAS
WKBW WKRC WLAP WLBB WLRZ
WMAL WMT WNAX WOKO WOLC
WOW WRC WTAQ WTAR WTOC
R — Sampler Orchestra, Andy Sannella
KSD WBEN WCAE WGSB WDAF
WEAF WEEI WFBW WGY WJO
WJAR WLIT WOC WOV WRC WSAI
WTAG WTAM WJW
B — Paul Whiteman's Chiefs
KDKA KFI KFSD KFYR KGO
KGW KHQ KOA KOIL KOMO
KPRC KSL KSTP KTAR KVOO KWK
WBAL WBAF WBZA WCKY WDAY
WEBC WEAN WFLA WGAR WHAM
WHAS WIOD WJAX WJDX WJR
WJZ WKY WMC WOAI WREN
WRVA WSB WSM WSMB WTMJ
E-10:30 p.m., C-9:30, M-8:30, P-7:30
C — Music Satisfies, See Monday
R — RKO Theatre of the Air
KFI KFSD KFYR KGO KGW KHQ
KOA KOMO KSD KSL KTAR WBEN
WCAE WGSB WDAY WEAF WEEI
WENR WFBW WFLA WGY WJAS
WJO WIBA WIOD WJAX WJAX
WJDX WKY WLIT WMC WOAI
WOC WOV WRC WRVA WSAI
WSB WSMB WTAG WTAM WTIC
WTMJ WJWJ
B — Waves of Melody
KDKA KOIL KWK KYW WBAL
WBZA WCKY WGAR WHAM WJR
WJZ WREN

E-10:15 p.m., C-9:45, M-8:45, P-7:45
C — Vivien Ruth, Freddie Rich
CFRB KLRA WAAB WABC WADC
WBIG WBRG WBT WCAO WCAU
WDAE WDBJ WDBO WDOO WDSU
WEAN WFBL WFWG WGST WHC
WHP WJAS WKBW WLAC WLBB
WLBB WMBD WMT WNOX WOKO
WORC WPG WQAM WREC WTAR
WTOC
E-10:45 p.m., C-9:45, M-8:45, P-7:45
C — Myrt and Marge, See Monday
E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Bing Crosby, See Monday
B — Amos 'n' Andy, See Monday
E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Howard Barlow, See Tuesday
R — Vincent Lopez, Orchestra
KSD WBEN WFLA WFAF WEEI
WIOD WJAR WOV WRC WJW
R — Alice Joy, See Monday
E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — George Olsen, See Tuesday
C — Morton Downey, See Monday
E-12:00 p.m., C-11:00, M-10:00, P-9:00
C — Ben Bernie, See Monday
E-12:05 a.m., C-11:05, M-10:05, P-9:05
R — Coon-Sanders, Orch., See Wed.

SATURDAY

E-8:00 a.m., C-7:00, M-6:00, P-5:00
R — Gene and Glenn, See Monday
E-8:15 a.m., C-7:15, M-6:15, P-5:15
B — Phil Cook, See Monday
E-8:30 a.m., C-7:30, M-6:30, P-5:30
R — Cheerio, See Monday
E-9:00 a.m., C-8:00, M-7:00, P-6:00
R — Gene and Glenn, See Monday
E-9:15 a.m., C-8:15, M-7:15, P-6:15
B — Phil Cook, See Monday
E-12:30 p.m., C-11:30, M-10:30, P-9:30
B — Farm and Home, See Monday
E-4:45 p.m., C-3:45, M-2:45, P-1:45
R — Lady Next Door, See Monday, 4:30
E-5:15 p.m., C-4:15, M-3:15, P-2:15
R — Skippy, See Monday
E-5:30 p.m., C-4:30, M-3:30, P-2:30
R — Station KUKU
WBEN WCAE WGSB WDAF WFAF
WFBW WGY WJO WJAR WLIT
WOC WOV WRC WTAG WTAM
WTOC
E-5:45 p.m., C-4:45, M-3:45, P-2:45
B — Orphan Annie, See Monday
E-6:00 p.m., C-5:00, M-4:00, P-3:00
R — Waldorf Orchestra, See Monday
B — Raising Junior, See Sunday
E-6:15 p.m., C-5:15, M-4:15, P-3:15
— Peter Van Steeden Orchestra
KDKA KOA KOIL WENR WHAM
WJZ WKY
E-6:30 p.m., C-5:30, M-4:30, P-3:30
B — Old Tupper, See Tuesday
C — Leon Belasco and Orchestra
KFAB KFBC KFJF KFJF KFRC
KGB KHJ KLZ KOH KOL KSCJ
KVI KVOB WAAB WABC WBCM
WBIG WBT WCAH WCAU WDBJ
WDOO WDSU WFBL WFBM WFIW
WGST WHP WIBW WISN WJAS
WKBN WKBW WLAC WLAP WLBB
WLBB WMBD WMT WNOX WOKO
WORC WREC WSPD WTOC WXYZ
E-6:45 p.m., C-5:45, M-4:45, P-3:45
C — Connie Boswell
CFRB KEH KFJF KFYR KFRC KGB
KHJ KMBC KMOX KOH KOI
KSCJ KVOB WAAB WABC WACO

WBRC WBT WCAH WCAU WCCO
WDBO WDRC WFBL WHP WISN
WJAS WKBN WKWB WKRC WLAP
WLWB WLWB WMAL WMT WOKO
WORC WQAM WREC WTOC WVVVA
B — Orphan Annie, See Monday

E-7:00 p.m., C-6:00, M-5:00, P-4:00
C — Political Situation in Washington
KDYL KFBK KFH KFJF KFCR
KGB KHJ KMBC KMOX KOH
KSCJ KVI KVOR WABC WADC
WBCM WBIG WBT WCAH WCAO
WCAU WDAE WDJR WDBO WDOD
WDRC WDSU WEAN WFLB WFBM
WGR WGST WHEC WHP WIBW
WJAS WKBN WKBN WKRC WLAC
WLAP WLWB WLWB WMAL WMT
WNAC WNAX WQAM WREC WTAR
WTOC WVVVA WXYZ

B — Amos 'n' Andy, See Monday
E-7:15 p.m., C-6:15, M-5:15, P-4:15
C — Bing Crosby, See Monday
R — Laws That Safeguard Society
KECA KFSD KFYR KGA KJR
KOA KPO KTAR KTHS WAPI
WBN WBSH WDAY WFAF WECB
WENR WFI WFLA WHO WIOD
WJAR WJAX WJDX WOC WOV
WPTF WRVA WSAI WTAG WTIC
B — Sonata Recital
CKGW KDKA WCKY WHAM WJZ
WRC WREN

E-7:30 p.m., C-6:30, M-5:30, P-4:30
C — Bright Spot, Guy Lombardo
KMBC KMOX WAAB WADC WCAO
WCAU WCCO WDRC WEAN WFBL
WGN WGR WHK WJAS WKRC
WMAL WNAC WOKO WSPD WXYZ
R — Alice Joy, See Monday

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — Morton Downey, See Monday
R — The Goldbergs, See Monday

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Fray and Braggiotti, Pianists
CFRB KDYL KFAB KFH KFJF
KFCR KGB KHJ KLRA KMBC
KOH KOL KRLD KSCJ KVI KVOR
WABC WADC WBCM WBIG WBT
WCAH WCAO WCAU WDAE WDBJ
WDBO WDOD WDRC WDSU WFLB
WFBM WGR WGST WHEC WHP
WIBW WISN WJAS WKBN WKRC
WLAC WLAP WLWB WLWB WMT
WNAC WNAX WOKO WPG WREC
WSPD WTAQ WTAR WTOC WVVVA
WXYZ WFBK

R — Civic Concerts
CKGW KSD WCAE WBSH WDAF
WEAF WFBF WFI WHO WIOD
WIS WJAR WJAX WMAQ WOC
WOW WRC WTIC WJZ WJNC
B — Danger Fighters
KDKA KFI KFSD KFYR KGO KGW
KHQ KOA KOIL KOMO KPRC
KSL KSTP KTAR KWK WAPI
WBAP WCKY WDAY WIBC WHAM
WHAS WIBA WJDX WJZ WKY
WLS WMC WQAI WREN WSB
WSM WSMB WTMJ

E-8:15 p.m., C-7:15, M-6:15, P-5:15
C — Abe Lyman, See Tuesday

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — Hoosier Editor
CFRB KDYL KFH KFJF KFPY
KGB KHJ KLZ KMBC KMOX
KOH KRLD KSCJ KTSa KVOR
WABC WADC WBRF WBT WCAH
WCAO WCAU WCCO WDAE WDHO
WEAN WFLB WGR WHEC WHP
WIBW WISN WJAS WKBN WLAP
WLWB WLWB WMAL WMT WNAC

WNAX WOKO WORC WPG WQAM
WREC WTAQ WTAR WTOC WVVVA
R — Radio in Education
KFI KFSD KFYR KGHL KGIR KGO
KGW KHQ KOA KOMO KPRC KSD
KSL KSTP KTAR KYW WBEN
WCAE WBSH WDAF WDAY WEAF
WEBC WEEI WFBF WFI WFLA
WGY WHAS WHO WIBA WIOD
WJAR WJAX WJDX WKY WMC
WOC WOW WRC WRVA WSAI
WSB WSM WSMB WTAG WTAM
WTIC WTMJ WJZ WJNC WIS
B — Dance, Countess D'Orsay
CFCF CKGW KDKA KWK WBAL
WBZA WGAR WHAM WJR WJZ
WLW WMAQ WREN

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C — Vaughn de Leath
KMOX WABC WADC WBBM WCAO
WCAU WDRC WEAN WFBL WGR
WJAS WNAC WOKO WSPD WXYZ

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Carborundum Band
KMOX WAAB WABC WCAU WGN
WHK WKBW WXYZ

R — Goodyear, Pryor's Band
KFI KFSD KFYR KGHL KGIR KGO
KGW KHQ KOA KOMO KPRC KSD
KSL KSTP KTAR KYW WAPI
WRAP WBN WCAE WBSH WDAF
WDAY WFAF WEBC WEEI WFBF
WFI WFLA WGY WHAS WHO
WIBA WIOD WIS WJAR WJAX
WJDX WKY WMC WQAI WOC WOW
WRC WRVA WSAI WSB WSMB
WTAG WTAM WTMJ WJZ

E-9:30 p.m., C-8:30, M-7:30, P-6:30
C — Smith Bros., Trade and Mark
KFH KFJF KLZ KMBC WAAB
WABC WADC WCAO WCAU WCCO
WDRC WEAN WGN WGST WHEC
WHK WHP WJAS WKWB WKRC
WLAP WLWB WMT WOW WSPD
R — Club Valpar
CFCF CKGW KSD WBN WCAE
WBSH WDAF WEAF WEEI WFBF
WFI WGY WHO WJAR WMAQ
WOC WOW WRC WWSA WTAG
WTAM WTIC WJZ

B — First Nighter
KDKA KFI KFSD KFYR KGO KGW
KHQ KOA KOIL KOMO KSL KSTP
KTAR KWK KYW WBAL WBZA
WDAY WEBC WGAR WHAM WJR
WJZ WLW WREN WTMJ

E-9:45 p.m., C-8:45, M-7:45, P-6:45
C — Art Jarrett, Freddie Rich, Orchestra
CFRB KDYL KFH KFJF KFPY
KGB KLZ KMBC KMOX KOH
KSCJ KTRH KTSa KVI KVOR
WAAB WABC WACO WADC WBRF
WBT WCAH WCAO WCAU WDAE
WDBO WDRC WFLB WGR WHEC
WHP WIBW WKBN WKWB WKRC
WLAP WLWB WLWB WMAL WMT
WNAC WOKO WORC WPG WQAM
WREC WSPD WTAQ WTAR WTOC
WVVVA WXYZ

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Public Affairs Institute
KDYL KFBK KFH KFJF KLRA
KLZ KMBC KOH KSCJ KVOR
WAAB WABC WADC WBCM WBIG
WBT WCAH WCAO WCAU WCCO
WDAE WDBJ WDBO WDOD WDRF
WDSU WEAN WFLB WFBM WFIW
WGST WHEC WHP WIBW WISN
WJAS WKBN WKBN WKWB WKRC
WLAC WLAP WLWB WLWB WMAL
WMBD WMT WNAX WNOX WOKO

WORC WPG WREC WSPD WTAQ
WTAR WTOC WVVVA WXYZ
R — Lucky Strike, See Tuesday
B — Russ Colombo, See Tuesday

E-10:15 p.m., C-9:15, M-8:15, P-7:15
B — Snoop and Peep
CFCF CKGW KOIL KWK WCKY
WGAR WHAM WJR WJZ WREN

E-10:30 p.m., C-9:30, M-8:30, P-7:30
C — Music Satisfies, See Monday
B — Hollywood Nights, See Wednesday

E-10:45 p.m., C-9:45, M-8:45, P-7:45
C — Jack Miller, See Tuesday
B — Twenty Fingers of Harmony
CFCF KDKA WBAL WHAM WJR
WJZ WREN

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — Bing Crosby, See Monday
R — Marion Harris, See Tuesday
B — Amos 'n' Andy, See Monday

E-11:15 p.m., C-10:15, M-9:15, P-8:15
C — Don Redman, Orchestra
CFRB KDYL KFJF KFPY KFCR
KLZ KMBC KOH KSCJ KVOR
WAAB WABC WACO WADC WBRF
WBT WCAO WCAU WDAE WDBO
WDRF WEAN WFLB WHEC WHP
WIBW WISN WKBN WKWB WKRC
WLAP WLWB WLWB WMT WNAX
WOKO WORC WQAM WREC WSPD
WTAR WTOC WVVVA WXYZ
R — Jesse Crawford, See Tuesday
R — Alice Joy, See Monday

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Morton Downey, See Monday
R — Rudy Vallee, Connecticut Yankees
KEX KGA KJR KPO KPRC KSD
WBEN WCAE WCKY WEAF WEEI
WFI WGY WHO WIBA WKY WOC
WRC WTIC WJZ

E-11:45 p.m., C-10:45, M-9:45, P-8:45
C — Enric Madriguera, See Monday

E-12:00 a.m., C-11:00, M-10:00, P-9:00
C — Guy Lombardo, See Thursday

E-12:05 a.m., C-11:05, M-10:05, P-9:05
R — Coon-Sanders, See Wednesday

E-12:30 a.m., C-11:30, M-10:30, P-9:30
C — Harold Stern, Orchestra
KDYL KFH KFPY KGB KLZ KMBC
KOH KOH KSCJ KVOR WABC
WEAN WFLB WISN WKBN WKWB
WKRC WLAP WLWB WMT WNAC
WNAX WOKO WSPD

SUNDAY

E-11:30 a.m., C-10:30, M-9:30, P-8:30
R — Major Bowes' Capitol Family
KEX KFYR KGA KGHL KJR KOA
KPO KPO KPRC KSTP WAPI WBSH
WDAF WDAY WFAF WENR WFBF
WFI WFLA WGY WHAS WHO
WIOD WJAR WKY WMC WOC
WPTF WRC WSM WSMB WTAM
WTIC WTMJ WJZ WJNC

E-12:30 p.m., C-11:30, M-10:30, P-9:30
C — International Broadcast
CFRB KFH KFJF KFPY KLZ KMBC
KOH KOH KSCJ KTSa KVI KVOR
WAAB WABC WADC WBT WCAH
WDCO WCAU WCCO WDAE WDBO
WDRF WFLB WGR WHEC WHK
WHP WIBW WISN WJAS WKBN
WLAP WLWB WLWB WMAL WMT
WOKO WORC WPG WQAM WSDT
WTAQ WTAR WVVVA

B — Balkan Mountain Men
KDKA KEX KFYR KGA KJR KOA
KPO KPRC KSL WBAL WBZA
WCKY WDAY WGAR WHAM WHAS

Sunday—Continued

E-12:45 p.m., C-11:45, M-10:45, P-9:45
C—Street Singer
 CFRB KFH KFJF KPFF KLZ KMBC
 KOH KOL KSCJ K TSA KVI KVOR
 WAAB WABC WADC WBRG WCAH
 WCAO WCAU WCCO WDAE WDRO
 WFBL WGR WHCC WHP WBW
 WISN WKBN WLAP WLWB WLZ
 WMAL WMT WOKO WORC WOWO
 WPG WQAM WSPD WTAQ WTAR
 WTOC WWVA

E-1:00 p.m., C-12:00, M-11:00, P-10:00
C—Cathedral Hour
 CFRB KDYL KPH KFJF KPFF
 KLZ KMBC KMOX KOH KOL
 KRLL KSCJ KTRH KVI WAAB
 WABC WBT WCAH WCAU WCCO
 WDAE WDRO WDRC WFBW WGR
 WHCC WHP WIBW WJAS WKBN
 WLAP WLWB WLZ WMAL WMT
 WOKO WPG WQAM WREB WTAQ
 WTAR WTOC WWVA WXYZ

B—Sentinels of Republic
 KDKA KFYR KGO KOA KOMO
 KPRC KSL KSTP WAPI WDAY
 WEBC WIBA WIOD WJAX WJR
 WJZ WRC WSM

E-1:15 p.m., C-12:15, M-11:15, P-10:15
B—Synthetic, Walter Damosch
 KDKA KFI KFSD KFYR KGO KGW
 KOA KOMO KPRC KSTP KTAR
 KVOD KWK WBAL WBZA WDAY
 WEBC WFPA WFLA WGAR WHAS
 WIBA WIOD WIS WJAX WJDX
 WJR WJZ WLW WMAQ WQAI
 WPTF WREN WRVA WSB WSM
 WSMB WWNC

E-1:30 p.m., C-12:30, M-11:30, P-10:30
R—Silver Flute
 WBN WCAE WDAF WFAF WFI
 WGY WJAR WRC WTAG WTC WWJ

E-1:45 p.m., C-12:45, M-11:45, P-10:45
C—Venida Program, Willie Robyn
 KMBC KMOX WAAB WABC WCAO
 WCAU WDRC WFBL WGR WHK
 WJAS WKBN WKRC WMAL

R—Old Company's Program
 CFCE CKGW WBN WCH WFAF
 WEEL WFI WGY WJAR WRC WTAG

E-2:15 p.m., C-1:15, M-12:15, P-11:15
R—Sunday Bright Spot
 CFCE CKGW KFI KFSD KFYR
 KGO KGW KHQ KOA KPRC KSD
 KSL KSTP KTAR KVOD KYW
 WAPI WBN WCAE WCH WDAF
 WDAY WFAF WFC WEI WFPA
 WFRB WFLA WGY WHAS WHO
 WIOD WJAR WJAX WJDX WKY
 WLIT WMC WOAI WOC WOW
 WPTF WRC WRVA WSAI WSB
 WSM WSMB WTAG WTAM WTC
 WTMJ WWJ

B—Careless Love, Negro Life
 WBAL WCKY WGAR WJZ WREN

E-2:30 p.m., C-1:30, M-12:30, P-11:30
C—Church of the Air
 KDYL KPH KFJF KPFF KGB KLZ
 KMBC KOH KOL KSCJ KTRH
 KVOR WAAB WABC WACO WBT
 WCAO WCCO WDAE WDRO WDRC
 WFBL WHCC WHP WIBW WJAS
 WKBN WKBN WKRC WLAP WLWB
 WLZ WMAL WMT WOKO WORC
 WQAM WREC WTAQ WTAR WTOC

R—Moonshine and Honeysuckle
 KSD WCAE WCKY WCH WDAF
 WFAF WEEL WFRB WGY WJAR
 WMAQ WRC WTAG WTAM WTC
 WWJ

B—Yeast Foamers, Herbie Kay
 KDKA KFI KFSD KGHL KGIR

KGW KHQ KOA KOIL KPO KPRC
 KSL KSTP KTAR KTHS KVOD KWK
 KYW WAPI WBAL WBZA WEBC
 WFPA WFLA WGAR WHAM WHAS
 WTDW WIS WJAX WJDX WJR WJZ
 WKY WLW WMC WOAI WPTF
 WREN WRVA WSB WSM WSMB
 WTMJ WWNC

E-3:00 p.m., C-2:00, M-1:00 P-12:00
C—Ann Leaf at Organ

CFRB KDYL KFAB KFBK KFH
 KFJF KFCR KGB KLRA KLZ KMBC
 KOH KOIN KSCJ KVI KVOR WAAB
 WABC WADC WBCM WBIG WBRG
 WBT WCAH WCAO WCCO WDAE
 WDJJ WDOD WDRC WDSU WEAN
 WFAN WFBL WFIW WGST WHEC
 WHP WIBW WIP WISN WJAS
 WKHB WKRN WKBW WKRC
 WLCH WLAP WLWB WLZ WMAL
 WMBD WMT WNOX WODX WOKO
 WORC WQAM WREC WSPD WTAQ
 WTAR WTOC WWVA WXYZ

R—Wayne King and Orchestra
 KSD KYW WBN WCAE WCH
 WDAF WFAF WEEL WFRB WGY
 WJO WJAR WLIT WOC WOW
 WRC WSAI WTAG WTAM WTC
 WWJ

B—National Youth Conference
 KFSD KFYR KGHL KGIR KGO
 KGW KHQ KOA KOMO KPRC KTAR
 KTHS KVOD KWK WAPI WBAL
 WCKY WFLA WGAR WIBA WIOD
 WIS WJAX WJDX WJZ WKY WMAQ
 WMC WOAI WPTF WREN WRVA
 WSB WSMB WWNC

E-3:15 p.m., C-2:15, M-1:15, P-12:15
C—N.Y. Philharmonic Symphony
 CFRB KDYL KFAB KFBK KFH
 KFJF KFCR KGB KLRA KLZ KMBC
 KOH KOIN KSCJ KVI KVOR WAAB
 WABC WADC WBCM WBIG WBRG
 WBT WCAH WCAO WCCO WDAE
 WDJJ WDOD WDSU WEAN WFBL
 WFBM WFIW WGST WHEC WHK
 WHP WIBW WISN WJAS WKHB
 WKRN WKBW WKRC WLAC WLAP
 WLWB WLZ WMAL WMBD WMT
 WNOX WODX WOKO WORC WQAM
 WREC WSPD WTAQ WTAR WTOC
 WWVA WXYZ

E-3:30 p.m., C-2:30, M-1:30, P-12:30
R—Dr. S. Parkes Cadman

KFSD KFYR KGO KGW KHQ KOA
 KOMO KPRC KSD KSL KSTP
 KTHS KYW WBN WCAE WCH
 WDAF WDAY WFAF WEBC WEI
 WFRB WFLA WGY WHAS WIOD
 WIS WJAR WJAX WJDX WKY
 WMC WOAI WOV WPTF WRC
 WRVA WSAI WSB WSM WSMB
 WTAG WTAM WTC WWJ WWNC
 KVOD

B—Swift Garden Party
 KOIL KWK WBAL WBZA WGAR
 WJR WJZ WLW WMAQ WREN

E-4:00 p.m., C-3:00, M-2:00, P-1:00
B—Travelogue
 CFCE CKGW KDKA KOIL KWK
 KYW WBAL WBZA WJZ WREN

E-4:30 p.m., C-3:30, M-2:30, P-1:30
R—Davey Tree Hour

CFCE CKGW WBN WCAE WCH
 WDAF WFAF WEEL WENR WFRB
 WFI WGY WHO WJAR WOC WOW
 WRC WSAI WTAG WTAM WTC
 WWJ

E-5:00 p.m., C-4:00, M-3:00, P-2:00
C—Real Folks

KFJF KMBC KRLL KTRH K TSA
 WABC WADC WBBM WBT WCAO

WCAU WHK WJAS WKRC WMAL
 WOWO WSPD WXYZ WGST
C—National Vespers, Dr. Fodick
 BKGW KFI KFSD KFYR KGIR
 KGO KGW KHQ KOMO KPRC
 KSTP KTHS KVOD KWK WBAL
 WBZA WCKY WDAY WVEC WFAA
 WFLA WGAR WHAM WIBA WIOD
 WIS WJDX WJZ WKY WMAQ
 WOAI WPTF WREN WRVA WSB
 WSM WSMB WWNC

E-5:30 p.m., C-4:30, M-3:30, P-2:30
C—Blue Coal Revue

CFRB WAAB WABC WBRG WCAO
 WCAU WCAW WFCB WGR WHCC
 WHP WOKO WORC

R—General Electric Circle
 KFCA KFX KFJR KGA KJR KOA
 KPO KPRC KSD KSL KSTP KTAR
 KVOD WAPI WBAF WBN WCAE
 WCH WDAY WDAY WFAF WEBC
 WEI WENR WFRB WFI WFLA
 WGY WHAS WHO WIBA WIOD
 WIS WJAR WJAX WJDX WKY
 WMC WOAI WOC WOW WPTF
 WRC WRVA WSAI WSB WSM
 WSMB WTAG WTAM WTC WTMJ
 WWJ WWNC

B—Simoniz Guardsmen
 KOIL KWK KYW WBAL WBZA
 WGAR WHAM WJZ WLW WREN

E-6:00 p.m., C-5:50 M-4:00, P-3:00
C—Quiet Harmonies, Vincent Storey
 WBIG WBRB WBT WDAE WDBJ
 WDOD WDSU WFI WGST WLAC
 WNOX WQAM WREC WTAR WTOC

C—Chicago Knights
 KFJF KPFF KFCR KGB KHJ KLZ
 KMBC KOH KOL KRLL KSCJ KVI
 KVOR WACO WBCM WCCO WIBW
 WISN WKRC WLAP WMT WWVA
 WBBM

R—Catholic Hour
 CFCE CKGW KPRC KSD KSTP
 KTHS KVOD WBN WCAE WCH
 WDAF WFAF WFC WFAA WFLA
 WGY WHAS WHO WIOD WJAR
 WJDX WKY WLIT WLS WMC WOAI
 WOC WOW WRC WSAI WSB WSMB
 WTAG WTAM WTC WTMJ WWJ
B—Raising Junior
 KWK KYW WBAL WEBC WGAR
 WHAM WBA WJR WJZ

