

DIAL LOCATIONS



*For*

UNITED STATES  
BROADCAST  
★ STATIONS ★

*25¢*

TUNG-SOL  
RADIO TUBES



# TUNG-SOL

## *United States Radio Log*

By order of the Federal Communications Commission, most of the broadcast stations of the United States have been assigned new wave-lengths in an effort to clear up overcrowded channels, reduce station interference and improve reception for the greatest possible number of radio listeners. This book gives correct dial locations for all stations. Slight changes may occur from time to time, but they will be of minor importance.

### **HOW TO GET THE BEST OUT OF YOUR RADIO**

**BY R. E. CARLSON**

Vice-President in Charge of Sales, Tung-Sol Lamp Works Inc.

Radio has become a part of the American way of life, and we accept without question its almost unbelievable wonders. That millions of dollars should be spent every year to entertain, instruct and inspire us now seems a commonplace fact.

All we have to do in order to bring the finest in music, the most famous comedians, the most up-to-the-minute news right into the home, to say nothing of endless offers of cash prizes, is to have efficient radio sets through which to receive these programs and then KEEP them efficient.

If somebody gave you a ticket to the Metropolitan Opera, or to the leading Broadway musical show, you wouldn't deliberately stop up your ears because the ticket was free, would you?

Yet many, through carelessness or neglect, permit their radio receivers to operate at a fraction of their efficiency, so that programs costing big money come through with small effect.

You don't wait until your car stops running before you change the oil or replace spark plugs—don't wait until your radio goes completely dead before having it serviced.

Radio service is surprisingly inexpensive and a radio check-up is a real economy, a big value in improved reception. Let the Tung-Sol dealer from whom you receive this book have a chance to show you what he can do to give you fine reception from your present set. He has been selected for the Tung-Sol franchise because he is a qualified radio technician and a competent business man. He prefers Tung-Sol Tubes because they are precision-engineered, vibration-tested and distributed through dealers qualified for service.

The photographs of the radio stars herein appear by courtesy of the broadcasting companies; N. B. C. stars, courtesy of National Broadcasting Company; C. B. S. stars, courtesy of Columbia Broadcasting System. Other data supplied by the Federal Communications Commission, Washington, D. C.

**TUNG-SOL LAMP WORKS INC.**

Radio Tube Division, NEWARK, N. J.

# UNITED STATES BROADCASTING STATIONS

Alphabetically by Call Letters

Station	Dial Location	City	Watts	Station	Dial Location	City	Watts
KABC	1450	San Antonio, Texas	250	KFBK	1530	Sacramento, Calif.	10000
KABR	1420	Aberdeen, S. Dak.	5000	KFDA	1230	Amarillo, Texas	250
KADA	1230	Ada, Okla.	250	KFDM	560	Beaumont, Texas	1000
KALB	1240	Alexandria, La.	250	KFDY	790	Brookings, S. D.	1000
KALE	1330	Portland, Ore.	5000	KFEL	950	Denver, Colo.	1000
KAND	1340	Corsicana, Texas	250	KFEQ	680	St. Joseph, Mo.	500
KANS	1240	Wichita, Kans.	250	KFGQ	1400	Boone, Iowa	250
KARK	920	Little Rock, Ark.	5000	KFH	1330	Wichita, Kans.	5000
KARM	1340	Fresno, Calif.	250	KFI	640	Los Angeles, Calif.	50000
KASA	1240	Elk City, Okla.	250	KFIO	1150	Spokane, Wash.	100
KAST	1230	Astoria, Ore.	250	KFIZ	1450	Fond du Lac, Wis.	250
KATE	1450	Albert Lea, Minn.	250	KFJB	1230	Marshalltown, Iowa	250
KAWM	1490	Gallup, N. Mex.	250	KFJI	1240	Klamath Falls, Ore.	250
KBIX	1490	Muskogee, Okla.	250	KFJM	1440	Grand Forks, N. D.	500
KBKR	1490	Baker, Ore.	250	KFJZ	1270	Fort Worth, Texas	1000
KBND	1340	Bend, Ore.	250	KFKA	910	Greeley, Colo.	500
KBPS	1450	Portland, Ore.	250	KFKU	1250	Lawrence, Kans.	1000
KBST	1490	Big Spring, Texas	250	KFNF	920	Shenandoah, Iowa	500
KBTM	1230	Jonesboro, Ark.	250	KFOR	1240	Lincoln, Neb.	250
KCKN	1340	Kansas City, Kans.	250	KFOX	1280	Long Beach, Calif.	1000
KCMC	1450	Texarkana, Texas	250	KFPL	1340	Dublin, Texas	250
KCMO	1480	Kansas City, Mo.	5000	KFPW	1400	Fort Smith, Ark.	250
KCRC	1390	Enid, Okla.	250	KFPY	920	Spokane, Wash.	5000
KCRJ	1340	Jerome, Ariz.	250	KFQD	790	Anchorage, Alaska	250
KDAL	1490	Duluth, Minn.	250	KKFC	610	San Francisco, Calif.	5000
KDB	1490	Santa Barbara, Calif.	250	KKFR	1370	Longview, Texas	1000
KDFN	1470	Casper, Wyo.	500	KKRU	1400	Columbia, Mo.	250
KDKA	1020	Pittsburgh, Pa.	50000	KKSD	600	San Diego, Calif.	5000
KDLR	1240	Devils Lake, N. D.	250	KKSG	1150	Los Angeles, Calif.	1000
KDNT	1450	Denton, Texas	250	KKUN	1450	Las Vegas, Nev.	250
KDON	1240	Monterey, Calif.	250	KFUO	850	Clayton, Mo.	1000
KDRO	1490	Sedalia, Mo.	250	KFVD	1020	Los Angeles, Calif.	1000
KDTH	1370	Dubuque, Iowa	1000	KFVS	1400	Cape Girardeau, Mo.	250
KDYL	1320	Salt Lake City, Utah	1000	KFWB	980	Los Angeles, Calif.	5000
KECA	790	Los Angeles, Calif.	1000	KFXD	1230	Nampa, Idaho	250
KELA	1470	Centralia, Wash.	1000	KFXJ	1230	Grand Junction, Colo.	250
KELD	1400	El Dorado, Ark.	250	KFXM	1240	San Bernardino, Calif.	250
KELO	1230	Sioux Falls, S. Dak.	250	KFYO	1340	Lubbock, Texas	250
KENO	1400	Las Vegas, Nev.	250	KFYR	550	Bismarck, N. D.	1000
KERN	1410	Bakersfield, Calif.	1000	KGA	1510	Spokane, Wash.	5000
KEUB	1450	Price, Utah	250	KGB	1360	San Diego, Calif.	1000
KEVR	1400	Seattle, Wash.	250	KGBU	930	Ketchikan, Alaska	500
KEX	1190	Portland, Ore.	5000	KGBX	1260	Springfield, Mo.	5000
KFAB	1110	Lincoln, Neb.	10000	KGCA	1300	Decorah, Iowa	100
KFAC	1330	Los Angeles, Calif.	1000	KGCU	1270	Mandan, N. D.	250
KFAM	1450	St. Cloud, Minn.	250	KGCX	1480	Wolf Point, Mont.	1000
KFAR	610	Fairbanks, Alaska	1000	KGDE	1230	Fergus Falls, Minn.	250
KFBB	1310	Great Falls, Mont.	1000	KGDM	1130	Stockton, Calif.	1000
KFBC	1450	Cheyenne, Wyo.	250	KGDK	1230	Sterling, Colo.	250
KFBI	1070	Wichita, Kans.	1000	KGER	1390	Long Beach, Calif.	1000



Irene Rich  
N. B. C.



Tom Wallace  
N. B. C.



Margaret Speaks  
N. B. C.



H. V. Kaltenbc.n  
N. B. C.

Station	Dial Location	City	Watts
KGEZ	1340	Kalispell, Mont.	250
KGFF	1450	Shawnee, Okla.	250
KGFI	1490	Brownsville, Texas.	250
KGfJ	1230	Los Angeles, Calif.	250
KGFL	1400	Roswell, N. Mex.	250
KGfV	1340	Kearney, Neb.	250
KGfX	630	Pierre, S. D.	200
KGfG	690	Coffeyville, Kans.	1000
KGfGM	1260	Albuquerque, N. M.	1000
KGfH	1350	Pueblo, Colo.	500
KGfI	1230	Little Rock, Ark.	250
KGfL	790	Billings, Mont.	1000
KGfR	1370	Butte, Mont.	5000
KGfW	1450	Alamosa, Colo.	250
KGfK	1490	Tyler, Texas.	250
KGfL	1400	San Angelo, Texas.	250
KGfO	570	Fort Worth, Texas.	1000
KGfY	1490	Scottsbluff, Neb.	250
KGfO	1240	Mason City, Iowa.	250
KGfU	1450	Safford, Ariz.	250
KGfMB	590	Honolulu, T. H.	5000
KGfNC	1440	Amarillo, Texas.	1000
KGfNF	1450	North Platte, Neb.	1000
KGfNO	1370	Dodge City, Kans.	250
KGfO	810	San Francisco, Calif.	7500
KGfU	760	Honolulu, T. H.	2500
KGfVO	1290	Missoula, Mont.	1000
KGfW	620	Portland, Ore.	1000
KGfY	1240	Olympia, Wash.	250
KHfAS	1230	Hastings, Nebr.	250
KHfBC	1230	Hilo, T. H.	250
KHfBG	1240	Okmulgee, Okla.	250
KHfJ	930	Los Angeles, Calif.	5000
KHfQ	590	Spokane, Wash.	5000
KHfSL	1290	Chico, Calif.	500
KHfUB	1340	Watsonville, Calif.	250
KIcA	1400	Clovis, N. M.	250
KIcD	1350	Idaho Falls, Idaho.	500
KIcO	1380	Boise, Idaho.	1000
KIcW	1450	Lamar, Colo.	250
KIcM	1480	Eureka, Calif.	500
KIcV	870	Glendale, Calif.	250
KIcY	1460	Juneau, Alaska.	1000
KIcRO	710	Seattle, Wash.	10000
KIcT	1280	Yakima, Wash.	1000
KIcTE	1590	Kansas City, Mo.	1000
KIcUL	1240	Garden City, Kans.	250
KIcUN	1400	Pecos, Texas.	250
KIcUP	1400	Durango, Colo.	250
KIcBS	1100	San Francisco, Calif.	500
KIcR	1000	Seattle, Wash.	5000
KIcLH	1240	Carlsbad, N. Mex.	250
KIcLB	1450	La Grande, Ore.	250
KIcLN	1320	Blytheville, Ark.	100
KIcLO	1430	Ogden, Utah.	5000
KIcLPM	1390	Minot, N. D.	500
KIcLRA	1420	Little Rock, Ark.	5000
KIcLS	1310	Oakland, Calif.	250
KIcLUF	1400	Galveston, Texas.	250
KIcLX	910	Oakland, Calif.	1000
KIcLZ	560	Denver, Colo.	5000

