

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*.

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MARCH 1, 1932



RADIO IN DEX

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



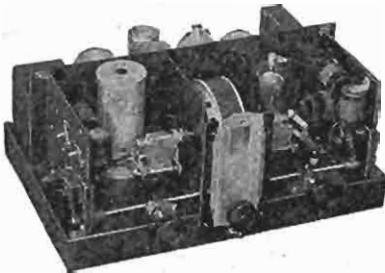
A Typical S-W Converter

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 possessed a marked vernier tuning effect.



The National NC-5 S-W Converter contains two -35s, 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 KFH, 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 WCBD, 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,

		J	

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__	CM__
__	__	__

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.

1	R	3	4
9	W	L	
11	O	R	F
	R		
13	W	I	14
17	K	E	E
19	A		

5	6	7	8
10			
12			
	15		16
	18		
		20	

21	22		
25	W	O	26
28			
			30
32		23	
37			
39			

		13	24
	17		
	29		
31			
34	35		36
38			
40			

- 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 kcys. operated by the Louisiana State Bureau of Identification.

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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

Radio's Clowns
by Susie Sexton

IN days when the Great Depression billed in a disappearing act would thrill the audiences of any 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.

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 run-a-tup-tum, Arthur Pryor 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	WHEC	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	Monterey, 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 KMCS
1500	KCMC	Texarkana, Ark., from WDX.

Reinstated

830	WGM	Jeannette, Pa.
1420	WHDL	Tupper Lake, N. Y.

Chains

770	KFAB	Lincoln, Neb., new CBS.
1230	WBSB	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	1285 on 1265.
CMW	Havana, Cuba	588 on 580.
KGY	Olympia, Wash.	1200 on 1210.
XEG	Mexico City, Mex.	1360 on 1070.
XEL	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 785.
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 Amfico 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 Heaviside 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.

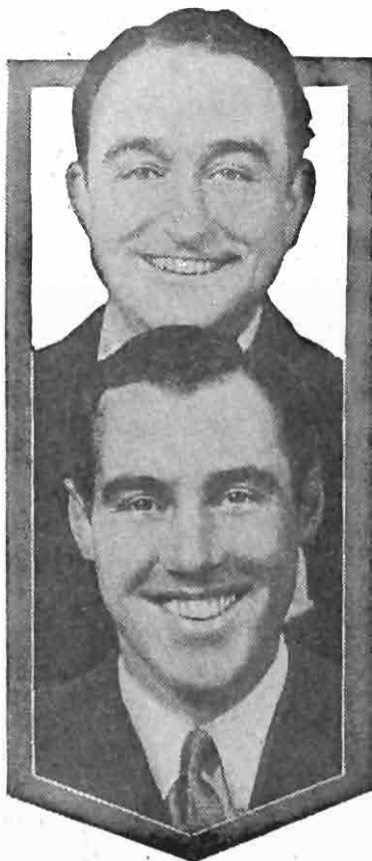
Perhaps your aerial is too near the telephone wires. It should be at right angles to, and as far distant as possible from, the telephone line.

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.

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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



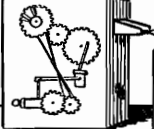
Institute in New York (a banjo free with every course of instruction). But as there was still some talk of that engineering business in the Ancel household, Ben was confining his music to vacation periods and struggling through his mathematics.

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 kcys.. 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, Sweetheart.' 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 kcys., 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 kcys. W8XF is booked for frequencies of 6020, 11800, 11880 and 20500 kcys., 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 kcys.? 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 kcys. 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 kcys. 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 your 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 kcys.



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 kcs., 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."

WFPB 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 kcs."

"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 kcs. and signed off without any further announcement."

Did He Have Germany?

"Would like to know if any reader had Frankfort-on-Main on 770 kcs., 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, because 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.

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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.)
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- 6-Volt Charge Tester D. C. No. 23
- 0-10 Amperes D. C. No. 338
- 0-25 Milliamperes D. C. No. 325
- 0-50 Milliamperes D. C. No. 350
- 0-100 Milliamperes D. C. No. 390
- 0-300 Milliamperes D. C. No. 399
- 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,"

Special DX Programs for RADEX Readers

Radio Station KKRO, 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.

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, WNBN, 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."

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, 323 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.

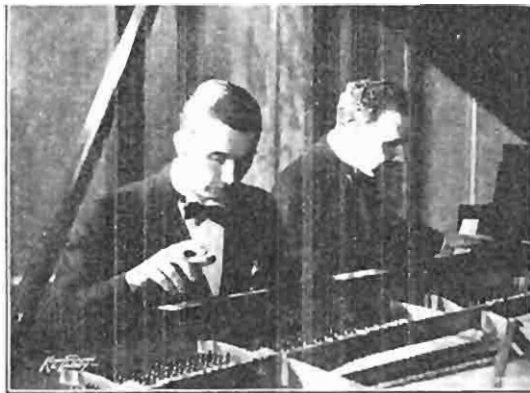
Edward B. Russell, 808 Prospect Ave., Kansas City, Mo., quotes from a letter of verification from KWEA, Shreveport, La., as follows: "On Sunday mornings KWEA conducts a special DX program from 4 to 5:30 CST. We will mail a DX card for 10 cents."

"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 kcys. 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.

Pasquale 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 kcs., 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 kcs., 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 kcs."

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 kcs., 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 kcs. 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 Torreón."

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 kcs. 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 keys.? 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 keys."

"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 keys."

Frank Claro, 387 Pine St., Brooklyn, N. Y., heard a station near 1380 keys. 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 keys., coming in fine on

680 keys. 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, Merril-lan, Wis., reports that he continually picks up a Spanish-speaking station on 1025 keys.

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 WWCN

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 — Cheerie

CFCF CKGW KPRC WAPI WBEN
WCAE WCFL WCKY WCSH WDAF
WEAF WEEI WFRB WFI WFLA
WGY WHAS WIOD WIS WJAR
WJAX WJDX WKY WQAI WQW
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 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 Ed

KDKA KFYR KOA KOIL KPRC
KSL KVOO KWK WAPI WBAL
WBAP 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 KTSB KFOR
WAB WACO WABC WAD WCAH
WCAO WCAU WDBO WDCR WEAN
WFBL WHEC WHP WIBW WISN
WJAS WKBN WKBW WLPF WLBW
WLBZ WMAL WMT WNAC WOKO
WORC WPG WQAM WREC WSPD
WTAQ WTAR WTOC WWA WXYZ

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

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

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
WFRB 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
WFRB 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 WFAA WEEI WENR
WFRB 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 WFAA WEEI WENR WFI
WHAS WIOD WIS WJDX WKY
WRC WSM WTAG

C — Current Events, Kaltenborn

KFH KFJF KOH KRLD KSCJ KTRH
KFOR WAAB WABC WACO WADC
WBT WCAE WDBO WDRB WFBL
WHP WKRC WLPF WLBW WLBZ
WMAL WOKO WORC WQAM WREC
WSPD WTAQ WTAR WTOC