E-6:15 p.m., C-5:15, M-4:15, P-3:15
B—Veronica Wiggins, Contralto
 WCKY WHAM WJR WJZ WREN

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C—Columbia Concerts Program

KVI WAAB WABC WADC WBIG
 WBRG WBT WCAU WDAE WDOD
 WDSU WEAN WFBL WFIW WGST
 WHEC WHP WJAS WKBW WLAP
 WLWB WNOX WODX WOKO WQAM
 WREC WTAR WTOC

B—Cosmopolitans
 KWK WBAL WCKY WJR WJZ
 WMAQ WREN

C—Barnsdall Musical Memories

KFH KFJF KMBC KMOX KSCJ
 WCCO WGL WGN WBW WISN
 WMT WSPD WXYZ

E-7:00 p.m., C-6:00, M-5:00, P-4:00
B—Willis-Overland Orchestra

CFCE KDKA KFI KFSD KFYR
 KGHL KGO KGP KHQ KOA KOMO
 KPRC KSL KSTP KTAR KVOD KWK
 KYW WBAL WBZA WCKY WDAY
 WFRB WGAR WHAM WHAS WIBA
 WJDX WJR WJZ WMC WOAI WREN
 WSB WSM WSMB WTMJ

E-7:15 p.m., C-6:15, M-5:15, P-1:45
C — Fray and Braggiotti, Pianists
 KDYL KFJF KPFP KFRC KLZ
 KMBC KMOX KOH KOL KSCJ
 K TSA KVI KVOR WABC WACO
 WADC WBCM WBRC WCAH WCAO
 WCAU WCCO WDAE WDBJ WDRC
 WDSU WEAN WFBL WFBM WGL
 WGR WGST WHEC WHK WHP
 WIBW WISN WJAS WKRC WLAC
 WLAB WLWB WLWB WMAL WMT
 WNAC WODX WOKO WORC WTAR
 WTOC WVVV WXYZ

R — Rexall Program
 CFCF KFI KFYP KGHL KGIR KGO
 KGW KHQ KOA KOMO KSD KSL
 KVOO WCAE WCSH WDAF WDAY
 WFAF WEBC WFBR WFLA WGY
 WIOD WIS WJAR WJAX WJDX
 WKY WLIT WMAQ WMC WPTF
 WRC WRVA WSAI WSB WSM
 WSMB WTAG WTIC WTMJ WWJ
 WWNC

B — Story of Women's Names
 KOIL KWK KYW WBAL WGAR
 WHAM WJZ WLW WRFN

E-7:30 p.m., C-6:30, M-5:30, P-3:30
C — Luden's Novelty Orchestra
 KDYL KLZ KMBC KMOX KRLD
 WABC WBT WCAO WCAU WCCO
 WDSU WFBM WGN WGR WGST
 WHK WKHB WKRC WMAL WNAC
 WNAX WREC WXYZ

R — Indent Club
 KSD WBEN WCAE WCSH WDAF
 WFAF WFBR WGY WHO WJAR
 WLIT WLS WOC WRC WSAI WTAG
 WTAM WTIC WWJ

B — Three Bakers
 CFCF KDKA KFI KFSD KFYP
 KGO KGW KHQ KOA KOHL KOMO
 KPRC KSL KSTP KTAR KVOO
 KWK KYW WBAL WBAZ WDAY
 WEBC WFAA WFLA WGAR WHAM
 WHAS WHBA WIOD WJDX WJR
 WJZ WKY WLW WMC WOAI WREN
 WRVA WSB WSM WSMB WTMJ

E-7:45 p.m., C-6:45, M-5:45, P-4:45
C — The Sylvania
 KMBC KMOX WABC WCAO
 WCCO WDRC WGI WGN WGR
 WJAS WKRC WNAC WOKO WXYZ
 WCAU

E-8:00 p.m., C-7:00, M-6:00, P-5:00
C — Pennzoil Parade
 KDYL KPFP KFRC KIH KLZ
 KMBC KMOX KOIN KOL KSCJ
 K TSA WABC WADC WBRC WCAO
 WCAU WCCO WDRC WDSU WEAN
 WFBL WFBM WGN WGR WGST
 WHEC WHK WIBW WISN WJAS
 WKRC WLAC WMAL WNAC WREC
 WRR WSPD WXYZ

R — Chase & Sanborn
 CFCF CKGW KPRC KSD KSTP
 KTHS KVOO WBEN WCAE WCSI
 WDAF WFAF WEBC WFAA WFLA
 WGY WHAS WHO WIOD WJAR
 WJDX WKY WLIT WLS WSAI
 WOAI WOC WOW WRC WRC
 WSB WSMB WTAG WTAM WTIC
 WTMJ WWJ

B — Enna Jettick Melodies
 CFCF CKGW KDKA KFI KFSD
 KFYP KGHL KGIR KGO KGW
 KHQ KOA KOIL KOMO KPRC
 KSL KSTP KTAR KTHS KVOO
 KWK KYW WBAL WBAZ WDAY
 WEBC WFAA WFLA WGAR WHAM
 WHAS WIBA WIOD WIS WJDX
 WJR WJZ WKY WLW WMC WOAI
 WREN WRVA WSB WSM WSMB
 WTMJ WWNC

E-8:15 p.m., C-7:15, M-6:15, P-5:15
B — Collier's Radio Hour
 KDKA KFI KGO KGW KHQ KOA
 KOMO KSL KWK KYW WBAL
 WBZA WGAR WHAM WJR WJZ
 WLW WREN

E-8:30 p.m., C-7:30, M-6:30, P-5:30
C — The Metropolitans
 CFRB KFBC KFJF KFRC KGB
 KHJ KLRA KLZ KMBC KMOX
 KOH KOIN KVOR WABC WADC
 WBCM WBIG WBRC WBT WCAH
 WCAO WCCO WDAE WDHI WDBO
 WDRC WDSU WEAN WFAN WFBL
 WFBM WGR WGST WHK WHP
 WIBW WIP WISN WJAS WKRN
 WLAB WLWB WLW WMAL WMT
 WNAX WODX WOKO WORC WQAM
 WREC WSPD WTAR WTOC WXYZ

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C — Angelo Patri, "Your Child"
 KMBC KMOX WABC WADC WCAO
 WCAU WDRC WEAN WFBL WGN
 WGR WHK WJAS WKRC WMAL
 WNAC WOKO WSPD WXYZ

C — Col. Stoopnagle and Budd
 WBCM WDAE WBO WDRC WQAM
 WREC WTAR WTOC

E-9:00 p.m., C-8:00, M-7:00, P-6:00
C — Fisk University Chorus
 CFRB KDYL KFAR KFJF KFRC
 KLRA KLZ KMOX KOH KSCJ
 KVI KVOR WABC WADC WBCM
 WBRC WBT WCAH WCAO WCCO
 WDAE WDBJ WDBO WDOD WDRC
 WDSU WEAN WFBM WGR WGST
 WHEC WHK WHP WIBW WISN
 WJAS WKRN WLAC WLAB WLWB
 WLWB WMAL WMT WNAC WNOX
 WODX WOKO WORC WQAM WSPD
 WTAR WVVV WXYZ

E-9:15 p.m., C-8:15, M-7:15, P-6:15
R — Album of Familiar Music
 KFI KFSD KFYP KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KTAR KTHS KVOO WAPI WBEN
 WCAE WCSH WDAY WFAF WEBC
 WENR WFBR WFI WFLA WGY
 WHAS WHO WIBA WIOD WJAR
 WJAX WJDX WKY WOAI WOC
 WOW WRC WRVA WSAI WSB WSM
 WSMB WTAG WTAM WTMJ WWJ
 B — Bayuk Stag Party
 KDKA KWK KYW WBAL WBZA
 WGAR WJR WJZ WLW WREN

E-9:30 p.m., C-8:30, M-7:30, P-6:30
C — Count Von Luckner, "Sea Devil"
 CFRB KDYL KPFP KFRC KHJ
 KLZ KMOX KOIN KOL WABC
 WADC WCAO WCAU WDRC WEAN
 WFBL WGN WGR WHK WJAS
 WKRC WMAL WRC WOV WSPD
 WXYZ KMBC

C — Ann Leaf at the Organ
 WBCM WBRC WBT WDAE WDBO
 WQAM WREC WTAR WTOC

E-9:45 p.m., C-8:45, M-7:45, P-6:45
R — Buick Revelers
 KFI KFSD KFYP KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KTAR WAPI WBEN WCAE WCSI
 WDAF WDAY WFAF WEBC WENR
 WFBM WFI WFLA WGY WHAS
 WHO WIBA WIOD WJAR WJAX
 WJDX WKY WMC WOAI WOC
 WOW WRC WRVA WSAI WSB
 WSM WSMB WTAG WTAM WTIC
 WTMJ WWJ

B — Kellogg Slumber Music
 KDKA KWK KYW WBAL WBZA
 WHAM WJR WJZ WLW WREN

E-10:00 p.m., C-9:00, M-8:00, P-7:00
C — Edna Wallace Hopper
 KDYL KFH KFJF KLZ KMBC
 KMOX KRLD K TSA WAAB WABC
 WADC WBBM WBRC WCAO WCAU
 WCCO WDAE WDSU WFBL WFBM
 WGST WHEC WHK WISN WJAS
 WKBW WKRC WLAB WLWB WMAL
 WOKO WORC WOWO WREC WSPD

E-10:15 p.m., C-9:15, M-8:15, P-7:15
B — Old Singing Master
 KDKA KFI KFSD KGO KGW KHQ
 KOA KOIL KOMO KTAR KWK
 WBAL WBZA WGAR WHAM WJZ
 WLW WMAQ WREN

E-10:30 p.m., C-9:30, M-8:30, P-7:30
C — Ernest Hutcheson, Pianist
 CFRB KDYL KFH KFJF KMBC
 KMOX KOH KTRH KYOR WABC
 WADC WBT WCAH WCAO WCAU
 WDAE WDBO WDRC WEAN WFBL
 WHEC WHP WIBW WISN WJAS
 WKRN WKRB WLAB WLWB WLWB
 WMAL WMT WNAC WOKO WORC
 WPG WQAM WREC WSPD WTAR
 WTOC WVVV WXYZ

E-10:45 p.m., C-9:45, M-8:45, P-7:45
R — Sunday at Seth Parker's
 CKGW KFSD KFYP KGHL KGIR
 KGO KGW KOA KPRC KSL KSTP
 KTAR KYW WAPI WBEN WCAE
 WCSI WDAF WDAY WFAF WEBC
 WEEL WFBR WFI WFLA WGY
 WHAS WHO WIBA WIOD WIS
 WJAR WJAX WJDX WKY WMC
 WOAI WOC WOW WRC WRVA
 WSAI WSB WSM WSMB WTAM
 WTMJ WWJ WWNC

E-11:00 p.m., C-10:00, M-9:00, P-8:00
C — The Gauchos, Vincent Sorey
 KFH KFJF KMOX KOH KOL KTRH
 WAAB WABC WADC WBRC WBT
 WCAH WCAO WCAU WDAE WDBO
 WDRC WEAN WFBL WGR WHEC
 WHP WIBW WISN WKRB WKRC
 WLAB WLWB WLWB WMAL WMT
 WNAX WOKO WPG WQAM WREC
 WSPD WTAR WTOC WVVV WXYZ

E-11:15 p.m., C-10:15, M-9:15, P-8:15
R — Ralph Kirbery, Dream Singer
 WCAE WDAF WFAF WENR WFBR
 WFI WGY WHO WOC WOW WWJ
B — Sylvia Froos, Songs
 KDKA WBAL WCKY WGAR WJR
 WJZ

E-11:30 p.m., C-10:30, M-9:30, P-8:30
C — Evening Melodies
 KDYL KFH KFJF KGB KHJ KOH
 KOL KTRH WABC WADC WBRC
 WBT WCAH WCAO WCAU WCCO
 WDAE WDBO WEAN WFBL WGR
 WHEC WHK WHP WIBW WISN
 WKBN WKRC WLAB WLWB WLWB
 WMAL WMT WNAC WNAX WOKO
 WPG WQAM WREC WSPD WTAR
 WTOC WVVV WXYZ

R — Jesse Crawford at Organ
 WCAE WCKY WDAF WFAF WENR
 WFBR WGY WHO WJAR WOC
 WOW WRC WTAM WWJ

E-12:00 m., C-11:00, M-10:00, P-9:00
C — Eddie Duchin, Casino Park Orch.
 KFH KOH KTRH WABC WCAU
 WCCO WEAN WFBL WGR WHP
 WIBW WISN WKRN WKRC WLAB
 WLWB WMT WNAC WNAX WOKO
 WSPD WTAR

INDEX BY FREQUENCIES AND DIAL NUMBERS

NOTICE OF COPYRIGHT

The method of logging by wave-lengths or frequencies was devised by The Radex Press in 1924 and has been copyrighted and recopyrighted each year since that time. The arrangement of stations in groups by frequencies or wave-lengths with dial readings in connection therewith is fully covered by our copyright and all infringers will be vigorously prosecuted.

KEY

Frequency in kilocycles. Wavelengths in meters. Night power in watts in third column. Second column symbols: *Verifies reception for postage or sends station stamp for 10c. †Verifies for postage; no stamp. ‡ Stamp only. † Does not verify. § Does not reply. \$ Verification 25c, reply card 10c. Fourth column symbols: D, Daytime only. Dn, Daytime but may use some evening hours. S, Sunday only. X, Has permit to increase power. † Uses greater power in daytime. CP, Has construction permit only. Z, Has permit to change frequency. Y, has permit to change location. □ These stations are synchronized. 1-2-3, Small figures indicate stations sharing time. a-b-c, Small letters indicate stations with two sets of calls. Some Canadian, Cuban and Mexican stations have odd frequencies, correct frequency shown in fourth column. Dashes (---) have no meaning.

Columbia: C National: Red R. Blue B. Both N.

540 kilocycles 555.6 meters

CKX † 500 --- Brandon, Manitoba

--	--	--

Manitoba Telephone System

550 kilocycles 545.1 meters

KFDY † 500 1+ Brookings, S. D.
 KFUO * 500 2+ St. Louis, Mo.
 KFYZ † 1000 1+N Bismarck, N. D.
 KOAC † 1000 --- Corvallis, Ore.
 KSD † 500 2R St. Louis, Mo.
 WGR * 1000 C Buffalo, N. Y.
 WKRC † 1000 C Cincinnati, Ohio

--	--	--

S. D. State College
 Concordia Theological Seminary
 Meyer Broadcasting Co.
 State Agricultural College
 Pulitzer Publishing Co.
 Buffalo Broadcasting Co.
 WKRC Incorporated

560 kilocycles 535.4 meters

KFDM * 500 X+ Beaumont, Texas
 KLZ * 1000 C Denver, Colo.
 KTAB * 1000 --- San Francisco, Cal.
 WFI * 500 1R Philadelphia, Pa.
 WIBO * 1000 3+ Chicago, Ill.
 WLIT † 500 1R Philadelphia, Pa.
 WNOX * 1000 X+C Knoxville, Tenn.
 WPCC * 500 3S Chicago, Ill.
 WQAM * 1000 C Miami, Fla.

--	--	--

Magnolia Petroleum Co.
 Reynolds Radio Co., Inc.
 Associated Broadcasters
 Strawbridge & Clothier
 Nelson Bros. Bond & Mortgage Co.
 Lit Brothers
 WNOX, Inc.
 North Shore Congregational Church
 Miami Broadcasting Co.

570 kilocycles 526.0 meters

KGKO * 250 + Wichita Falls, Texas
 KMTR * 500 --- Hollywood, Cal.
 KXA * 500 --- Seattle, Wash.
 TGW --- 50 --- Guatamala
 WEAO † 750 1 Columbus, Ohio
 WKBN * 500 1C Youngstown, Ohio
 WMAC --- 250 2a Syracuse, N. Y.
 WMCA * 500 3 New York City
 WNAX * 1000 C Yankton, S. D.
 WNYC † 500 3 New York City
 WSYR --- 250 2a Syracuse, N. Y.
 WWNC * 1000 N Asheville, N. C.

--	--	--

Wichita Falls Broadcasting Co.
 KMTR Radio Corp.
 American Radio Tel. Co.

Ohio State University
 WKBN Broadcasting Corp.
 Clive B. Meredith
 Knickerbocker Broadcasting Co., Inc.
 House of Gurney, Inc.
 Dept. of Plants and Structures
 Clive B. Meredith
 Citizens Broadcasting Co., Inc.

580 kilocycles 516.9 meters

CFCL --- 500 Sa Toronto, Ont.
 CFCY --- 500 --- Charlottetown, P. E. I.
 CHMA --- 250 4S Edmonton, Alta.
 CKCL --- 500 a Toronto, Ont.
 CKUA † 500 4 Edmonton, Alta.
 KGFX --- 200 D Pierre, S. D.
 KSAC † 500 2+ Manhattan, Kans.
 WIBW * 1000 2+C Topeka, Kansas
 WOBW * 250 1+ Charleston, W. Va.
 WSAZ * 250 1+ Huntington, W. Va.
 WTAG * 250 R Worcester, Mass.

--	--	--

Dominion Battery Co.
 The Island Radio Co.
 Christian and Missionary Alliance
 The Dominion Battery Co.
 University of Alberta
 Dana McNeil
 State Agricultural College
 Topeka Broadcasting Assn., Inc.
 WOBW, Inc.
 WSAZ, Inc.
 Telegram Publishing Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

590 kilocycles 508.2 meters

CMW	--	1400	588
KHQ	--	1000	+N
WCAJ	*	500	I
WBEI	†	1000	R
WKZO	*	1000	D
WOW	*	1000	IN

Havana, Cuba
Spokane, Wash.
Lincoln, Nebr.
Boston, Mass.
Kalamazoo, Mich.
Omaha, Nebr.

78		

Columbus Commercial & Radio Co.
Louis Wasmer, Inc.
Nebraska Wesleyan University
Edison Elec. Illuminating Co.
WKZO, Inc.
Woodmen of the World

KCY.S.
670
MTRS.
447.5
DIAL

600 kilocycles 499.7 meters

CNRO	†	500	--
KFSD	*	500	+N
WCAC	†	250	2+
WCAO	*	250	C
WICC	*	250	2+
WMT	*	500	C
WREC	*	500	+C

Ottawa, Ont.
San Diego, Cal.
Storrs, Conn.
Baltimore, Md.
Bridgeport, Conn.
Waterloo, Iowa
Memphis, Tenn.

76		

Canadian National Railways
Airfan Radio Corp.
Conn. Agricultural College
Monumental Radio, Inc.
Bridgeport Broadcasting Station, Inc.
Waterloo Broadcasting Co.
WREC, Inc.

610 kilocycles 491.5 meters

KFRC	*	1000	C
VPN	--	500	--
WDAF	--	1000	N
WFAN	*	500	Ca
WIP	--	500	Ca
WJAY	†	500	D

San Francisco, Cal.
Nassau, Bahama
Kansas City, Mo.
Philadelphia, Pa.
Philadelphia, Pa.
Cleveland, Ohio

70		

Don Lee, Inc.
Development Board
Kansas City Star Co.
Keystone Broadcasting Co., Inc.
Gimbel Bros. Co.
Cleveland Radio Broadcasting Corp.

620 kilocycles 483.6 meters

CMCJ	--	250	---
HIX	--	1000	---
KGW	*	1000	+N
KTAR	*	500	+N
KZRM	--	1000	618.5
WFLA	*	1000	+Na
WLBZ	†	500	C
WSUN	*	1000	+Na
WTMJ	*	1000	+N

Havana, Cuba
Santo Domingo
Portland, Ore.
Phoenix, Arizona
Manila, P. I.
Clearwater, Fla.
Bangor, Maine
St. Petersburg, Fla.
Milwaukee, Wis.

70		

Rafael Rodriguez
Dominican Republic
Oregonian Publishing Co
KTAR Broadcasting Co.
Radio Corp. of the Philippines
Chamber of Commerce
Maine Broadcasting Co., Inc.
Chamber of Commerce
Milwaukee Journal

630 kilocycles 475.9 meters

CFCT	*	50	---
CJGX	--	500	---
CKOC	--	500	+aZ
CKTB	--	500	+aZ
CNRA	*	500	I--
KFRU	*	500	I--
WGBF	†	500	I
WMAL	*	250	+C
WOS	*	500	I
XETF	--	500	---

Victoria, B. C.
Yorkton, Sask.
Hamilton, Ont.
St. Catharines, Ont.
Moncton, N. B.
Columbia, Mo.
Evansville, Ind.
Washington, D. C.
Jefferson City, Mo.
Veracruz, Ver.
Windsor, Ont.

70		

Victoria Broadcasting Association
Winnipeg Grain Exchange
Wentworth Radio Broadcasting Co.
Taylor & Bate, Ltd.
Canadian National Railways
Stephens College
Evansville on the Air, Inc.
M. A. Leese Radio Corp.
John D. Heiny
Manuel Angel Fernandez & Cia.
Essex Broadcasters, Ltd.

640 kilocycles 468.5 meters

CHRC	--	100	645a
CKCI	†	100	645a
CKCR	--	100	645
CMHJ	--	40	645
KFI	*	50000	N
WAU	*	500	C Dn
WOI	*	5000	D

Quebec, Que.
Quebec, Que.
Waterloo, Ont.
Cienfuegos, Cuba
Los Angeles, Cal.
Columbus, Ohio
Ames, Iowa

70		

E. Fontaine
Le "Soleil," Ltd.
Mitchell & Liddle
Arturo Hernandez
Earle C. Anthony, Inc.
Associated Radiocasting Corp.
State College of Agriculture

650 kilocycles 461.3 meters

KPCB	*	100	Dn
WSM	*	5000	NX

Seattle, Wash.
Nashville, Tenn.

70		

Queen City Broadcasting Co.
National Life & Accident Ins. Co.

660 kilocycles 454.3 meters

CHWK	†	100	665
CJRM	†	500	665
CJRW	†	1000	665
CMCO	--	250	---
CMDC	--	500	---
RUS	--	500	664
WAAW	*	500	D
WEAF	†	5000	R □
WTIC	*	5000	R □

Chilliwack, B. C.
Moose Jaw, Sask.
Fleming, Sask.
Havana, Cuba
Havana, Cuba
Salvador
Omaha, Nebr.
New York City
Hartford, Conn.

70		

Chilliwack Broadcasting Co., Ltd.
Jas. Richardson & Sons, Ltd.
Jas. Richardson & Sons, Ltd.
J. L. Stowers
Juan Fernandez de Castro
Republic of El Salvador
Omaha Grain Exchange
National Broadcasting Co., Inc.
Travelers Broadcasting Service, Inc.

670 kilocycles 447.5 meters

VOWR	--	500	675
WMAQ	*	5000	N

St. Johns, N. F.
Chicago, Ill.

70		

Wesley United Church
National Broadcasting Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

680 kilocycles 440.9 meters

KFEQ	*	2500	D	St. Joseph, Mo.
KPO	†	5000	NX	San Francisco, Cal.
WPTF	*	1000	N Dn	Raleigh, N. C.
XFG	--	2000	683.3	Mexico, Mex.

Scroggin & Co., Bank Hale Bros. & The Chronicle Durham Life Insurance Co. Sria. de Guerra y Marina		

690 kilocycles 434.5 meters

CFAC	--	500	1	Calgary, Alta.
CFRB	*-	4000	Ca	Toronto, Ont.
CJ CJ	*	500	1	Calgary, Alta.
CNRX	*	4000	a	Toronto, Ont.
NAA	--	1000		Arlington, Va.
VAS	†	2000	685	Glance Bay, N. S.
XET	†	500	---	Monterrey, Mexico

The Calgary Herald Rogers-Majestic Corp., Ltd. Albertan Publishing Co., Ltd. Canadian National Railways U. S. Navy Canadian Marconi Co. Mexico Music Co., S. A.		

700 kilocycles 428.3 meters

WLW	*	5000	B	Cincinnati, Ohio
-----	---	------	---	------------------

Crosley Radio Corp.		

710 kilocycles 422.3 meters

KMPG	*	500	Dn	Beverly Hills, Cal.
WOR	*	5000	X	Newark, N. J.
XEN	†	1000	711	Mexico City

R. S. MacMillan Bamberger Broadcasting Service, Inc. Cia. Civil de Inversiones		

720 kilocycles 416.4 meters

WGN	†	25000	C	Chicago, Ill.
-----	---	-------	---	---------------

Chicago Tribune		

730 kilocycles 410.7 meters

CHLS	--	100	1b	Vancouver, B. C.
CHYC	*	5000	Sa	Montreal, Que.
CKAC	†	5000	Ca	Montreal, Que.
CKCD	--	100	1b	Vancouver, B. C.
CKFC	†	50	1	Vancouver, B. C.
CKMO	--	100	1	Vancouver, B. C.
CKWX	†	100	1	Vancouver, B. C.
CMK	--	3150	---	Havana, Cuba
CNRM	*	5000	a	Montreal, Que.
XER	--	75000	735	Villa Acuna, Mex.

W. G. Hassell Northern Electric Co., Ltd. La Presse Publishing Co., Ltd. Vancouver Daily Province United Church of Canada Spratt-Shaw Radio Co. Western Broadcasting Co., Ltd. Cuban Broadcasting Co., Hotel Plaza Canadian National Railways Dr. John R. Brinkley		

740 kilocycles 405.2 meters

CJCA	*	500	745	Edmonton, Alta.
KMMJ	*	1000	Dn	Clay Center, Nebr.
WSB	--	5000	NX	Atlanta, Ga.

The Edmonton Journal, Ltd. The M. M. Johnson Co. Atlanta Journal Co.		

750 kilocycles 399.8 meters

WJR	†	10000	BX	Detroit, Mich.
XEQ	--	5000	---	Juarez, Chih.