Station	Dial Location	City	Watts
KMA	960	Shenandoah, Iowa.	1000
KMAC	1400	San Antonio, Texas.	250
KMBC	980	Kansas City, Mo.	5000
KMED	1440	Medford, Ore.	250
KMJ	580	Fresno, Calif.	5000
KMLB	1230	Monroe, La.	250
KMMJ	750	Grand Island, Neb.	1000
KMO	1360	Tacoma, Wash.	1000
KMOX	1120	St. Louis, Mo.	50000
KMPC	710	Beverly Hills, Calif.	5000
KMTR	570	Los Angeles, Calif.	1000
KMYC	1450	Marysville, Calif.	250
KMYR	1340	Denver, Colo.	250
KNEL	1490	Brady, Texas.	250
KNET	1450	Palestine, Texas.	250
KNOW	1490	Austin, Texas.	250
KNX	1070	Los Angeles, Calif.	50000
KOA	850	Denver, Colo.	50000
KOAC	550	Corvallis, Ore.	1000
KOAM	810	Pittsburg, Kans.	1000
KOB	1030	Albuquerque, N. M.	50000
KOBH	1400	Rapid City, S. Dak.	250
KOCA	1240	Kilgore, Texas.	250
KOCY	1340	Oklahoma City, Okla.	250
KODL	1230	The Dalles, Ore.	250
KOH	630	Reno, Nev.	1000
KOIL	1290	Omaha, Neb.	1000
KOIN	970	Portland, Ore.	5000
KOKO	1400	La Junta, Colo.	250
KOL	1300	Seattle, Wash.	1000
KOMA	1520	Oklahoma City, Okla.	5000
KOME	1340	Tulsa, Okla.	250
KOMO	950	Seattle, Wash.	1000
KONB	1490	Omaha, Nebr.	250
KONO	1400	San Antonio, Texas.	250
KOOS	1230	Marshfield, Ore.	250
KORE	1450	Eugene, Ore.	250
KORN	1400	Fremont, Nebr.	250
KOTN	1490	Pine Bluff, Ark.	250
KOVc	1490	Valley City, N. Dak.	250
KOVO	1240	Provo, Utah.	250
KOWH	660	Omaha, Nebr.	500
KOY	550	Phoenix, Ariz.	1000
KPAB	1490	Laredo, Texas.	250
KPAC	1250	Port Arthur, Texas.	500
KPDN	1340	Pampa, Texas.	250
KPFA	1240	Helena, Mont.	250
KPHO	1230	Phoenix, Ariz.	250
KPLC	1490	Lake Charles, La.	250
KPLT	1490	Paris, Texas.	250
KPMC	1600	Bakersfield, Calif.	1000
KPO	680	San Francisco, Calif.	50000
KPOF	910	Denver, Colo.	1000
KPPC	1240	Pasadena, Calif.	250
KPO	1490	Wenatchee, Wash.	250
KPRC	950	Houston, Texas.	1000
KQV	1410	Pittsburgh, Pa.	1000
KQW	740	San Jose, Calif.	5000
KRBA	1340	Lufkin, Texas.	250
KRBC	1450	Abilene, Texas.	250
KRBM	1450	Bozeman, Mont.	250



Mary Small  
N. B. C.



Phil Spitalny  
N. B. C.



Alice Frost  
C. B. S.



Lowell Thomas  
N. B. C.

Station	Dial Location	City	Watts	Station	Dial Location	City	Watts
KRE	1400	Berkeley, Calif.	250	KVAN	910	Vancouver, Wash.	250
KRGV	1290	Weslaco, Texas	1000	KVCV	1230	Redding, Calif.	250
KRIC	1450	Beaumont, Texas.	250	KVEC	1230	San Luis Obispo, Calif.	250
KRIS	1360	Corpus Christi, Texas.	500	KVFD	1400	Fort Dodge, Iowa	250
KRJF	1340	Miles City, Mont.	250	KVGB	1400	Great Bend, Kans.	250
KRKD	1150	Los Angeles, Calif.	1000	KVI	570	Tacoma, Wash.	5000
KRKO	1400	Everett, Wash.	250	KVIC	1340	Victoria, Texas	250
KRLC	1420	Lewiston, Idaho	250	KVNU	1230	Logan, Utah	250
KRLD	1080	Dallas, Texas.	50000	KVOA	1290	Tucson, Ariz.	1000
KRLH	1450	Midland, Texas.	250	KVOD	630	Denver, Colo.	1000
KRMC	1400	Jamestown, N. Dak.	250	KVOE	1490	Santa Ana, Calif.	250
KRMD	1340	Shreveport, La.	250	KVOL	1340	Lafayette, La.	250
KRNR	1490	Roseburg, Ore.	250	KVOO	1170	Tulsa, Okla.	25000
KRNT	1350	Des Moines, Iowa	1000	KVOR	1300	Colo. Springs, Colo.	1000
KROC	1340	Rochester, Minn.	250	KVOS	1230	Bellingham, Wash.	250
KROD	1490	El Paso, Texas.	250	KVOX	1340	Moorhead, Minn.	250
KROW	960	Oakland, Calif.	1000	KVRS	1400	Rock Springs, Wyo.	250
KROY	1240	Sacramento, Calif.	250	KVSF	1340	Santa Fe, N. Mex.	250
KRRV	910	Sherman, Texas	1000	KVSO	1240	Ardmore, Okla.	250
KRSC	1150	Seattle, Wash.	1000	KVWC	1490	Vernon, Texas.	250
KSAC	580	Manhattan, Kans	500	KWAL	1450	Wallace, Idaho	250
KSAL	1150	Salina, Kans.	500	KWAT	1240	Watertown, S. Dak.	250
KSAM	1490	Huntsville, Texas.	250	KWBG	1450	Hutchinson, Kans.	250
KSAN	1450	San Francisco, Calif.	250	KWEW	1490	Hobbs, N. Mex.	250
KSCJ	1360	Sioux City, Iowa.	5000	KWFC	1340	Hot Springs, Ark.	250
KSD	550	St. Louis, Mo.	1000	KWFT	620	Wichita Falls, Texas.	1000
KSEI	930	Pocatello, Idaho	250	KWG	1230	Stockton, Calif.	250
KSFO	560	San Francisco, Calif.	1000	KWJB	1240	Globe, Ariz.	250
KSL	1160	Salt Lake City, Utah.	50000	KWJJ	1080	Portland, Ore.	500
KSLM	1390	Salem, Ore.	1000	KWK	1380	St. Louis, Mo.	5000
KSO	1460	Des Moines, Iowa.	1000	KWKH	1130	Shreveport, La.	50000
KSOO	1140	Sioux Falls, S. Dak.	5000	KWLC	1300	Decorah, Iowa	100
KSRO	1340	Santa Rosa, Calif.	250	KWLK	1400	Longview, Wash.	250
KSTP	1500	St. Paul, Minn.	50000	KWLM	1340	Willmar, Minn.	250
KSUB	1340	Cedar City, Utah	250	KWNO	1230	Winona, Minn.	250
KSUN	1230	Lowell, Ariz.	250	KWOC	1340	Paplar Bluff, Mo.	250
KTAR	620	Phoenix, Ariz.	5000	KWOS	1340	Jefferson City, Mo.	250
KTBC	1150	Austin, Texas.	1000	KWSC	1250	Pullman, Wash.	5000
KTBS	1480	Shreveport, La.	1000	KWTO	560	Springfield, Mo.	5000
KTEM	1400	Temple, Texas.	250	KWYO	1400	Sheridan, Wyo.	250
KTFI	1270	Twin Falls, Idaho	1000	KXA	770	Seattle, Wash.	1000
KTHS	1090	Hot Springs, Ark.	10000	KXL	1450	Portland, Ore.	250
KTKC	920	Visalia, Calif.	1000	KXO	1490	El Centro, Calif.	250
KTMS	1250	Santa Barbara, Calif.	500	KXOK	630	St. Louis, Mo.	5000
KTOH	1490	Lihue, Hawaii	250	KXOX	1240	Sweetwater, Texas	250
KTOK	1400	Oklahoma City, Okla.	250	KXRO	1340	Aberdeen, Wash.	250
KTRB	860	Modesto, Calif.	250	KXYZ	1470	Houston, Texas.	1000
KTRH	1320	Houston, Texas.	1000	KYA	1260	San Francisco, Calif.	1000
KTRI	1450	Sioux City, Iowa.	250	KYAN	1400	Cheyenne, Wyo.	250
KTSA	550	San Antonio, Texas.	1000	KYCA	1490	Prescott, Ariz.	250
KTSM	1380	El Paso, Texas.	500	KYOS	1080	Merced, Calif.	250
KTSW	1400	Emporia, Kans.	250	KYSM	1230	Mankato, Minn.	250
KTUC	1400	Tucson, Ariz.	250	KYUM	1240	Yuma, Ariz.	250
KTUL	1430	Tulsa, Okla.	5000	KYW	1060	Philadelphia, Pa.	50000
KTW	1250	Seattle, Wash.	1000	WAAB	1440	Boston, Mass.	1000
KUIN	1340	Grants Pass, Ore.	250	WAAF	950	Chicago, Ill.	1000
KUJ	1400	Walla Walla, Wash.	250	WAAT	970	Jersey City, N. J.	1000
KUOA	1290	Siloam Springs, Ark.	5000	WABC	880	New York, N. Y.	50000
KUSD	920	Vermillion, S. Dak.	500	WABI	1230	Bangor, Maine	250
KUTA	1490	Salt Lake City, Utah.	250	WABY	1400	Albany, N. Y.	250
KVAK	1450	Atchison, Kans	250	WACO	1450	Waco, Texas.	250



Bing Crosby  
N. B. C.



Kate Smith  
C. B. S.



Lanny Ross  
C. B. S.



Bob Burns  
N. B. C.