E-6:15 p.m., C-5:15, M-4:15, P-3:15
C — Vaughn de Leath

KFJF KOH KRLD KSCJ KFOR
WAAB WABC WACO WADC WBRB
WBT WCAE WDAE WDBO WDRB
WFAN WFBL WGR WHEC WHK
WHP WIP WISN WLBW WLBZ
WMAL WOKO WORC WQAM WREC
WSPD WTAQ QTR WTAC WWA

E-6:30 p.m., C-5:30, M-4:30, P-3:30
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 KFPY
KGB KLZ KMBC KMOX KOH
KSCJ KTRH KTSB KYI KFOR
WAAB WABC WACO WADC WBBM
WBRB WBT WCAH WCAO WCAU
WDAE WDBO WDRB WFBL WGR

WHEC WHP WIBW WJAS WKBN
WKBW WKRC WLPF WLBW WLBZ
WML WMT WNAC WOKO WORC
WPG WQAM WREC WSPD WTAQ
WTAR WTOC WWA WXYZ

R — Swift Program, Stebbins Boys

KSD WBEN WCAE WCSH WEAF
WEEI WFRB WFI WGY WJAR
WRC WTAG WTAM WTIC WWJ
B — Lowell Thomas, Literary Digest

KDKA WBAL WBZA 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 WAD WCAO WCAU
WDRB WFBL WGR WJAS WKRC
WMAL WNAC WOKO WSPD WWA
R — Vermont Lumber Jacks

WBEN WCAE WCSH WEAF WEEI
WENR WFRB 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 WDRB WENR WFBL WGR
WHEC WHK WHP WJAS WKRC
WLBW WLBZ WMAL WMBD WNAC
WOKO WORC WQAM WRR WSPD
WTAR WTOC WXYZ

R — Campbell, Howard Lannin Orch.

CFCF CKGW WBEN WCSH WDAF
WEAF WENR WFRB 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 WDRB WENR WFBL WGN
WGR WHK WJAS WKRC WMAL
WNAC WOV WSPD WXYZ

R — Prince Albert, Alice Joy

KECA KFYR KGA KJR KOA KPO
KSL KSTP KTAR WBEN WCSH
WDAF WDAY WFAA WEEI WFI
WFRB WFLA WGY WIBA WIOD
WIS WJAR WJAX WKY WLIT
WQAI 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 WBRB WBT WCAH

Monday—Continued

WCAO WCAU WCCO WDAE WDBJ
 WDBO WDOD WDRC WDSU WEAN
 WFBL WFBM WGR WGST WHEC
 WHK WHP WIBW WISN WJAS
 WKRC WLAC WLAP WLWB WMAL
 WMT WNAC WNAK WNOX WOKO
 WORC WQAM WREC WSPD WTAR
 WTOC WWVA WXYZ

R—The Goldbergs
 WBEN WCAE WFAA WENR WGY
 WSAI WTAM WWJ
R—Swift, Stebbins Boys
 KOA KPRC KSTP KYW WDAF
 WFAA WHAS WHO WKY WMC
 WOC WOV 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 WCSH WEEI WGY WJAR
 WTAG WVIC WFAF
B—The Contented Program
 CKGW KOIL KPRC KWK KYW
 WBAL WCKY WDAY WFLA WHAS
 WIBA WIOD WJAX WJR WJZ
 WREN WRVA WWSB WTMJ WUNC

E-8:15 p.m., C-7:15, M-6:15, P-5:15
C—Singin' Sam, Barbasol Man
 KMBC KMOX WABC WADC WCAO
 WCAU WCCO WDRC WEAN WFBL
 WFBM WGN WHK WJAS WKWB
 WKRC WMAL WNAC WOKO WSPD
C—Guy Lombardo and Orchestra
 KLRA WBIG WBRB WBT WDAE
 WDBJ WDBO WDOD WDSU WFIW
 WGST WLAC WODX WPG WQAM
 WREC WTAR 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 WCAO WCAU WCCO WFBL
 WFBM WGN WGR WHEC WHK
 WISN WJAS WKRC WLAP WMAL
 WSPD WXYZ

C—Four Clubmen, Quartette
 KSCJ WAAB WBCM WDAE WDRC
R—Firestone, Lawrence Tibbett
 CFCF CKGW KPRC KSD KTHS
 KVOO WBEN WCAE WCSH WDAF
 WFAF WEEI WFAA WFBM WFLA
 WGY WHAS WHO WIOD WIS
 WJAR WJAX WJDX WKY WLIT
 WMAQ WMC WOI WOC WOV
 WRC WRVA WSAI WSB WSM
 WSMB WTAG WTAM WVIC WWJ

B—Death Valley Days
 KDKA KFI KFSD KFYR KGO
 KGW KHQ KOA KOIL KOMO
 KSL KSTP KTAR KWK WBAL
 WBZA WCKY WECB WGR WHAM
 WIBA WJZ WLS WREN

E-8:45 p.m., C-7:45, M-6:45, P-5:45
C—Col. Steppagle 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 WKWB WKRC WMAL
 WNAC WOKO WOWO WSPD WXYZ
C—Arabesque, Desert Play
 WBCM WBRB WBT WDAE WDBO
 WQAM WREC WTAR WTOC

R—A. & P. Gypsies
 KSD WBEN WCAE WCSH WDAF
 WFAF WEEI WGY WHO WJAR
 WLIT WMAQ WOC WOV WRC
 WSAI WTAG WTAM WVIC WWJ

B—Maytag Orchestra
 KDKA KFI KFYR KGO KGW
 KHQ KOA KOMO KPRC KSL KSTP
 KVOO KWK WBAL WBSA WDAY
 WJBC WFAA WGR WHAM WJR
 WJZ WKY WLS WMC WOI WREN

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

R—Parade of the States
 KFI KFYR KGO KGW KHQ KOA
 KOMO KPRC KSD KSL KSTP
 WBEN WCAE WCSH WDAF WFAF
 WEEI WENR WFAA WGY WHAS
 WHO WJAR WJAX WKY WLIT
 WMC WOI WOC WOV WRC
 WSAI WWSB WSM WTAG WTAM
 WVIC WTMJ WWJ

B—Story of Women's Names
 KOIL KWK WBAL WGR 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 KPRC KHJ
 KLZ KMBC KMOX KOIN KOL
 KRLD KTRH K TSA WABC WADC
 WBBM WCAO WCAU WCCO WDRC
 WEAN WFBL WFBM WHK WJAS
 WKWB WKRC WMAL WNAC WOWO
 WSPD WXYZ

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

R—National Radio Forum
 KPSD KFYR KGHL KGIR KGO
 KGW KOMO KPRC KSD KSL
 KSTP KTAR WBAP WBEN WCAE
 WCSH WDAY WFAF WECB WEEI
 WENR WFLA WGY WHAS WHO
 WIBA WIOD WIS WJAR WJAX
 WJDX WKY WMC WOC WRC
 WRVA WSAI WSB WSM WSMB
 WTAG WTAM WVIC WTMJ WWJ
 WUNC