WJR. The Goodwill Station, Inc. Feliciano Lopez Islas		

760 kilocycles 394.5 meters

KVI	*	1000	C Dn	Tacoma, Wash.
WBAL	*	1000	B □	Baltimore, Md.
WEW	*	1000	D	St. Louis, Mo.
WJZ	†	30000	B □	New York City

Puget Sound Broadcasting Co., Inc. Consolidated Gas, Elec. & Power Co. St. Louis University National Broadcasting Co., Inc.		

770 kilocycles 389.4 meters

KFAB	*	5000	1X C	Lincoln, Nebr.
WBBM	*	25000	1C	Chicago, Ill.

KFAB Broadcasting Co. WBBM Broadcasting Corp.		

780 kilocycles 384.4 meters

CKY	--	5000	a	Winnipeg, Manitoba
CNRW	--	5000	a	Winnipeg, Manitoba
KELW	*	500	2	Burbank, Cal.
KTM	*	500	2+	Los Angeles, Cal.
WEAN	*	250	+C	Providence, R. I.
WMC	--	500	+N	Memphis, Tenn.
WPOR	--	500	1b	Norfolk, Va.
WTAR	*	500	1Cb	Norfolk Va.
XEZ	*	500	---	Mexico, Mex.

Manitoba Telephone System Canadian National Railways Magnolia Park, Ltd. Pickwick Broadcasting Corp. Shepard Broadcasting Service, Inc. Memphis Commercial-Appeal, Inc. WTAR Radio Corp. WTAR Radio Corp. Joaquin Capilla		

INDEX BY FREQUENCIES AND DIAL NUMBERS

790 kilocycles 379.5 meters

CMBS	--	150	---	Havana, Cuba
CMHC	--	100	---	Tuinucu, Cuba
KGO	--	7500	N	San Francisco, Cal.
WGY	†	50000	R	Schenectady, N. Y.

--	--	--

Enrique Artalejo
Frank H. Jones
National Broadcasting Co., Inc.
General Electric Co.

800 kilocycles 374.8 meters

WBAP	†	10000	IXN	Fort Worth, Texas
WFAA	†	50000	1N	Dallas, Texas

--	--	--

Carter Publications, Inc.
News & Journal

810 kilocycles 370.2 meters

CHNS	*	500	Za815	Halifax, N. S.
CNRH	--	500	Za815	Halifax, N. S.
WCCO	*	5000	CX	Minneapolis, Minn.
WPCB	*	500	D	New York City
XFC	--	250	---	Aguaascalientes, Mexico
VOAS	--	75	---	St. John's, N. F.

--	--	--

Maritime Broadcasting Co., Ltd.
Canadian National Railways
Northwestern Broadcasting, Inc.
Eastern Broadcasters, Inc.
Gobierno del Estado de Aguascalientes
Ayre & Sons, Ltd.

KCYS.
880

MTRS.
340.7

DIAL

820 kilocycles 365.6 meters

WHAS	†	10000	NX	Louisville, Ky.
XFI	--	1000	818	Mexico City

--	--	--

Courier-Journal & Times
Sria. de Ind., Comercio y Trabajo

830 kilocycles 361.2 meters

CMGA	--	100	834	Colon, Cuba
KOA	†	12500	NX	Denver, Colo.
WEEU	--	1000	D	Reading, Pa.
WGM	--	50	---	Jeanette, Pa.
WHDH	--	1000	D	Boston, Mass.
WRUF	*	5000	Dn	Gainesville, Fla.

--	--	--

Leopoldo V. Figueroa
National Broadcasting Co., Inc.
Berks Broadcasting Co.
Lee Elton Spencer
Matheson Radio Co., Inc.
University of Florida

840 kilocycles 356.9 meters

CKGW	*	5000	Na	Toronto, Ont.
KKLC	†	1000	b	Red Deer, Alta.
CMC	*	500	842	Havana, Cuba
CNRD	†	1000	a	Red Deer, Alta.
CPRY	--	5000	b	Toronto, Ont.

--	--	--

Gooderham & Worts, Ltd.
Alberta Pacific Grain Co., Ltd.
Cuban Telephone Co.
Canadian National Railways
Canadian Pacific Railways

850 kilocycles 352.7 meters

KWKH	*	10000	1	Shreveport, La.
WWL	*	10000	1	New Orleans, La.

--	--	--

Hello World Broadcasting Corp.
Loyola University

860 kilocycles 348.6 meters

CMJE	--	20	856	Camaguey, Cuba
KMO	†	500	+ Dn	Tacoma, Wash.
WABC	*	50000	Ca	New York City
WBOQ	--	50000	a	New York City
WHB	*	500	D	Kansas City, Mo.
XFX	--	500	867	Mexico City, Mexico

--	--	--

Manuel Fernandez
KMO, Inc.
Atlantic Broadcasting Corp.
Atlantic Broadcasting Corp.
WHB Broadcasting Co.
Secretaria de Educacion Publica

870 kilocycles 344.6 meters

WENR	--	50000	1N	Chicago, Ill.
WLS	†	50000	1B	Chicago, Ill.
XFF	--	500	875	Chihuahua, Chih.

--	--	--

National Broadcasting Co., Inc.
Agricultural Broadcasting Co.
Gobierno del Estado de Chihuahua

880 kilocycles 340.7 meters

CHML	*	50	4	Hamilton, Ont.
CJCB	*	50	---	Sydney, N. S.
CKCV	†	50	a	Quebec, Que.
CKPC	†	100	4	Preston, Ont.
CNRQ	†	50	a	Quebec, Que.
KFKA	†	500	2+	Greeley, Colo.
KLX	* 500	---	---	Oakland, Cal.
KPOF	*	500	2	Denver, Colo.
WCOG	*	500	+	Meridian, Miss.
WGBI	*	250	1	Scranton, Pa.
WQAN	*	250	1	Scranton, Pa.
WSUI	*	500	---	Iowa City, Iowa

--	--	--

Maple Leaf Radio Co., Ltd.
N. Nathanson
G. A. Vandry
Cyrus Dolph
Canadian National Railways
Midwestern Radio Corp.
Tribune Publishing Co.
Pillar of Fire, Inc.
Mississippi Broadcasting Co., Inc.
Scranton Broadcasters, Inc.
Scranton Times
University of Iowa

INDEX BY FREQUENCIES AND DIAL NUMBERS

890 kilocycles 336.9 meters

CFBO	*	500	---	St. John, N. B.
CKCO	†	100	3	Ottawa, Ont.
CKPR	*	50	3	Ft. William, Ont.
CMCF	†	250	---	Havana, Cuba
CMX	*	1000	885	Havana, Cuba
KARK	*	250	---	Little Rock, Ark.
KFNF	*	500	2+	Shenandoah, Iowa
KUSD	*	500	2	Vermillion, S. D.
WGST	*	250	+C	Atlanta, Ga.
WILL	†	250	2+	Urbana, Ill.
WJAR	*	500	+R	Providence, R. I.
WKAQ	*	250	---	San Juan, P. R.
WMMN	*	250	+	Fairmont, W. Va.
XES	\$	500	---	Tampico, Mexico

--	--	--

C. A. Munro, Ltd.
Dr. G. M. Geldert
Dougall Motor Car Corp.
Raoul Karman
Francisco Lavin
Arkansas Radio & Equipment Co.
Henry Field Co.
University of South Dakota
Georgia School of Technology
University of Illinois
The Outlet Co.
Radio Corp. of Porto Rico
Holt-Rowe Broadcasting Co.
Difusora Portena XES

900 kilocycles 333.1 meters

KGBU	†	500	---	Ketchikan, Alaska
KHJ	*	1000	C	Los Angeles, Cal.
KSEI	*	250	---	Pocatello, Idaho
WBEN	*	1000	R	Buffalo, N. Y.
WJAX	*	1000	N	Jacksonville, Fla.
WKY	*	1000	N	Oklahoma City
WLBL	†	2000	D	Ellis, Wis.

--	--	--

Alaska Radio & Service Co.
Don Lee, Inc.
Radio Service Corp.
WBEN, Inc.
City of Jacksonville
WKY Radiophone Co.
Wisconsin Dept. of Markets

910 kilocycles 329.6 meters

CFLC	*	100	915	Prescott, Ont.
CFQC	*	500	a	Saskatoon, Sask.
CJGC	*	5000	b	London, Ont.
CNRL	*	5000	b	London, Ont.
CNRS	--	500	a	Saskatoon, Sask.
TICR	--	50	911	San Jose, Costa Rica
XEW	†	5000	---	Mexico City

--	--	--

Radio Association
The Electric Shop, Ltd.
Free Press Printing Co., Ltd.
Canadian National Railways
Canadian National Railways
Mexico Music Co.

920 kilocycles 325.9 meters

HHK	*	1000	---	Port au Prince, Haiti
KFEL	†	500	I	Denver, Colo.
KFXF	†	500	I	Denver, Colo.
KOMO	†	1000	N	Seattle, Wash.
KPRC	*	1000	+N	Houston, Texas
WAAF	--	500	D	Chicago, Ill.
WBOS	--	500	D	Needham, Mass.
WWJ	†	1000	R	Detroit, Mich.

--	--	--

Republic of Haiti
Eugene P. O'Fallon, Inc.
Colorado Radio Corp.
Fisher's Blend Station, Inc.
Houston Printing Co.
Drivers' Journal Publishing Co.
Babson Service Organization, Inc.
The Detroit News

930 kilocycles 322.4 meters

CFCH	--	100	3	North Bay, Ont.
CFRC	--	50	3+	Kingston, Ont.
CMCD	--	250	925	Havana, Cuba
CMCN	--	250	925	Havana, Cuba
CMJF	--	50	---	Camaguey, Cuba
KFWI	†	500	I	San Francisco, Cal.
KGBZ	--	500	2+	York, Nebr.
KMA	*	500	2+	Shenandoah, Iowa
KROW	*	500	1+X	Oakland, Cal.
WBRC	*	500	+C	Birmingham, Ala.
WDBJ	*	250	+C	Roanoke, Va.
WIBG	*	25	D	Elkins Park, Pa.

--	--	--

Northern Supplies, Ltd.
Queen's University
Angel Bertemay
Antonio Ginard
John L. Stowers
Radio Entertainments, Inc.
Dr. George R. Miller
May Seed & Nursery Co.
Educational Broadcasting Corp.
Birmingham Broadcasting Co., Inc.
Times-World Corp.
WIBG, Inc.

940 kilocycles 319.0 meters

KGU	†	1000	N	Honolulu, Hawaii
KOIN	*	1000	C	Portland, Oregon
KZRC	--	500	937.5	Cebu, P. I.
WAAT	--	300	D	Jersey City, N. J.
WCSH	*	1000	R	Portland, Maine
WDAY	*	1000	N	Fargo, N. D.
WFIW	*	1000	C	Hopkinsville, Ky.
WHA	--	750	D+	Madison, Wis.
XEO	--	5000	---	Mexico City

--	--	--

Marion A. Mulrony
KOIN, Inc.
Bremer Broadcasting Corp.
Congress Square Hotel Co.
WDAY, Inc.
WFIW, Inc.
University of Wisconsin
National Revolucionario Party

950 kilocycles 315.6 meters

CMHD	--	250	---	Caibarien, Cuba
KFWB	*	1000	---	Hollywood, Cal.

--	--	--

Manuel Alvarez
Warner Bros. Broadcasting Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

KGHL -- 1000 N
 KMBC * 1000 C
 VONA -- 30
 WRC † 500 N

Billings, Mont.
 Kansas City, Mo.
 St. John's, N. F.
 Washington, D. C.

Northwestern Auto Supply Co., Inc.
 Midland Broadcasting Co., Inc.
 Lane, Gillard & Avery
 National Broadcasting Co., Inc.

960 kilocycles 312.3 meters

CHCK -- 100
 CHWC * 500 3
 CJBR -- 500 3a
 CKKC † 500 3a
 CKNC * 500
 CMBC -- 150 965
 CMBD -- 150 965
 CNRR -- 500 3a
 XED * 1000 965

Charlottetown, P. E. I.
 Regina, Sask.
 Regina, Sask.
 Regina, Sask.
 Toronto, Ont.
 Havana, Cuba
 Havana, Cuba
 Regina, Sask.
 Reynosa, Mexico

W. E. Burke & J. E. Gesner
 R. H. Williams & Sons, Ltd.
 Cooperative Wheat Producers, Ltd.
 Leader-Post, Ltd.
 Canadian National Carbon Co., Ltd.
 Domingo Fernandez
 Luis Perez Garcia
 Canadian National Railways
 International Broadcasting Co.

970 kilocycles 309.1 meters

CMBT -- 500
 CMGF -- 50 977
 KJR * 5000 B
 WCFL -- 1500 R Dn

Havana, Cuba
 Matanzas, Cuba
 Seattle, Wash.
 Chicago, Ill.

Emilio Perera
 Bernabe R. de la Torre
 Northwest Broadcasting System, Inc.
 Chicago Federation of Labor

980 kilocycles 305.9 meters

CFCN -- 10000 985
 KDKA -- 50000 B
 TIANRH -- 15

Calgary, Alta.
 Pittsburgh, Pa.
 Heredia, C. R.

W. W. Grant & H. G. Love
 Westinghouse Elec. & Mfg. Co.
 Armando Cespedes

KCYS.
 1020

MTRS.
 293.9

DIAL

990 kilocycles 302.8 meters

WBZ † 25000 B X
 WBZA † 1000 B X
 XEK -- 101

Boston, Mass.
 Springfield, Mass.
 Mexico City

Westinghouse Elec. & Mfg. Co.
 Westinghouse Elec. & Mfg. Co.
 Arturo Martinez

1000 kilocycles 299.8 meters

KFVD * 250 Dn
 WGE0 -- 1000 D
 WHO * 5000 N X
 WOC * 5000 N X
 XEA -- 100
 XEC -- 50
 XEE * 105
 XEFE -- 100
 XEFI -- 100
 XEFS -- 40
 XEI * 101
 XEJ * 100
 XEL -- 25
 XETC -- 100
 XETG -- 100
 XEU -- 100
 XEV -- 100
 XEY -- 105

Culver City, Cal.
 York, Pa.
 Des Moines, Iowa
 Davenport, Iowa
 Guadalajara, Jal.
 Toluca, Mex.
 Oaxaca, Oax.
 N. Laredo, Tams.
 Chihuahua, Chih.
 Queretaro, Qro.
 Morelia, Mexico
 Juarez, Chih.
 Saltillo, Coah.
 Jalapa, Ver.
 Torreon, Coah.
 Veracruz, Ver.
 Puebla, Pue.
 Merida, Yuc.

Los Angeles Broadcasting Co.
 York Broadcasting Co.
 Central Broadcasting Co.
 Central Broadcasting Co.
 Alberto Palos Sauza
 Jesus R. Benavides
 Alfonso Zorilla B.
 Rafael T. Carranza
 Feliciano Lopez Islas
 Salvador Sanchez
 Carlos Gutierrez M.
 Juan G. Buttner
 Antonio Garza Castro
 Juventino Sanchez
 Feliciano Lopez Islas
 Fernando Pazos
 Ciro Molina
 Partido Socialista S. E.

1010 kilocycles 296.8 meters

CKIC -- 50
 CMBW -- 150
 CMBZ -- 150
 KGGF † 500 2
 KQW * 500
 WHN * 250 1
 WIS * 500 +N
 WNAD * 500 2
 WPAP * 250 1
 WQAO -- 250 1
 WRNY -- 250 1

Wolfville, N. S.
 Havana, Cuba
 Havana, Cuba
 S. Coffeyville, Okla.
 San Jose, Cal.
 New York City
 Columbia, S. C.
 Norman, Okla.
 New York City
 New York City
 New York City

Acadia University
 Modesto Alvarez
 Manual y G. Salas
 Powell & Platz
 Pacific Agricultural Foundation, Ltd.
 Marcus Loew Booking Agency
 South Carolina Broadcasting Co., Inc.
 University of Oklahoma
 Palisades Amusement Park
 Calvary Baptist Church
 Aviation Radio Station, Inc.

1020 kilocycles 293.9 meters

CMJH -- 15 1017
 KFKX * 1000 Na
 KYW * 1000 Na
 WRAX † 250 D
 XEFD -- 300

Ciego de Avila, Cuba
 Chicago, Ill.
 Chicago, Ill.
 Philadelphia, Pa.
 Tlajuana, B. C.

Luis Marauri
 Westinghouse Elec. & Mfg. Co.
 Westinghouse Elec. & Mfg. Co.
 WRAX Broadcasting Co.
 Carlos de la Sierra

INDEX BY FREQUENCIES AND DIAL NUMBERS

1030 kilocycles 291.1 meters

CFCF	--	500	N	Montreal, Que.
CMKC	*	150	1034	Santiago de Cuba
KNRV	†	500	---	Vancouver, B. C.
XEB	†	1000	---	Mexico City, Mexico

Canadian Marconi Co. M. P. Martinez Canadian National Railways El Buen Tono, S. A.		

1040 kilocycles 288.3 meters

KRLD	*	10000	C1	Dallas, Texas
KTHS	†	10000	N1	Hot Springs, Ark.
WKAR	*	1000	D	East Lansing, Mich.

KRLD Radio Corp. Chamber of Commerce Michigan State College		

1050 kilocycles 285.5 meters

KFBI	*	5000	Dn	Milford, Kansas
KNX	*	5000	---	Hollywood, Cal.
XEFC	--	10	---	Merida, Yuc.

Farmers & Bankers Life Insurance Co. Western Broadcast Co. Hugo Molina Font.		

1060 kilocycles 282.8 meters

KWJJ	*	500	Dn	Portland, Ore.
WBAL	*	10000	1N	Baltimore, Md.
WJAG	*	1000	Dn	Norfolk, Nebr.
WTIC	*	50000	1N	Hartford, Conn.

KWJJ Broadcast Co., Inc. Consolidated Gas Elec. & Pwr. Co. Norfolk Daily News Travelers Broadcasting Service Corp.		

1070 kilocycles 280.2 meters

CMBG	--	150	---	Havana, Cuba
CMCB	--	150	---	Havana, Cuba
KJBS	*	100	D	San Francisco, Cal.
WCAZ	*	50	D	Carthage, Ill.
WDZ	†	100	D	Tuscola, Ill.
WTAM	*	50000	R	Cleveland, Ohio

Francisco Garrigo Antonio Capablanca Julius Bruntton & Sons Co. Superior Broadcasting Service James L. Bush National Broadcasting Co., Inc.		

1080 kilocycles 277.6 meters

WBT	*	5000	CX	Charlotte, N. C.
W CBD	*	5000	1 Dn	Zion, Ill.
WMBI	*	5000	1 Dn	Chicago, Ill.

Station WBT, Inc. Wilbur Glenn Voliva Moody Bible Institute		

1090 kilocycles 275.1 meters

KMOX	*	50000	C	St. Louis, Mo.
------	---	-------	---	----------------

Voice of St. Louis, Inc.		

1100 kilocycles 272.6 meters

KGDM	*	250	DX	Stockton, Cal.
WLWL	*	5000	1	New York City
WPG	*	5000	1C	Atlantic City, N. J.

E. F. Peffer Missionary Society of St. Paul WPG Broadcasting Corp.		

1110 kilocycles 270.1 meters

CMHI	--	15	---	Santa Clara, Cuba
KSOO	*	2500	Dn	Sioux Falls, S. D.
KZKA	--	1000	---	Manilla, P. I.
WRVA	*	5000	N	Richmond, Va.

Laviz y Paz Sioux Falls Broadcasting Assn., Inc. Larus & Bros. Co., Inc.		

1120 kilocycles 267.7 meters

CFA	†	500	a	Toronto, Ont.
CFJC	†	100	---	Kamloops, B. C.
CHGS	*	100	---	Summerside, P. E. I.
CJOC	†	100	---	Lethbridge, Alta
CNRT	†	500	a	Toronto, Ont.
KFIO	†	100	D	Spokane, Wash.
KFSG	*	500	3	Los Angeles, Cal.
KRKD	*	500	3	Los Angeles, Cal.
KRSC	†	50	D	Seattle, Wash.
KTRH	*	500	2C	Houston, Texas
WDBO	*	500	+C	Orlando, Fla.
WDEL	†	250	+X	Wilmington, Del.
WHAD	*	250	1	Milwaukee, Wis.
WISN	†	250	1C	Milwaukee, Wis.
WTAW	*	500	2	College Station, Texas

Star Pub. & Ptg. Co. N. S. Dalgleish & Sons R. T. Holman, Ltd. Harold R. Carson Canadian National Railways Spokane Broadcasting Corp. Echo Park Evang. Assn. Dalton's, Inc. Radio Sales Corp. Rice Hotel Orlando Broadcasting Co., Inc. WDEL, Inc. Marquette University Evening Wisconsin Co. Agricultural & Mech. College		

1130 kilocycles 265.3 meters

KSL	*	5000	NX	Salt Lake City
WJJD	*	20000	Dn	Mooseheart, Ill.
WOV	--	1000	D	New York City
XEH	--	1000	1132	Monterrey, N. L.

Radio Service Corp. of Utah Loyal Order of Moose International Broadcasting Corp. Constantino Tarnava		

INDEX BY FREQUENCIES AND DIAL NUMBERS

1140 kilocycles 263.0 meters

KVOO * 5000 1NX Tulsa, Okla.
 WAPI * 5000 1NX Birmingham, Ala.
 XETA -- 500 --- Mexico City

Southwestern Sales Corp.
 Alabama Polytechnic Institute
 Manuel Espinosa Tagle

1150 kilocycles 260.7 meters

CMCQ -- 600 --- Havana, Cuba
 CMQ † 250 --- Havana, Cuba
 WHAM * 5000 BX Rochester, N. Y.
 10-AT -- 25 1155 Trail, B. C.

Andres Martinez
 Jose Fernandez
 Stromberg-Carlson Tel. Mfg. Co.
 Trail Amateur Radio Assn.

1160 kilocycles 258.5 meters

WOWO * 10000 1C Ft. Wayne, Ind.
 WWVA * 5000 1C Wheeling, W. Va.

Main Auto Supply Co.
 West Virginia Broadcasting Corp.

1170 kilocycles 256.3 meters

WCAU * 10000 CX Philadelphia, Pa.

Universal Broadcasting Co.

1180 kilocycles 254.1 meters

KEX * 5000 2B Portland, Ore.
 KOB * 20000 2 State College, N. M.
 WDGY * 1000 Dn Minneapolis, Minn.
 WINS † 500 --- New York City
 WMAZ * 500 --- Macon, Ga.

Western Broadcasting Co.
 College of Agriculture X Mech. Arts
 Dr. George W. Young
 American Radio News Corp.
 Southeastern Broadcasting Co., Inc.

1190 kilocycles 252.0 meters

WOAI * 50000 N San Antonio, Texas

Southern Equipment Co.

1200 kilocycles 249.9 meters

CKOV -- 100 --- Kelowna, B. C.
 CMGB -- 7.5 1205 Matanzas, Cuba
 CMJG -- 30 --- Camaguey, Cuba
 KBTM -- 100 D Paragould, Ark.
 KERN -- 100 --- Bakersfield, Cal.
 KFJB † 100 + Marshalltown, Iowa
 KFWF -- 100 5+ St. Louis, Mo.
 KGDE * 100 + Fergus Falls, Minn.
 KGDY -- 100 --- Huron, S. D.
 KGEK † 100 9 Yuma, Colo.
 KGEW † 100 9 Fort Morgan, Colo.
 KGFJ -- 100 --- Los Angeles, Cal.
 KGIH * 100 --- Little Rock, Ark.
 KGY † 100 + Olympia, Wash.
 KMLB -- 100 D Monroe, La.
 KVOS * 100 --- Bellingham, Wash.
 KWG * 100 --- Stockton, Cal.
 WABI † 100 --- Bangor, Maine
 WABZ * 100 1 New Orleans, La.
 WBBZ * 100 --- Ponca City, Okla.
 WBHS * 50 10CP Huntsville, Ala.
 WCAT † 100 --- Rapid City, S. D.
 WCAX * 100 2 Burlington, Vt.
 WCLO † 100 --- Janesville, Wis.
 WCOD † 100 3 Harrisburg, Pa.
 WFAM * 100 8 South Bend, Ind.
 WFBC * 50 10 Knoxville, Tenn.
 WFBE -- 100 + Cincinnati, Ohio
 WHBC † 10 --- Canton, Ohio
 WHBY † 100 --- Green Bay, Wis.
 WIBX * 100 + Utica, N. Y.
 WIL * 100 5+ St. Louis, Mo.
 WJBC * 100 6 La Salle, Ill.
 WJBL † 100 6 Decatur, Ill.
 WJBW † 100 1 New Orleans, La.
 WJJC * 100 3 Lancaster, Pa.
 WLAP † 250 C Louisville, Ky.
 WLBG * 100 + Petersburg, Va.
 WNBO * 100 --- Washington, Pa.
 WNBW † 10 --- Carbondale, Pa.
 WNBX † 10 2 Springfield, Vt.
 WORC * 100 CX Worcester, Mass.
 WRBL † 50 --- Columbus, Ga.
 WWAE * 100 8 Hammond, Ind.
 10-AB -- 25 --- Moose Jaw, Sask.
 10-BP † 15 --- Wingham, Ont.
 10-BQ -- 15 --- Brantford, Ont.