Station	Dial Location	City	Watts
WADC	1350	Akron, Ohio	5000
WAGA	1480	Atlanta, Ga.	500
WAGF	1400	Dothan, Ala.	250
WAGM	1450	Presque Isle, Me.	250
WAIM	1230	Anderson, S. C.	250
WAIR	1280	Winston-Salem, N. C.	250
WAJR	1230	Morgantown, W. Va.	250
WAKR	1590	Akron, Ohio	1000
WALA	1410	Mobile, Ala.	1000
WALB	1260	Albany, Ga.	1000
WAML	1340	Laurel, Miss.	250
WAOV	1450	Vincennes, Ind.	250
WAPI	1070	Birmingham, Ala.	5000
WAPO	1150	Chattanooga, Tenn.	500
WARD	1430	Brooklyn, N. Y.	500
WARM	1400	Scranton, Pa.	250
WASH	1300	Grand Rapids, Mich.	500
WATL	1400	Atlanta, Ga.	250
WATN	1240	Watertown, N. Y.	250
WATR	1320	Waterbury, Conn.	250
WATW	1400	Ashland, Wis.	250
WAVE	970	Louisville, Ky.	5000
WAWZ	1380	Zarephath, N. J.	1000
WAYX	1230	Waycross, Ga.	250
WAZL	1450	Hazleton, Pa.	250
WBAA	920	West Lafayette, Ind.	500
WBAB	1230	Atlantic City, N. J.	250
WBAL	1090	Baltimore, Md.	50000
WBAP	820	Fort Worth, Texas	50000
WBAX	1240	Wilkes-Barre, Pa.	250
WBBC	1430	Brooklyn, N. Y.	500
WBBL	1240	Richmond, Va.	250
WBBM	780	Chicago, Ill.	50000
WBBR	1330	Brooklyn, N. Y.	1000
WBBZ	1230	Ponca City, Okla.	250
WBCM	1440	Bay City, Mich.	500
WBEN	930	Buffalo, N. Y.	5000
WBHP	1230	Huntsville, Ala.	250
WBIG	1470	Greensboro, N. C.	1000
WBIR	1240	Knoxville, Tenn.	250
WBLK	1400	Clarksburg, W. Va.	250
WBML	1240	Macon, Ga.	250
WBNS	1460	Columbus, Ohio	1000
WBNX	1380	New York, N. Y.	5000
WBNY	1400	Buffalo, N. Y.	250
WBOC	1490	Salisbury, Md.	250
WBOW	1230	Terre Haute, Ind.	250
WBRB	1240	Red Bank, N. J.	250
WBRC	960	Birmingham, Ala.	1000
WBRE	1340	Wilkes-Barre, Pa.	250
WBRK	1340	Pittsfield, Mass.	250
WBRW	1340	Welch, W. Va.	250
WBRY	1590	Waterbury, Conn.	1000
WBT	1110	Charlotte, N. C.	50000
WBTH	1400	Williamson, W. Va.	250
WBTM	1400	Danville, Va.	250
WBZ	1030	Boston, Mass.	50000
WBZA	1030	Boston, Mass.	1000
WCAD	1250	Canton, N. Y.	500
WCAE	1250	Pittsburgh, Pa.	5000
WCAL	770	Northfield, Minn.	5000

Station	Dial Location	City	Watts
WCAM	1310	Camden, N. J.	500
WCAO	600	Baltimore, Md.	500
WCAP	1310	Asbury Park, N. J.	500
WCAR	1130	Pontiac, Mich.	1000
WCAT	1230	Rapid City, S. Dak.	250
WCAU	1200	Philadelphia, Pa.	50000
WCAX	1230	Burlington, Vt.	250
WCAZ	1080	Carthage, Ill.	100
WCBA	1470	Allentown, Pa.	500
WCBD	1110	Chicago, Ill.	5000
WCBI	1400	Columbus, Miss.	250
WCBM	1400	Baltimore, Md.	250
WCBS	1450	Springfield, Ill.	250
WCBT	1230	Roanoke Rapids, N. C.	250
WCCO	830	Minneapolis, Minn.	50000
WCED	1230	Du Bois, Pa.	250
WCFL	1000	Chicago, Ill.	5000
WCHS	580	Charleston, W. Va.	5000
WCHV	1450	Charlottesville, Va.	250
WCKY	1530	Cincinnati, Ohio	50000
WCLE	610	Cleveland, Ohio	500
WCLO	1230	Janesville, Wis.	250
WCLS	1340	Joliet, Ill.	250
WCMI	1340	Ashland, Ky.	250
WCNC	1400	Elizabeth City, N. C.	250
WCNW	1490	Brooklyn, N. Y.	250
WCOA	1370	Pensacola, Fla.	500
WCOC	910	Meridian, Miss.	1000
WCOL	1230	Columbus, Ohio	250
WCOP	1150	Boston, Mass.	500
WCOS	1400	Columbia, S. C.	250
WCOU	1240	Lewiston, Maine	250
WCOV	1240	Montgomery, Ala.	250
WCPO	1230	Cincinnati, Ohio	250
WCRW	1240	Chicago, Ill.	250
WCSC	1390	Charleston, S. C.	500
WCSh	970	Portland, Me.	5000
WDAE	1250	Tampa, Fla.	5000
WDAF	610	Kansas City, Mo.	5000
WDAK	1340	West Point, Ga.	250
WDAN	1490	Danville, Ill.	250
WDAS	1400	Philadelphia, Pa.	250
WDAY	970	Fargo, N. Dak.	5000
WDBJ	960	Roanoke, Va.	1000
WDBO	580	Orlando, Fla.	5000
WDEF	1400	Chattanooga, Tenn.	250
WDEL	1150	Wilmington, Del.	250
WDEV	550	Waterbury, Vt.	1000
WDGY	1130	Minneapolis, Minn.	5000
WDLP	1230	Panama City, Fla.	250
WDMJ	1340	Marquette, Mich.	250
WDNC	1490	Durham, N. C.	250
WDOD	1310	Chattanooga, Tenn.	1000
WDRC	1360	Hartford, Conn.	5000
WDSM	1230	Superior, Wis.	250
WDSU	1280	New Orleans, La.	1000
WDWS	1400	Champaign, Ill.	250
WDZ	1050	Tuscola, Ill.	1000
WEAF	660	New York, N. Y.	50000
WEAN	790	Providence, R. I.	1000
WEAU	1070	Eau Claire, Wis.	1000



Artie Shaw  
N. B. C.



Frank Morgan  
N. B. C.



Burns and Allen  
N. B. C.



Arch Oboler  
N. B. C.

Station	Dial Location	City	Watts	Station	Dial Location	City	Watts
WEBC	1320	Duluth, Minn.	1000	WGAL	1490	Lancaster, Pa.	250
WEBO	1240	Harrisburg, Ill.	250	WGAN	560	Portland, Me.	5000
WEBR	1340	Buffalo, N. Y.	250	WGAR	1480	Cleveland, Ohio	1000
WEDC	1240	Chicago, Ill.	250	WGAU	1340	Athens, Ga.	250
WEED	1450	Rocky Mount, N. C.	250	WGBB	1240	Freeport, N. Y.	250
WEEL	590	Boston, Mass.	5000	WGBF	1280	Evansville, Ind.	1000
WEEU	850	Reading, Pa.	1000	WGBI	910	Scranton, Pa.	500
WELI	960	New Haven, Conn.	250	WGBR	1400	Goldsboro, N. C.	250
WELL	1400	Battle Creek, Mich.	250	WGCM	1240	Gulfport, Miss.	250
WENP	1340	Milwaukee, Wis.	250	WGES	1390	Chicago, Ill.	500
WEMP	890	Chicago, Ill.	50000	WGGA	1240	Gainesville, Ga.	250
WENY	1230	Elmira, N. Y.	250	WGH	1340	Newport News, Va.	250
WEOA	1400	Evansville, Ind.	250	WGIL	1400	Galesburg, Ill.	250
WERC	1490	Erie, Pa.	250	WGKV	1490	Charleston, W. Va.	250
WEST	1230	Easton, Pa.	250	WGL	1450	Fort Wayne, Ind.	250
WESX	1230	Salem, Mass.	250	WGMA	1240	Schenectady, N. Y.	250
WEVD	1330	New York, N. Y.	1000	WGN	720	Chicago, Ill.	50000
WEW	770	St. Louis, Mo.	1000	WGNB	1450	Gastonia, N. C.	250
WEXL	1340	Royal Oak, Mich.	250	WGNV	1250	Newburgh, N. Y.	250
WFAA	820	Dallas, Texas	50000	WGOV	1450	Valdosta, Ga.	250
WFAM	1230	South Bend, Ind.	250	WGPC	1450	Albany, Ga.	250
WFAS	1240	White Plains, N. Y.	250	WGR	550	Buffalo, N. Y.	1000
WFBC	1330	Greenville, S. C.	5000	WGRB	1230	Grand Rapids, Mich.	250
WFBG	1340	Altoona, Pa.	250	WGRG	1400	New Albany, Ind.	250
WFBL	1390	Syracuse, N. Y.	5000	WGRM	1240	Greenwood, Miss.	250
WFBM	1260	Indianapolis, Ind.	5000	WGST	920	Atlanta, Ga.	1000
WFBR	1300	Baltimore, Md.	1000	WGTC	1490	Greenville, N. C.	250
WFBI	1420	Pawtucket, R. I.	1000	WGTM	1340	Wilson, N. C.	250
WFDF	910	Flint, Mich.	1000	WGY	810	Schenectady, N. Y.	50000
WFEA	1370	Manchester, N. H.	500	WHA	970	Madison, Wis.	5000
WFHR	1340	Wisconsin Rapids, Wis.	250	WHA1	1240	Greenfield, Mass.	250
WFIG	1340	Sumter, S. C.	250	WHA2	980	Saginaw, Mich.	500
WFIL	560	Philadelphia, Pa.	1000	WHAM	1180	Rochester, N. Y.	50000
WFLA	620	Tampa, Fla.	5000	WHAS	840	Louisville, Ky.	50000
WFMD	930	Frederick, Md.	500	WHAT	1340	Philadelphia, Pa.	250
WFMJ	1450	Youngstown, Ohio	250	WHAZ	1330	Troy, N. Y.	1000
WFNC	1370	Fayetteville, N. C.	250	WHB	880	Kansas City, Mo.	1000
WFOR	1400	Hattiesburg, Miss.	250	WHBB	1450	Selma, Ala.	250
WFOY	1240	St. Augustine, Fla.	250	WHBC	1230	Canton, Ohio	250
WFPG	1450	Atlantic City, N. J.	250	WHBF	1270	Rock Island, Ill.	1000
WFTC	1230	Kinston, N. C.	250	WHBI	1280	Newark, N. J.	1000
WFTL	1400	Fort Lauderdale, Fla.	250	WHBL	1330	Sheboygan, Wis.	250
WFTM	1240	Fort Myers, Fla.	250	WHBQ	1400	Memphis, Tenn.	250
WFVA	1290	Fredericksburg, Va.	250	WHBU	1240	Anderson, Ind.	250
WGAC	1240	Augusta, Ga.	250	WHBY	1230	Appleton, Wis.	250

"Penny wise and pound foolish" . . . Saving on a cheap tube and losing on a fine concert . . . Use

VIBRATION TESTED

## TUNG-SOL RADIO TUBES

Noted for High Fidelity Reception



Don Ameche  
N. B. C.



Helen Hayes  
C. B. S.



Bergen and Charlie  
McCarthy N. B. C.



Horace Heidt  
N. B. C.