B—With Canada's Mounted
 KDKA KWK WBAL WBZA WGR
 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 KFH KFJF KFPY KPRC
 KGB KHJ KLRA KLZ KMBC KMOX
 KOH KOIN KOL KSCJ KTRH K TSA
 WAAB WABC WACO WADC WBBM
 WBCM WBRB WBT WCAH WCAO
 WCAU WCCO WDAE WDBJ WDBO
 WDOD WDRC WDSU WEAN WFBL
 WFBM WGST WHEC WHK WHP
 WIBW WISN WJAS WKWB WKRC
 WLAC WLWB WLW WMAL WMT
 WNAX WNOX WOKO WORC WOWO
 WPG WQAM WREC WRR WSPD
 WTAR WTOC WXYZ

R—Mr. Bones and Company
 WBEN WCAE WCSH WFAF WEEI
 WENR WFBM WFLA WGY WHO
 WIS WJAR WLIT WOC WRC WSAI
 WTAG WWJ WUNC

E-10:45 p.m., C-9:45, M-8:45, P-7:45
C—Street Singer
 CFRB KFH KGB WAAB WABC
 WADC WBRB WBT WCAO WCAU
 WDAE WDBO WDRC WEAN WFBL
 WHEC WHP WJAS WKWB WLWB
 WMAL WMT WOKO WORC WPG
 WQAM WREC WTAR WTOC
C—Myrt and Marge
 KDYL KFPY KPRC KHJ KLZ
 KMBC KOIN KOL WBBM WCCO
 WLAP WXYZ

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

B—Peepsodent, Amos 'n' Andy
 KFI KFSD KGO KGW KHQ KOA
 KOIL KOMO KPRC KSL KSTP
 KTHS KWK WBAP WDAF WECB
 WENR WHAS WIBA WJDX WKY
 WMAQ WMC WOI 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 KFH KFJF KLZ KSCJ
 KTRH K TSA KVR WAAB WABC
 WACO WADC WBRB WBT WCAH
 WCAO WCAU WDAE WDBO WDRC
 WEAN WHEC WHP WIBW WISN
 WKBN WKWB WKRC WLAP WLWB
 WLWB WMT WNAX WOKO WORC
 WOWO WQAM WREC WSPD WTAR
 WTOC WXYZ

R—Prince Albert, Alice Joy
 KECA KEC 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
 K TSA WGN WOWO

R—Jesse Crawford, Organ
 KSD WCKY WFAF WJAR WRC
 WSM WVIC WWJ
R—Firestone, Lawrence Tibbett
 KFI KFSD KFYR KGHL KGIR
 KGO KGU KGW KHQ KOA KOMO
 KSL KTAR WECB WIBA 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 KFH KLZ KOH KSCJ KTRH
 KVR WABC WCAU WCCO WEAN
 WFBL WHP WIBW WISN WKBN
 WKWB WKRC WLAP WLWB WMT
 WNAC WNAX WOKO WSPD
R—Earl Hines, Orchestra
 KFYR KSD WAPI WFAF 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 KFH KLZ KMBC KOH KSCJ
 KTRH KVR WABC WCAU WCCO
 WEAN WFBL WHP WIBW WISN
 WKBN WKWB WLAP WLWB WNAC
 WNAX WOKO 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 WBRC WBT WCAH
 WCCO WDAE WDBO WFBL WHP
 WHP WISN WLAP WLWB WLWB WMAL
 WKRC WORC WQAM WREC WTAQ
 WTR WTCO
 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 KOH
 KSCJ KTRH KVR WAAB WABC WACO
 WADC WDBC WBRC WBT WCAO
 WCCO WDAE WDBO WFBL WGR
 WHP WISN WLAP WLWB WLWB
 WMAL WOKO WORC WQAM WREC
 WTAQ WTR WTCO WVVVA

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 Stritz, Orchestra
 KMBC KRDL WAAB WABC WBBM
 WCAU WDRG WEAN WHK WKBW
 WMAL WXYZ
 R — Stebbins Boys, See Monday
 B — Lowell Thomas, See Monday
 R — 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 KTR WEAF WFI WJDX
 WSAI WBS WSM WTAG WTC

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 WDRG 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 WGR
 WHAS WJDX WJR WJZ WMC
 WREN WSB WSM WSMB

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 KGHK 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 WBEN WCAE
 WCHS WDAF WEAF WEBC WEI
 WFI WGY WHO WJAR WOC WOW
 WRC WSAI WTAG WTAM WTC

E-8:15 p.m., C-7:15, M-6:15, P-5:15
 C — Sterling, Abe Lyman's Band
 KFJF KMOX KMOX WABC WADC
 WCAO WCAU WCCO WDRG WDSU
 WGR WHK 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
 WBEN WCHS WDAF WEAF WEI
 WFBM WFI WGY WHAS WHO
 WIOD WJAR WJDX WMC WOC
 WOW WRC WSAI WSM WSMB
 WTAG WTAM WTC WWNC
 B — Heel Hugger Harmonies
 KFI KFSD KGW KHQ KOA KOIL
 KOMO KPO KSL KTR WHAM
 WJZ WLS WREN