J. W. B. Browne
 Jose Anorga
 Pedro Nogueras
 W. J. Beard's Temple of Music
 Bee Bakersfield Brdcastg Co.
 Marshall Electric Co., Inc.
 St. Louis Truth Center, Inc.
 Jaren Drug Co.
 Voice of South Dakota
 Beehler Elec. Equipment Co.
 City of Fort Morgan
 Ben S. McGlashan
 O. A. Cook
 KGY, Inc.
 Liner's Broadcasting Station, Inc.
 KVOS, Inc.
 Portable Wireless Tel. Co., Inc.
 Pine Tree Broadcasting Corp.
 Samuel D. Reeks
 C. L. Carrell
 The Hutchens Co.
 State School of Mines
 Burlington Daily News
 WCLO Radio Corp.
 Keystone Broadcasting Corp.
 South Bend Tribune
 First Baptist Church
 Post Publishing Co.
 St. John's Catholic Church
 St. Norbert's College
 WIBX, Inc.
 Missouri Broadcasting Corp.
 Kaskaskia Broadcasting Co.
 Commodore Broadcasting, Inc.
 Charles C. Carlson, Jr.
 Lancaster Brdcastg. Service Inc.
 American Broadcasting Corp. of Ky.
 WLBG, Inc.
 John Brownlee Spriggs
 Home Cut Glass & China Co.
 First Congregational Church
 Alfred Frank Kleindienst
 WRBL Radio Station, Inc.
 Hammond-Calumet, Broad. Corp.
 Moose Jaw Radio Assn.
 W. T. Cruickshank
 Thomas Brown, Mgr.

KCYS.
 1200
 MTRS.
 249.9
 DIAL

INDEX BY FREQUENCIES AND DIAL NUMBERS

1210 kilocycles 247.8 meters

CFCO	--	250	8
CFNB	*	50	---
CJOR	*	500	---
CKMC	*	100	8
KDFN	†	100	---
KDLR	†	100	---
KFJI	†	100	---
KFOR	*	100	+
KFVS	*	100	6
KFXM	†	100	9
KGCR	†	100	---
KGNO	*	100	---
KMJ	*	100	---
KPPC	§	50	9
KWEA	*	100	---
WALR	*	100	---
WBAX	*	100	1
WBBL	†	100	7S
WCBS	*	100	2
WCOH	*	100	3
WCRW	*	100	4
WEBQ	*	100	6
WEDC	*	100	4
WGBB	*	100	3
WGCM	*	100	---
WHBF	*	100	---
WHBU	†	100	---
WHBU	*	100	---
WJBI	*	100	3
WJBU	*	100	1
WJBY	*	100	---
WJW	*	100	---
WLCL	*	50	---
WMBG	*	100	7
WMRJ	*	100	3
WOCL	*	50	---
WOMT	*	100	---
WPAW	*	100	5
WPRO	*	100	5
WQDX	*	100	---
WRBQ	†	100	+
WSEC	*	100	4
WSEN	†	100	---
WSIX	*	100	---
WSOC	†	100	---
WTAX	†	100	2
XEX	--	500	---

Western Ontario "Better Radio" Club
James S. Neill & Sons, Ltd.
G. C. Chandler
R. L. MacAdam
Donald Lewis Hathaway
KDRI, Inc.
KFJI Broadcasters, Inc.
Howard A. Shuman
Hirsch Battery & Radio Co.
J. C. & E. W. Lee
Greater Kampeska Radio Corp.
Dodge City Broadcasting Co.
James McClatchy Co.
Pasadena Presbyterian Church
Hello World Broadcasting Corp.
Roy W. Waller
John H. Stenger, Jr.
Grace Covenant Pres. Church
H. L. Dewing & Chas. Messter
Westchester Broadcasting Corp.
Clinton R. White
First Trust & Savings Bank
Emil Denemark, Inc.
Harry H. Carman
Great Southern Land Co., Inc.
Beardsley Specialty Co.
Anderson Broadcasting Corp.
Wm. C. Forrest
Monmouth Broadcasting Co.
Bucknell University
Gadsden Broadcasting Co., Inc.
Mansfield Broadcasting Assn.
Lutheran Assn. of Ithaca
Havens & Martin, Inc.
Peter J. Brinz
A. E. Newton
Francis M. Kadow
Shartenburg & Robinson Co.
Cherry & Webb Broadcasting Co.
Stevens Luke
J. Pat. Scully
World Battery Co., Inc.
Columbus Broadcasting Co.
638 Tire & Vulcanizing Co.
WSOC, Inc.
WTAX, Inc.
Excelsior, Cia Editorial S. A.

1220 kilocycles 245.8 meters

CMBY	--	350	1225
CMCA	*	150	1225
KFKU	*	500	1
KTW	*	1000	---
KWSC	*	1000	+
WCAD	*	500	D
WCAE	*	1000	R
WDAE	*	1000	C
WREN	*	1000	1B

Callejas-Coscolluela
Manuel Cruz
University of Kansas
First Presbyterian Church
State College of Washington
St. Lawrence University
Pittsburgh Sun-Telegraph
Tampa Publishing Co.
Jenny Wren Co.

1230 kilocycles 243.8 meters

KFQD	--	100	---
KGGM	†	250	+
KYA	*	1000	---
WBIS	*	1000	a
WFBM	*	1000	1C
WNAC	*	1000	aC
WPSG	*	500	D
WSBT	†	500	1C
XETQ	--	100	---

Anchorage Radio Club
New Mexico Broadcasting Co.
Pacific Broadcasting Corp.
Shepard Broadcasting Service, Inc.
Indianapolis Power & Light Co.
Shepard Broadcasting Service, Inc.
Pennsylvania State College
South Bend Tribune
Carlos G. Caballero

1240 kilocycles 241.8 meters

CMAB	--	20	1249
KGCU	--	250	3
KLPM	†	250	3
KTAT	†	1000	1
KTFI	†	250	1+
WACO	†	1000	1C
WXYZ	†	1000	C

Francisco Martinez
Mandan Radio Assn.
John B. Cooley
S. A. T. Broadcast Co.
Radio Broadcasting Corp.
Central Texas Broadcasting Co., Inc.
Kunsky-Trendle Broadcasting Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1250 kilocycles 239.9 meters

KFMX	†	1000	2	Northfield, Minn.
KFOX	*	1000	---	Long Beach, Cal.
WAAM	*	1000	1+X	Newark, N. J.
WCAL	*	1000	2	Northfield, Minn.
WDSU	†	1000	C	New Orleans, La.
WGCP	†	250	1	Newark, N. J.
WLB	†	1000	2	St. Paul, Minn.
WODA	†	1000	1	Paterson, N. J.
WRHM	*†	1000	2	Minneapolis, Minn.
XEFA	---	250	---	Mexico City

--	--	--

Carleton College
Nichols & Warinner, Inc.
WAAM, Inc.
St. Olaf College
Jos. H. Uhalt
May Radio Broadcast Corp.
University of Minnesota
Richard E. O'Dea
Minnesota Broadcasting Corp.
Manuel F. Murguia

1260 kilocycles 238.0 meters

KOIL	*	1000	B	Council Bluffs, Iowa
KRGV	*	500	1	Harlingen, Texas
KVOA	†	500	D	Tucson, Arizona
KWWG	*	500	1	Brownsville, Texas
WLWB	*	500	C+	Oil City, Pa.
WTOC	*	500	C	Savannah, Ga.

--	--	--

Mona Motor Oil Co.
KRGV, Inc.
Robert M. Riculfi
Herold Pub. Co.
Radio-Wire Program Corp.
Savannah Broadcasting Co.

1270 kilocycles 236.1 meters

KGCA	†	50	2D	Decorah, Iowa
KOL	†	1000	C	Seattle, Wash.
KVOR	*	1000	C	Colorado Springs, Colo.
KWLC	*	100	2D	Decorah, Iowa
WASH	*	500	1	Grand Rapids, Mich.
WEAT	*	1000	D	Ithaca, N. Y.
WFBR	*	500	R	Baltimore, Md.
WJDX	---	1000	N	Jackson, Miss.
WOOD	†	500	1	Grand Rapids, Mich.

--	--	--

Charles W. Greenley
Seattle Broadcasting Co., Inc.
Reynolds Radio Co., Inc.
Luther College
Kunsky-Trendle Broadcasting Corp.
Cornell University
Baltimore Radio Show, Inc.
Lamar Life Insurance Co.
Kunsky-Trendle Broadcasting Corp.

1280 kilocycles 234.2 meters

CMCU	---	150	1285	Havana, Cuba
CMCW	---	150	1285	Havana, Cuba
KFBB	*	1000	+	Great Falls, Mont.
WCAM	*	500	1	Camden, N. J.
WCAP	*	500	1	Asbury Park, N. J.
WDOD	*	1000	+C	Chattanooga, Tenn.
WIBA	*	500	+N	Madison, Wis.
WOAX	*	500	1	Trenton, N. J.
WRR	---	500	C	Dallas, Texas

--	--	--

Jorge Garcia Serra
Jose Lorenzo
Buttry Broadcast, Inc.
City of Camden
Radio Industries Broadcast Co.
WDOD Broadcasting Corp.
Badger Broadcasting Co.
WOAX, Inc.
City of Dallas

1290 kilocycles 232.4 meters

KDYL	†	1000	C	Salt Lake City
KFUL	---	500	1	Galveston, Texas
KLCN	---	50	D	Blytheville, Ark.
KTSA	†	1000	1+C	San Antonio, Texas
WEBC	*	1000	+N	Superior, Wis.
WJAS	*†	1000	C+	Pittsburgh, Pa.
WNBZ	---	50	D	Saranac Lake, N. Y.

--	--	--

Intermountain Broadcasting Corp.
News Publishing Co.
C. L. Lintzenich
Lone Star Broadcast Co.
Head of Lake Broadcasting Co.
Pittsburgh Radio Supply House
Smith & Mace

KCYS.
1310
MTRS.
228.9
DIAL

1300 kilocycles 230.6 meters

KFAC	*	1000	4	Los Angeles, Cal.
KFH	*	1000	C	Wichita, Kansas
KFJR	*	500	3	Portland, Ore.
KTBR	---	500	3	Portland, Ore.
WBBR	*	1000	1	Brooklyn, N. Y.
WEVD	*	500	1	New York City
WHAP	*	1000	1	New York City
WHAZ	*	500	1	Troy, N. Y.
WIOD	*	1000	N	Miami, Fla.
WQQ	*†	1000	---	Kansas City, Mo.
XEM	†	250	---	Tampico, Tams.

--	--	--

Los Angeles Broadcasting Co.
Radio Station KFH Co.
Ashley C. Dixon—KFJR, Inc.
M. E. Brown
People's Pulpit Association
Debs Memorial Radio Fund, Inc.
Defenders of Truth Society, Inc.
Rensselaer Polytechnic Institute
Isle of Dreams Broadcasting Corp.
Unity School of Christianity
Maria T. de Gutierrez

1310 kilocycles 228.9 meters

KCRJ	†	100	D	Jerome, Arizona
KFBK	†	100	---	Sacramento, Cal.
KFGQ	†	100	7-	Boone, Iowa
KFJY	†	100	7	Ft. Dodge, Iowa
KFPL	†	100	---	Dublin, Texas
KFFM	*	15	---	Greenville, Texas

--	--	--

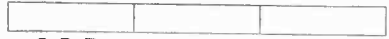
Chas. C. Robinson
Jas. McClatchy Co.
Boone Biblical College
Cedar Rapids Broadcast Co.
C. C. Baxter
The New Furniture Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

KFUP	--	100	8	Denver, Colo.	Fitzsimmons General Hospital
KFXJ	†	100	8	Grand Junction, Colo.	Western Slope Broadcasting Co.
KFXR		100	+	Oklahoma City	Exchange Ave. Baptist Church
KGBX	*	100	--	St. Joseph, Mo.	KGBX, Inc.
KGCX	†	100	+	Wolf Point, Mont.	First State Bank of Vida
KGEZ	†	100	--	Kalispell, Mont.	Donald C. Treloar
KGFW	†	100	--	Kearney, Nebr.	Central Nebraska Broadcasting Corp.
KIT	†	100	--	Yakima, Wash.	Carl E. Haymond
KMED	†	100	--	Medford, Ore.	Mrs. W. J. Virgin
KRMD	†	50	9	Shreveport, La.	Robert M. Dean
KTLC	*	100	--	Houston, Texas	Houston Broadcasting Co.
KTSM	†	100	2	El Paso, Texas	W. S. Bledsoe & W. T. Blackwell
KWCR	†	100	7	Cedar Rapids, Iowa	Cedar Rapids Broadcast Co.
KXRO	†	100	--	Aberdeen, Wash.	KXRO, Inc.
WBEO		100	--	Marquette, Mich.	Lake Superior Broadcasting Co.
WBOW	*	100	--	Terre Haute, Ind.	Banks of Wabash, Inc.
WBRE		100	--	Wilkes-Barre, Pa.	Louis G. Baltimore
WCLS	*	100	1	Joliet, Ill.	WCLS, Inc.
WDAH	†	100	2	El Paso, Texas	Bledsoe & Blackwell
WEBR	*	100	+	Buffalo, N. Y.	Howell Broadcasting Co., Inc.
WEXL	†	50	--	Royal Oak, Mich.	Royal Oak Broadcasting Co.
WFBG	*	100	3X	Altoona, Pa.	Wm. F. Gable Co.
WDFD	*	100	--	Flint, Mich.	Frank D. Fallain
WDFW	†	100	D	Rome, Ga.	Rome Broadcasting Corp.
WGAL	*	100	5	Lancaster, Pa.	WGAL, Inc.
WGH	*	100	--	Newport News, Va.	Hampton Roads Broadcasting Corp
WHAT	†	100	4	Philadelphia, Pa.	Independence Broadcasting Co.
WJAC	*	100	3	Johnstown, Pa.	Johnstown Automobile Co.
WJAK	*	50	6	Elkhart, Ind.	Truth Publishing Co., Inc.
WKAV	*	100	--	Laconia, N. H.	Laconia Radio Club
WKBB	*	100	1	Joliet, Ill.	Sanders Bros. Radio Station
WKBC	*	100	--	Birmingham, Ala.	R. B. Broyles Furniture Co.
WKBS	*	100	--	Galesburg, Ill.	Permil N. Nelson
WLBC	†	50	6	Muncie, Ind.	Donald A. Burton
WMBO	†	100	--	Auburn, N. Y.	WMBO, Inc.
WNBH	*	100	--	New Bedford, Mass.	New Bedford Broadcasting Co.
WOL	*	100	--	Washington, D. C.	American Broadcasting Co.
WRWA	*	100	5X	Reading, Pa.	Reading Broadcasting Co.
WROL	†	100	--	Knoxville, Tenn.	Stewart Broadcasting Co.
WSAJ	*	100	--	Grove City, Pa.	Grove City College
WSJ	*	100	--	Winston-Salem, N. C.	Winston-Salem Journal Co.
WTEL	*	100	4	Philadelphia, Pa.	Foukrold Radio Engineering Co.
WTJS	†	100	+	Jackson, Tenn.	Sun Publishing Co.
WTSL	--	100	9	Laurel, Miss.	G. A. Houseman
XEFB	--	50	1315	Monterrey, N. L.	Quintanilla y Stevenson

1320 kilocycles 227.1 meters

KGHF	†	250	+	Pueblo, Colo.	
KGMB	†	250	C	Honolulu, Hawaii	C. P. Ritchie & J. E. Finch
KID	†	250	+	Idaho Falls, Idaho	Honolulu Broadcasting Co., Ltd.
WADC	†	1000	C	Akron, Ohio	KID Broadcasting Co.
WSMB	*	500	N	New Orleans, La.	Allen T. Simmons
					WSMB, Inc.



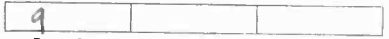
1330 kilocycles 225.4 meters

KGB	*	500	C	San Diego, Cal.	Don Lee, Inc.
KXCSJ	*	1000	1+C	Sioux City, Iowa	Perkins Bros. Co.
WDRAC	*	500	C	Hartford, Conn.	WDRAC, Inc.
WSAI	*	500	R+	Cincinnati, Ohio	Crosley Radio Corp., Lessee
WTAQ	*	1000	1C	Eau Claire, Wis.	Gillette Rubber Co.



1340 kilocycles 223.7 meters

CMCG	--	30	1345	Havana, Cuba	
CMCR	--	150	1345	Havana, Cuba	Jose Justo Moran
CMCY	--	50	1345	Havana, Cuba	Aurelio Hernandez
KFPW	†	50	D	Fort Smith, Ark.	M. D. Autran
KFPY	*	1000	C	Spokane, Wash.	Southwestern Hotel. Co.
WCOA	*	500	--	Pensacola, Fla.	Symons Broadcasting Co.
WSPD	*	1000	C	Toledo, Ohio	Pensacola Broadcasting Co.
					Toledo Broadcasting Co.



1350 kilocycles 222.1 meters

KIDO	†	1000	--	Boise, Idaho	Boise Broadcasting Station
KWK	*	1000	B	St. Louis, Mo.	Greater St. Louis Brdctg Corp.
WAWZ	*	250	1	Zarephath, N. J.	Pillar of Fire
WBNX	--	250	1a	New York City	Standard Cahill Co., Inc.
WCDA	*	250	1	New York City	Italian Educ. Broadcasting Co., Inc.
WEHC	*	500	D	Emory, Va.	Emory & Henry College
WM5G	--	250	1a	New York City	Madison Sq. Garden Brdctg. Corp.



INDEX BY FREQUENCIES AND DIAL NUMBERS

1360 kilocycles 220.4 meters

KGIR	*	1000	---	Long Beach, Cal.
KGIR	†	500	N	Butte Montana
WCSC	*	500	---	Charleston, S. C.
WFBL	*	1000	CX	Syracuse, N. Y.
WGES	*	500	1+	Chicago, Ill.
WJKS	*	1000	1+Z	Gary Ind.
WQBC	†	1000	D	Vicksburg, Miss.
XEG	---	500	---	Mexico, Mex.

--	--	--	--

Consolidated Broadcasting Corp.
 KGIR, Inc.
 Lewis Burk
 Onondaga Radio Broadcasting Corp.
 Oak Leaves Broadcasting Station, Inc.
 Johnson-Kennedy Radio Corp.
 Delta Broadcasting Co., Inc.
 Miguel Yarza

1370 kilocycles 218.7 meters

CMAC	---	30	1375	Pinar del Rio, Cuba
CMGE	---	30	1375	Cardenas, Cuba
CMGH	---	150	---	Matanzas, Cuba
HRB	---	2300	---	Tegucigalpa, Hond.
KCRC	†	100	2+	Enid, Okla.
KFBL	*	50	3	Everett, Wash.
KFJM	†	100	---	Grand Forks, N. D.
KFJZ	*	100	---	Ft. Worth, Texas
KFLX	---	100	---	Galveston, Texas
KGAR	*	100	+	Tucson, Arizona
KGDA	†	100	---	Mitchell, S. D.
KGFG	†	100	2	Oklahoma City
KGFL	†	50	4	Raton, N. M.
KGKL	†	100	---	San Angelo, Texas
KMAC	†	100	5	San Antonio, Texas
KONO	†	100	5	San Antonio, Texas
KOOS	*	100	---	Marshfield, Ore.
KRE	---	100	---	Berkeley, Cal.
KUJ	†	100	---	Walla Walla, Wash.
KVL	---	100	3	Seattle, Wash.
KWKC	---	100	---	Kansas City, Mo.
WBGF	†	50	---	Glens Falls, N. Y.
WBTM	---	100	7	Danville, Va.
WCBM	*	100	+Z	Baltimore, Md.
WDAS	*	100	+	Philadelphia, Pa.
WCL	*	100	C	Fort Wayne, Ind.
WHBD	†	100	---	Mount Orab, Ohio
WHBQ	†	100	---	Memphis, Tenn.
WHDF	†	100	+	Calumet, Mich.
WIBM	†	100	1	Jackson, Mich.
WJBK	---	50	1	Detroit, Mich.
WJL	---	100	---	Atlanta, Ga.
WLEY	---	100	+	Lexington, Mass.
WLVA	---	100	7	Lynchburg, Va.
WMBR	†	100	---	Tampa, Fla.
WPFB	†	100	---	Hattiesburg, Miss.
WQDM	†	100	D	St. Albans, Vt.
WRAC	*	100	---	Williamsport, Pa.
WRAM	*	100	---	Wilmington, N. C.
WRDO	†	100	CP	Augusta, Maine
WRJN	---	100	---	Racine, Wis.
WSVS	*	50	---	Buffalo, N. Y.
---	---	100	4CP	Clovis, N. Mex.

--	--	--	--

Oscar S. Mechoso
 Genaro Sebater
 Alberto Alvarez
 United Fruit Co.
 Enid Radiophone Co.
 Leese Bros.
 University of North Dakota
 Ralph S. Bishop
 George Roy Clough
 Tucson Motor Service Co.
 Mitchell Broadcasting Corp.
 Oklahoma Broadcasting Co., Inc.
 KGFL, Inc.
 KGKL, Inc.
 W. W. McAllister
 Mission Broadcasting Co.
 H. H. Hanseth, Inc.
 First Congregational Church
 KUJ, Inc.
 KVL, Inc.
 Wilson Duncan Broadcasting Co.
 W. N. Parker and H. H. Metcalfe
 Piedmont Broadcasting Corp.
 Baltimore Broadcasting Corp.
 WDAS Broadcasting Station, Inc.
 Fred Z. Zieg
 F. P. Moler
 Broadcasting Station WHBQ, Inc.
 Upper Michigan Broadcasting Co.
 WIBM, Inc.
 James F. Hopkins, Inc.
 Oglethorpe University
 Lexington Air Stations
 Lynchburg Broadcasting Corp.
 F. J. Reynolds
 Hattiesburg Broadcasting Co.
 A. J. St. Antoine
 C. R. Cummins
 Wilmington Radio Association
 WRDO, Inc.
 Racine Broadcasting Corp.
 Seneca Vocational School
 W. E. Whitmore

1380 kilocycles 217.3 meters

CMJC	---	150	1382	Camaguey, Cuba
KOH	†	500	C	Reno, Nevada
KQV	†	500	2	Pittsburgh, Pa.
KSO	*	500	1	Clarinda, Iowa
WKBH	*	1000	1C	La Crosse, Wis.
WSMK	*	200	2	Dayton, Ohio
XETB	---	125	---	Torreón, Coah.

--	--	--	--

Feliciano Isaac
 The Bee, Inc.
 KQV Broadcasting Co.
 Iowa Broadcasting Co.
 WKBH, Inc.
 Stanley M. Krohn, Jr.
 Jose A. Berumen

KCYS.
1400
 MTRS.
214.2
 DIAL

1390 kilocycles 215.7 meters

KLRA	*	1000	1C	Little Rock, Ark.
KOY	*	500	C	Phoenix, Arizona
KUOA	†	1000	1	Fayetteville, Ark.
WHK	*	1000	C	Cleveland, Ohio

--	--	--	--

Arkansas Broadcasting Co.
 Nielson Radio & Sporting Goods Co.
 University of Arkansas
 Radio Air Service Corp.

1400 kilocycles 214.2 meters

CMBI	---	30	1405	Havana, Cuba
CMBN	---	30	1405	Havana, Cuba
CMCH	---	15	1405	Havana, Cuba

--	--	--	--

Francisco Mayorquim
 Arnaldo Romeu
 Hernani Torralbas

INDEX BY FREQUENCIES AND DIAL NUMBERS

CMCM	--	15	1405	Havana, Cuba
KLO	*	500	---	Ogden, Utah
KOCW	*	250	+	Chickasha, Okla.
WBAA	†	500	1+	Lafayette, Ind.
WBBC	*	500	2a	Brooklyn, N. Y.
WCGU	*	500	2a	Brooklyn, N. Y.
WCMA	†	500	1	Culver, Ind.
WFOX	--	500	2	Brooklyn, N. Y.
WKBF	†	500	1	Indianapolis, Ind.
WLTH	*	500	2	Brooklyn, N. Y.
XEP	--	200	---	Laredo, Mexico

Martinez-Madico
 Interstate Broadcasting Corp.
 College for Women
 Purdue University
 Brooklyn Broadcasting Corp.
 U. S. Broadcasting Corp.
 General Broadcasting Corp.
 Paramount Broadcasting Co.
 Indianapolis Broadcasting, Inc.
 The Voice of Brooklyn, Inc.
 La Voz Latino

1410 kilocycles 212.6 meters

KFLV	†	500	4	Rockford, Ill.
KGRS	*	1000	1	Amarillo, Texas
WAAB	*	500	C	Boston, Mass.
WBGM	*	500	C	Bay City, Mich.
WDAG	*	1000	1	Amarillo, Texas
WHBL	*	500	4	Sheboygan, Wis.
WHIS	†	250	2	Bluffield, W. Va.
WODX	*	500	3C	Mobile, Ala.
WRBX	*	250	2	Roanoke, Va.
WSFA	†	500	3C	Montgomery, Ala.

Rockford Broadcasters, Inc.
 Gish Radio Service
 Bay State Broadcasting Corp.
 James E. Davidson
 National Radio & Broadcasting Corp.
 Press Pub. Co.
 Daily Telegraph
 Mobile Broadcasting Corp.
 Richmond Development Corp.
 Montgomery Broadcasting Co., Inc.

1420 kilocycles 211.1 meters

KABC	†	100	---	San Antonio, Texas
KBPS	--	100	4	Portland, Ore.
KFIZ	*	100	---	Fond du Lac, Wis.
KFXD	*	100	---	Nampa, Idaho
KFX Y	--	100	---	Flagstaff, Arizona
KFYO	†	100	+	Abilene, Texas
KGFF	†	100	---	Shawnee, Okla.
KGGC	†	100	5	San Francisco, Cal.
KGIW	†	100	---	Trinidad, Colo.
KGIX	†	100	---	Las Vegas, Nevada
KGKX	†	100	---	Sand Point, Idaho
KGVO	†	100	D	Missoula, Montana
KICK	*	100	---	Red Oak, Iowa
KORE	*	100	---	Eugene, Ore.
KXL	*	100	4	Portland, Ore.
KXYZ	--	100	---	Houston, Texas
WAGM	--	100	CP	Presque Isle, Maine
WDEW	--	50	D	Waterbury, Vt.
WEDH	*	100	---	Erie, Pa.
WEHS	--	100	a	Cicero, Ill.
WELL	†	50	X	Battle Creek, Mich.
WFDW	*	100	---	Anniston, Ala.
WHDL	*	100	D	Tupper Lake, N. Y.
WHFC	--	100	a	Cicero, Ill.
WIAS	†	100	---	Ottumwa, Iowa
WILM	*	100	---	Wilmington, Del.
WJBO	*	100	---	New Orleans, La.
WJMS	--	100	D	Ironwood, Mich.
WKBI	--	100	a	Cicero, Ill.
WLBF	†	100	---	Kansas City, Kansas
WMBC	*	100	---	Detroit, Mich.
WMBH	--	100	+	Joplin, Mo.
WPAD	†	100	+	Paducah, Ky.
WSPA	*	100	+	Spartanburg, S. C.
WTBO	*	100	+	Cumberland, Md.