Station	Dial Location	City	Watts	Station	Dial Location	City	Watts
WHCU	870	Ithaca, N. Y.	1000	WISE	1400	Asheville, N. C.	250
WHDF	1400	Calumet, Mich.	250	WISN	1150	Milwaukee, Wis.	250
WHDH	850	Boston, Mass.	1000	WIZE	1340	Springfield, Ohio	250
WHDL	1450	Olean, N. Y.	250	WJAC	1400	Johnstown, Pa.	250
WHEB	750	Portsmouth, N. H.	1000	WJAG	780	Norfolk, Neb.	1000
WHEC	1460	Rochester, N. Y.	500	WJAR	920	Providence, R. I.	1000
WHFC	1450	Cicero, Ill.	250	WJAS	1320	Pittsburgh, Pa.	1000
WHIO	1290	Dayton, Ohio	1000	WJAX	930	Jacksonville, Fla.	1000
WHIP	1520	Hammond, Ind.	5000	WJBC	1230	Bloomington, Ill.	250
WHIS	1440	Bluefield, W. Va.	500	WJBK	1490	Detroit, Mich.	250
WHIZ	1240	Zonesville, Ohio	250	WJBO	1150	Baton Rouge, La.	1000
WHJB	620	Greensburg, Pa.	250	WJBW	1230	New Orleans, La.	250
WHK	1420	Cleveland, Ohio	5000	WJBY	1240	Gadsden, Ala.	250
WHKC	640	Columbus, Ohio	500	WJDX	1300	Jackson, Miss.	1000
WHKY	1400	Hickory, N. C.	250	WJEF	1240	Hagerstown, Md.	250
WHLB	1400	Virginia, Minn.	250	WJHL	910	Johnson City, Tenn.	1000
WHLD	1290	Niagara Falls, N. Y.	1000	WJHO	1400	Opelika, Ala.	250
WHLS	1450	Port Huron, Mich.	250	WJHP	1320	Jacksonville, Fla.	250
WHMA	1450	Anniston, Ala.	250	WJIM	1240	Lansing, Mich.	250
WHN	1050	New York, N. Y.	1000	WJJD	1160	Chicago, Ill.	20000
WHO	1040	Des Moines, Iowa	50000	WJLS	1240	Beckley, W. Va.	250
WHOM	1560	Jersey City, N. J.	500	WJMC	1240	Rice Lake, Wis.	250
WHOP	1230	Hopkinsville, Ky.	250	WJMS	1450	Ironwood, Mich.	250
WHP	1460	Harrisburg, Pa.	1000	WJNO	1230	W. Palm Beach, Fla.	250
WHUB	1400	Cookeville, Tenn.	250	WJOB	1230	Hammond, Ind.	250
WIBA	1310	Madison, Wis.	1000	WJPF	1340	Herrin, Ill.	250
WIBC	1070	Indianapolis, Ind.	1000	WJPR	1340	Greenville, Miss.	250
WIBG	990	Glenside, Pa.	1000	WJR	760	Detroit, Mich.	50000
WIBM	1450	Jackson, Mich.	250	WJRD	1230	Tuscaloosa, Ala.	250
WIBU	1240	Poynette, Wis.	250	WJSV	1500	Washington, D. C.	50000
WIBW	580	Topeka, Kans.	5000	WJTN	1240	Jamestown, N. Y.	250
WIBX	1230	Utica, N. Y.	250	WJW	1240	Akron, Ohio	250
WICA	970	Ashtabula, Ohio	1000	WJZ	770	New York, N. Y.	50000
WICC	600	Bridgeport, Conn.	500	WKAQ	620	San Juan, P. R.	5000
WIL	1230	St. Louis, Mo.	250	WKAR	870	East Lansing, Mich.	5000
WILL	580	Urbana, Ill.	5000	WKAT	1360	Miami Beach, Fla.	1000
WILM	1450	Wilmington, Del.	250	WKBB	1490	Dubuque, Iowa	250
WIND	560	Gary, Ind.	1000	WKBBH	1410	LaCrosse, Wis.	1000
WING	1410	Dayton, Ohio	5000	WKBN	570	Youngstown, Ohio	500
WINN	1240	Louisville, Ky.	250	WKBO	1230	Harrisburg, Pa.	250
WINS	1000	New York, N. Y.	1000	WKBV	1490	Richmond, Ind.	250
WINX	1340	Washington, D. C.	250	WKBW	1520	Buffalo, N. Y.	5000
WIOD	610	Miami, Fla.	5000	WKBZ	1490	Muskegon, Mich.	250
WIP	610	Philadelphia, Pa.	5000	WKBU	1450	Griffin, Ga.	250
WIRE	1430	Indianapolis, Ind.	5000	WKIP	1450	Poughkeepsie, N. Y.	250
WIS	560	Columbia, S. C.	1000	WKNE	1290	Keene, N. H.	1000

A good set reconditioned is better than a cheap new one . . . See the franchised dealer in

## TUNG-SOL RADIO TUBES

VIBRATION TESTED



Toscanini  
N. B. C.



Howard Barlow  
C. B. S.



Dorothy Lamour  
N. B. C.



Kay Kyser  
N. B. C.



Station	Dial Location	City	Watts	Station	Dial Location	City	Watts
WKNY	1490	Kingston, N. Y.	250	WMCA	570	New York, N. Y.	1000
WKOK	1240	Sunbury, Pa.	250	WMEX	1510	Boston, Mass.	5000
WKPA	1150	New Kensington, Pa.	250	WMFD	1400	Wilmington, N. C.	250
WKPT	1400	Kingsport, Tenn.	250	WMFF	1340	Plattsburg, N. Y.	250
WKRC	550	Cincinnati, Ohio	1000	WMFG	1240	Hibbing, Minn.	250
WKST	1280	New Castle, Pa.	1000	WMFJ	1450	Daytona Beach, Fla.	250
WKY	930	Oklahoma City, Okla.	5000	WMFR	1230	High Point, N. C.	250
WKZO	590	Kalamazoo, Mich.	1000	WMGA	1400	Moultrie, Ga.	250
WLAC	1510	Nashville, Tenn.	5000	WMIN	1400	St. Paul, Minn.	250
WLAJ	620	Salina, N. Y.	1000	WMJM	1490	Cordele, Ga.	250
WLAK	1340	Lakeland, Fla.	250	WMMN	920	Fairmont, W. Va.	1000
WLAP	1450	Lexington, Ky.	250	WMOB	1230	Mobile, Ala.	250
WLAV	1340	Grand Rapids, Mich.	250	WMOG	1490	Brunswick, Ga.	250
WLAW	680	Lawrence, Mass.	5000	WMPC	1230	Lapeer, Mich.	250
WLB	770	Minneapolis, Minn.	5000	WMPS	1460	Memphis, Tenn.	500
WLBC	1340	Muncie, Ind.	250	WMRC	1490	Greenville, S. C.	250
WLBK	1340	Bowling Green, Ky.	250	WMRN	1490	Marion, Ohio	250
WLBL	930	Stevens Point, Wis.	5000	WMRO	1280	Aurora, Ill.	250
WLBZ	620	Bangor, Me.	500	WMSD	1450	Muscle Shoals, C., Ala.	250
WLEU	1450	Erie, Pa.	250	WMSL	1400	Decatour, Ala.	250
WLLH	1400	Lowell, Mass.	250	WMT	600	Cedar Rapids, Iowa	1000
WLNH	1340	Laconia, N. H.	250	WMVA	1450	Martinsville, Va.	250
WLQF	1230	Orlando, Fla.	250	WMWH	1450	Augusta, Ga.	250
WLOG	1230	Logan, W. Va.	250	WNAB	1450	Bridgeport, Conn.	250
WLOK	1240	Lima, Ohio	250	WNAC	1260	Boston, Mass.	5000
WLQJ	1330	Minneapolis, Minn.	1000	WNAD	690	Norman, Okla.	1000
WLPM	1450	Suffolk, Va.	250	WNAX	570	Yankton, S. D.	1000
WLS	890	Chicago, Ill.	5000	WNBC	1410	New Britain, Conn.	1000
WLTH	1430	New York, N. Y.	500	WNBK	1490	Binghamton, N. Y.	250
WLVA	1230	Lynchburg, Va.	250	WNBH	1340	New Bedford, Mass.	250
WLW	700	Cincinnati, Ohio	5000	WNBZ	1320	Saranac Lake, N. Y.	100
WMAL	630	Washington, D. C.	5000	WNEI	1320	San Juan, P. R.	5000
WMAM	570	Marquette, Wis.	250	WNEW	1280	New York, N. Y.	1000
WMAN	1400	Mansfield, Ohio	250	WNLC	1490	New London, Conn.	250
WMAQ	670	Chicago, Ill.	5000	WNOE	1450	New Orleans, La.	250
WMAS	1450	Springfield, Mass.	250	WNOX	990	Knoxville, Tenn.	1000
WMAZ	940	Macon, Ga.	1000	WNYC	830	New York, N. Y.	1000
WMBC	1400	Detroit, Mich.	250	WOAI	1210	San Antonio, Texas	5000
WMBD	1470	Pearia, Ill.	1000	WOC	1450	Davenport, Iowa	250
WMBG	1380	Richmond, Va.	1000	WOCB	1240	Hyannis, Mass.	250
WMBH	1450	Joplin, Mo.	250	WOI	640	Ames, Iowa	5000
WMBI	1110	Chicago, Ill.	5000	WOKO	1460	Albany, N. Y.	500
WMBO	1340	Auburn, N. Y.	250	WOL	1260	Washington, D. C.	1000
WMBR	1400	Jacksonville, Fla.	250	WOLF	1490	Syracuse, N. Y.	250
WMBS	590	Uniontown, Pa.	1000	WOLS	1230	Florence, S. C.	250
WMC	790	Memphis, Tenn.	1000	WOMI	1490	Owensboro, Ky.	250

Beautiful Concerts come in beautifully if you use . . .

## TUNG-SOL RADIO TUBES

VIBRATION TESTED

Noted for High Fidelity Reproduction



John Barbirolli  
C. B. S.



Glenn Miller  
N. B. C.



Rudy Vallee  
N. B. C.



Cecil B. DeMille  
C. B. S.