E-8:45 p.m., C-7:45, M-6:45, P-5:45
 C — Gerardino, Ed Sullivan
 KMBC KMOX WABC WADC WCAO
 WCAU WDRG 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
 KEH KLZ KMBC KOIN KOL KTSA
 WABC WADC WDRG WBT WCAO
 WCAU WCCO WDRG WDSU WEAN
 WGN WHK WJAS WKBN WKBW
 WKRC WLAC WMAL WNAC WOWO
 WRR WSPD WXYZ KTRH
 R — McKeesson Musical Magazine
 KFI KFSD KFYR KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KTR
 KTHS KVOO WBEN WCAE WCHS
 WDAF WDAY WEAF WEBC WEI
 WFI WFLA WGY WHAS WHO
 WIOD WIS WJAR WJAX WJDX
 WKY WLS WMC WOAI WOC WOW
 WRC WRVA WSAI WBS WSM WSMB
 WTAG WTAM WTC 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 WDRG WEAN WFBL
 WGN WHK WJAS WKBW WKRC
 WMAL WNAC WOWO WSPD WXYZ
 C — Dictators Dance Orchestra
 KTRA WBIG WBRC WBT WDAE
 WDBJ WDBO WDOO WDSU WFIW
 WGST WLAC WNOX WODX WPG
 WQAM WREC WTR WTCO
 R — The Fuller Man
 KFI KGO KGW KHQ KOA KOMO
 KSD KSL KSTP KYW WBAP WBEN
 WCAE WCHS WDAF WEAF WEBC
 WEI WFI WGY WHO WJAR WKB
 WOAI WOC WOW WRC WSAI WBS
 WTAG WTAM WTC 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 KRDL
 KTRH WAAB WABC WADC WBBM
 WBRC WBT WCAO WCAU WCCO
 WDRG WDSU WFBL WFBM WHK
 WIBW WJAS WKBW WKRC WMAL
 WOKO WOWO WSPD WXYZ
 R — Lucky Strike, Walter Winchell
 KFI KFSD KFYR KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KTR WHK WGN WCAE WCHS
 WDAF WDAY WEAF WEBC WEI
 WENR WFLA WFBM WFI WFLA
 WGY WHAS WHO WIB WIOD
 WIS WJAR WJAX WJDX WKY
 WMC WOAI WOC WRC WRVA
 WSAI WSB WSM WSMB WTAG
 WTAM WTC WTMJ WWJ WWNC
 B — Russ Columbo, Orchestra
 CFCF KOIL KWK WGY WGR
 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
 WGR 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 WBCM
 WBRC WBT WCAO WDAE WDBO
 WDRG WEAN WEAN WFBL WHEC
 WHP WIP WJAS WKBW WKBW
 WLWB WLWB WMAL WOKO WORC
 WPG WQAM WREC WTR WTCO
 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 WTC 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 KTSA KVR WAAB WABC
 WACO WADC WBRC WBT WCAH
 WCAO WCAU WDAE WDBO WDRG
 WEAN WFBL WHEC WHP WIBW
 WISN WKBW WKRC WLAP WLWB
 WLWB WNBX WNOX WOKO WORC
 WOWO WQAM WREC WSPD WTR
 WTCO 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 WBCM WBRC WBT
 WCAO WCAU WDAE WDBO WDRG
 WLWB WMAL WORC WQAM WREC
 WTR WTCO
 C — Morton Downey, See Monday
 R — Jack Denny, Orchestra
 CFCF KFYR KOA KSD KTHS
 WBEN WEAF WENR WFI WBZA
 WIOD WJAR WJAX WRC WTAM
 WTC WWJ
 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 KRJF KLZ
 KMBC KMOX KOH KOI KSCJ
 KVR WABC WCAU WCCO WEAN
 WFBL WHP WLWB 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 WBEN
 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 KDYL KFBK KFFK KPBY
 KPRC KGB KHJ KLRA KLZ KMBC
 KMOX KOIN KOL KRLL KTRH
 KTSX KVI WABC WADC WBRC
 WCAH WCAO WCAU WCCO WDBJ
 WDRG WDSU WEAN WFBL WFBM
 WGN WGR WGST WHK WHP
 WISN WJAS WKBN WKRC WLAC
 WLAP WMLG 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 KFFK KMOX KOH KRLL KSCJ
 KTRH KFOR WAAB WABC WACO
 WADC WBRC WBT WDAE WDBO
 WDRG WEAN WFAN WFBL WGR
 WHC WHP WIP WISN WLAP
 WLWB WLWB WMLG WOKO WORC
 WQAM WREC WSPD WTAQ WTAR
 WTOG 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 WBRC WBT WDAE
 WDBJ WDBO WDDO WDSU WFIW
 WGST WLAC WNOX WODX WTAR
 WTOG

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 WIS
 WJZ WPTF WRVA WUNC

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 WCHS WEAF WEEI
 WFBR WGY WHO WJAR WLIT
 WMAQ WOC WOW WRC WSAI
 WTAM WWJ

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

C—Light Opera Gems
 WBGM WBRC WBT WDAE WDBO
 WPG WQAM WREC WTAR WTOG

B—Melo-Clairons, Twin Organs
 KFYR KOA KOIL KPRC KSL KSTP
 KVOO KWK KYW WBAL WBAF
 WBZA WCKY WDAY WEEB WFAA

WFLA WGAR WHAM WHAS WIBA
 WIOD WIAX WJDX WJR WJZ
 WKY WMC WQAI WREN WRVA
 WSB WSM WSMB WTMJ WUNC

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 WCHS WDAF WDAY
 WFAF WEEB WEEI WFBR WFLA
 WGY WHAS WHO WIBA WIOD
 WIS WJAR WJAX WJDX WKY
 WLIT WMC WQAI WOC WOW
 WRC WSAI WSB WSMB WTAG
 WTAM WTC WTMJ WWJ WUNC

B—Jack Frost, Melody Moments
 KDKA WBAL WGAR 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 WGN
 WEK WJAS WKBN WKRC WML
 WMT WNAC WOKO WOWO WSPD
 R—Halsey-Stewart Program
 CKGW KFI KGO KGW KHQ KOA
 KOMO KPRC KSD KSL KSTP
 KVOO KYW WBEN WCAE WCHS
 WFAF WEEI WFBR WGY WHAS
 WHO WJAR WJAX WLIT WMC
 WQAI WOC WOW WRC WRVA
 WSAI WSB WSM WSMB WTAG
 WTAM WTMJ WWJ

B—Sherlock Holmes
 KDKA KWK WBAL WBZA WGAR
 WEAM WJR WJZ WLW WMAQ

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

C—Ann Leaf at the Organ
 KPRC KSCJ WBCM WBRC WBT
 WDAE WDBO WPG WQAM WREC
 WTAR WTOG

R—Mobiloil Concert
 KFYR KGO KGW KHQ KOA KOMO
 KPRC KSD KSL KSTP KVOO WBEN
 WCAE WCHS WDAF WDAY WFAF
 WEEI WFAA WFBR WFLA WGY
 WHAS WHO WIOD WIS WJAR
 WJAX WJDX WKY WLIT WMAQ
 WMC WQAI WOC WOW WPTF
 WRC WRVA WSAI WSB WSM
 WSMB WTAG WTAM WTIC WWJ

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 WGAR WHAM
 WJZ WREN

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

KDYL KFFK KFFY KFRC KHJ
 KLRA KLZ KMBC KMOX KOIN
 KOL KRLL KTRH KTSX WAAB
 WABC WADC WBBM WBRC WBT
 WCAH WCAO WCAU WCCO WDRG
 WDSU WEAN WFBL WFBM WGRG
 WHK WISN WJAS WKBN WKRC
 WLAC WMLG WOKO WOWO WREC
 WSPD WXYZ

R—Coca Cola
 KFI KFSD KGO KGW KHQ KOA
 KOMO KPRC KSD KSL KSTP
 WAPI WBAP WBEN WCAE WCHS
 WDAF WEAF WEEB WEEI WENR
 WFBR WFLA WGY WHAS WHO
 WIOD WIS WJAR WJAX WJDX
 WLIT WMC WQAI WOC WOW
 WRC WSAI WSB WSM WSMB WTAG
 WTAM WTMJ WWJ WUNC

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 WBRC WBT WDAE
 WDBJ WDBO WDDO WDSU WFIW
 WGST WLAC WNOX WPG WREC
 WTAR WTOG

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 WCHS WEAF WENR
 WFBR WGY WHO WJAR WQAI
 WOC WOW WRC WTAG WTAM
 WWJ WUNC