Alamo Broadcasting Co.
 Benson Polytechnic Institute
 Reporter Printing Co.
 Frank E. Hurt
 Albert H. Scherman
 T. E. Kirksey
 KGFF Broadcasting Co.
 Golden Gate Broadcasting Co.
 Leonard E. Wilson
 Las Vegas, Nevada, Radio Corp.
 W. W. Von Cannon, Trustee
 Mosby's Incorporated
 Red Oak Radio Corp.
 Eugene Broadcasting Station
 KXL Broadcasters, Inc.
 Harris County Broadcast Co.
 Aroostook Broadcasting Corp.
 Harry C. Whitehill
 Erie Dispatch-Herald
 WEHS, Inc.
 Enquirer-News Co.
 Raymond G. Hammett
 Tupper Lake Broadcasting Co. Inc.,
 WHFC, Inc.
 Iowa Broadcasting Co.
 Delaware Broadcasting Co., Inc.
 Delwemar Jensen
 Marius Johnson
 WKBI, Inc.
 WLBF Broadcasting Co.
 Michigan Broadcasting Co., Inc.
 Edwin Dudley Aber
 Paducah Broadcasting Co.
 Voice of South Carolina
 Associated Broadcasting Corp.

1430 kilocycles 209.7 meters

KECA	†	1000	N	Los Angeles, Cal.
KGNF	†	500	D	North Platte, Nebr.
WBAK	†	500	1+	Harrisburg, Pa.
WCAH	*	500	C□	Columbus, Ohio
WFEA	--	500	CP	Manchester, N. H.
WHEC	*	500	C□	Rochester, N. Y.
WHP	*	500	1C+□	Harrisburg, Pa.
WNBR	*	500	---	Memphis, Tenn.
WOKO	†	500	C□	Albany, N. Y.

Earle C. Anthony, Inc.
 Great Plains Broadcasting Co.
 Penna. State Police
 Commercial Radio Service Co.
 New Hampshire Broadcasting Co.
 WHEC, Inc.
 WHP, The Harrisburg Telegraph
 Memphis Broadcasting Co.
 WOKO, Inc.

1440 kilocycles 208.2 meters

KLS	*	250	D	Oakland, Cal.
WBIG	*	500	C	Greensboro, N. C.

Warner Bros.
 North Carolina Broadcasting Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

WCBA	*	250	a	Allentown, Pa.	B. B. Musselman
WMBD	*	500	3+C	Peoria Heights, Ill.	Peoria Broadcasting Co.
WSAN	*	250	a	Allentown, Pa.	Allentown Call Publishing Co., Inc.
WTAD	†	500	3	Quincy, Ill.	Illinois Broadcasting Corp.

1450 kilocycles 206.8 meters

KTBS	*	1000		Shreveport, La.	Tri-State Broadcasting System, Inc.
WBMS	†	250	1	Hackensack, N. J.	WBMS Broadcasting Corp.
WGAR	*	500	B	Cleveland, Ohio	WGAR Broadcasting Co.
WHOM	*	500	1	Jersey City, N. J.	New Jersey Broadcasting Corp.
WNJ	*	250	1	Newark, N. J.	Radio Investment Co.
WSAR	*	250		Fall River, Mass.	Doughty & Welch Electric Co., Inc.
WTFI	--	500		Athens, Ga.	Toccoa Falls Broadcasting Co.

1460 kilocycles 205.4 meters

KSTP	*	10000	N	St. Paul, Minn.	National Battery Broadcasting Co.
WJSV	*	10000		Alexandria, Va.	WJSV, Inc.

1470 kilocycles 204.0 meters

KGa	†	5000	B	Spokane, Wash.	Northwest Broadcasting System, Inc.
WLAC	*	5000	C	Nashville, Tenn.	Life & Casualty Insurance Co.

1480 kilocycles 202.6 meters

KFJF	*	5000	C	Oklahoma City	National Radio Mfg. Co.
WKBW	*	5000	C	Buffalo, N. Y.	Buffalo Broadcasting Co., Lessees

1490 kilocycles 201.2 meters

WCHI	*	5000	1	Chicago, Ill.	Midland Broadcasting Company
WCKY	*	5000	1N	Covington, Ky.	L. B. Wilson, Inc.

1500 kilocycles 199.9 meters

CMBL	--	20		Havana, Cuba	Julio C. Hidalgo
CMBQ	--	50		Havana, Cuba	Gali-Sardinas
CMBR	--	15		Havana, Cuba	Tomas Basail
KCMC	--	100	Y	Texarkana, Ark.	North Mississippi Brdcstg. Corp.
KDB	*	100		Santa Barbara, Cal.	Santa Barbara Broadcasters, Ltd.
KGFI	*	100	+	Corpus Christi, Texas	Eagle Broadcasting Co., Inc.
KGFK	†	50		Moorhead, Minn.	Red River Broadcasting Co., Inc.
KGIZ	†	100		Grant City, Mo.	Grant City Park Corp.
KGKB	--	100		Tyler, Texas	East Texas Brdcstg. Co.
KGKY	--	100		Scottsbluff, Nebr.	Hilliard Co., Inc.
KPJM	*	100		Prescott, Arizona	A. P. Miller
KPO	†	50		Wenatchee, Wash.	Wescoast Broadcasting Co.
KREG	†	100		Santa Ana, Cal.	J. S. Edwards
KUT	†	100		Austin, Texas	KUT Broadcasting Co.
KXO	*	100		El Centro, Cal.	E. R. Irey and F. M. Bowles
WKBV	*	100	+	Connersville, Ind.	Knox Battery & Electric Co.
WKBZ	†	50		Ludington, Mich.	K. L. Ashbacher
WLBX	*	100	1	Long Island City, N. Y.	John N. Brahy
WLOE	*	100	+	Boston, Mass.	Boston Broadcasting Co.
WMBa	†	100		Newport, R. I.	LeRoy Joseph Beebe
WMBQ	*	100	1	Brooklyn, N. Y.	Paul J. Gollhofer
WMIL	†	100	1	Brooklyn, N. Y.	Arthur Faske
WMPC	†	100		Lapeer, Mich.	First M. P. Church
WNBF	*	100		Binghamton, N. Y.	Howitt, Wood Radio Co., Inc.
WOPI	*	100		Bristol, Tenn.	Radiophone Brdcstg. Station, Inc.
WPEN	*	100	+	Philadelphia, Pa.	Wm. Penn Broadcasting Co.
WRDw	*	100		Augusta, Ga.	Musivoc, Inc.
WSYB	†	100		Rutland, Vt.	Philip Weiss Music Co.
WWRL	*	100	1	Woodside, N. Y.	Long Island Broadcasting Corp.
WWSW	*	100		Pittsburgh, Pa.	Walker & Downing Radio Corp.
XETZ	--	100		Coyoacan, D. F.	Manuel Zetina

KCYS.
1500
MTRS.
199.9
DIAL

INDEX BY LOCATIONS WITH MAP KEY

Columbia: C. National: Red, R; Blue, B; Both, N.

ALABAMA

	Watts		Kcys.
Anniston O-22	100	WFDW	1420
Birmingham O-21	5000	WAPI N	1140
	500	WBRC C	930
	100	WKBC	1310
Gadsden O-21	100	WBYJ	1210
Huntsville N-21	50	WBHS	1200
Mobile Q-20	500	WODX C	1410
Montgomery P-21	500	WSFA C	1410

ALASKA

Anchorage	100	KFOD	1230
Ketchikan	500	KGBU	900

ARIZONA

Flagstaff M-7	100	KFXV	1420
Jerome M-6	100	KCRJ	1310
Phoenix N-6	500	KOY C	1390
	500	KTAR N	620
Prescott M-6	100	KPJM	1500
Tucson O-7	100	KGAR	1370
	500	KVOA	1260

ARKANSAS

Blytheville M-19	50	KLCN	1290
Fayetteville M-16	1000	KUOA	1390
Fort Smith N-16	50	KFPW	1340
Hot Springs N-17	10000	KTHS N	1040
Little Rock N-17	250	KARK	890
	100	KGHI	1200
	1000	KLRA C	1390
Paragould M-18	100	KBTM	1200
Texarkana O-17	100	KCMC	1500

CALIFORNIA

Bakersfield L-3	100	KERN	1200
Berkeley J-2	100	KRE	1370
Beverly Hills M-3	500	KMPC	710
Burbank M-3	500	KELW	780
Culver City M-3	250	KFLV	1000
El Centro N-4	100	KXO	1500
Fresno K-2	100	KMJ	1210
Hollywood M-3	1000	KFWB	950
	500	KMTR	570
	5000	KNX	1050
Long Beach M-3	1000	KFOX	1250
	1000	KGER	1360
Los Angeles M-3	1000	KECA N	1430
	1000	KFAC	1300
	5000	KFI N	640
	500	KFSG	1120
	100	KGfJ	1200
	1000	KHJ C	900
	500	KRKD	1120
	500	KTM	780
Oakland J-1	250	KLS	1440
	500	KLX	880
	500	KROW	930
Pasadena M-3	50	KPPC	1210
Sacramento J-2	100	KFBK	1310
San Bernardino M-3	100	KFXM	1210
San Diego N-3	500	KFSD N	600
	500	KGB C	1330
San Francisco J-1	1000	KFRC C	610
	500	KFWI	930
	100	KGGC	1420
	7500	KGO N	790
	100	KJBS	1070
	5000	KPO N	680
	1000	KTAB	560
	1000	KYA	1230

San Jose J-1	500	KQW	1010
Santa Ana M-3	100	KREG	1500
Santa Barbara M-2	100	KDB	1500
Stockton J-2	250	KGDM	1100
	100	KWG	1200

COLORADO

Colorado Springs K-11	1000	KVOR C	1270
Denver K-11	500	KFEL	920
	100	KFUP	1310
	500	KFXF	920
	1000	KLZ C	560
	12500	KOA N	830
	500	KPOF	880
Fort Morgan J-11	100	KGEW	1200
Grand Junction K-9	100	KFXJ	1310
Greeley J-11	500	KFKA	880
Pueblo L-11	250	KGHF	1320
Trinidad L-11	100	KGIV	1420
Yuma J-12	100	KGEG	1200

CONNECTICUT

Bridgeport H-27	250	WICC	600
Hartford H-27	500	WDRC C	1330
	5000	WTIC R	1060
Storrs H-28	250	WCAC	600

DELAWARE

Wilmington J-26	250	WDEL	1120
	100	WILM	1420

DISTRICT OF COLUMBIA

Washington J-26	250	WMAL C	630
	500	WRC N	950
	100	WOL	1310

FLORIDA

Clearwater R-24	1000	WFLA N	620
Gainesville Q-24	5000	WRUF	830
Jacksonville Q-24	1000	WJAX N	900
Miami T-25	1000	WIOD N	1390
	1000	WQAM C	560
Orlando R-24	500	WDBO C	1120
Pensacola Q-21	500	WCOA	1340
St. Petersburg S-24	1000	WSUN N	620
Tampa R-24	1000	WDAE C	1220
	100	WMBR	1370

GEORGIA

Athens O-23	500	WTFI	1450
Atlanta O-22	250	WGST C	890
	100	WJTL	1370
	5000	WSB N	740
Augusta O-23	100	WRDW	1500
Columbus O-22	50	WRBL	1200
Macon O-23	500	WMAZ	1180
Rome N-22	100	WFDV	1310
Savannah O-24	500	WTOC C	1260
Thomasville Q-22	100	WQDX	1210

HAWAII

Honolulu	250	KGMB C	1320
	1000	KGU R	940

IDAHO

Boise G-5	1000	KIDO	1350
Idaho Falls G-7	250	KID	1320
Nampa G-5	100	KFXD	1420
Pocatello H-7	250	KSEI	900
Sand Point D-6	100	KGKX	1420
Twin Falls H-6	250	KTFI	1240

INDEX BY LOCATIONS WITH MAP KEY

Columbia: C. National: Red, R; Blue, B; Both, N.

Location	Watts	Keys	Call Letters	Frequency	Type
ILLINOIS					
Carthage J-18	50	WCAZ	1070		
Chicago I-20	10000	KFKX	1020		
	10000	KYW	1020	N	
	500	WAAF	920		
	25000	WBBM	770	C	
	1500	WCFL	970	R	
	5000	WCHI	1490		
	100	WCRW	1210		
	100	WEDC	1210		
	50000	WENR	870	N	
	500	WGES	1360		
	25000	WGN	720	C	
	1000	WIBO	560		
	50000	WLS	870	B	
	5000	WMAQ	670	N	
	5000	WMBI	1080		
	500	WPCC	560		
	100	WSBC	1210		
Cicero I-20	100	WEHS	1420		
	100	WHFC	1420		
	100	WKBI	1420		
	100	WJBL	1200		
Decatur K-19	100	WKBS	1310		
Galesburg J-18	100	WEBQ	1210		
Harrisburg L-19	100	WCLS	1310		
Joliet I-19	100	WKBB	1310		
	100	WJBC	1200		
La Salle J-19	100	WJJD	1130		
Mooseheart I-19	20000	WMBD	1440	C	
Peoria Heights J-19	500	WTAD	1440		
Quincy K-18	500	KFLV	1410		
Rockford I-19	500	WHBF	1210		
Rock Island I-18	100	WCBS	1210		
Springfield K-19	100	WTAX	1210		
	100	WDZ	1070		
Tuscola K-20	100	WILL	890		
Urbana J-20	250	WCBD	1080		
Zion I-20	5000				
INDIANA					
Anderson J-21	100	WHBU	1210		
Connerville K-21	100	WKBV	1500		
Culver I-20	500	WCMA	1400		
Elkhart I-21	50	WJAK	1310		
Evansville L-20	500	WGBF	630		
Fort Wayne J-21	100	WGL	1370	C	
	10000	WOWO	1160	C	
Gary I-20	1000	WJKS	1360		
Hammond I-20	100	WWAE	1200		
Indianapolis J-21	1000	WFMB	1230	C	
	500	WKBF	1400		
Lafayette J-20	500	WBAA	1400		
Muncie J-21	50	WLBC	1310		
South Bend I-20	100	WFAM	1200		
	500	WSBT	1230	C	
Terre Haute K-20	100	WBOW	1310		
IOWA					
Ames I-17	5000	WOI	640		
Boone I-17	100	KFGQ	1310		
Cedar Rapids I-18	100	KWCR	1310		
Clarinda J-16	500	KSO	1380		
Davenport Bluffs J-16	1000	KOIL	B 1260		
Davenport I-18	5000	WOC	N 1000		
Decorah H-18	50	KGCA	1270		
	100	KWLC	1270		
Des Moines I-17	5000	WHO	N 1000		
Fort Dodge I-16	100	KFJY	1310		
Iowa City I-18	500	WSUI	880		
Marshalltown I-17	100	KFJB	1200		
Ottumwa J-17	100	WIAS	1420		
Red Oak J-16	100	KICK	1420		
Shenandoah J-16	500	KFNF	890		
	500	KMA	930		
Sioux City I-15	1000	KSCJ	C 1330		
Waterloo I-17	500	WMT	C 600		
KANSAS					
Dodge City L-13	100	KGNO	1210		
Kansas City K-16	100	WLFV	1420		
	500	KFKU	1220		
	1000	WREN	1220		
Manhattan K-15	500	KSAC	580		
Milford K-14	5000	KFBI	1050		
Topeka K-16	1000	WIBW	C 580		
Wichita L-15	1000	KFH	C 1300		
KENTUCKY					
Covington K-22	5000	WCKY	N 1490		
Hopkinsville M-20	1000	WFIW	C 940		
Louisville L-21	10000	WHAS	N 820		
	250	WLAP	C 1200		
Paducah M-19	100	WPAD	1420		
LOUISIANA					
Monroe P-18	100	KMLB	1200		
New Orleans R-19	100	WABZ	1200		
	1000	WDSU	C 1250		
	100	WJBO	1420		
	100	WJW	1200		
	500	WSMB	N 1320		
	10000	WWL	850		
Shreveport P-17	50	KRMD	1310		
	1000	KTBS	1450		
	100	KWEA	1210		
	10000	KWKH	850		
MAINE					
Augusta F-28	100	WRDO	1370		
Bangor F-29	100	WABI	1200		
	500	WLBZ	C 620		
Portland F-28	1000	WCSH	R 940		
Presque Isle D-29	100	WAGM	1420		
MARYLAND					
Baltimore J-26	10000	WBAL	B 1060		
	250	WCAO	C 600		
	100	WCBM	1370		
	500	WFBZ	R 1270		
Cumberland J-25	100	WTBO	1420		
MASSACHUSETTS					
Boston G-28	500	WAAB	C 1410		
	1000	WBIS	1230		
	25000	WBZ	B 990		
	1000	WEEI	R 590		
	1000	WHDH	830		
	100	WLOE	1500		
	1000	WNAE	C 1230		
Fall River H-28	250	WSAR	1450		
Lexington G-28	100	WLEY	1370		
Needham G-28	500	WBSO	920		
New Bedford H-28	100	WNBH	1310		
Springfield H-27	1000	WBZA	B 990		
Worcester G-28	100	WORC	C 1200		
	250	WTAG	R 580		
MICHIGAN					
Battle Creek I-21	50	WELL	1420		
Bay City H-22	500	WBCM	C 1410		
Calumet E-19	100	WHDF	1370		
Detroit H-22	50	WJBK	1370		
	10000	WJR	B 750		
	100	WMBC	1420		

INDEX BY LOCATIONS WITH MAP KEY

Columbia: C. National: Red, R; Blue, B; Both, N.

Detroit H-22	1000	WWJ	R	920
	1000	WXYZ	C	1240
East Lansing H-21	1000	WKAR		1040
Flint H-22	100	WFDF		1310
Grand Rapids H-21	500	WASH		1270
	500	WOOD		1270
Ironwood F-18	100	WJMS		1420
Jackson I-21	100	WIBM		1370
Kalamazoo I-21	1000	WKZO		590
Lapeer H-22	100	WMPC		1500
Ludington H-20	50	WKBZ		1500
Marquette F-19	100	WBEO		1310
Royal Oak H-22	50	WEXL		1310
MINNESOTA				
Fergus Falls F-15	100	KGDE		1200
Minneapolis G-17	5000	WCCO	C	810
	1000	WDGY		1180
	1000	WRHM		1250
Moorhead F-15	50	KGFK		1500
Northfield G-17	1000	KFMX		1250
	1000	WCAL		1250
St. Paul G-17	1000	WLB		1250
	10000	KSTP	N	1460
MISSISSIPPI				
Greenville O-18	100	WRBQ		1210
Gulfport Q-19	100	WGCM		1210
Hattiesburg Q-19	100	WPFX		1370
Jackson P-19	1000	WJDX	N	1270
Laurel P-20	100	WTSL		1310
Meridian P-20	500	WCOC		880
Vicksburg P-18	500	WQBC		1360
MISSOURI				
Cp. Girardeau L-19	100	KFVS		1210
Columbia K-17	500	KFRU		630
Grant City J-16	100	KGIZ		1500
Jefferson City L-17	500	WOS		630
Joplin M-16	1000	WMBH		1420
Kansas City K-16	1000	KMBC	C	950
	1000	KWKC		1370
	1000	WDAF	N	610
	500	WHB		860
	1000	WOQ		1300
St. Joseph K-16	2500	KFEQ		680
	100	KGBX		1310
St. Louis L-18	500	KFUO		550
	100	KFWF		1200
	5000	KMOX	C	1090
	500	KSD	R	550
	1000	KWK	B	1350
	1000	WEW		760
	100	WIL		1200
MONTANA				
Billings F-9	1000	KGHL	N	950
Butte F-7	500	KGIR	N	1360
Great Falls E-8	1000	KFBB		1280
Kalispell D-7	100	KGEZ		1310
Missoula E-7	100	KGVO		1420
Wolf Point E-11	100	KGCX		1310
NEBRASKA				
Clay Center J-14	1000	KMMJ		740
Kearney J-14	100	KGFV		1310
Lincoln J-15	5000	KFAB	C	770
	100	KFOR		1210
	500	WCAJ		590
Norfolk I-15	1000	WJAG		1060
North Platte J-13	500	KGNF		1430
Omaha J-15	500	WAAW		660
	1000	WOW	N	590
Scottsbluff I-11	100	KGKY		1500
York J-15	500	KGBZ		930

NEVADA				
Las Vegas L-5	100	KGIX		1420
Reno I-3	500	KOH	C	1380
NEW HAMPSHIRE				
Laconia G-28	100	WKAV		1310
Manchester G-28	500	WFEA		1430
NEW JERSEY				
Asbury Park I-27	500	WCAP		1280
Atlantic City J-27	5000	WPG	C	1100
Camden I-26	500	WCAM		1280
Hackensack I-27	250	WBMS		1450
Jersey City I-27	300	WAAT		940
	500	WHOM		1450
Newark I-27	1000	WAAM		1250
	250	WGCP		1250
	250	WNJ		1450
	5000	WOR		710
Paterson I-27	1000	WODA		1250
Red Bank I-27	100	WJBI		1210
Trenton I-26	500	WOAX		1280
Zarephath I-27	250	WAWZ		1350
NEW MEXICO				
Albuquerque N-7	250	KGGM		1230
Clovis N-11	100			1370
Raton M-11	50	KGFL		1370
State College P-9	20000	KOB		1180
NEW YORK				
Albany H-27	500	WOKO	C	1430
Auburn H-25	100	WMBO		1310
Binghamton H-26	100	WNBF		1500
Brooklyn I-27	500	WBBC		1400
	1000	WBRR		1300
	500	WCGU		1400
	500	WFOX		1400
	500	WLTH		1400
	100	WMBQ		1500
	100	WMIL		1500
Buffalo H-24	1000	WBEN	R	900
	100	WEBR		1310
	1000	WGR	C	550
	5000	WKBW	C	1480
	50	WSVS		1370
Canton F-26	500	WCAD		1220
Freeport I-27	100	WGBB		1210
Glens Falls G-27	50	WBGF		1370
Ithaca H-25	1000	WEAI		1270
	50	WLCI		1210
	100	WMRJ		1210
Jamestown H-24	50	WOCL		1210
Long Island City I-27	100	WLBX		1500
New York City I-27	50000	WABC	C	860
	250	WBXN		1350
	50000	WBOQ		860
	250	WCDA		1350
	50000	WEAF	R	660
	500	WEVD		1300
	500	WINS		1180
	1000	WHAP		1300
	250	WHN		1010
	30000	WJZ	B	760
	5000	WLWL		1100
	500	WMCA		570
	250	WMSG		1350
	500	WNYC		570
	1000	WOV		1130
	250	WPAP		1010
	500	WPCB		810
	250	WQAO		1010
	250	WRNY		1010

INDEX BY LOCATIONS WITH MAP KEY

Columbia: C. National: Red, R; Blue, B; Both, N.