Station	Dial Location	City	Watts	Station	Dial Location	City	Watts
WOMT	1240	Manitowac, Wis.	250	WSGN	1340	Birmingham, Ala.	250
WOOD	1300	Grand Rapids, Mich.	500	WSIX	1240	Nashville, Tenn.	250
WOPI	1490	Bristol, Tenn.	250	WSJS	1340	Winston-Salem, N. C.	250
WOR	710	Newark, N. J.	50000	WSKB	1230	McComb, Miss.	250
WORC	1310	Worcester, Mass.	500	WSLB	1400	Ogdensburg, N. Y.	250
WORD	1400	Spartanburg, S. C.	250	WSLI	1450	Jackson, Miss.	250
WORK	1350	York, Pa.	1000	WSLS	1490	Roanoke, Va.	250
WORL	950	Boston, Mass.	500	WSM	650	Nashville, Tenn.	50000
WOSU	570	Columbus, Ohio	1000	WSMB	1350	New Orleans, La.	5000
WOV	1130	New York, N. Y.	10000	WSNJ	1240	Bridgeton, N. J.	250
WOW	590	Omaha, Neb.	5000	WSOC	1240	Charlotte, N. C.	250
WOWO	1190	Fort Wayne, Ind.	10000	WSOO	1230	Sault Ste. Marie, Mich.	250
WPAB	1370	Ponce, P. R.	1000	WSOY	1340	Decatur, Ill.	250
WPAD	1450	Paducah, Ky.	250	WSPA	950	Spartanburg, S. C.	1000
WPAR	1450	Parkersburg, W. Va.	250	WSPB	1450	Sarasota, Fla.	250
WPAT	930	Parkersburg, W. Va.	1000	WSPD	1370	Toledo, Ohio	5000
WPAX	1240	Thomasville, Ga.	250	WSPR	1210	Springfield, Mass.	500
WPAY	1400	Portsmouth, Ohio	250	WSSJ	1490	San Juan, P. R.	250
WPEN	950	Philadelphia, Pa.	1000	WSTP	1490	Salisbury, N. C.	250
WPIC	790	Sharon, Pa.	1000	WSTV	1340	Stuebenville, Ohio	250
WPID	1240	Petersburg, Va.	250	WSUI	910	Iowa City, Iowa	1000
WPR	790	Mayaguez, P. R.	1000	WSUN	620	St. Petersburg, Fla.	5000
WPRO	630	Providence, R. I.	5000	WSVA	550	Harrisonburg, Va.	1000
WPRP	1520	Ponce, P. R.	1000	WSVS	1400	Buffalo, N. Y.	250
WPTF	680	Raleigh, N. C.	50000	WSYB	1490	Rutland, Vt.	250
WQAM	560	Miami, Fla.	1000	WSYR	570	Syracuse, N. Y.	1000
WQAN	910	Scranton, Pa.	500	WTAD	930	Quincy, Ill.	1000
WQBC	1390	Vicksburg, Miss.	1000	WTAG	580	Worcester, Mass.	1000
WQDM	1420	St. Albans, Vt.	1000	WTAL	1340	Tallahassee, Fla.	250
WQXR	1600	New York, N. Y.	5000	WTAM	1100	Cleveland, Ohio	50000
WRAK	1400	Williamsport, Pa.	250	WTAQ	1360	Green Bay, Wis.	5000
WRAL	1240	Raleigh, N. C.	250	WTAR	790	Norfolk, Va.	1000
WRAY	1340	Reading, Pa.	250	WTAW	1150	College Station, Tex.	500
WRBL	1230	Columbus, Ga.	250	WTAX	1240	Springfield, Ill.	250
WRC	980	Washington, D. C.	5000	WTBO	820	Cumberland, Md.	250
WRDO	1400	Augusta, Me.	250	WTCM	1400	Traverse City, Mich.	250
WRDW	1490	Augusta, Ga.	250	WTCN	1280	Minneapolis, Minn.	1000
WREC	600	Memphis, Tenn.	1000	WTEL	1340	Philadelphia, Pa.	250
WREN	1250	Lawrence, Kan.	1000	WTHT	1230	Hartford, Conn.	250
WRGA	1490	Rome, Ga.	250	WTIC	1080	Hartford, Conn.	50000
WRJN	1400	Racine, Wis.	250	WTJS	1340	Jackson, Tenn.	250
WRNL	910	Richmond, Va.	1000	WTMA	1240	Charleston, S. C.	250
WROK	1440	Rockford, Ill.	500	WTMJ	620	Milwaukee, Wis.	5000
WROL	620	Knoxville, Tenn.	500	WTMV	1490	East St. Louis, Ill.	250
WRR	1310	Dallas, Texas	500	WTNC	1490	Ocala, Fla.	250
WRUF	850	Gainesville, Fla.	5000	WTNJ	1310	Trenton, N. J.	500
WRVA	1140	Richmond, Va.	50000	WTOC	1290	Savannah, Ga.	1000
WSAI	1360	Cincinnati, Ohio	5000	WTOE	1230	Toledo, Ohio	250
WSAJ	1340	Grove City, Pa.	250	WTRC	1340	Elkhart, Ind.	250
WSAM	1230	Saginaw, Mich.	250	WTRY	980	Troy, N. Y.	1000
WSAN	1470	Allentown, Pa.	500	WTSP	1400	St. Petersburg, Fla.	250
WSAR	1480	Fall River, Mass.	1000	WVFW	1430	Brooklyn, N. Y.	500
WSAU	1400	Wausau, Wis.	250	WWJ	950	Detroit, Mich.	1000
WSAV	1340	Savannah, Ga.	250	WWL	570	New Orleans, La.	50000
WSAY	1240	Rochester, N. Y.	250	WWNC	870	Asheville, N. C.	1000
WSAZ	930	Huntington, W. Va.	1000	WWNY	1300	Watertown, N. Y.	500
WSB	750	Atlanta, Ga.	50000	WWRL	1490	Woodside, N. Y.	250
WSBC	1240	Chicago, Ill.	250	WWSL	1490	Pittsburgh, Pa.	250
WSBT	1390	South Bend, Ind.	500	WWVA	1170	Wheeling, W. Va.	5000
WSFA	1440	Montgomery, Ala.	500	WXYZ	1270	Detroit, Mich.	1000

For a radio check-up that will keep your set at  
peak efficiency, call us . . .  
franchised dealers in

**TUNG-SOL RADIO TUBES**  
VIBRATION TESTED

# UNITED STATES BROADCASTING STATIONS OF 100 WATT POWER AND OVER

Alphabetically by Cities

City	Station	City	Station
Aberdeen, S. D.	KABR	Billings, Mont.	KGHL
Aberdeen, Wash.	KXRO	Binghamton, N. Y.	WNBF
Abilene, Texas	KRBC	Birmingham, Ala.	WAPI, WBRC, WSGN
Ada, Okla.	KADA	Bismarck, N. D.	KFYR
Akron, Ohio	WADC, WAKR, WJW	Bloomington, Ill.	WJBC
Alamosa, Colo.	KGIW	Bluesfield, W. Va.	WHIS
Albany, Ga.	WALB, WGPC	Blytheville, Ark.	KLCN
Albany, N. Y.	WABY, WOKO	Boise, Idaho	KIDO
Albert Lea, Minn.	KATE	Boone, Iowa	KFGO
Albuquerque, N. M.	KGGM, KOB	Boston, Mass.	WAAB, WBZ, WCOP, WEEI, WHDH, WMEX, WNAC, WORL
Alexandria, La.	KALB	Bowling Green, Ky.	WLBJ
Allentown, Pa.	WCBA, WSAN	Bozeman, Mont.	KRBM
Altoona, Pa.	WFBG	Brady, Texas	KNEL
Amarillo, Texas	KGNC	Bridgeport, Conn.	WICC, WNAB
Ames, Iowa	WOI	Bridgeton, N. J.	WSNJ
Anchorage, Alaska	KFQD	Bristol, Tenn.	WOPI
Anderson, Ind.	WHBU	Brookings, S. D.	KFDY
Anderson, S. C.	WAIM	Brooklyn, N. Y.	WARD, WBBC, WBBR, WCNW, WVFW
Annton, Ala.	WHMA	Brownsville, Texas	KGFI
Appleton, Wis.	WHBY	Brunswick, Ga.	WMOG
Ardmore, Okla.	KVSO	Buffalo, N. Y.	WBEN, WBNY, WEBR, WGR, WKBW
Asbury Park, N. J.	WCAP	Burlington, Vt.	WCAX
Asheville, N. C.	WISE, WNCN	Butte, Mont.	KGIR
Ashland, Ky.	WCMI	Calumet, Mich.	WHDF
Ashland, Wis.	WATW	Camden, N. J.	WCAM
Ashtabula, Ohio	WICA	Canton, N. Y.	WCAD
Astoria, Oregon	KAST	Canton, Ohio	WHBC
Athens, Ga.	WGAU	Cape Girardeau, Mo.	KFVS
Atlanta, Ga.	WAGA, WSB	Carlsbad, N. M.	KLAH
Atlantic City, N. J.	WBAB, WFGP	Carthage, Ill.	WCAZ
Auburn, N. Y.	WMBO	Casper, Wyo.	KDFN
Augusta, Ga.	WGAC, WMWH, WRDW	Cedar City, Utah	KSUB
Augusta, Me.	WRDO	Cedar Rapids, Iowa	WMT
Austin, Texas	KNOW	Champaign, Ill.	WDWS
Bakersfield, Calif.	KERN, KPNC	Charleston, S. C.	WCSC
Baltimore, Md.	WBAL, WCAO, WCBM, WFBR, WABI, WLBZ	Charleston, W. Va.	WCHS, WGKV
Bangor, Me.	WJBO	Charlotte, N. C.	WBT, WSOC
Baton Rouge, La.	WELL	Charlottesville, Va.	WCHV
Battle Creek, Mich.	WBCM	Chattanooga, Tenn.	WAPO, WDEF, WDOD
Bay City, Mich.	WBCM	Cheyenne, Wyo.	KFBC, KYAN
Beaumont, Texas	KFDM, KRIC	Chicago, Ill.	WAAF, WBBM, WCBD, WCFL, WCW, WEDC, WENR, WGES, WGN, WJJD, WLS, WMAQ, WMBI, WBSB
Bellingham, Wash.	KVOS	Chico, Calif.	KHSL
Bend, Ore.	KBND		
Berkeley, Calif.	KRE		
Beverly Hills, Calif.	KMPC		
Big Spring, Texas	KBST		



Jack Benny  
N. B. C.



Mary Livingston  
N. B. C.



Deems Taylor  
C. B. S.



Bob Hope  
N. B. C.