B—Hollywood Nights
 KDKA KOIL KWK KYW WBAL
 WBZA WCKY WGAR 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 WWJ

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 WBRC WBT
 WCAO WCAU WDAE WDBO WDRG
 WLBB WMLG WORC WPG WQAM
 WREC WTAR WTOG

C—Morton Downey, See Monday

R—Vincent Lopez, Orchestra
 KFYR KPRC WAPI WBEN WCFL
 WCKY WEAF WGY WIBA WJAR
 WOW WRC WTMJ WWJ

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 WKBN 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
CFRB KFH KFJF KLZ KRLL KSCJ
KTRH KVRV WAAB WABC WACO
WADC WBRC WBT WCAH WCAO
WDAE WDBO WDRC WEAN WFBL
WGR WHCC WHP WISN WKRC
WLAP WLWB WLWZ WMAL WOKO
WORC WQAM WREC WTAR WTOC
WVCO

E-6:30 p.m., C-5:30, M-4:30, P-3:30
C — Connie Boswell
KFH KFJF KLZ KMOX KSCJ KTRH
KVRV WAAB WABC WACO WBRC
WBT WCAO WCAU WCCO WDBO
WDRC WEAN WFBL WHP WISN
WJAS WKBN WKWB WKRC WLAP
WLWB WLWZ WMT WOKO WORC
WQAM WREC WSPD WTOC WVVA

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 — Tastyest 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 Goldbergs, See Monday
B — Stebbins Boys, See Monday
B — Famous Business Fallacies
WBAL WCKY WECB WFLA WGAR
WIS WJAX WJZ WLS WRC WREN
WRVA WWNC

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

KTAR WBAP WBEN WCAE WCSH
WDAF WEAF WEBC WEEL WFBR
WFI WFLA WGY WHAS WHO
WIOD WJAR WJAX WJDX WKY
WMAQ WMC WOAI WOC WOW
WRC WRVA WSAI WSB WSM WBSP
WTAG WTAM WVIC WTMJ WWJ
B — Dixie Singers
KDKA KOIL KWK WBAL WBZA
WCKY WGAR 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 WDBJ
WDBO WDOD WDFW WGST WLAC
WNOX WQAM WREC WTOC

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
WDBJ WDBO WDOD WDSU WGST
WNOX WQAM WREC WTAR WTOC
R — Big Six of the Air
KFI KFSD KFYP WGHL KGIR
KGO KGW KHQ KOA KOMO KPRC
KSD KSL KSTP KTAR KTHS WAPI
WBAP WBEN WCAE WCSH WDAF
WDAE WDBO WDRC WEAN WFBL
WGR WHCC WHP WISN WKRC
WLAP WLWB WLWZ WMAL WOKO
WORC WQAM WREC WTAR WTOC
WVCO

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 WDRC WEAN WFBL
WGN WHK WJAS WKWB WKRC
WMAL WNAC WOKO WOW 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 WDRC WEAN WFBL
WGN WHK WJAS WKWB WKRC
WMAL WNAC WOWO WSPD WXYZ
R — Sherlock Holmes
CFPC CKGW KSD WBEN WCAE
WCSH WDAF WEAF WEEL WENR
WFI WGY WHO WJAR WOC WOW
WRC WSAI WTAG WTAM WVIC
B — Maxwell House Ensemble
KDKA KFI KFSD KGO KGW KHQ
KOA KOIL KOMO KPRC KSL
KSTP KTAR KWK KYW WAPI
WBAL WBAP WBZA WECB WFLA
WGAR WHAM WHAS WIOD WJAX
WDXJ WJR WJZ WKY WMC WOAI
WREN WRVA WSB WSM WBSP
WTMJ WWNC

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

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

WAAB WABC WADC WBBM WCAO
WCGO WDRC WDSU WEAN WFBL
WGST WHK WJAS WKWB WKRC
WLAP WLAM WMT WWOV 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 — Jesse 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 KVRV 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 a.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, Damosch
CFPC CKGW KDKA KFYP KOA
KPRC KSD KSL KSTP KTHS KVOO
KWK KYW WAPI WBAL WBAP
WBEN WBZA WCAE WCKY WCSH
WDAF WDAY WEAF WEBC WEEL
WENR WFAA WFBR WFLA WGAR
WGY WHAM WHAS WHO WIBA
WIOD WIS WJAR WJAX WJDX WJR
WJZ WKY WLIT WLW WMC WOAI
WOC WPTF WRC WREN WRVA
WSAI WSB WSM WBSP WTAG
WTAM WVIC WTMJ WWJ WWNC

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 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-6:30 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 Tene
 CFRB KFAB KFH KFJF KLZ KOH
 KRLD KSCJ KVOR WAAB WABC
 WBBM WBCM WBIG WBRC WBT
 WCAH WDBJ WDDW WDRC WDSU
 WFAN WFBM WFIW WGST WHEC
 WHP WIP WISN WJAS WKBN
 WLAC WLAP WLWB WLWB WMBD
 WMT WNOX WORO WORO WQAM
 WREC WTAQ WTOC WVVVA
 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 WEAF
 WJAR, WWJ
 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 WBBM WCAE WCSH WDAF
 WEAF WEBC WEEI WFGA WGY
 WHO WJAR WKY WLIT WOAI
 WOC WOV WRC WSAI WTAG
 WTAM WTIC WTMJ WWJ KPRC
 B — Nestle's Program
 KDKA KOIL KWK WBAL WBZA
 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 WBRC WBT WDAE
 WDBJ WDBO WDDO 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 KHJ KLZ
 KMBC KMOX KOIN KOL WABC
 WADC WBT WCAO WCAU WCCO
 WDRC WDSU WEAN WFBL WGN
 WGR WGST WHK WJAS WKRC
 WMAL WNAC WWOV 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 KMOX WABC WADC
 WBT WCAO WCAU WCCO WDBJ
 WDRC WEAN WFBL WGN WGST
 WHK WJAS WKBW WKRC WMAL
 WNAC WOKO WORC WOV WREC
 WRR WSPD WTAR WXYZ

R — Cliquot Club
 KSD WBBM WCAE WCHS WDAF
 WEAF WEEI WGY WHO WJAR
 WLIT WLS WOC WOV WRC WSAI
 WTAG WTIC WWJ

B — Friendship Town
 CFCF CKGW KDKA KFI KFSD
 KFJR 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 WKY WMC WOAI
 WREN WRVA WSB WSM WSMB
 WTMJ WWNC

E-9:30 p.m., C-8:30, M-7:30, P-6:30
 C — To the Ladies
 KMBC KMOX KRLD WABC WADC
 WCAO WCAU WCCO WDRC WEAN
 WFBL WGN WGST WHK WJAS
 WKBW WKRC WMAL WNAC WOKO
 WOV WSPD WXYZ

R — Pond's Program, Leo Reisman
 KSD WBBM WCAE WCHS WDAF
 WEAF WENR WFR WGY WHO
 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
 WEBC WFAA WGAR WEAM WHAS
 WIOD WJAX WJDX WJR WJZ
 KKY 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
 WDRC WDSU WEAN WFBL WGN
 WHK WJAS WKBW WKRC WLAC
 WMAL WMT WNAC WNOX WREC