Rochester G-25	5000	WHAM	B	1150
	500	WHEC	C	1430
Saranac Lake F-26	50	WNBZ		1290
Schenectady G-27	50000	WGY	R	790
Syracuse G-25	1000	WFBL	C	1360
	250	WMAC		570
	250	WSYR		570
Troy G-27	500	WHAZ		1300
Tupper Lake F-26	100	WHDL		1420
Utica G-26	100	WIBX		1200
Woodside I-27	100	WWRL		1500
Yonkers I-27	100	WCOH		1210

NORTH CAROLINA

Asheville M-23	1000	WWNC	N	570
Charlotte M-24	5000	WBT	C	1080
Gastonia M-24	100	WSOC		1210
Greensboro M-24	500	WBIG	C	1440
Raleigh M-25	1000	WPTF	N	680
Wilmington N-26	100	WRAM		1370
Winston-Salem M-24	100	WSJS		1310

NORTH DAKOTA

Bismarck F 13	1000	KFYR	N	550
Devils Lake E-14	100	KDLR		1210
Fargo F-15	1000	WDAY	N	940
Grand Forks E-15	100	KEJM		1370
Mandan F-13	250	KGCU		1240
Minot E-13	250	KLPM		1240

OHIO

Akron I-23	1000	WADC	C	1320
Canton I-23	10	WHBC		1200
Cincinnati K-22	100	WBFB		1200
	1000	WKRC	C	550
	5000	WLW	B	700
Cleveland I-23	500	WSAI	R	1330
	500	WGAR	B	1450
	1000	WHK	C	1390
	500	WTAY		610
	5000	WTAM	R	1070
Columbus J-22	500	WTAU	C	640
	500	WCAH	C	1430
	750	WEAO		570
	100	WSEN		1210
Dayton J-22	200	WSMK		1380
Mansfield J-22	100	WJW		1210
Mount Orab K-22	100	WHBD		1370
Toledo I-22	1000	WSPD	C	1340
Youngstown I-23	500	WKBN	C	570
Zanesville J-23	100	WALR		1210

OKLAHOMA

Chickasha N-14	250	KOCW		1400
Enid M-14	100	KCRC		1370
Norman N-15	500	WNAD		1010
Oklahoma N-15	5000	KFJF	C	1480
	100	KFXR		1310
	100	KGFG		1370
	1000	WKY	N	900
Ponca City M-15	100	WBBZ		1200
S. Coffeyville M-15	500	KGGF		1010
Shawnee N-15	100	KGFF		1420
Tulsa M-15	5000	KVOO	N	1140

OREGON

Corvallis E-2	1000	KOAC		550
Eugene F-2	100	KORE		1420
Klamath Falls G-3	100	KFJI		1210
Marshfield F-1	100	KOOS		1370
Medford G-2	100	KMED		1310

Portland E-3	5000	KEX	R	1180
	100	KBPS		1420
	500	KFJR		1390
	1000	KGW	N	620
	1000	KOIN	C	940
	500	KTBR		1300
	500	KWJJ		1060
	100	KXL		1420

PENNSYLVANIA

Allentown I-26	250	WCBA		1440
	250	WSAN		1440
Altoona I-25	100	WFBG		1310
Carbondale H-26	10	WNBW		1200
Elkins Park I-26	25	WIBG		930
Erie H-24	100	WEDH		1420
Grove City I-24	100	WSAJ		1310
Harrisburg I-25	500	WBAK		1430
	100	WCOB		1200
	500	WHP	C	1430
Jeannette J-24	50	WGM		830
Johnstown J-24	100	WJAC		1310
Lancaster I-26	100	WGAL		1310
	100	WKJC		1200
Lewisburg I-26	100	WJBU		1210
Oil City I-24	500	WLBW	C	1260
Philadelphia I-26	10000	WCAU	C	1170
	100	WDAS		1370
	500	WFAN	C	610
	500	WFI	R	560
	100	WHAT		1310
	500	WIP	C	610
	500	WLIT	R	560
	100	WPEN		1500
	250	WRAX		1020
	100	WTEL		1310
Pittsburgh J-24	50000	KDKA	B	980
	500	KQV		1380
	1000	WCAE	R	1220
	1000	WJAS	C	1290
	100	WWSW		1500
Reading I-26	1000	WBEU		830
	100	WRAW		1310
Scranton H-26	250	WGBI		880
	250	WQAN		880
State College I-25	500	WPSC		1230
Washington J-24	100	WNBO		1200
Wilkes-Barre I-26	100	WBAX		1210
	100	WBRE		1310
Williamsport I-25	100	WRAK		1370
York J-26	1000	WGEO		1000

PHILIPPINES

Cebu	500	KZRC		937.5
Manila	1000	KZKA		1110
	1000	KZRM		618.5

PORTO RICO

San Juan W-34	250	WKAQ		890
---------------	-----	------	--	-----

RHODE ISLAND

Newport H-28	100	WMBA		1500
Pawtucket H-28	100	WPAW		1210
Providence H-28	250	WEAN	C	780
	500	WJAR	R	890
	100	WPRO		1210

SOUTH CAROLINA

Charleston O-25	500	WCSC		1360
Columbia N-24	500	WIS	N	1010
Spartanburg N-23	100	WSPA		1420

INDEX BY LOCATIONS WITH MAP KEY

Columbia: C. National: Red, R; Blue, B; Both, N.

SOUTH DAKOTA				VIRGINIA			
	Watts		Keys.		Watts		Keys.
Brookings H-15	500	KFDY	550	Alexandria K-26	10000	WJSV	1460
Huron H-14	100	KGDY	1200	Arlington J-25	1000	NAA	690
Mitchell H-14	100	KGDA	1370	Danville L-25	100	WBTM	1370
Pierre G-13	200	KGFX	580	Emory L-23	500	WEHC	1350
Rapid City H-12	100	WCAT	1200	Lynchburg L-25	100	WLVA	1370
Sioux Falls H-15	2500	KSOO	1110	Newport News L-26	100	WGH	1310
Vermillion I-15	500	KUSD	890	Norfolk L-26	500	WPOR	780
Watertown G-15	100	KGCR	1210	Petersburg L-26	500	WTAR C	780
Yankton I-15	1000	WNAX C	570	Richmond K-26	100	WLBG	1200
					100	WBBL	1210
					100	WMBG	1210
TENNESSEE					5000	WRVA N	1110
Bristol L-23	100	WOPI	1500		250	WDBJ C	930
Chattanooga N-21	1000	WDOD C	1280	Roanoke L-24	250	WRBX C	1410
Jackson N-20	100	WTJS	1310				
Knoxville M-22	50	WFBC	1200	WASHINGTON			
	1000	WNOX C	560	Aberdeen D-2	100	KXRO	1310
	100	WROL	1310	Bellingham C-3	100	KVOS	1200
Memphis N-19	100	WHBQ	1370	Everett C-3	50	KBFL	1370
	500	WMC N	780	Olympia D-3	100	KGY	1200
	500	WNBR	1430	Pullman E-5	1000	KWSC	1220
	500	WREC C	600	Seattle C-3	5000	KJR R	970
Nashville M-21	5000	WLAC C	1470		1000	KOL C	1270
	5000	WSM N	650		1000	KOMO N	920
Springfield M-20	100	WSIX	1210		100	KPCB	650
					50	KRSC	1120
					1000	KTW	1220
TEXAS					100	KVL	1370
Abilene P-13	100	KFYO	1420		500	KXA	570
Amarillo N-12	1000	KGRS	1420	Spokane D-5	100	KFIO	1120
	1000	WDAG	1410		1000	KFPY C	1340
Austin Q-14	100	KUT	1500		5000	KGA R	1470
Beaumont R-17	500	KFDM	560	Tacoma D-3	500	KMO	860
Brownsville U-15	500	KWWG	1260		1000	KVI C	760
College Sta. Q-15	500	WTAW	1120	Walla Walla E-5	100	KUJ	1370
Corpus Christi S-14	100	KGFI	1500	Wenatchee D-4	50	KPQ	1500
Dallas P-15	10000	KRLD C	1040	Yakima D-4	100	KIT	1310
	5000	WFAA N	800				
	500	WRR C	1280	WEST VIRGINIA			
Dublin P-14	100	KFPL	1310	Bluefield L-24	250	WHIS	1410
El Paso P-9	100	KTSM	1310	Charleston K-23	250	WOBU	580
	100	WDAH	1310	Fairmont J-24	250	WMMN	890
Fort Worth P-15	100	KFJZ	1370	Huntington K-23	250	WSAZ	580
	1000	KTAT	1240	Wheeling J-24	5000	WWVA C	1160
	10000	WBAP N	800				
Galveston R-16	100	KFLX	1370	WISCONSIN			
	500	KFUL	1290	Eau Claire G-18	1000	WTAQ C	1330
	15	KFPM	1310	Ellis G-19	2000	WLBL	900
Greenville O-15	500	KRGV	1260	Fond du Lac H-19	100	KFIZ	1420
Harlingen T-14	1000	KPRC N	920	Green Bay G-19	100	WHBY	1200
Houston R-16	100	KTLC	1310	Janesville I-19	100	WCLO	1200
	500	KTRH C	1120	La Crosse H-18	1000	WKBH C	1380
	100	KXYZ	1420	Madison H-19	750	WHA	940
San Angelo Q-13	100	KGKL	1370		500	WIBA N	1280
San Antonio R-14	100	KABC	1420	Manitowoc H-20	100	WOMT	1210
	100	KMAC	1370	Milwaukee H-19	250	WHAD	1120
	1000	KONO C	1370		250	WISN C	1120
	50000	KTSA C	1290		1000	WTMJ N	620
	100	WOAI N	1190	Poynette H-19	100	WIBU	1210
Tyler P-16	100	KGKB	1500	Racine I-20	100	WRJN	1370
Waco Q-15	1000	WACO C	1240	Sheboygan H-20	500	WHBL	1410
Wichita Falls O-14	250	KGKO	570	Superior F-17	1000	WEBC N	1290
UTAH							
Ogden I-7	500	KLO	1400	WYOMING			
Salt Lake City I-7	1000	KDYL C	1290	Casper H-10	100	KDFN	1210
	5000	KSL N	1130				
				CANADA			
VERMONT							
Burlington F-27	100	WCAX	1200	ALBERTA			
Rutland G-27	100	WSYB	1500	Calgary B-7	500	CFAC	690
St. Albans F-27	100	WQDM	1370		10000	CFCN	985
Springfield G-27	10	WNBX	1200		500	CJCN	690
Waterbury F-27	50	WDEV	1420				

INDEX BY LOCATIONS WITH MAP KEY

Columbia: C. National: Red, R; Blue, B; Both, N.

Edmonton A-8	250	CHMA	580
	500	CJCA	745
	500	CKUA	580
Lethbridge C-8	100	CJOC	1120
Red Deer A-8	1000	CKLC	840
	1000	CNRD	840

BRITISH COLUMBIA

Chilliwack B-3	100	CHWK	665
Kamloops B-5	100	CFJC	1120
Kelowna C-5	100	CKOV	1200
Trail C-6	25	10-AT	1155
Vancouver B-3	100	CHLS	730
	500	CJOR	1210
	100	CKCD	730
	50	CKFC	730
	100	CKMO	730
	100	CKWX	730
	500	CNRV	1030
	50	CFCT	630

VICTORIA C-3 MANITOBA

Brandon D-14	500	CKX	540
Winnipeg D-15	5000	CKY	780
	5000	CNRW	780

NEW BRUNSWICK

Fredericton D-29	50	CFNB	1210
Moncton D-30	500	CNRA	630
St. John D-30	500	CFBO	890

NOVA SCOTIA

Glace Bay C-32	2000	VAS	685
Halifax E-31	500	CHNS	815
	500	CNRH	815
Sydney C-32	50	CJCB	880
Wolfville D-31	50	CKIC	1010

ONTARIO

Brantford H-23	15	10-BQ	1200
Chatham H-22	250	CFCO	1210
Cobalt E-23	100	CKMC	1210
Ft. William E-19	50	CKPR	890
Hamilton H-24	50	CHML	880
	500	CKOC	635
Kingston G-25	50	CFRC	930
London H-23	5000	CJGC	910
	1000	CNRL	910
North Bay E-23	100	CFCH	930
Ottawa F-25	100	CKCO	890
	500	CNRO	600
Prescott F-25	100	CFLC	915
Preston H-23	100	CKPC	880
St. Catharines H-24	500	CKTB	635
Toronto G-24	500	CFCA	1120
	500	CFCL	580
	4000	CFRB C	690
	500	CKCL	580
	5000	CKGW N	840
	500	CNKC	960
	500	CNRT	1120
	4000	CNRX	690
	5000	CPRY	840
Waterloo G-23	100	CKCR	645
Windsor H-22	500		630
Wingham G-23	15	10-BP	1200

PRINCE EDWARD ISLAND

Charlottetown C-31	500	CFCY	580
	100	CHCK	960
Summerside C-31	100	CHGS	1120

QUEBEC

Montreal E-26	500	CFCF N	1030
	5000	CHYC	730
	5000	CKAC C	730
	5000	CNRM	730

		Watt	Keys.
Quebec D-27	100	CHRC	645
	100	CKCI	645
	50	CKCV	880
	50	CNRQ	880

SASKATCHEWAN

Fleming C-13	1000	CJRW	665
Moose Jaw C-11	500	CJRM	665
	25	10-AB	1200
Regina C-12	500	CHWC	960
	500	CJBR	960
	500	CKCK	960
	500	CNRR	960
Saskatoon B-11	500	CFQC	910
	500	CNRS	910
Yorkton B-13	500	CJGX	630

NEWFOUNDLAND

St. Johns A-35	75	VOAS	810
	30	VONA	950
	500	VOWR	675

CENTRAL AMERICA

COSTA RICA

Heredia FF-23	15	T14NRH	980
San Jose FF-23	50	TICR	911

GUATAMALA

Guatamala CC-19	50	TGW	570
-----------------	----	-----	-----

HONDURAS

Tegucigalpa CC-21	2300	HRB	1370
-------------------	------	-----	------

SALVADOR

Salvador CC-19	500	RUS	664
----------------	-----	-----	-----

MEXICO

AGUASCALIENTES

Aguascalientes W-10	250	XFC	810
---------------------	-----	-----	-----

BAJA CALIFORNIA

Tijuana N-3	300	XEFD	1020
-------------	-----	------	------

CHIHUAHUA

Chihuahua R-9	100	XEFI	1000
	250	XFF	875
Juarez P-9	101	XEJ	1000
	5000	XEQ	750

COAHUILA

Saltillo, Coah. U-12	25	XEL	1000
Torreón U-11	125	XETB	1380
	100	XETG	1000
Villa Acuña R-12	75000	XER	735

D. F.

Coyoacán Y-13	100	XETZ	1500
Mexico City Y-13	1000	XEB	1030
	250	XEFA	1250
	100	XEG	1360
	101	XEK	990
	1000	XEN	711
	5000	XEO	940
	500	XETA	1140
	100	XETQ	1230
	5000	XEW	910
	500	XEX	1210
	500	XEZ	780
	2000	XFG	638
	1000	XFI	818
	500	XFX	867
Toluca. Y-12	50	XEC	1000

CFAC 690	Quebec, Que.	CKCI 645	Havana, Cuba	CMCA 1225	London, Ont.	CNRL 910
Calgary, Alta.	CKCK 960	Quebec, Que.	Havana, Cuba	Havana, Cuba	London, Ont.	London, Ont.
CFBO 890	Regina, Sask.	Regina, Sask.	Havana, Cuba	CMCB 1070	CNRM 730	CNRM 730
St. John, N. B.	CKCL 580	Toronto, Ont.	Havana, Cuba	Havana, Cuba	Montreal, Que.	Montreal, Que.
CFCA 1120	Toronto, Ont.	Toronto, Ont.	Havana, Cuba	CMCD 925	CNRO 600	CNRO 600
Toronto, Ont.	CKCO 890	Ottawa, Ont.	Havana, Cuba	Havana, Cuba	Ottawa, Ont.	Ottawa, Ont.
CFCF 1030	CKCR 645	Ottawa, Ont.	Havana, Cuba	CMCF 890	CNRQ 880	CNRQ 880
Montreal, Que.	Waterloo, Ont.	Waterloo, Ont.	Havana, Cuba	Havana, Cuba	Quebec, Que.	Quebec, Que.
CFCH 930	CKCV 880	Quebec, Que.	Havana, Cuba	CMCG 1345	CNRR 960	CNRR 960
North Bay, Ont.	CKFC 730	Quebec, Que.	Havana, Cuba	Havana, Cuba	Regina, Sask.	Regina, Sask.
CFCL 580	Vancouver, B. C.	Vancouver, B. C.	Havana, Cuba	CMCH 1405	CNRS 910	CNRS 910
Toronto, Ont.	CKG 840	Vancouver, B. C.	Havana, Cuba	Havana, Cuba	Saskatoon, Sask.	Saskatoon, Sask.
CFCN 985	Toronto, Ont.	Toronto, Ont.	Havana, Cuba	CMCJ 620	CNRT 1120	CNRT 1120
Calgary, Alta.	CKIC 1010	Wolfville, N. S.	Havana, Cuba	Havana, Cuba	Toronto, Ont.	Toronto, Ont.
CFCO 1210	CKIL 840	Red Deer, Alta.	Havana, Cuba	CMCM 1405	CNRV 1030	CNRV 1030
Chatham, Ont.	CKIM 1210	Cobalt, Int.	Havana, Cuba	Havana, Cuba	Vancouver, B. C.	Vancouver, B. C.
CFCT 630	CKMO 730	Vancouver, B. C.	Havana, Cuba	CMCN 925	CNRW 780	CNRW 780
Victoria, B. C.	CKNC 960	Toronto, Ont.	Havana, Cuba	Havana, Cuba	Winnipeg, Man.	Winnipeg, Man.
CFCY 580	CKOC 635	Toronto, Ont.	Havana, Cuba	CMCO 660	CNRX 690	CNRX 690
Ch'totet'n, P.E.I.	CKOD 1200	Hamilton, Ont.	Havana, Cuba	Havana, Cuba	Toronto, Ont.	Toronto, Ont.
CFJC 1120	CKOV 1200	Kelowna, B. C.	Havana, Cuba	CMCQ 1150	CPRY 840	CPRY 840
Kamloops, B. C.	CKPC 880	Preston, Ont.	Havana, Cuba	CMCQ 1150	Toronto, Ont.	Toronto, Ont.
CFLC 915	CKPR 890	Pt. William, Ont.	Havana, Cuba	CMCR 1345	HHK 920	HHK 920
Prescott, Ont.	CKTB 635	St. Cath., Ont.	Havana, Cuba	Havana, Cuba	Port au Prince, H.	Port au Prince, H.
CFNB 1210	CKUA 580	Edmonton, Alta.	Havana, Cuba	CMCU 1285	HIX 620	HIX 620
Fredericton, N.B.	CKWX 730	Vancouver, B. C.	Havana, Cuba	Havana, Cuba	Santo Domingo	Santo Domingo
CFQC 910	CKX 540	Brandon, Man.	Havana, Cuba	CMCW 1285	HRB 1370	HRB 1370
Saskatoon, Sask.	CKY 780	Winnipeg, Man.	Havana, Cuba	Havana, Cuba	Tequigalpa	Tequigalpa
CFRB 690	CMAB 1249	Pinar del Rio, Cu	Havana, Cuba	CMCY 1345	KABC 1420	KABC 1420
Toronto, Ont.	CMAC 1375	Pinar del Rio, Cu	Havana, Cuba	Havana, Cuba	San Antonio, Tex.	San Antonio, Tex.
CFRC 930	CMBC 965	Havana, Cuba	Havana, Cuba	CMDC 660	KARK 890	KARK 890
Kingston, Ont.	CMBD 965	Havana, Cuba	Havana, Cuba	Havana, Cuba	Lit. Rock, Ark.	Lit. Rock, Ark.
CHCK 960	CMBG 1070	Havana, Cuba	Havana, Cuba	CMDC 660	KBPS 1420	KBPS 1420
Ch'totet'n, P.E.I.	CMBI 1405	Havana, Cuba	Havana, Cuba	Havana, Cuba	Portland, Ore.	Portland, Ore.
CHGS 1120	CMBL 1500	Havana, Cuba	Havana, Cuba	CMDC 660	KBTM 1200	KBTM 1200
Sum'rside, P.E.I.	CMBN 1405	Havana, Cuba	Havana, Cuba	CMDC 660	Paragould, Ark.	Paragould, Ark.
CHLS 730	CMBQ 1500	Havana, Cuba	Havana, Cuba	CMDC 660	KCMC 1500	KCMC 1500
Vancouver, B. C.	CMBR 1500	Havana, Cuba	Havana, Cuba	CMDC 660	Texarkana, Ark.	Texarkana, Ark.
CHMA 580	CMBS 790	Havana, Cuba	Havana, Cuba	CMDC 660	KCRC 1370	KCRC 1370
Edmonton, Alta.	CMBT 970	Havana, Cuba	Havana, Cuba	CMDC 660	Enid, Okla.	Enid, Okla.
CHML 880	CMBW 1010	Havana, Cuba	Havana, Cuba	CMDC 660	KCRJ 1310	KCRJ 1310
Hamilton, Ont.	CMBY 1225	Havana, Cuba	Havana, Cuba	CMDC 660	Jerome, Ariz.	Jerome, Ariz.
CHNS 815	CMCZ 1010	Havana, Cuba	Havana, Cuba	CMDC 660	KDB 1500	KDB 1500
Hallifax, N. S.	CMC 842	Havana, Cuba	Havana, Cuba	CMDC 660	S. Barbara, Cal.	S. Barbara, Cal.
CHRC 645	Havana, Cuba	Havana, Cuba	Havana, Cuba	CMDC 660	KDFN 1210	KDFN 1210
CHWC 960		Havana, Cuba	Havana, Cuba	CMDC 660	Casper, Wyo.	Casper, Wyo.
Regina, Sask.		Havana, Cuba	Havana, Cuba	CMDC 660	KDKA 980	KDKA 980
CHWK 665		Havana, Cuba	Havana, Cuba	CMDC 660	Pittsburgh, Pa.	Pittsburgh, Pa.
Chilliwack, B. C.		Havana, Cuba	Havana, Cuba	CMDC 660	KDLR 1210	KDLR 1210
CHYC 730		Havana, Cuba	Havana, Cuba	CMDC 660	Devils Lake, N.D.	Devils Lake, N.D.
Montreal, Que.		Havana, Cuba	Havana, Cuba	CMDC 660	KDYL 1290	KDYL 1290
CJBR 960		Havana, Cuba	Havana, Cuba	CMDC 660	Salt Lake City	Salt Lake City
Regina, Sask.		Havana, Cuba	Havana, Cuba	CMDC 660	KECA 1430	KECA 1430
CJCA 745		Havana, Cuba	Havana, Cuba	CMDC 660	Los Angeles, Cal.	Los Angeles, Cal.
Edmonton, Alta.		Havana, Cuba	Havana, Cuba	CMDC 660	KELW 780	KELW 780
CJCB 880		Havana, Cuba	Havana, Cuba	CMDC 660	Burbank, Cal.	Burbank, Cal.
Sydney, N. S.		Havana, Cuba	Havana, Cuba	CMDC 660	KERN 1200	KERN 1200
CJ CJ 690		Havana, Cuba	Havana, Cuba	CMDC 660	Bakersfield, Cal.	Bakersfield, Cal.
Calgary, Alta.		Havana, Cuba	Havana, Cuba	CMDC 660	KEX 1180	KEX 1180
CJGC 910		Havana, Cuba	Havana, Cuba	CMDC 660	Portland, Ore.	Portland, Ore.
London, Ont.		Havana, Cuba	Havana, Cuba	CMDC 660	KFAB 770	KFAB 770
CJGJ 630		Havana, Cuba	Havana, Cuba	CMDC 660	Lincoln, Nebr.	Lincoln, Nebr.
Yorkton, Sask.		Havana, Cuba	Havana, Cuba	CMDC 660	KFAC 1300	KFAC 1300
CJOC 1120		Havana, Cuba	Havana, Cuba	CMDC 660	Los Angeles, Cal.	Los Angeles, Cal.
Lethbridge, Alta.		Havana, Cuba	Havana, Cuba	CMDC 660	KFBB 1280	KFBB 1280
CJOR 1210		Havana, Cuba	Havana, Cuba	CMDC 660	Great Fls., Mont.	Great Fls., Mont.
Vancouver, B. C.		Havana, Cuba	Havana, Cuba	CMDC 660	KFBI 1050	KFBI 1050
CJRM 665		Havana, Cuba	Havana, Cuba	CMDC 660	Milford, Kans.	Milford, Kans.
Moose Jaw, Sask.		Havana, Cuba	Havana, Cuba	CMDC 660	KFBK 1310	KFBK 1310
CJRW 665		Havana, Cuba	Havana, Cuba	CMDC 660	Sacramento, Cal.	Sacramento, Cal.
Fleming, Sask.		Havana, Cuba	Havana, Cuba	CMDC 660	KFBL 1370	KFBL 1370
CKAC 730		Havana, Cuba	Havana, Cuba	CMDC 660	Everett, Wash.	Everett, Wash.
Montreal, Que.		Havana, Cuba	Havana, Cuba	CMDC 660	KFDM 560	KFDM 560
CKCD 730		Havana, Cuba	Havana, Cuba	CMDC 660	Beaumont, Tex.	Beaumont, Tex.
Vancouver, B. C.		Havana, Cuba	Havana, Cuba	CMDC 660	KFDY 550	KFDY 550
				CMDC 660	Brookings, S. D.	Brookings, S. D.