City	Station	City	Station
Cicero, Ill.	WHFC	Durham, N. C.	WDNC
Cincinnati, Ohio	WCKY, WCPO, WKRC, WLW, WSAI	East Dubuque, Ill.	WKBB
Clarksburg, W. Va.	WBLK	East Lansing, Mich.	WKAR
Clayton, Mo.	KFUO	Easton, Pa.	WEST
Cleveland, Ohio	WCLE, WHK, WGAR, WTAM	East St. Louis, Ill.	WTMV
Clovis, N. M.	KICA	Eau Claire, Wis.	WEAU
Coffeyville, Kans.	KGGF	El Centro, Calif.	KXO
College Station, Texas	WTAW	El Dorado, Ark.	KELD
Colorado Springs, Colo.	KVOR	Elizabeth City, N. C.	WCNC
Columbia, Mo.	KFRU	Elk City, Okla.	KASA
Columbia, S. C.	WIS	Elkhart, Ind.	WTRC
Calumbus, Ga.	WRBL	Elmira, N. Y.	WENY
Columbus, Ohio	WBNS, WHKC, WCOL, WOSU	El Paso, Texas	KTSM
Calumbus, Miss.	WCBI	Enid, Okla.	KCRC
Cookeville, Tenn.	WHUB	Erie, Pa.	WERC, WLEU
Cordele, Ga.	WMJM	Eugene, Ore.	KORE
Corpus Christi, Texas	KRIS	Eureka, Calif.	KIEM
Corsicana, Texas	KAND	Evansville, Ind.	WEOA, WGBF
Corvallis, Ore.	KOAC	Everett, Wash.	KRKO
Cumberland, Md.	WTBO	Fairmont, W. Va.	WMMN
Dallas, Texas	KRLD, WFAA, WRR	Fall River, Mass.	WSAR
Danville, Ill.	WDAN	Fargo, N. D.	WDAY
Donville, Va.	WBTM	Fergus Falls, Minn.	KGDE
Davenport, Iowa	WOC	Flint, Mich.	WFDF
Dayton, Ohio	WHIO, WING	Florence, S. C.	WOLS
Daytona Beach, Fla.	WMFJ	Fond du Lac, Wis.	KFIZ
Decatur, Ala.	WMFO, WMSL	Fort Dodge, Ia.	KVFD
Decatur, Ill.	WJBL, WSOY	Fort Lauderdale, Fla.	WFTL
Decorah, Iowa	KGCA, KWLC	Fort Myers, Fla.	WFTM
Denton, Texas	KDNT	Fort Smith, Ark.	KFPW
Denver, Colo.	KFEL, KLZ, KMYR, KOA, KPOF, KVOD	Fort Wayne, Ind.	WGL, WWOV
Des Moines, Iowa	KRNT, WHO, KSO	Fort Worth, Texas	KFJZ, KGKO, KTAT, WBAP, WFMD
Detroit, Mich.	WJBK, WJR, WMBC, WWJ, WXYZ	Frederick, Md.	WFMD
Devils Lake, N. D.	KDLR	Fredericksburg, Va.	WFVA
Dodge City, Kans.	KGNO	Freeport, N. Y.	WGBB
Dorham, Ala.	WAGF	Fremont, Nebr.	KORN
Dublin, Texas	KFPL	Fresno, Calif.	KARM, KMJ
Du Bois, Pa.	WCED	Gadsden, Ala.	WJBY
Dubuque, Ia.	KDTH	Gainesville, Fla.	WRUF
Duluth, Minn.	KDAL, WEBC	Gainesville, Ga.	WGGA
Durango, Calif.	KIUP	Galesburg, Ill.	WGIL
		Gallup, N. M.	KAWM
		Galveston, Texas	KLUF
		Garden City, Kans.	KIUL
		Gary, Ind.	WIND

## TUNG - SOL

### VIBRATION TESTED

## AUTO RADIO TUBES

*Resist Road Shocks — Sound Better Longer*



Eddie Cantor  
N. B. C.



Lucille Manners  
N. B. C.



Fred Allen  
C. B. S.



Elmer Davis  
C. B. S.

City	Station	City	Station
Glendale, Calif.	KIEV	Iowa City, Iowa	WSUI
Glenside, Pa.	WIBG	Ironwood, Mich.	WJMS
Globe, Ariz.	KWJB	Ithaca, N. Y.	WHCU
Goldsboro, N. C.	WGBR	Jackson, Mich.	WIBM
Grand Forks, N. D.	KFJM	Jackson, Miss.	WJDX, WSLI
Grand Junction, Colo.	KFXJ	Jackson, Tenn.	WTJS
Grand Rapids, Mich.	WASH, WGRB WLAV, WOOD	Jacksonville, Fla.	WJAX, WMBR
Grants Pass, Ore.	KUIN	Jamestown, N. D.	KRMC
Great Bend, Kans.	KVGB	Jamestown, N. Y.	WJTN
Great Falls, Mont.	KFBB	Janesville, Wis.	WCLO
Greeley, Colo.	KFKA	Jefferson City, Mo.	KWOS
Green Bay, Wis.	WTAQ	Jerome, Ariz.	KCRJ
Greenfield, Mass.	WHAJ	Jersey City, N. J.	WAAT, WHOM
Greensboro, N. C.	WBIG	Jahnstown, Pa.	WJAC
Greensburg, Pa.	WHJB	Joliet, Ill.	WCLS
Greenville, Miss.	WJPR	Jonesboro, Ark.	KBTM
Greenville, N. C.	WGTC	Joplin, Mo.	WMBH
Greenville, S. C.	WFBC, WMRC	Juneau, Alaska	KINY
Grenada, Miss.	WGRM	Kalamazoo, Mich.	WKZO
Griffin, Ga.	WKEM	Kalispell, Mont.	KGEZ
Grove City, Pa.	WSAJ	Kansas City, Kans.	KCKN
Hagerstown, Md.	WJEJ	Kansas City, Mo.	KCMO, KITE, KMBC, WDAF, WHB
Hammond, Ind.	WJOB	Kearney, Nebr.	KGFW
Harrisburg, Ill.	WEBO	Keene, N. H.	WKNE
Harrisburg, Pa.	WHP, WKBO	Kenosha, Wis.	WCLO
Harrisonburg, Va.	WSVA	Ketchikan, Alaska	KGBU
Hartford, Conn.	WDRG, WTHT, WTIC	Kilgore, Texas	KOCA
Hastings, Nebr.	KHAS	Kingsport, Tenn.	WKPT
Hattiesburg, Miss.	WFOR	Kingston, N. Y.	WKNY
Hazleton, Pa.	WAZL	Kinston, N. C.	WFTC
Helena, Mont.	KPFA	Klamath Falls, Ore.	KFJI
Herrin, Ill.	WJPF	Knoxville, Tenn.	WBIR, WNOX, WROL
Hickory, N. C.	WHKY	Laconia, N. H.	WLNH
Hibbing, Minn.	WMFG	La Crosse, Wis.	WKBH
High Point, N. C.	WMFR	Lafayette, La.	KVOL
Hobbs, N. M.	KWEF	La Grande, Ore.	KLBM
Hopkinsville, Ky.	WHOP	La Junta, Colo.	KOKO
Hot Springs, Ark.	KTHS, KWFC	Lake Charles, La.	KPLC
Houston, Texas	KPRC, KTRH, KXYZ	Lakeland, Fla.	WLAK
Huntington, W. Va.	WSAZ	Lamar, Colo.	KIDW
Huntsville, Ala.	WBHP	Lancaster, Pa.	WGAL
Huntsville, Texas	KSAM	Lansing, Mich.	WJIM
Hutchinson, Kans.	KWBG	Lapeer, Mich.	WMPC
Idaho Falls, Idaho	KID	Laredo, Texas	KPAB
Indianapolis, Ind.	WFBM, WIBC, WIRE	Las Vegas, Nev.	KENO, KFUN

Try a full new balanced set of  
**TUNG-SOL RADIO TUBES**  
 VIBRATION TESTED

Your ticket to a million dollar show



Fibber McGee and  
Molly N. B. C.



Dr. Damrosch  
N. B. C.



Guy Lombardo  
C. B. S.



Major Bowes  
C. B. S.

City	Station
Laurel, Miss.	WAML
Lawrence, Kans.	KFKU, WREN
Lawrence, Mass.	WLAW
Lewiston, Idaho	KRLC
Lewiston, Me.	WCOU
Lexington, Ky.	WLAP
Lincoln, Nebr.	KFAB, KFOR
Little Rock, Ark.	KARK, KGH1, KLRA
Logan, Utah	KVNU
Logan, Va.	WLOG
Long Beach, Calif.	KFOX, KGER
Longview, Texas	KFR0
Longview, Wash.	KWLK
Los Angeles, Calif.	KECA, KFAC, KFI, KFSG, KFVD, KFWB, KGFJ, KHJ, KMTR, KNX, KRKD
Louisville, Ky.	WINN, WAVE, WHAS
Lowell, Ariz.	KSUN
Lowell, Mass.	WLLH
Lubbock, Texas	KFY0
Lufkin, Texas	KRBA
Lynchburg, Va.	WLVA
Macon, Ga.	WBML, WMAZ
Madison, Wis.	WHA, WIBA
Manchester, N. H.	WFEA
Mandan, N. D.	KGCU
Manitowoc, Wis.	WOMT
Mankato, Minn.	KYSM
Mansfield, Ohio	WMAN
Marinette, Wis.	WMAM
Marion, Ohio	WMRN
Marquette, Mich.	WBEO, WDMJ
Marshalltown, Iowa	KFJB
Marshfield, Ore.	KOOS
Martinsville, Va.	WMVA
Marysville, Calif.	KMYC
Mason City, Iowa	KGLO
Mayaguez, P. R.	WPRA
McComb, Miss.	WSKB
Medford, Ore.	KMED
Memphis, Tenn.	WBBO, WMC, WMPS, WREC
Merced, Calif.	KYOS
Meridian, Miss.	WCOG
Miami, Fla.	WQAM, WIOD
Miami Beach, Fla.	WKAT
Midland, Texas	KRLH

City	Station
Miles City, Mont.	KRJF
Milwaukee, Wis.	WEMP, WISN, WTMJ
Minneapolis, Minn.	WCCO, WDGY, WLB, WL0L, WTCN
Minot, N. D.	KLPM
Mississippi City, Miss.	WGM
Missoula, Mont.	KGVO
Mobile, Ala.	WMOB, WALA
Modesto, Calif.	KTRB
Monroe, La.	KMLB
Monterey, Calif.	KDON
Montgomery, Ala.	WSFA
Moorhead, Minn.	KVOX
Morgantown, W. Va.	WAJR
Moultrie, Ga.	WMGA
Muncie, Ind.	WLBC
Muscle Shoals City, Ala.	WMSD
Muskegon, Mich.	WKBZ
Muskogee, Okla.	KBIX
Nampa, Idaho	KFXD
Nashville, Tenn.	WLAC, WSIX, WSM
Newark, N. J.	WHBI, WOR
New Albany, Ind.	WGRC
New Bedford, Mass.	WNBH
New Britain, Conn.	WNBC
Newburgh, N. Y.	WGNY
New Castle, Pa.	WKST
New Haven, Conn.	WELI
New Kensington, Pa.	WKPA
New London, Conn.	WNLC
New Orleans, La.	WDSU, WJBW, WNOE, WSMB, WWL
Newport News, Va.	WGH
New York, N. Y.	WABC-WBOQ, WBNX, WEAJ, WEVD, WHN, WINS, WJZ, WLTH, WMCA, WNEW, WNYC, WOV, WQXR
Niagara Falls, N. Y.	WHLD
Norfolk, Nebr.	WJAG
Norfolk, Va.	WTAR
Norman, Okla.	WNAD
Northfield, Minn.	WCAL
North Platte, Nebr.	KGNF
Oakland, Calif.	KLS, KLX, KROW
Ocala, Fla.	WTNC
Ogden, Utah	KLO
Ogdensburg, N. Y.	WSL8

Don't spoil brilliant programs with dull tubes—  
retube with

# TUNG-SOL RADIO TUBES

VIBRATION TESTED



Ben Bernie  
N. B. C.