E-10:00 p.m., C-9:00, M-8:00, P-7:00
 C — Cafe Budapest
 CFRB KDYL KFH KFJF KGB
 KHJ KLMC KOH KRLD KTSB
 KVOR WAAB WABC WADC WBRC
 WBT WCAH WCAO WCAU WDAE
 WDBO WDRC WEAN WFBL WHEC
 WHK WHP WIBW WISN WJAS
 WKBW WKRC WLAP WLWB WLWB
 WMAL WMT WNAX WOKO WORC
 WOV WREC WTAQ WTAR WTOC
 R — Sampler Orchestra, Andy Sannella
 KSD WBBM WCAE WCHS WDAF
 WEAF WEEI WFR WGY WHO
 WJAR WLIT WOC WOV WRC WSAI
 WTAG WTAM WWJ

B — Paul Whiteman's Chieftains
 KDKA KFI KFSD KFJR KGO
 KGW KHQ KOA KOIL KOMO
 KPRC KSL KSTP KTAR KVOO KWK
 WBAL WBAP WBZA WCKY WDAY
 WEBC WENR 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 KFJR KGO KGW KHQ
 KOA KOMO KSD KSL KTAR WBBM
 WCAE WCHS WDAY WEAF WEEI
 WENR WFR WFLA WGY WHAS
 WHO WIBA WIOD WJAR WJAX
 WJDX WKY WLIT WMC WOAI
 WOC WOV WRC WRVA WSAI
 WSB WSMB WTAG WTAM WTIC
 WTMJ WWJ

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 WBRC WBT WCAO WCAU
 WDAE WDBJ WDBO WDDO WDSU
 WEAN WFBL WFIW WGST WHEC
 WHK WJAS WKBW WLAC WLWB
 WLWB WPMG WNOX WODX 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 WBBM WCRF WEAF WEEI
 WJDX WJAR WOV WRC WWJ
 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 p.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
 WBBM WCAE WCHS WDAF WEAF
 WFR WGY WHO WJAR WLIT
 WOC WOV WRC WTAG WTAM
 WTMJ

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
 B — 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 Topper, See Tuesday
 C — Leon Belasco and Orchestra
 KFAB KFBC KFH KFJF KFRC
 KGB KHJ KLZ KOH KOL KSCJ
 KVI KVOR WAAB WABC WBCM
 WBIG WBT WCAH WCAO WDBJ
 WDDO WDSU WFBL WFBM WFIW
 WGST WHP -WIBW WISN WJAS
 WKBN WKBW WLAC WLAP WLWB
 WLWB WMBD WMT WNOX WOKO
 WORC WREC WSDP WTOC WXYZ

E-6:45 p.m., C-5:45, M-4:45, P-3:45
 C — Connie Boswell
 CFRB KFH KFJF KFPY KFRC KGB
 KHJ KMBC KMOX KOH KOL
 KSCJ KVOR WAAB WABC WACO

WBRC WBT WCAH WCAU WCCO
WDBO WDRC WFBL WFP WISN
WJAS WKBN WKWB WKRC WLAP
WLBW WLBZ WMAL WMT WOKO
WORC WQAM WREC WTCC 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 KFBR KFH KFJF KFRC
KGB KHJ KMBC KMOX KOH
KSCJ KVI KFOR WABC WADC
WBCM WBIG WBT WCAH WCAO
WCAU WDAE WDBJ WDBO WDDO
WDRC WDSU WEAN WFBL WFBM
WGR WGST WHEC WHP WIBW
WJAS WKBN WKBN WKRC WLAC
WLAP WLBW WLBZ WMAL WMT
WNAC WNAX WQAM WREC WTAR
WTCC 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
WBEN WCBN WDAY WEAF WECB
WENR WFI WFLA WFO 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 WABC 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
KFRC KGB KHJ KLRA KMBC
KOH KOH KRLD KSCJ KVI KFOR
WABC WADC WBCM WBIG WBT
WCAH WCAO WCAU WDAE WDBJ
WDBO WDDO WDRC WDSU WFBL
WFBM WGR WGST WHEC WHP
WIBW WISN WJAS WKBN WKRC
WLAC WLAP WLBW WLBZ WMT
WNAC WNAX WOKO WPG WREC
WSPD WTAQ WTAR WTCC WVVVA
WXYZ KFBK

R—Civic Concerts
CKGW KSD WCAE WCSH WDAF
WEAF WFBM WFI WHO WIOD
WIS WJAR WJAX WMAQ WOC
WOW WRC WTCC WTVJ WNNC
B—Danger Fighters
KDKA KFI KFSD KFYR KGO KGW
KHQ KOA KOIL KOMO KPRC
KSL KSTP KTAR KWK WAPI
WBAP WCKY WDAY WECB WHAM
WHAS WIBA WJDX WJZ WKY
WLS WSM WCAI 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 KTA KFOR
WABC WADC WBCB WBT WCAH
WCAO WCAU WCCO WDAE WDBO
WEAN WFBL WGR WHEC WHP
WIBW WISN WJAS WKBN WLAP
WLBW WLBZ WMAL WMT WNAC

WNAX WOKO WORC WPG WQAM
WREC WTAQ WTAR WTCC WVVVA
R—Radio in Education
KFI KFSD KFYR KGHL KGIR KGO
KGW KHQ KOA KOMO KPRC KSD
KSL KSTP KTAR KYW WBBN
WCAE WCSH WDAF WDAY WEAF
WECB WEEI WFBM WFI WFLA
WGY WHAS WHO WIBA WIOD
WJAR WJAX WJDX WKY WMC
WOC WOV WRC WRVA WSAI
WSB WSM WSMB WTAG WTAM
WTIC WTMJ WWJ WNNC WIS
B—Dance, Countess D'Orsay
CFRC CKGW KDKA KWK WBAL
WBZA WGAR WHAM WJR WJZ
WLV 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 WKWB WXYZ

R—Goodyear, Pryor's Band
KFI KFSD KFYR KGHL KGIR KGO
KGW KHQ KOA KOMO KPRC KSD
KSL KSTP KTAR KYW WAPI
WBAP WBBN WCAE WCSH WDAF
WDAY WEAF WECB WEEI WFBM
WFI WFLA WGY WHAS WHO
WIBA WIOD WIS WJAR WJAX
WJDX WKY WMC WOA WOC WOV
WRC WRVA WSAI WSB WSMB
WTAG WTAM WTIC WTMJ WWJ

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 WHBC
WHK WHP WJAS WKBN WKRC
WLAP WLBZ WMT WOWO WSPD

R—Club Valpar
CFRC CKGW KSD WBBN WCAE
WCSH WDAF WEAF WEEI WFBM
WFI WGY WHO WJAR WMAQ
WOC WOV WRC WSAI WTAG
WTAM WTIC WWJ
B—First Nighter
KDKA KFI KFSD KFYR KGO KGW
KHQ KOA KOIL KOMO KSL KSTP
KTAR KWK KYW WBAL WBZA
WDAY WECB WGAR WHAM WJR
WJZ WLW WREN WTMJ