KFEL 920 Denver, Colo.	KFWB 959 Hollywood, Cal.	KGGF 1010 Coffeyville, Okla.	KMA 930 Shenandoah, Ia.
KFEQ 680 St. Joseph, Mo.	KFWF 1200 St. Louis, Mo.	KGGM 1230 Albuq'rque, N.M.	KMAC 1370 San Antonio, Tex.
KFGQ 1310 Boone, Iowa	KFWI 930 San F'ncisco, Cal.	KGHF 1320 Pueblo, Colo.	KMBC 950 Kan. City Mo.
KFH 1300 Wichita, Kansas	KFXD 1420 Nampa, Idaho	KGHI 1200 Little Rock, Ark.	KMED 1310 Medford, Ore.
KFI 640 Los Angeles, Cal.	KFXF 920 Denver, Colo.	KGHL 950 Billings, Mont.	KMJ 1210 Fresno, Cal.
KFIO 1129 Spokane, Wash.	KFXJ 1310 Grand Junc., Col.	KGIR 1360 Butte, Mont.	KMLB 1200 Monroe, La.
KFIZ 1429 Fond du Lac, Wis.	KFXM 1210 San Ber'd no, Cal.	KGIV 1420 Trinidad, Colo.	KMMMJ 740 Clay Ctr., Nebr.
KFJB 1209 Marshalltown, Ia.	KFXR 1310 Oklahoma City	KGIX 1420 Las Vegas, Nev.	KMO 860 Tacoma, Wash.
KFJF 1480 Oklahoma City	KFXV 1420 Flagstaff, Ariz.	KGIZ 1500 Grant City, Mo	KMOX 1099 St. Louis, Mo.
KFJI 1210 Klamath Falls Ore	KFYO 1420 Abilene, Texas	KGKB 1500 Tyler, Texas	KMPC 710 Beverly Hills, Cal
KFJM 1370 Grd. Forks, N.D.	KFYR 550 Bismarck, N. D.	KGKL 1370 San Angelo, Tex.	KMTR 570 Hollywood, Cal.
KFJR 1300 Portland, Ore.	KGA 1470 Spokane, Wash.	KGKO 570 Wichita Fils., Tex.	KNX 1050 Hollywood, Cal.
KFJY 1310 Fort Dodge Ia.	KGAR 1370 Tucson, Arizona	KGKY 1420 Sand Point, Idaho	KOA 830 Denver, Colo.
KFJZ 1370 Ft. Worth, Tex.	KGB 1330 San Diego, Cal.	KGKY 1500 Scottsbluff, Nebr.	KOAC 550 Corvallis, Ore.
KKFA 880 Greeley, Colo.	KGBU 900 Ketchikan, Al'ka	KGMB 1320 Honolulu, T. H.	KOB 1180 State Col., N. M.
KFKU 1220 Lawrence, Kans.	KGBX 1310 St. Joseph, Mo.	KGNF 1430 No. Platte, Nebr.	KOCW 1400 Chickasha, Okla.
KFKX 1020 Chicago, Ill.	KGZ 930 York, Nebr.	KGNO 1210 Dodge City, Kas.	KOH 1380 Reno, Nevada
KFLV 1410 Rockford, Ill.	KGCA 1270 Decorah, Iowa	KGO 790 San F'ncisco, Cal.	KOIL 1260 Council Bluffs, Ia.
KFLX 1370 Galveston, Tex.	KGCR 1210 Watertown, S. D.	KGRS 1410 Amarillo, Texas	KOIN 940 Portland, Ore.
KFMX 1250 N'tfield, Minn.	KGCC 1240 Mandan, N. D.	KGU 940 Honolulu, Hawaii	KOL 1270 Seattle, Wash.
KFNE 890 Shenandoah, Ia.	KGCX 1310 Wolf P't, Mont.	KGVO 1420 Missoula, Mont.	KOMO 920 Seattle, Wash.
KFOR 1210 Lincoln, Nebr.	KGDA 1370 Mitchell, S. D.	KGW 620 Portland, Ore.	KONO 1370 San Antonio, Tex.
KFOX 1250 Long Beach, Cal.	KGDE 1200 Fergus Falls, Minn	KGW 1200 Olympia, Wash.	KOOS 1370 Marshfield, Ore.
KFPL 1310 Dublin, Texas	KGDM 1100 Stockton, Cal.	KHJ 900 Los Angeles, Cal.	KORE 1420 Eugene, Ore.
KFPM 1310 Greenville, Texas	KGDY 1200 Huron, S. D.	KHK 590 Spokane, Wash.	KOY 1390 Phoenix, Arizona
KFPW 1340 Ft. Smith, Ark.	KGEE 1200 Yuma, Colo.	KICK 1420 Red Oak, Iowa	KPCB 650 Seattle, Wash.
KFPY 1340 Spokane, Wash.	KGER 1360 Long Beach, Cal.	KID 1320 Idaho Falls, 'da.	KPJM 1500 Prescott, Ariz.
KFQD 1230 Anchorage, Alas.	KGEW 1290 Ft. Morgan, Colo.	KIDO 1350 Boise, Idaho	KPO 680 San F'ncisco, Cal.
KFRC 610 San F'ncisco, Cal.	KGEZ 1310 Kalispell, Mont.	KIT 1310 Yakima, Wash.	KPOF 880 Denver, Colo.
KFRU 630 Columbia, Mo.	KGFF 1420 Shawnee, Okla.	KJBS 1070 San F'ncisco, Cal.	KPPP 1210 Pasadena, Cal.
KFSD 600 San Diego, Cal.	KGFG 1370 Oklahoma City	KJR 970 Seattle, Wash.	KPKQ 1500 Wenatchee, Wash
KFSG 1120 Los Angeles, Cal.	KGFI 1500 Corp's Ch'sti, Tex	KLCN 1290 Blytheville, Ark.	KPRC 920 Houston, Texas
KFUL 1290 Galveston, Texas	KGFL 1200 Los Angeles, Cal.	KLO 1400 Ogden, Utah	KQV 1380 Pittsburgh, Pa.
KFUO 550 St. Louis, Mo.	KGFL 1500 Moorhead, Minn.	KLPM 1240 Minot, N. Dak.	KQW 1010 San Jose, Cal.
KFUP 1310 Denver, Colo.	KGFL 1370 Raton, N. M.	KLRA 1390 Little Rock, Ark.	KRE 1370 Berkeley, Cal.
KFVD 1000 Culver City, Cal.	KGFW 1310 Kearney, Nebr.	KLS 1440 Oakland, Cal.	KREG 1500 Santa Ana, Cal.
KFVS 1210 Cape Gir'rd'u, Mo	KGFX 580 Pierre, S. D.	KLX 880 Oakland, Cal.	KRGV 1260 Harlingen, Texas
	KGGC 1420 San F'ncisco, Cal.	KLZ 560 Denver, Colo.	KRKD 1120 Los Angeles, Cal.

KRLD 1040 Dallas, Texas	KWK 1350 St. Louis, Mo.	WASH 1270 Gr. Rapids, Mich.	WCAT 1200 Rapid City, S. D.
KRMD 1310 Shreveport, La.	KWKC 1370 Kansas City, Mo.	WAWZ 1350 Zarephath, N. J.	WCAU 1170 Philadelphia, Pa.
KROW 930 Oakland, Cal.	KWKH 850 Shreveport, La.	WBAA 1400 Lafayette, Ind.	WCAX 1200 Burlington, Vt.
KRSC 1120 Seattle, Wash.	KWLC 1270 Decorah, Iowa	WBAA 1430 Harrisburg, Pa.	WCAY 1070 Carthage, Ill.
KSAC 580 Manh'tt'n, Kans.	KWSC 1220 Pullman, Wash.	WBAL 760-1060 Baltimore, Md.	WCBA 1440 Allentown, Pa.
KSCJ 1330 Sioux City, Ia.	KWWG 1260 Brownsville, Tex.	WBAP 800 Fort Worth, Tex.	WCBD 1080 Zion, Ill.
KSD 550 St. Louis, Mo.	KXA 570 Seattle, Wash.	WBAX 1210 Wilkes-Barre, Pa.	WCBM 1370 Baltimore, Md.
KSEI 900 Pocatello, Idaho	KXL 1420 Portland, Ore.	WBBC 1400 Brooklyn, N. Y.	WCBS 1210 Springfield, Ill.
KSL 1130 Salt Lake City	KXO 1500 El Centro, Cal.	WBBL 1210 Richmond, Va.	WCCO 810 Minneapolis, Minn.
KSO 1380 Charinda, Iowa	KYRO 1310 Aberdeen, Wash.	WBDM 770 Chicago, Ill.	WCDA 1350 New York City
KSOO 1110 Sioux Falls, S. D.	KXYZ 1420 Houston, Texas	WBDR 1300 Brooklyn, N. Y.	WCFL 970 Chicago, Ill.
KSTP 1460 St. Paul, Minn.	KYA 1230 San F'nisco, Cal.	WBFB 1200 Ponca City, Okla.	WCGU 1400 Brooklyn, N. Y.
KTAB 560 San F'nisco, Cal.	KYW 1020 Chicago, Ill.	WBGM 1410 Bay City, Mich.	WCHI 1490 Chicago, Ill.
KTKR 620 Phoenix, Ariz.	KZKA 1110 Manilla, P. I.	WBGN 900 Buffalo, N. Y.	WCKY 1490 Covington, Ky.
KTAT 1240 Fl. Worth, Tex.	KZRC 937.5 Cebu, P. I.	WBFO 1310 Marquette, Mich.	WCLO 1200 Janesville, Wis.
KTBR 1300 Portland, Ore.	KZRM 618.5 Manila, P. I.	WBGF 1370 Glens Falls, N. Y.	WCLS 1310 Joliet, Ill.
KTBS 1450 Shreveport, La.	NAA 690 Arlington, Va.	WBHS 1200 Huntsboro, N.C.	WCMA 1400 Culver, Ind.
KTFI 1240 Twin Falls, Ida.	RUS 664 Salvador	WBIG 1440 Greensboro, N.C.	WCOA 1340 Pensacola, Fla.
KTHS 1040 Hot Spgs., Ark.	TGW 570 Guatemala	WBIS 1230 Boston, Mass.	WCOC 880 Meridian, Miss.
KTLC 1310 Houston, Texas	TICR 911 San Jose, C. R.	WBMS 1450 Hackensack, N.J.	WCOD 1200 Harrisburg, Pa.
KTM 780 Los Angeles, Cal.	TIANRH 980 Heredia, C. R.	WBNN 1350 New York City	WCOH 1210 Yonkers, N. Y.
KTRH 1120 Houston, Texas	VAS 685 Glance Bay, N. S.	WBOQ 860 New York City	WCRW 1210 Chicago, Ill.
KTSA 1290 San Antonio, Tex.	VOAS 810 St. John's, N. F.	WBOW 1310 Terre Haute, Ind.	WCSC 1360 Charleston, S. C.
KTSM 1310 El Paso, Texas	VONA 950 St. John's, N. F.	WBRC 930 Birmingham, Ala.	WCSSH 940 Portland, Maine
KTW 1220 Seattle, Wash.	VOWR 675 St. Johns, N. F.	WBRE 1310 Wilkes-Barre, Pa.	WDAE 1220 Tampa, Fla.
KUJ 1370 Walla Wall, Wash.	VPN 610 Nassau, B. I.	WBSO 920 Needham, Mass.	WDAF 610 Kansas City, Mo.
KUOA 1390 Fayetteville, Ark.	WAAB 1410 Boston, Mass.	WBT 1080 Charlotte, N. C.	WDAG 1410 Amarillo, Texas
KUSD 890 Vermillion, S. D.	WAAF 920 Chicago, Ill.	WBTM 1370 Danville, Va.	WDAH 1310 El Paso, Texas
KUT 1500 Austin, Texas	WAAM 1250 Newark, N. J.	WAZ 990 Boston, Mass.	WDAS 1370 Philadelphia, Pa.
KVI 760 Tacoma, Wash.	WAAT 940 Jersey City, N. J.	WBZA 990 Springfield, Mass.	WDAY 940 Fargo, N. D.
KVL 1370 Seattle, Wash.	WAAW 660 Omaha, Nebr.	WCAC 600 Storrs, Conn.	WDBJ 930 Roanoke, Va.
KVOA 1260 Tucson, Arizona	WABC 860 New York City	WCAD 1220 Canton, N. Y.	WDBO 1120 Orlando, Fla.
KVOO 1140 Tulsa, Okla.	WABI 1200 Bangor, Maine	WCAE 1220 Pittsburgh, Pa.	WDEL 1120 Wilmington, Del.
KVOR 1270 Col. Sp'gs, Colo.	WABZ 1200 New Orleans, La.	WCAH 1430 Columbus, Ohio	WDEW 1420 Waterbury, Vt.
KVOS 1200 Bellingh'm, Wash.	WACO 1240 Waco, Texas	WCAB 590 Lincoln, Nebr.	WDGY 1180 Minneapolis, Minn.
KWCR 1310 Cedar Rapids, Ia.	WADC 1320 Akron, Ohio	WCAL 1250 Northfield, Minn.	WDDO 1280 Chattanooga, Tenn.
KWEA 1210 Shreveport, La.	WAGM 1420 Presque Isle, Me.	WCAM 1280 Camden, N. J.	WDRG 1330 Hartford, Conn.
KWG 1200 Stockton, Cal.	WAU 640 Columbus, Ohio	WCAN 600 Baltimore, Md.	
KWJJ 1060 Portland, Ore.	WALR 1210 Zanesville, Ohio	WCAP 1280 Asbury Pk., N. J.	
	WAPI 1140 Birmingham, Ala.		

WDSU 1250 New Orleans, La.	WGAR 1450 Cleveland, Ohio	WHN 1010 New York City	WJJD 1130 Mooseheart, Ill.
WDZ 1070 Tuscola, Ill.	WGBB 1210 Freeport, N. Y.	WHO 1000 Des Moines, Ia.	WJKS 1360 Gary, Ind.
WEAF 660 New York City	WGBF 630 Evansville, Ind.	WHOM 1450 Jersey City, N. J.	WJMS 1420 Ironwood, Mich.
WEAI 1270 Ithaca, N. Y.	WGBI 880 Scranton, Pa.	WHP 1430 Harrisburg, Pa.	WJR 750 Detroit, Mich.
WEAN 780 Providence, R. I.	WGCM 1210 Gulfport, Miss.	WIAS 1420 Ottumwa, Iowa	WJSV 1460 Alexandria, Va.
WEAO 570 Columbus, Ohio	WGCP 1250 Newark, N. J.	WIBA 1280 Madison, Wis.	WJTL 1370 Atlanta, Ga.
WEBC 1290 Superior, Wis.	WGEO 1000 York, Pa.	WIBG 930 Elkins Park, Pa.	WJW 1210 Mansfield, Ohio
WEBQ 1210 Harrisburg, Ill.	WGES 1360 Chicago, Ill.	WIBM 1370 Jackson, Mich.	WJZ 760 New York City
WEBR 1310 Buffalo, N. Y.	WGH 1310 Newsp't News, Va.	WIBO 560 Chicago, Ill.	WKAQ 890 San Juan, P. R.
WEDC 1210 Chicago, Ill.	WGL 1370 Ft. Wayne, Ind.	WIBU 1210 Poynette, Wis.	WKAR 1040 E. Lansing, Mich.
WEDH 1420 Erie, Pa.	WGM 830 Jeannette, Pa.	WIBW 580 Topeka, Kansas	WKAV 1310 Laconia, N. H.
WEEI 590 Boston, Mass.	WGN 720 Chicago, Ill.	WIBX 1200 Utica, N. Y.	WKBB 1310 Joliet, Ill.
WEEU 830 Reading, Pa.	WGR 550 Buffalo, N. Y.	WICC 600 Bridgeport, Conn	WKBC 1310 Birmingham, Ala.
WEHC 1350 Emory, Va.	WGST 890 Atlanta, Ga.	WIL 1200 St. Louis, Mo.	WKBF 1400 Indianapolis, Ind.
WEHS 1420 Cicero, Ill.	WGY 790 Scheneec'dy, N. Y.	WILL 890 Urbana, Ill.	WKBH 1380 La Crosse, Wis.
WELL 1420 Battle C'k, Mich.	WHA 940 Madison, Wis.	WILM 1420 Wilmington, Del.	WKBI 1420 Cicero, Ill.
WENR 870 Chicago, Ill.	WHAD 1120 Milwaukee, Wis.	WINS 1180 New York City	WKBN 570 Youngstown, O.
WEVD 1300 New York City	WHAM 1150 Rochester, N. Y.	WIOD 1300 Miami, Fla.	WKB 1310 Galesburg, Ill.
WEW 760 St. Louis, Mo.	WHAP 1300 New York City	WIP 610 Philadelphia, Pa.	WKBI 1500 Connersville, Ind.
WEXL 1310 Royal Oak, Mich.	WHAS 820 Louisville, Ky.	WIS 1010 Columbia, S. C.	WKBW 1480 Buffalo, N. Y.
WFAA 800 Dallas, Texas	WHAT 1310 Philadelphia, Pa.	WISN 1120 Milwaukee, Wis.	WKBZ 1500 Ludington, Mich.
WFAM 1200 So. Bend, Ind.	WHAZ 1300 Troy, N. Y.	WJAC 1310 Johnstown, Pa.	WKJC 1200 Lancaster, Pa.
WFAN 610 Philadelphia, Pa.	WHB 860 Kansas City, Mo.	WJAG 1060 Norfolk, Nebr.	WKRC 550 Cincinnati, Ohio
WFBC 1200 Knoxville, Tenn	WHBC 1200 Canton, Ohio	WJAK 1310 Elkhart, Ind.	WKY 900 Oklahoma City
WFBE 1200 Cincinnati, Ohio	WHBD 1370 Mt. Orab, Ohio	WJAR 890 Providence, R. I.	WKZO 590 Kalamazoo, Mich.
WFBG 1310 Altoona, Pa.	WHBF 1210 Rock Island, Ill.	WJAS 1290 Pittsburgh, Pa.	WLAC 1470 Nashville, Tenn.
WFBL 1360 Syracuse, N. Y.	WHBL 1410 Sheboygan, Wis.	WJAX 900 Jacksonville, Fla.	WLAP 1200 Louisville, Ky.
WFBM 1230 Indianapolis, Ind.	WHBQ 1370 Memphis, Tenn.	WJAY 610 Cleveland, Ohio	WLB 1250 St. Paul, Minn.
WFBR 1270 Baltimore, Md.	WHBU 1210 Anderson, Ind.	WJBC 1200 La Salle, Ill.	WLCB 1310 Muncie, Ind.
WFDF 1310 Flint, Mich.	WHBY 1200 Green Bay, Wis.	WJBI 1210 Red Bank, N. J.	WLBK 1420 Kansas City, Ks.
WFDV 1310 Rome, Ga.	WHDF 1370 Calumet, Mich.	WJBK 1370 Detroit, Mich.	WLBG 1200 Ettrick, Va.
WFDW 1420 Anniston, Ala.	WHDE 830 Boston, Mass.	WJBL 1200 Decatur, Ill.	WLBL 900 Ellis, Wis.
WFEA 1430 Manchester, N. H.	WHDL 1420 Tupper Lake, N. Y.	WJBO 1420 New Orleans, La.	WLBW 1260 Oil City, Pa.
WFI 560 Philadelphia, Pa.	WHDC 1430 Rochester, N. Y.	WJBU 1210 Lewisburg, Pa.	WLBX 1500 L. L. City, N. Y.
WFIW 940 Hopkinsville, Ky.	WHFC 1420 Cicero, Ill.	WJBW 1200 New Orleans, La.	WLBZ 520 Bangor, Maine
WFLA 620 Clearwater, Fla.	WHIS 1410 Bluefield, W. Va.	WJBY 1210 Gadsden, Ala.	WLGI 1210 Ithaca, N. Y.
WFOX 1400 Brooklyn, N. Y.	WHK 1390 Cleveland, Ohio	WJDX 1270 Jackson, Miss.	WLEY 1370 Lexington, Mass.
WGAL 1310 Lancaster, Pa.			

WLIT 560
 Philadelphia, Pa.
 WLOE 1500
 Boston, Mass.
 WLS 870
 Chicago, Ill.
 WLTH 1400
 Brooklyn, N. Y.
 WLVA 1370
 Lynchburg, Va.
 WLVW 700
 Cincinnati, Ohio
 WLWL 1100
 New York City
 WMAC 570
 Syracuse, N. Y.
 WMAL 630
 Washington, D.C.
 WMAQ 670
 Chicago, Ill.
 WMAZ 1180
 Macon, Ga.
 WMBA 1500
 Newport, R. I.
 WMBC 1420
 Detroit, Mich.
 WMBD 1440
 Peoria Hghts., Ill.
 WMBG 1210
 Richmond, Va.
 WMBH 1420
 Joplin, Mo.
 WMBI 1080
 Chicago, Ill.
 WMBO 1310
 Auburn, N. Y.
 WMBQ 1500
 Brooklyn, N. Y.
 WMBR 1370
 Tampa, Fla.
 WMC 780
 Memphis, Tenn.
 WMCA 570
 New York City
 WMIL 1500
 Brooklyn, N. Y.
 WMMN 890
 Fairmont, W. Va.
 WMPC 1500
 Lapeer, Mich.
 WMRJ 1210
 Jamaica, N. Y.
 WMSG 1350
 New York City
 WMT 600
 Waterloo, Iowa
 WNAC 1230
 Boston, Mass.
 WNAD 1010
 Norman, Okla.
 WNAX 570
 Yankton, S. D.
 WNB 1500
 Bingham'tn, N. Y.
 WNBH 1310
 New B'dfd, Mass.
 WNBQ 1200
 Washington, Pa.
 WNB 1430
 Memphis, Tenn.
 WNBW 1200
 Carbondale, Pa.
 WNBX 1200
 Springfield, Vt.
 WNBZ 1290
 Sar'n'o L'ke, N. Y.
 WNJ 1450
 Newark, N. J.

WNOX 560
 Knoxville, Tenn.
 WNYC 570
 New York City
 WOAI 1190
 San Antonio, Tex.
 WOAX 1280
 Trenton, N. J.
 WOB 580
 Charlest'n, W. Va.
 WOC 1000
 Davenport, Iowa
 WOCL 1210
 Jamestown, N. Y.
 WODA 1250
 Paterson, N. J.
 WODX 1410
 Mobile, Ala.
 WOI 640
 Ames, Iowa
 WOKO 1430
 Albany, N. Y.
 WOL 1310
 Washington, D.C.
 WOMB 1210
 Manitowoc, Wis.
 WOOD 1270
 Gr. Rapids, Mich.
 WOPI 1500
 Bristol Tenn.
 WOQ 1300
 Kansas City, Mo.
 WOR 710
 Newark, N. J.
 WORC 1200
 Worcester, Mass.
 WOS 630
 Jeff's'n City, Mo.
 WOV 1130
 New York City
 WOW 590
 Omaha, Nebr.
 WOWO 1160
 Ft. Wayne, Ind.
 WPAD 1420
 Paducah, Ky.
 WPAP 1010
 New York City
 WPAW 1210
 Pawtucket, R. I.
 WPPC 560
 Chicago, Ill.
 WPH 810
 New York City
 WPEN 1500
 Philadelphia, Pa.
 WPF 1370
 Hattiesb'g, Miss.
 WPG 1100
 Atl'n'tic City, N.J.
 WPOR 780
 Norfolk, Va.
 WPRO 1210
 Providence, R. I.
 WPSC 1230
 State College, Pa.
 WPTF 680
 Raleigh, N. C.
 WQAM 560
 Miami, Fla.
 WQAN 880
 Seranton, Pa.
 WQAO 1810
 New York City
 WQBC 1360
 Vicksburg, Miss.
 WQDM 1370
 St. Albans, Vt.

WQDX 1210
 Thomasville, Ga.
 WRAX 1370
 Williamsport, Pa.
 WRAM 1370
 Wilmington, N.C.
 WRAW 1310
 Reading, Pa.
 WRAX 1020
 Philadelphia, Pa.
 WRBL 1200
 Columbus, Ga.
 WRBQ 1210
 Greenville, Miss.
 WRBX 1410
 Roanoke, Va.
 WRC 950
 Washington, D.C.
 WRDO 1370
 Augusta, Maine
 WRDW 1500
 Augusta, Ga.
 WREC 600
 Memphis, Tenn.
 WREN 1220
 Lawrence, Kans.
 WRHM 1250
 Minneap., Minn.
 WRJN 1370
 Racine, Wis.
 WRNY 1010
 New York City
 WROL 1310
 Knoxville, Tenn.
 WRR 1280
 Dallas, Texas
 WRUF 830
 Gainesville, Fla.
 WRVA 1110
 Richmond, Va.
 WSAI 1330
 Cincinnati, Ohio
 WSAJ 1310
 Grove City, Pa.
 WSAN 1440
 Allentown, Pa.
 WSAR 1450
 Fall River, Mass.
 WSAZ 580
 Hunt'gton, W. Va.
 WSB 740
 Atlanta, Ga.
 WSBC 1210
 Chicago, Ill.
 WSBT 1230
 South Bend, Ind.
 WSEN 1210
 Columbus, Ohio
 WSFA 1410
 Montgomery, Ala.
 WSIX 1210
 Springfield, Tenn.
 WSJS 1310
 Winst.-Sal., N. C.
 WSM 650
 Nashville, Tenn.
 WSMB 1320
 New Orleans, La.
 WSMK 1380
 Dayton, Ohio
 WSOC 1210
 Gastonia, N. C.
 WSPA 1420
 Spartanburg, S. C.
 WSPD 1340
 Toledo, Ohio
 WSUI 880
 Iowa City, Iowa

WSUN 620
 St. Petersb'g, Fla.
 WSVS 1370
 Buffalo, N. Y.
 WSYB 1500
 Rutland, Vt.
 WSYR 570
 Syracuse, N. Y.
 WTAD 1440
 Quincy, Ill.
 WTAG 580
 Worcester, Mass.
 WTAM 1070
 Cleveland, Ohio
 WTAQ 1330
 Eau Claire, Wis.
 WTA 780
 Norfolk, Va.
 WTAW 1120
 College Sta., Tex.
 WTAX 1210
 Springfield, Ill.
 WTBO 1420
 Cumberland, Md.
 WTEL 1310
 Philadelphia, Pa.
 WTFI 1450
 Athens, Ga.
 W TIC 660-1060
 Hartford, Conn.
 WTJS 1310
 Jackson, Tenn.
 WTMJ 620
 Milwaukee, Wis.
 WTOC 1260
 Savannah, Ga.
 W TSL 1310
 Laurel, Miss.
 W WAE 1200
 Hammond, Ind.
 WWJ 920
 Detroit, Mich.
 WWL 850
 New Orleans, La.
 WWNC 570
 Asheville, N. C.
 WWRL 1500
 Woodside, N. Y.
 WWSW 1500
 Pittsburgh, Pa.
 WWVA 1160
 Wheeling, W. Va.
 WXYZ 1240
 Detroit, Mich.
 XEA 1000
 Guad'ljara, Mex.
 XEB 1030
 Mexico City
 XEC 1000
 Toluca, Mexico
 XED 965
 Reynosa, Mexico
 XEE 1000
 Oaxaco, Mexico
 XEFA 1250
 Mexico City
 XEFB 1315
 Monterrey, Mex.
 XEFC 1050
 Merida, Mex.
 XEFD 1020
 Tijuana, Mex.
 XEFE 1000
 Laredo, Mexico
 XEFI 1000
 Chihuahua, Mex.
 XEFS 1000
 Queretaro, Mex.

XEG 1360 Mexico, Mex.	XEP 1400 Laredo, Mexico	XETG 1000 Torreon, Mex.	XFC 810 Agascalntes, M.
XEH 1132 Monterrey, Mex.	XEQ 750 Juarez, Mexico	XETQ 1230 Mexico, Mex.	XFF 875 Chihuahua, Mex.
XEI 1000 Morelia, Mexico	XER 735 Villa Acuna, Mex.	XETZ 1500 Coyoacan, Mex.	XFG 683.3 Mexico City
XEJ 1000 Juarez, Mexico	XES 890 Tampico, Mexico	XEU 1000 Veracruz, Mex.	XFI 818 Mexico City
XEK 990 Mexico City	XET 690 Monterrey, Mex.	XEV 1000 Puebla, Mexico	XFX 867 Mexico City
XEL 1000 Saltillo, Mexico	XETA 1140 Mexico City	XEW 910 Mexico City	10-AB 1200 Moose Jaw, Sask.
XEM 1300 Tampico, Mexico	XETB 1380 Torreon, Mex.	XEX 1210 Mexico City	10-AT 1155 Trail, B. C.
XEN 711 Mexico City	XETC 1000 Jalapa, Mex.	XEY 1000 Merida, Mexico	10-BP 1200 Wingham, Ont.
XEO 940 Mexico City	XETF 630 Veracruz, Mex.	XEZ 780 Mexico City	10-BQ 1200 Brantford, Ont.