Fannie Brice  
N. B. C.



Fred Waring  
N. B. C.



Doctor I. O.  
N. B. C.

City	Station	City	Station
Oklahoma City, Okla.	KOCY, KOMA, KTOK, WKY	Price, Utah	KEUB
Okmulgee, Okla.	KHBG	Providence, R. I.	WEAN, WJAR, WPRO
Olean, N. Y.	WHDL	Pueblo, Colo.	KGHF
Olympia, Wash.	KGY	Pullman, Wash.	KWSC
Omaha, Nebr.	KOIL, KONB, WOV	Quincy, Ill.	WTAD
Opelika, Ala.	WSHO	Racine, Wis.	WRJN
Orlando, Fla.	WDBO, WLOF	Raleigh, N. C.	WPTF
Owensboro, Ky.	WOMI	Rapid City, S. D.	KOBH, WCAT
Paducah, Ky.	WPAD	Reading, Pa.	WEUU, WRAW
Palestine, Texas	KNET	Red Bank, N. J.	WBRB
Pampa, Texas	KPDN	Redding, Calif.	KVCV
Panama City, Fla.	WDLF	Reno, Nev.	KOH
Paris, Texas	KPLT	Richmond, Ind.	WKBY
Parkersburg, W. Va.	WPAR	Richmond, Va.	WBBL, WMBG, WRNL, WRVA
Pasadena, Calif.	KPPC	Roanoke, Va.	WDBJ, WSLS
Paterson, N. J.	WPAT	Roanoke Rapids, N. C.	WCBT
Pawtucket, R. I.	WFCI	Rochester, Minn.	KROC
Pecos, Texas	KIUN	Rochester, N. Y.	WHAM, WHEC, WSAV
Pensacola, Fla.	WCOA	Rockford, Ill.	WROK
Peoria Heights, Ill.	WMBD	Rock Island, Ill.	WHBF
Petersburg, Va.	WPID	Rock Springs, Wyo.	KVRS
Philadelphia, Pa.	KYW, WCAU, WDAS, WFL, WHAT, WIP, WPEN, WTEL	Rocky Mount, N. C.	WEED
Phoenix, Ariz.	KOY, KPHO, KTAR	Rome, Ga.	WRGA
Pierre, S. D.	KGFX	Roseburg, Ore.	KRNR
Pine Bluff, Ark.	KOTN	Roswell, N. M.	KGFL
Pittsburg, Kans.	KOAM	Rutland, Vt.	WSYB
Pittsburgh, Pa.	KDKA, KQV, WCAE, WJAS, WWSW	Sacramento, Calif.	KFBK, KROY
Pittsfield, Mass.	WBRK	Safford, Ariz.	KGLU
Plattsburg, N. Y.	WMFF	Saginaw, Mich.	WHAL, WSAM
Pocatello, Idaho	KSEI	St. Albans, Vt.	WQDM
Ponca City, Okla.	WBBZ	St. Augustine, Fla.	WFOY
Ponce, P. R.	WPRP	St. Cloud, Minn.	KFAM
Pontiac, Mich.	WCAR	St. Joseph, Mo.	KFEQ
Poplar Bluff, Mo.	KWOC	St. Louis, Mo.	KMOX, KSD, KWK, KXOK, WEW, WIL
Port Arthur, Texas	KPAC	St. Paul, Minn.	KSTP, WMIN
Port Huron, Mich.	WHLs	St. Petersburg, Fla.	WSUN
Portland, Me.	WCSH, WGAN	Salem, Mass.	WESX
Portland, Ore.	KALE, KBPS, KEX, KGW, KOIN, KWJJ, KXL	Salem, Ore.	KSLM
Portsmouth, N. H.	WHEB	Salina, Kans.	KSAL
Portsmouth, Ohio	WPAY	Salina, N. Y.	WLAF
Poughkeepsie, N. Y.	WKIP	Salisbury, Md.	WBOC
Poynette, Wis.	WIBU	Salisbury, N. C.	WSP
Presque Isle, Me.	WAGM	Salt Lake City, Utah	KDYL, KSL, KUTA
		San Angelo, Texas	KGKL

If your radio howls, whistles, squeals or blurps . . .  
phone the franchised dealer in

## TUNG-SOL RADIO TUBES

VIBRATION TESTED



Richard Crooks  
N. B. C.



Mark Warnow  
C. B. S.



Nan Grey  
C. B. S.



Lawrence Tibbett  
N. B. C.

City	Station	City	Station
San Antonio, Texas	KABC, KMAC, KONO, K TSA, WOAI	Topeka, Kans.	WIBW
San Bernardino, Calif.	KFXM	Traverse City, Mich.	WTCM
San Diego, Calif.	KFSD, KGB	Trenton, N. J.	WTNJ
San Francisco, Calif.	KFRC, KGO, KJBS, KPO, K SAN, KSFO, KYA	Troy, N. Y.	WHAZ
San Jose, Calif.	KQW	Tucson, Ariz.	KVOA
San Juan, P. R.	WKQA, WNEL	Tulsa, Okla.	KOME, KTUL, KVOO
San Luis Obispo, Calif.	KVEC	Tuscaloosa, Ala.	WJRD
Santa Ana, Calif.	KVOE	Tuscola, Ill.	WDZ
Santa Barbara, Calif.	KDB, KTMS	Twin Falls, Idaho	KTFI
Santa Fe, N. M.	KRQA, KVSF	Tyler, Texas	KGKB
Santa Rosa, Calif.	KSRO	Uniontown, Pa.	WMBS
Saranac Lake, N. Y.	WNBZ	Urbana, Ill.	WILL
Sarasota, Fla.	WSPB	Utica, N. Y.	WIBX
Sault Ste. Marie, Mich.	WSOO	Valdosta, Ga.	WGOV
Savannah, Ga.	WSAV, WTOC	Valley City, N. D.	KOVC
Schenectady, N. Y.	WGMA, WGY	Vermillion, S. D.	KUSD
Scottsbluff, Nebr.	KGKY	Vicksburg, Miss.	WQBC
Scranton, Pa.	WARM, WGBI, WQAN	Victoria, Texas	KVIC
Seattle, Wash.	KEVR, KIRO, KJR, KOL, KOMO, KRSC, KTW, KXA	Vincennes, Ind.	WAOV
Sedalia, Mo.	KDRO	Virginia, Minn.	WHLB
Selma, Ala.	WHBB	Visalia, Calif.	KTKC
Sharon, Pa.	WPIC	Waco, Texas	WACO
Shawnee, Okla.	KGFF	Walla Walla, Wash.	KUJ
Sheboygan, Wis.	WHBL	Washington, D. C.	WJSV, WINX, WMAL, WOL, WRC
Shenandoah, Iowa	KFNF, KMA	Waterbury, Conn.	WATR, WBRY
Sheridan, Wyo.	KWYO	Waterbury, Vi.	WDEV
Sherman, Texas	KRRV	Watertown, N. Y.	WATN, W WNY
Shreveport, La.	KRMD, KTBS, KWKH	Watertown, S. D.	KWAT
Siloam Springs, Ark.	KUOA	Watsonville, Calif.	KHUB
Sioux City, Iowa	KSCJ, KTRI	Wausau, Wis.	WSAU
Sioux Falls, S. D.	KELO, KSOO	Waycross, Ga.	WAYX
South Bend, Ind.	WFAM, WSBT	Welch, W. Va.	WBRW
Spartanburg, S. C.	WORD, WSPA	Wenatchee, Wash.	KPO
Spokane, Wash.	KFIO, KFPY, KGA, KHQ	Westlaco, Texas	KRGV
Springfield, Ill.	WCBS, WTAX	West Lafayette, Ind.	WBAA
Springfield, Mass.	WBZA, WMAS, WSPR	West Palm Beach, Fla.	WJNO
Springfield, Mo.	KGBX, KWTO	West Point, Ga.	WDAK
Springfield, Ohio	WIZE	Wheeling, W. Va.	WWVA
Sterling, Calo.	KGEK	White Plains, N. Y.	WFAS
Steubenville, Ohio	WSTV	Wichita, Kans.	KANS, KFH
Stevens Point, Wis.	WLBL	Wilkes-Barre, Pa.	WBAX, WBRE
Stockton, Calif.	KGDM, KWG	Williamsport, Pa.	WRAK
Suffolk, Va.	WLPM	Willmar, Minn.	KWIM
Sumter, S. C.	WFIG	Wilmington, Del.	WDEL, WILM
Sunbury, Pa.	WKOK	Wilson, N. C.	WGTM
Sweetwater, Texas	KXOX	Winona, Minn.	KWNO
Syracuse, N. Y.	WFBL, WOLF, WSYR	Winston-Salem, N. C.	WAIR, WSJS
Tacoma, Wash.	KMO, KVI	Wisconsin Rapids, Wisc.	WFHR
Tallahassee, Fla.	WTAL	Wolf Point, Mont.	KG CX
Tampa, Fla.	WDAE, WFLA	Woodside, N. Y.	WWRL
Tempe, Texas	KTEM	Worcester, Mass.	WORC, WTAG
Terre Haute, Ind.	WBOW	Yakima, Wash.	KIT
Texarkana, Ark.	KCMC	Yankton, S. Dak.	WNAX
The Dalles, Ore.	KODL	York, Pa.	WORK
Thomasville, Ga.	WPAX	Youngstown, Ohio	WKBN
Toledo, Ohio	WSPD, WTOL	Yuma, Ariz.	KYUM
		Zanesville, Ohio	WALR, WHIZ
		Zarephath, N. J.	WAWZ