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

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

WORC WPG WREC WSPD WTAQ
WTAR WTCC WVVVA WXYZ
R—Lucky Strike, See Tuesday
R—Russ Columbo, See Tuesday

E-10:15 p.m., C-9:15, M-8:15, P-7:15
B—Snoop and Peep
CFRC 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
CFRC 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 KFRC
KLZ KMBC KOH KSCJ KFOR
WAAB WABC WACO WADC WBBN
WBT WCAO WCAU WDAE WDBO
WDRC WEAN WFBL WHEC WHP
WIBW WISN WKBN WKWB WKRC
WLAP WLBW WLBZ WMT WNAX
WOKO WORC WQAM WREC WSPD
WTAR WTCC 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
WBBN WCAE WCKY WEAF WEEI
WFI WGY WHO WIBA WKY WOC
WRC WTIC WWJ

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 KFOR WABC
WEAN WFBL WISN WKBN WKWB
WKRK WLAP WLBW 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 WCSH
WDAF WDAY WEAF WENR WFBM
WFI WFLA WGY WHAS WHO
WIOD WJAR WKY WMC WOC
WPTF WRC WSM WSMB WTAM
WTIC WTMJ WWJ WNNC

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 KTA KVI KFOR
WAAB WABC WADC WBT WCAH
WCAO WCAU WCCO WDAE WDBO
WDRC WFBL WGR WHEC WHK
WHP WIBW WISN WJAS WKBN
WLAP WLBW WLBZ WMAL WMT
WOKO WORC WPG WQAM WSPD
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 KPFP KLZ KMBC
 KOH KOI KSCJ KTSa KVI KVOR
 WAAB WABC WADC WBRC WCAH
 WCAO WCAU WCCO WDAE WDBO
 WFLB WGR WHFC WHP WIBW
 WISN WKBN WLAP WLWB WLZB
 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 KFH KFJF KPFP
 KLZ KMBC KMOX KOH KOL
 KRLL KSCJ KTRH KVI WAAB
 WABC WBT WCAH WCAU WCCO
 WDAE WDBO WDRC WFBL WGR
 WHFC WHP WIBW WJAS WKBN
 WLAP WLWB WLZB WMAL WMT
 WOKO WPG WQAM WREC WTAQ
 WTAR WTOC WWVA WXYZ

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

E-1:15 p.m., C-12:15, M-11:15, P-10:15
P—Symphonic, Walter Damosch
 KDKA KFI KFSD KFYP KGO KGW
 KOA KOMO KPRC KSTP KTAR
 KVOO KWK WBAL WBZA WDAY
 WBEBC WFAA WFLA WGAR WHAS
 WIBA WIOD WIS WJAX WJDX
 WJR WJZ WLW WMAQ WOI
 WPTF WREN WRVA WSB WSM
 WSMB WWNC

E-1:30 p.m., C-12:30, M-11:30, P-10:30
R—Silver Plate
 WBN WCAE WDAF WEA WFI
 WGY WJAR WRC WTAG WTIC 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 WCSH WEA
 WEEI 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 KFYP
 KGO KGW KHQ KOA KPRC KSD
 KSL KSTP KTAR KVOO KYW
 WAPI WBN WCAE WCSH WDAF
 WDAY WEA WFB WEEI WFAA
 WFBR WFLA WGY WHAS WHO
 WIOD WJAR WJAX WJDX WKY
 WLIT WMC WOI WOC WOW
 WPTF WRC WRVA WSAI WSB
 WSM WSMB WTAG WTAM WTIC
 WTMJ WWJ

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

E-2:30 p.m., C-1:30, M-12:30, P-11:30
C—Church of the Air
 KDYL KFH KFJF KPFP KGB KLZ
 KMBC KOH KOL KSCJ KTRH
 KVOR WAAB WABC WACO WBT
 WCAO WCCO WDAE WDBO WDRC
 WFBL WHEC WHP WIBW WJAS
 WKBN WKBN WKRC WLAP WLWB
 WLZB WMAL WMT WOKO WORC
 WQAM WREC WTAQ WTAR WTOC
R—Moonshine and Honeysuckle
 KSD WCAE WCKY WCSH WDAF
 WEA WEEI WFBR WGY WJAR
 WMAQ WRC WTAG WTAM WTIC
 WWJ

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

KGW KHQ KOA KOIL KPO KPRC
 KSL KSTP KTAR KTHS KVOO KWK
 KYW WAPI WBAL WBZA WBEBC
 WFAA WFLA WGAR WHAM WHAS
 WIOD WIS WJAX WJDX WJR WJZ
 WKY WLW WMC WOI 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 KFRC KGB KLRA KLZ KMBC
 KOH KOIN KSCJ KVI KVOR WAAB
 WABC WADC WBCM WBIG WBRC
 WBT WCAH WCAO WCCO WDAE
 WDBJ WDDO WDRC WDSU WEAN
 WFAN WFBL WFIW WGST WHEC
 WHP WIBW WIP WISN WJAS
 WKBN WKBN WKWB WKRC
 WLAC WLAP WLWB WLZB WMAL
 WMBD WMT WNOX WODX WOKO
 WORC WQAM WREC WSPD WTAQ
 WTAR WTOC WWVA WXYZ

R—Wayne King and Orchestra
 KSD KYW WBN WCAE WCSH
 WDAF WEA WEEI WFBR WGY
 WHO WJAR WLIT WOC WOW
 WRC WSAI WTAG WTAM WTIC
 WWJ

B—National Youth Conference
 KFSD KFYP KGHL KGIR KGO
 KGW KHQ KOA KOMO KPRC KTAR
 KTHS KVOO KWK WAPI WBAL
 WCKY WFLA WGAR WIBA WIOD
 WIS WJAX WJDX WJZ WKY WMAQ
 WMC WOI 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 KFRC KGB KLRA KLZ KMBC
 KOH KOIN KSCJ KVI KVOR WAAB
 WABC WADC WBCM WBIG WBRC
 WBT WCAH WCAO WCCO WDAE
 WDBJ WDDO WDRC WEAN WFBL
 WFBM WFIW WGST WHEC WHK
 WHP WIBW WISN WJAS WKBN
 WKBN WKWB WKRC WLAC WLAP
 WLWB WLZB 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 KFYP KGO KGW KHQ KOA
 KOMO KPRC KSD KSL KSTP
 KTHS KYW WBN WCAE WCSH
 WDAF WDAY WEA WFB WEEI
 WFBR WFLA WGY WHAS WIOD
 WIS WJAR WJAX WJDX WKY
 WMC WOI WOC WPTF WRC
 WRVA WSAI WSB WSM WSMB
 WTAG WTAM WTIC WWJ WWNC
 KVOO