INDEX BY LOCATIONS WITH MAP KEY

(Continued from page 59)

JALISCO		Watts	Kcys.	
Guadalajara, Jal. X-10	101	XEA	1000	Ciego de Avila W-26 15
MICHOACAN				Cienfuegos W-25 40
Morelia, Mich. Y-12	101	XEI	1000	Colon W-24 100
NEUVO LEON				Havana W-23 150
Monterrey, N. L. U-13	50	XEFB	1315	150 CMBD 965
	1000	XEH	1132	150 CMBG 1070
	500	XET	690	30 CMBI 1405
OAXACA				20 CMBL 1500
Oaxaca, Oak. AA-14	105	XEE	1000	30 CMBN 1405
PUEBLA				50 CMBQ 1500
Puebla Z-13	101	XEV	1000	15 CMBR 1500
QUERETARO				150 CMBT 970
Queretaro X-12	40	XEFS	1000	150 CMBW 1010
TAMAULIPAS				350 CMBY 1225
N. Laredo S-13	101	XEFE	1000	150 CMBZ 1010
	200	XEP	1400	500 CMC 842
Reynosa, Tams. T-14	10000	XED	965	150 CMCA 1225
Tampico, Tams. W-14	5000	XEM	730	150 CMCB 1070
	500	XES	890	250 CMCD 925
VERA CRUZ				30 CMCF 890
Jalapa Y-14	100	XETC	1000	30 CMCG 1345
Veracruz, Ver. Z-14	500	XETF	630	15 CMCH 1405
	101	XEU	1000	250 CMCI 620
YUCATAN				15 CMCM 1405
Merida, Yuc. X-19	105	XEY	1000	250 CMCN 925
WEST INDIES				225 CMCO 660
BAHAMA				600 CMCQ 1150
Nassau, U-26	500	VPN	610	150 CMCR 1345
CUBA				150 CMCU 1285
Caibarien W-25	250	CMHD	950	150 CMCW 1285
Cardenas W-24	30	CMGE	1375	50 CMCY 1345
Camaguey W-26	150	CMJC	1382	500 CMDC 660
	20	CMJE	856	3150 CMK 730
	50	CMJF	930	250 CMQ 1150
	30	CMJG	1200	1400 CMW 588
				1000 CMX 885
				7.5 CMGB 1205
				50 CMGF 977
				150 CMGH 1370
				20 CMAB 1249
				30 CMAC 1375
				15 CMHI 1110
				150 CMKC 1034
				100 CMHC 790
				DOMINICAN REPUBLIC
				Santo Domingo X-31 1000
				HIX 620
				HAITI
				Port au Prince X-30 1000
				HHK 920

Classified Index to Chain Programs

Time is given in EST. P. M. unless otherwise shown.

BANDS

Carborundum, 9 p.m., Saturday.
Pryor's, 9 p.m., Saturday.
Souza's, 8:30 p.m., Wednesday.

CHILDREN

Idont Club, 7:30 p.m., Sunday.
Lady Next Door, 4:30 p.m., Daily, except Sunday.
Orphan Annie, 5:45 and 6:45 p.m., Daily, except Sunday.
Raising Junior, 6 p.m., Daily, except Wednesday.
Skippy, 5:15 p.m., Daily, except Sunday.

CONCERTS

Balkan Mountain Men, 12:30 p.m., Sunday.
Major Bowes, 11:30 a.m., Sunday.
Cafe Budapest, 10 p.m., Friday.
Cities Service, 8 p.m., Friday.
Civic Concert, 8 p.m., Saturday.
Columbia Program, 6:30 p.m., Sunday.
Davey Tree, 4:30 p.m., Sunday.
Walter Damrosch, 1:15 p.m., Sunday, and 11 a.m., Friday.
Familiar Music, 9:15 p.m., Sunday.
Kostelanetz, Pastoral, 2 p.m., Sunday.
Light Opera, 8:15 p.m., Wednesday.
Old Company, 1:45 p.m., Sunday.
Old Singing Master, 10:15 p.m., Sunday.
Quiet Harmonies, 6 p.m., Sunday.
Waldorf-Astoria, 6 p.m., Daily, except Sunday.

DANCE BANDS

Gus Arnheim, 12 mid., Tuesday.
Ben Bernie, 9 p.m., Tuesday, 12 mid., Monday and Friday.
Columbian, 10 p.m., Monday.
Coon-Sanders, 12 mid., Wed., Thur., Fri., Sat.
Countess d'Orsay, 8:30 p.m., Saturday.
Jack Denny, 11:30 p.m., Tuesday.
Eddie Duchin, 12 mid., Wednesday and Sunday.
Earl Hines, 12 Mid., Monday.
Wayne King, 3 p.m., Sunday.
Howard Lunin, 7:15 p.m., Daily, except Sat. and Sun.
Guy Lombardo, 8:15 and 10 p.m., Monday; 12 mid., Thursday; 7:30 p.m., Saturday.
Vincent Lopez, 11:30 p.m., Wednesday; 11:15 p.m., Friday.
Lucky Strike, 10 p.m., Tuesday, Thursday, Saturday.
Abey Lyman, 8:15 p.m., Tuesday, Thursday, Saturday.
Enrique Madriguera, 11:45 p.m., Monday and Saturday.
Fred Martin, 6:15 p.m., Thursday.
Maytag, 9 p.m., Monday.
Geo. Olsen, 11:30 p.m., Tuesday, Thursday, Friday.
Don Redman, 11:15 p.m., Sat.; 11:30 p.m., Wed.
Noble Sissle, 12:30 a.m., Monday.
Harold Stern, 6:15 p.m., Wednesday.
Frank Streetz, 6:45 p.m., Tuesday.
Rudy Vallee, 12 mid., Tuesday; 8 p.m., Thurs.; 11:30 p.m., Saturday.
Club Valspar, 9:30 p.m., Saturday.
Tom Waring, 9:15 a.m., Daily, except Sun. and Wed.
Paul Whiteman, 10 p.m., Friday.
Yeong's Orchestra, noon Daily, except Saturday.

DIALOG

Amos 'n' Andy, 7 p.m., and 11 p.m., Daily, except Sunday.
Big Time, 8 p.m., Wednesday.
Clara, Lu and Ein, 10:15 a.m., Daily, except Sat. and Sun.
Col. Stoopnagle and Budd, 8:45 p.m., Sun., Mon., Wed.
Phil Cook, 8:15 and 9:15 a.m., Daily, except Sunday.
Gene and Glenn, 8 and 9 a.m., Daily, except Sunday.
The Goldbergs, 7:45 p.m., Daily, except Sunday.
Myrt and Marge, 7 and 10:45 p.m., Daily, except Saturday and Sunday.
Ray Perkins, 6:30 p.m., Tuesday and Saturday.
Real Folks, 5 p.m., Sunday.
Royal Vagabonds, 6:30 p.m., Monday, Wednesday, Friday.
Sisters of Skillet, 8:45 p.m., Tuesday, Thursday, Friday.
Stebbins Boys, 6:45 and 7:45 p.m., Daily, except Sat., Sun.
Tastyest Jesters, 7:15 p.m., Monday and Thursday.
Three Bakers, 7:30 p.m., Sunday.

DRAMATIC

Arabesque, 9 p.m., Monday.
Blue Coal Revue, 5:30 p.m., Sunday.
Canada's Mounted, 10 p.m., Monday.
Careless Love, 2:15 p.m., Sunday.

Crime Club, 9:30 p.m., Tuesday and Wednesday.
Danger Fighters, 8 p.m., Saturday.
Death Valley, 8:30 p.m., Monday.
First Nighter, 9:30 p.m., Saturday.
Friendship Town, 9 p.m., Friday.
Household Finance, 9 p.m., Tuesday.
Love Story, 9:30 p.m., Thursday.
March of Time, 8:30 p.m., Friday.
Moonshine and Honeysuckle, 2:30 p.m., Sunday.
Rin-Tin-Tin, 8:15 p.m., Thursday.
Sherlock Holmes, 9 p.m., Wednesday; 9:30 p.m., Thursday.
Silver Flute, 1:30 p.m., Sunday.
Soconyland, 8 p.m., Monday.
True Story, 8:30 p.m., Tuesday.

ORGAN

Jesse Crawford, 11:15 p.m., Wed., Sat.; 11:30 p.m., Sun., Mon., Thurs.
Ann Leaf, 3, 9:30, 12:30 a.m., Sunday; 9:30 p.m., Wed.
Melo-Clarion Twins, 8:15 p.m., Wednesday.

PIANO

Pray-Braggiotti, 7:15 p.m., Sunday; 8 p.m., Saturday.
Ernest Hutcheson, 10:30 p.m., Sunday.

POPULAR PROGRAMS

A. & P. Gypsies, 9 p.m., Monday; 10 p.m., Thursday.
Armour Program, 9:30 p.m., Friday.
Howard Barlow, 11:15 p.m., Tuesday, Thursday, Friday.
Bright Spot, 2:15 p.m., Sunday.
Buick Revelers, 9:45 p.m., Sunday.
Chase & Sanborn, 8 p.m., Sunday.
Cliquot Club, 9 p.m., Friday.
Coca Cola, 10 p.m., Wednesday.
Collier's Hour, 8:15 p.m., Sunday.
Columbia Revue, 12:30 p.m., Daily, except Sat., Sun.
Contented Program, 8 p.m., Monday.
Enna Jettick, 8 p.m., Sunday.
Evening in Paris, 9:30 p.m., Monday.
Farm and Home, 12:30 p.m., Daily, except Sunday.
Friendly Five, 9:45 p.m., Friday.
Jack Frost, 8:30 p.m., Wednesday.
Frostila Rehearsal, 9:15 p.m., Monday.
Fuller Man, 9:30 p.m., Tuesday.
The Gachos, 11 p.m., Sunday.
G. E. Circle, noon Daily, except Saturday and Sunday.
Gerardine, 8:45 p.m., Tuesday.
Gold Medal, 9 p.m., Wednesday.
Edna Wallace Hopper, 10 p.m., Sunday.
Luden's Novelty, 7:30 p.m., Sunday.
Maxwell House, 9:30 p.m., Thursday.
McKesson Magazine, 9 p.m., Tuesday.
Mobiloil, 9:30 p.m., Wednesday.
Music That Satisfies, 10:30 Daily, except Sunday.
Nestle's Program, 8 p.m., Friday.
Parade of States, 9:30 p.m., Monday.
Pillsbury Pageant, 9 p.m., Friday.
Pond's Program, 9:30 p.m., Friday.
Reis & Dunn, 6:15 p.m., Tuesday.
RKO Theatre, 10:30 p.m., Friday.
Toscha Seidel, 11:15 p.m., Monday and Wednesday.
Voice of Thousand Shades, 10 p.m., Tuesday.
Simoniz Guardsmen, 5:30 p.m., Sunday.
Smith Bros., 8:30 p.m., Friday; 9:30 p.m., Saturday.
Sylvanians, 7:45 p.m., Sunday.
To the Ladies, 9:30 p.m., Friday.
Trumpeters, 10 p.m., Thursday.
Venida, Willie Robyn, 1:45 p.m., Sunday.
Vitality, 10 p.m., Wednesday.
Willys-Overland, 7 p.m., Sunday.
Yeast Foamers, 2:30 p.m., Sunday.

QUARTETTES

Bayuk Stags, 9:15 p.m., Sunday.
Four Clubmen, 8:30 p.m., Monday.
Dixie Spirituals, 8 p.m., Thursday.
Heel Huggers, 8:30 p.m., Tuesday.
Lumber Jacks, 7 p.m., Monday and Thursday.
Mills Bros., 9 p.m., Monday and Thursday.

RELIGIOUS

Cathedral Hour, 1 p.m., Sunday.
Catholic Hour, 6 p.m., Sunday.

Chicago Knights, 6 p.m., Sunday.
 Church of the Air, 2:30 p.m., Sunday.
 Dr. Fodick, 5 p.m., Sunday.
 Hymn Sing, 7 p.m., Tuesday.
 Morning Devotions, 8:15 a.m., Daily, except Sunday.
 National Youth Conference, 3 p.m., Sunday.
 Seth Parker, 10:45 p.m., Sunday.

SINGERS

Ben Alley, 11:45 a.m., Daily, Except Wed., Sat., Sun.
 Irene Beasley, 9:15 p.m., Thursday.
 Connie Boswell, 6:30 p.m., Thursday; 6:45 p.m., Saturday.
 Boswell Sisters, 7:30 p.m., Monday, Wednesday, Friday.
 Russ Columbo, 5:45 p.m., Mon., Thurs., Fri.; 10 p.m., Tues., Wed., Sat.
 Bing Crosby, 7:15 and 11 p.m., Daily, except Sunday.
 Morton Downey, 7:45 and 11:30 p.m., Daily, except Sun.
 Fisk University Chorus, 9 p.m., Sunday.
 Marion Harris, 11 p.m., Tuesday and Saturday.
 Elsie Janis, 7:45 p.m., Wednesday and Friday.
 Art Jarrett, 6:45 p.m., Mon., Wed.; 6 p.m., Tues.; 9:45 p.m., Sat.
 Alice Joy, 7:30 and 11:15 p.m., Daily, except Sunday.
 Vaughn de Leath, 6:15 p.m., Mon.; 6:45 p.m., Fri.; 8:45 p.m., Sat.
 Jack Miller, 10:45 p.m., Tuesday, Thursday and Saturday.
 Modern Male Chorus, 10:15 p.m., Wednesday.
 Vivien Ruth, 10:45 p.m., Friday.
 Sanderson-Crumit, 8 p.m., Tuesday; 9 p.m., Thursday.
 Singing Sam, 8:15 p.m., Monday, Wednesday and Friday.
 Kate Smith, 8:30 p.m., Mon., Tues., Wed., Thurs.
 Street Singer, 10:45 p.m., Mon., Wed.; 12:45 p.m., Sun.; 9 p.m., Fri.
 Lawrence Tibbett, 8:30 p.m., and 11:30 p.m., Monday.

TALKS

Back of the News, 7:45 p.m., Tuesday.
 Believe It or Not, 7:45 p.m., Wednesday and Friday.
 Business Fallacies, 7:45 p.m., Thursday.
 Crime, 7 p.m., Friday.
 Current Events, 6:30 p.m., Thursday.
 Halsey-Stewart, 9 p.m., Wednesday.
 Hoosier Editor, 8:30 p.m., Saturday.
 International Broadcast, 12:30 p.m., Sunday.
 Kaltenborn, 6 p.m., Monday; 7:30 p.m., Tues., Thur.
 Angelo Patri, 8:45 p.m., Sunday and Thursday.
 Great Personalities, 9:30 p.m., Tuesday.
 Political Situation, 7 p.m., Saturday.
 Public Affairs, 10 p.m., Saturday.
 Radio in Education, 8:30 p.m., Saturday.
 Nellie Revell, 11 p.m., Wednesday.
 Safeguard Society, 7:15 p.m., Saturday.
 Margaret Santry, 8 p.m., Daily, except Sat. and Sun.
 Sentinels of Republic, 1 p.m., Sunday.
 School of the Air, 2:30 p.m., Daily, except Sat. and Sun.
 Lowell Thomas, 6:45 p.m., Daily, except Sat. and Sun.
 Travelog, 4 p.m., Sunday.
 Count Von Luckner, 9:30 p.m., Sunday.
 World's Business, 7 p.m., Sunday.

State	City	Call	Kcys.	Watts
Iowa	Boone	KFGQ	1310	100
	Sunday, 5-6 a.m.; 2:30-4 p.m.; 7:30-9:00 p.m.; 11-12 p.m., CST.			
Kansas	Kansas City	WLBK	1420	100
	Daily, 5-6 a.m.; 8:30-9 a.m.; 1:30-2:30 p.m. (Thursdays on till midnight.)			
Maryland	Baltimore	WCAO	600	250
	Daily, 6:30 a.m.-11 p.m., CST.			
Massachusetts	Worcester	WTAG	580	250
	Sunday, 9 a.m.-12 mid., EST. Daily, 7 a.m.-12 mid.			
Michigan	E. Lansing	WKAR	1040	1000
	Sunday, 10:30 a.m.-11:15 p.m., EST. DX every Sunday, 1-1:30 a.m.			
New Jersey	Ludington	WKBZ	1500	50
	Jersey City	WAAT	940	300
New York	Binghamton	WBNF	1500	100
	Brooklyn	WMIL	1500	100
North Dakota	Grand Forks	KFJM	1370	100
	Marshallfield	KOOS	1370	100
Oregon	Grand Forks	KFJM	1370	100
	Marshallfield	KOOS	1370	100
Pennsylvania	Philadelphia	WRAX	1020	250
	Watertown	KGCR	1210	100
South Dakota	Watertown	KGCR	1210	100
	Greenville	KFPM	1310	15
Texas	Brownsville	KWWG	1260	500
	Houston	KTRH	1120	500
Virginia	Emory	WEHC	1350	500
	Petersburg	WLBG	1200	100
Washington	Emory	WEHC	1350	500
	Greenville	KFPM	1310	15
Alberta	Edmonton	CKUA	580	500
	Edmonton	CKUA	580	500
Arizona	Tucson	KGAR	1370	100
	Tucson	KGAR	1370	100
California	Santa Ana	KREG	1500	100
	Red Deer	CKLC	840	1000
Idaho	Nampa	KFXD	1420	100
	Quincy	WTAD	1440	500
Illinois	Quincy	WTAD	1440	500
	Connersville	WKBY	1500	100
Indiana	Connersville	WKBY	1500	100
	Victoria	CFCT	630	500

Their Time On the Air

Your Zone	Where Time is Given as			
	EST	CST	MST	PST
EST	.....	Add 1 hr.	Add 2 hrs.	Add 3 hrs.
CST	Subt. 1 hr.	.....	Add 1 hr.	Add 2 hrs.
MST	Subt. 2 hrs.	Subt. 1 hr.	.....	Add 1 hr.
PST	Subt. 3 hrs.	Subt. 2 hrs.	Subt. 1 hr.	.....

State	City	Call	Kcys.	Watts
Arizona	Tucson	KGAR	1370	100
	Sunday, 11 a.m.-11 p.m., MST. Daily, 7 a.m.-1:30 p.m.; 4-11 p.m.			
California	Santa Ana	KREG	1500	100
	Sunday, 9:30 a.m.-12:15 p.m.; 7-9 p.m., PST. Daily, 9:15 a.m.-11 p.m.			
Idaho	Nampa	KFXD	1420	100
	Sunday, 9:30 a.m.-8 p.m., MST. Daily, 7 a.m.-9 p.m.			
Illinois	Quincy	WTAD	1440	500
	Sunday, 12:30-1:30 p.m.; 3:30-5:30 p.m.; 7-9 p.m., CST. Daily, 10 a.m.-1 p.m.; 3-5 p.m.; 7-9 p.m.			
Indiana	Connersville	WKBY	1500	100
	Daily, 10 a.m.-12 n.; 6-10 p.m., CST.			

Colonel Stoopnagle

(Continued from page 30)

"I took piano lessons for seven years in Buffalo," he told me. "But I have gone steadily back from the seventh to the first ever since."

The Colonel has a busy year ahead with his typewriter. He is the author of all of the Stoopnagle and Budd sketches and is now entering the newspaper and magazine field. Beacon syndicate will soon have a series on Stoopnagle inventions, such as the sieve without holes. These will be thumbnail size. Beginning with the April issue of a detective magazine, he will become the author of a series of comedy detective yarns, later to be published in book form. This effort will have striking photographic features. The Colonel will appear before the camera as all of the characters. Reading in both and all directions, both reader and photographer will have to cover a lot of ground, the Colonel admits.

"I make a dandy torso," he grins.

Not many who listen to the Colonel's fun on the air would not believe that he is the author of serious literature. But his first radio effort consisted of fifty "five-minute" talks on fixed investment trusts for a trust company and broadcast over a Buffalo station.

Bing Crosby, Mr. Hulick told me, was his own most popular imitation, both on the air and on the stage.

"I used to imitate Bing long before I mimicked him before a microphone," he told me. He was always a great favorite of mine and I found that nearly every one else likes him best, too, during our recent vaudeville tours in RKO theatres. Cab Calloway is in demand too. Calloway makes a hit because he is the exact opposite of everything you expect in singing these days. He is the antithesis of the crooner and above all, he knows rhythm, always sure-fire.

"For the rest eighty-five percent of my job with the Gloomchasers, of course, is belittling Stoopnagle by chuckling and laughing at his pomposness, calling him 'the good old Colonel' and guying him in other ways."

In a few weeks the team will leave on a tour of the Middle West, where they

are immensely popular. The itinerary goes as far as Kansas City. Broadcasts will be continued as usual, but the orchestra will be missing.

At that moment the door opened and a page brought in a letter from a fan who had just received a picture of the Colonel and Budd.

"You do not say which is which," this correspondent wrote, "but I suppose the Colonel is the one with the intelligent face and Budd is the one with the kind face."

The Colonel's broad shoulders shook. "Never let him know its the other way round," he chuckled.

Betty's Stars

(Continued from page 6)

Bernie's music had failed to move the house. The native made several scathing remarks. Bernie talked back. The crowd roared and demanded more. Ben knew, now, what they wanted and he soon was teamed with Phil Baker. It was comedy, nothing else but. The pay checks improved. The partnership continued until wartime, when the Bernie and Baker paths separated.

Immediately after the war Ben was seized with an idea for a new type of dance band, a novelty band, with the conductor doing something besides beating the air with a baton. From the offset the result of the idea was big-time and headline vaudeville.

Booked into the Hotel Roosevelt grill in New York for a month, Ben and his band stayed on for five years. London and Hollywood came to know the aggregation—then came Chicago. At present indications point to a Chicago epidemic of Bernie-itis sufficiently widespread to keep the "Old Maestro" in the midwest metropolis for many a year. Depression to the contrary, he is packing them in, night after night, at the College Inn. "I hope you like it," a by-word wherever Bernie has played, has now become a catch-phrase throughout the country, due to Bernie's broadcasts over a coast-to-coast network.

You may hear Ben Bernie at 9 p.m. EST Tuesdays, also at midnight on Mondays and Fridays.

FAVORITE LOCAL PROGRAMS

Time Station Dials Feature Time Station Dials Feature

DAILY

WEDNESDAY

SUNDAY

THURSDAY

MONDAY

FRIDAY

TUESDAY

SATURDAY



Sometimes I think there ought to be a law to make everyone do a little studying every week. I didn't think that a year ago because it looked like all the cards were stacked against me. But I am certainly rolling in the money now. Maybe my story will show you the way to larger earnings, also.

I Thought Radio Was a Plaything

But Now My Eyes Are Opened, and I'm Making Over \$100.00 a Week!

\$50 a week! Man alive a year ago I thought anyone making that much was just plain lucky.

Twelve months ago I was just barely getting by. It was the same old story—a little job; a salary as small as the job.

If you had told me that twelve months later I would be making \$100 a week in my own Radio business—I'd thought you were crazy.

But I am getting ahead of my story—let me tell you how it all started. I was hard up a year ago because I had been kidding myself—that's all—not because I had to be. I thought a fellow either had to be lucky or have a string of college degrees a half a mile long to make good money.

One day I picked up a magazine and the headline of an ad attracted me because it seemed to fit my case. It said, "I will show you how to start a spare time or full time Radio business of your own WITHOUT CAPITAL."

"They're trying to kid somebody," I thought, "but I'll find out what it is all about anyway."

I wrote in and within a few days received a 64-page book telling about the opportunities in Radio, how I could prepare right at home in my spare time, and how they would show me how to start making money in my neighborhood selling and repairing Radio sets and doing other jobs. It would probably have sounded too good to be true if the promises had not been backed up by 100 letters from fellows who had taken their course and were very enthusiastic about it.

What has happened since seems almost like a dream to me now. I took their course and in about a month I was ready to start making money in my neighborhood—as much as \$20 and \$30 a week! It wasn't long until I had saved enough money to start a little business of my own.

That business has since grown to the point where I am clearing an average of \$100 a week. All this took place under the watchful guidance of my friends at the National Radio Institute. They also offered to train me for other lines—in case I wasn't interested in having my own business. Broadcasting stations, Radio Manufacturers, Operating on Board Ship, Servicing Sets, Aircraft Radio, Tele-

vision and Talking Movies are other fields their training covers. And to think, until the day I wrote for that book, I'd been wailing, "I have never had a chance—will never have one because I have no pull and have never had the advantage of a good education!"

Friend—you may not be as bad off as I was—but think it over—are you satisfied? Are you making as much money as you need? Would you sign a contract to stay where you are for the next ten years at the same salary? Those are the things you have to think about—because no one is going to make it his business to push you ahead—you must make it your own business.

Take my tip—write for their book. It won't cost you anything—only a two-cent stamp. It shows you a lot of things which I don't believe you know now—a lot of facts and figures on the opportunities in this new, fast-growing field. Where the jobs are, what they pay, how to get ready for one. Beginners as well as experienced men are making as much as \$1,000 to \$2,000 a year more as a result of N. R. I. training. You place yourself under no obligation because the book is free and is gladly sent to anyone who is ambitious and wants to get ahead. Just address J. E. Smith, President National Radio Institute, Dept. 2CO, Washington, D. C.

J. E. SMITH, President
National Radio Institute,
Dept. 2CO, Washington, D. C.

Dear Mr. Smith:

Send me your 64-page free book, which gives information on the opportunities in Radio—Operating on Board Ship, in Broadcasting Stations, Commercial Land Stations, Set Servicing, Radio Manufacturing, Aircraft Radio, Television and Talking Movies. I understand this request places me under no obligation and no salesman will call on me.

Name.....

Address.....

City..... State.....