*"An ounce of prevention"—*

*A radio check-up by our expert service men.*

*We are franchised dealers in*

**TUNG-SOL RADIO TUBES**

**VIBRATION TESTED**



# TELEVISION BROADCAST STATIONS

Licensee and City	Station	Freq. (kc)	Power	
			Visual	Aural
Balaban & Katz Corp., Chicago, Ill.	W9XBK	6000-66000	1 kw	1 kw
Balaban & Katz Corp., Area of Chicago, Ill.	W9XBT	204000-206000	250 w	
Bamberger Broadcasting Service, Inc., New York, N. Y.	W2XBB	96000-102000	1 kw	1 kw
Columbia Broadcasting System, Inc., New York, N. Y.	W2XAB	60000-66000	7½ kw	7½ kw
Columbia Broadcasting System, Inc., Area of New York, N. Y.	W2XCB	336000-348000	6.5 w	
The Crosley Corp., Cincinnati, Ohio	W8XCT	50000-56000	1 kw	1 kw
Allen B. DuMont Labs., Inc., Area of New York, N. Y.	W10XKT	258000-270000	50 w	
Allen B. DuMont Labs., Inc., Passaic, N. J.	W2XVT	42000-84000	50 w	50 w
		78000-84000	5 kw	5 kw
Allen B. DuMont Labs., Inc., New York, N. Y.	W2XWV	78000-84000	1 kw	1 kw
Allen B. DuMont Labs., Inc., Washington, D. C.	W3XWT	50000-56000	1 kw	1 kw
Don Lee Broadcasting System, Los Angeles, Calif.	W6XAO	42000-56000	1 kw	150 w
		60000-86000		
		50000-56000		
General Electric Co., Bridgeport, Conn.	W1XA	60000-86000	175 w	100 w
General Electric Co., Albany, N. Y.	W2XB	60000-86000	10 kw	3 kw
General Electric Co., Schenectady, N. Y.	W2XD	162000-168000	40 w	
General Electric Co., Schenectady, N. Y.	W2XH	288000-294000	40 w	
General Electric Co., New Scotland, N. Y.	W2XI	156000-162000	10 w	
Don Lee Broadcasting System, San Francisco, Calif.	W6XDL	50000-56000	1 kw	1 kw
Don Lee Broadcasting System, Area of Los Angeles, Calif.	W6XDU	318000-330000	6.5 w	
National Broadcasting Co., Inc., New York, N. Y.	W2XBS	50000-56000	12 kw	15 kw
National Broadcasting Co., Inc., Portable (Camden, N. J. & New York, N. Y.)	W2XBT	162000-168000	400 w	100 w
National Broadcasting Co., Inc., Area of New York, N. Y.	W2XBU	282000-294000	15 w	
		312000-324000		
National Broadcasting Co., Inc., Washington, D. C.	W3XNB	60000-66000	1 kw	1 kw
National Broadcasting Co., Inc., Philadelphia, Pa.	W3XPP	102000-108000	1 kw	1 kw
Philco Radio & Television Corp., Phila., Pa.	W3XE	66000-72000	10 kw	10 kw
Philco Radio & Television Corp., Philadelphia, Pa. (Portable)	W3XP	234000-246000	15 w	
Purdue University, W. Lafayette, Ind.	W9XG	66000-72000	750 w	750 w
Radio Pictures, Inc., Long Island City, N. Y.	W2XDR	42000-56000	1 kw	500 w
		60000-86000		
RCA Mfg. Co., Inc., Camden, N. J. (Portable)	W3XAD	321000-327000	500 w	500 w
RCA Mfg. Co., Inc., Camden, N. J.	W3XEP	84000-90000	30 kw	30 kw
State University of Iowa, Iowa City, Iowa	W9XUI	50000-56000	100 w	
		210000-216000		
Television Productions, Inc., Los Angeles, Calif.	W6XYZ	78000-84000	1 kw	1 kw
WCAU Broadcasting Co., Philadelphia, Pa.	W3XAU	84000-90000	1 kw	1 kw
Zenith Radio Corp., Chicago, Ill.	W9XZV	50000-56000	1 kw	1 kw
The Journal Co., Milwaukee, Wis.		56000-72000	1 kw	1 kw
Hughes Production Div. of Hughes Tool Co., Los Angeles, Calif.		60000-66000	10 kw	10 kw
Hughes Production Div. of Hughes Tool Co., San Francisco, Calif.		60000-66000	10 kw	10 kw
Columbia Broadcasting System, Inc., Los Angeles, Calif.		162000-168000	10 kw	10 kw
Earle C. Anthony, Inc., Los Angeles, Calif.		96000-102000	10 kw	10 kw
LeRoy's Jewelers, Los Angeles, Calif.		186000-192000	10 kw	10 kw
May Dept. Stores Co., Los Angeles, Calif.		210000-216000	10 kw	10 kw
Television Productions, Inc., Los Angeles area, Portable—Mobile Relay		234000-240000		
		240000-246000	250 w	
Metropolitan Television, Inc., New York, N. Y.		162000-168000	1 kw	1 kw
Columbia Broadcasting System, Inc., Chicago, Ill.		78000-84000	1 kw	1 kw
Kansas State College of Agriculture and Applied Science, Manhattan, Kans.		50000-56000	100 w	100 w
Farnsworth Television and Radio Corp., Fort Wayne, Ind.		66000-72000	1 kw	1 kw

# FACSIMILE BROADCAST STATIONS

Licensee and City	Station	Freq. (kc)	Power
Bamberger Broadcasting Service, Inc., New York, N. Y.	W2XUP	25250	100 w
A. H. Belo Corporation, Dallas, Texas	W5XGR	25250	100 w
The Cincinnati Times-Star Co., Cincinnati, Ohio	W8XVC	25175	100 w
Courier-Journal and Louisville Times Company, Eastwood, Ky.	W9XWT	25250	500 w
The Crosley Corporation, Cincinnati, Ohio	W8XUJ	25025	1 kw
William G. H. Finch, New York, N. Y.	W2XBF	43740	1 kw
The National Life and Accident Insurance Co., Inc., Nashville, Tenn.	W4XIH	25250	1 kw
The Pulitzer Publishing Co., St. Louis, Mo.	W9XZY	25100	100 w
Radio Pictures, Inc., Long Island City, N. Y.	W2XR	43580	500 w
Sparks-Withington Co., Jackson, Mich.	W8XUF	43900	100 w
Star-Times Publishing Co., St. Louis, Mo.	W9XSP	25250	100 w
Symons Broadcasting Co., Spokane, Wash.	W7XSW	25150	100 w
United Broadcasting Co., Cleveland, Ohio	W8XE	43620	100 w
WBEN, Incorporated, Buffalo, N. Y.	W8XA	43700	100 w
WBNS, Incorporated, Columbus, Ohio	W8XUM	25200	100 w
WOKO, Incorporated, Albany, N. Y.	W2XWE	25050	500 w

# HIGH FREQUENCY BROADCAST STATIONS

(FREQUENCY MODULATION)

Licensee and City	Station	Freq. (kc)	Service Area (Square Miles)
Bamberger Broadcasting Service, Inc., Newark, N. J.	W71NY	47100	8500
Baton Rouge Broadcasting Co., Inc., Baton Rouge, La.	W45RG	44500	8100
Capitol Broadcasting Co., Inc., Schenectady, N. Y.	W47A	44700	6589
Columbia Broadcasting System, Inc., Chicago, Ill.		46700	10800
Evansville On the Air, Inc., Evansville, Ind.	W45V	44500	8397
The Evening News Association, Detroit, Mich.	W45D	44500	6820
William G. H. Finch, New York, N. Y.	W55NY	45500	8500
Frequency Broadcasting Corporation, Brooklyn, N. Y.	W59NY	45900	8500
General Electric Company, Schenectady, N. Y.	W57A	45700	6600
Howitt-Wood Radio Co., Inc., Binghamton, N. Y.	W49BN	44900	6500
The Journal Company (The Milwaukee Journal), Milwaukee, Wisc.	W55M	45500	8540
Don Lee Broadcasting System, Los Angeles, Calif.	K45LA	44500	6944
Marcus Loew Booking Agency, New York, N. Y.	W63NY	46300	8500
Metropolitan Television, Inc., New York, N. Y.	W75NY	47500	8500
National Broadcasting Company, Inc., New York, N. Y.	W51NY	45100	8500
National Broadcasting Company, Inc., Chicago, Ill.	W63C	46300	10800
The National Life and Accident Insurance Company, Nashville, Tenn.	W47NV	44700	16000
Radio Service Corporation of Utah, Salt Lake City, Utah	K47SL	44700	623
The Travelers Broadcasting Service Corp., Hartford, Conn.	W53H	45300	6100
Walker & Downing Radio Corporation, Pittsburgh, Pa.	W47P	44700	8400
WBNS, Incorporated, Columbus, Ohio	W45CM	44500	12400
Westinghouse Radio Stations, Inc., Pittsburgh, Pa.		47500	8400
WCAU Broadcasting Company, Philadelphia, Pa.	W67PH	46700	9300
WDRC, Incorporated, Hartford, Conn.	W65H	46500	6100
WGN, Incorporated, Chicago, Ill.	W59C	45900	10800
WJJD, Incorporated, Chicago, Ill.		44700	10800
The Yankee Network, Inc., Boston, Mass.	W39B	43900	31000
Zenith Radio Corporation, Chicago, Ill.	W51C	45100	10760

**TUNG-SOL AUTO RADIO TUBES**  
VIBRATION TESTED — RESIST SHOCK

# WHAT THE RADIO LISTENER SHOULD KNOW ABOUT F. M.

You have probably heard rumors of a new system of radio broadcasting called F. M. that may revolutionize the whole industry. If you are just a layman you are probably not interested in the technicalities of the process. What you want to know is how will it affect you, one of the great American Radio Audience. Here are answers to the questions most asked:

**What is F. M.?**—F. M. is an abbreviation for "frequency modulation," which is a new type of radio transmission, offering a demonstrably different and better radio reception. Unlike the standard broadcast (known as A. M. or amplitude modulation), it is free of station interference, static (man-made or natural), and has an unbelievably lifelike tone quality. This new type of broadcast was developed and patented by Major Edward Howard Armstrong, professor of engineering at Columbia University.

**Can the new F. M. broadcasts be received on present standard sets?**—No, not without an F. M. attachment.

**Will F. M. make your present set obsolete?**—Not likely. Experts are divided as to how far and how fast F. M. will supersede A. M. Some think the two systems will work along side by side. F. M. is a newcomer with many difficulties to overcome. It is hardly likely that the present system, with the large sums of money invested, will disappear suddenly. If A. M. did finally lose out, it would be after many years had elapsed, and you would be in the market for a new set anyway.

**What is the present status of F. M.? Are programs on the air and are sets being sold to receive them?**—Yes, programs are being sent out, some through independent F. M. stations, some through experimental stations, and some standard broadcast stations are installing F. M. transmitters. Major Armstrong has issued licenses on his patents to some of the leading set manufacturers, and prices range from \$50.00 to \$600.00. Manufacturers expect to reduce prices when they get into production. Sets are being made with both A. M. and F. M. bands. Standard sets are being made with provisions for F. M. adapters. Those who have a standard set with a really good loud-speaker should consider the smaller unit, which uses the audio amplifier and loud-speaker of a standard set. Your set need not have an F. M. plug-in—your service man can hook it up as easily as he can attach a record-player.

Production of F. M. sets is held back by the fact that people don't like to buy sets for which there is no variety of programs available, and programs are limited because advertisers cannot put on expensive programs when there are so few sets to receive them—a circle hard to break.

F. M. may also have an important bearing on the development of facsimile broadcasting. Facsimile is a sort of radio printing press. Anything printed—maps, photos, diagrams, type, pictures, etc.—can be sent over the air and received in the home, at about the speed of a teletype machine. The growth of facsimile has been limited by the fact that in standard broadcasting facsimile takes the place of sound. In F. M. broadcasting, facsimile can operate simultaneously with sound.