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—Dove Tree Hour
 CFCE CKGW WBN WCAE WCSH
 WDAF WEA WEEI WENR WFBR
 WFI WGY WHO WJAR WOC WOW
 WRC WSAI WTAG WTAM WTIC
 WWJ

E-5:00 p.m., C-4:00, M-3:00, P-2:00
C—Real Folks
 KFJF KMBC KRLL KTRH KTSa
 WABC WADC WBBM WBT WCAO

WCAU WHK WJAS WKRC WMAL
 WOWO WSPD WXYZ WGST

B—National Vespers, Dr. Fosdick
 CKGW KFI KFSD KFYP KGIR
 KGO KGW KHQ KOMO KPRC
 KSTP KTHS KVOO KWK WBAL
 WBZA WCKY WDAY WBEBC WFAA
 WFLA WGAR WHAM WIBA WIOD
 WIS WJDX WJZ WKY WMAQ
 WOI WPTF WREN WRVA WSB
 WSM WSMB WWNC

E-5:30 p.m., C-4:30, M-3:30, P-2:30
C—Blue Cal Revue
 CFRB WAAB WABC WBR WCAO
 WCAU WEAN WFBL WGR WHEC
 WHP WOKO WORC

R—General Electric Circle
 KECA KEX KFYP KGA KJR KOA
 KPO KPRC KSD KSL KSTP KTAR
 KVOO WAPI WBA WBN WCAE
 WCSH WDAF WDAY WEA WFB
 WEEI WENR WFBR WFI WFLA
 WGY WHAS WHO WIBA WIOD
 WIS WJAR WJAX WJDX WKY
 WMC WOI WOC WOW WPTF
 WRC WRVA WSAI WSB WSM
 WSMB WTAG WTAM WTIC 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 WBR WBT WDAE WDBJ
 WDDO WDSU WFIW WGST WLAC
 WNOX WQAM WREC WTAR WTOC
C—Chicago Knights
 KFJF KPFP KFRC 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 KVOO WBN WCAE WCSH
 WDAF WEA WFB WFAA WFLA
 WGY WHAS WHO WIOD WJAR
 WJDX WKY WLIT WLS WMC WOI
 WOC WOW WRC WSAI WSB WSMB
 WTAG WTAM WTIC WTMJ WWJ
B—Raising Junior
 KWK KYW WBAL WBEBC WGAR
 WHAM WIBA 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 WDAE WBIG
 WBR WBT WCAU WAD WDDO
 WDSU WEAN WFBL WFIW WGST
 WHEC WHP WJAS WKWB WLAP
 WLZB 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 WIBW WISN
 WMT WSPD WXYZ

E-7:00 p.m., C-6:00, M-5:00, P-4:00
B—Willys-Overland Orchestra
 CFCE KDKA KFI KFSD KFYP
 KGHL KGO KGW KHQ KOA KOMO
 KPRC KSL KSTP KTAR KVOO KWK
 KYW WBAL WBZA WCKY WDAY
 WBEBC WGAR WHAM WHAS WIBA
 WJDX WJR WJZ WMC WOI 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 KFPY KFRC KLZ
KMBC KMOX KOH KOL KSCJ
KTSa KVI KVOR WABC WACO
WADC WBCM WBRc WCAH WCAO
WCAU WCCO WDAE WDBJ WDRc
WDSU WEAN WFBL WFBM WGL
WGR WGST WHcC WHK WHP
WIBW WISN WJAS WKRC WLAC
WLAP WLWB WLWB WMAL WMT
WNAC WODX WOKO WORC WTAR
WTOC WWVA WXYZ

R—Rezell Program
CFcF KFI KFyR KGHl KGIR KGO
KGW KHQ KOA KOMO KSD KSL
KVOO WCAE WcSH WDAF WDAY
WEAF WEBC WFBM 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 WREN

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 WHKB WKRC WMAL WNAC
WNAX WREC WXYZ

R—Jodent Club
KSD WBEN WCAE WcSH WDAF
WEAF WFBM WGY WHO WJAR
WLIT WLS WOC WRC WSAI WTAG
WTAM WTIC WWJ

B—Three Bakers
CFcF KDKA KFI KFSD KFyR
KGO KGW KHQ KOA KOIL KOMO
KPRC KSL KSTP KTAR KVOO
KWK KYW WBAL WBAZ WDAY
WEBC WFAA WFLA WGAR WHAM
WHAS WIBA WIOD WJDX WJR
WJZ WKY WLW WMO WOI WREN
WRVA WSB WSM WSMB WTMJ

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

C—The Sylvania's
KMBC KMOX WABC WCAO
WCCO WDRc WGL WGN WGR
WJAS WKRC WNAC WOKO WXYZ
WCAU

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

C—Pennzoy Parade
KDYL KFPY KFRC KHJ KLZ
KMBC KMOX KOIN KOL KSCJ
KTSa WABC WADC WBRc WCAO
WCAU WCCO WDRc WDSU WEAN
WFBL WFBM WGN WGR WGST
WHcC WHK WIBW WISN WJAS
WKRC WLAC WMAL WNAC WREC
WRR WSPD WXYZ

R—Chase & Sanborn
CFcF CKGW KPRC KSD KSTP
KTHS KVoo WBEN WCAE WcSH
WDAF WEAF WEBC WFAA WFLA
WGY WHAS WHO WIOD WJAR
WJDX WKY WLIT WLS WMC
WOAI WOC WOV WRC WSAI
WSB WSMB WTAG WTAM WTIC
WTMJ WWJ

B—Enna Jeddick Melodies

CFcF CKGW KDKA KFI KFSD
KFyR 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
WBAZ 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 WBGW WBRc WBT WCAH
WCAO WCCO WDAE WDBJ WDBO
WDRc WDSU WEAN WFAN WFBL
WFBM WGR WGST WHK WHP
WIBW WIP WISN WJAS WKBN
WLAP WLWB WLWB 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 WFAN WGN
WGR WHK WJAS WKRC WLAC
WNAC WOV WSPD WXYZ

C—Col. Stoopnagle and Budd

WBCM WDAE WDBO 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 KFAB KFJF KFRC
KLRA KLZ KMOX KOH KSCJ
KVI KVOR WABC WADC WBCM
WBRc WBT WCAH WCAO WCCO
WDAE WDBJ WDBO WDOE WDCR
WDSU WEAN WFBM WGR WGST
WHcC WHK WHP WIBW WISN
WJAS WKBN WLAC WLAP WLWB
WLWB WMAL WMT WNAC WNOX
WODX WOKO WORC WQAM WSPD
WTAR WWVA WXYZ

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

R—Album of Familiar Music
KFI KFSD KFyR KGO KGW KHQ
KOA KOMO KPRC KSD KSL KSTP
KTAR KTHS KVOO WAPI WBEN
WCAE WcSH WDAY WEAF WEBC
WENR WFBM 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 WBAZ
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 KFPY KFRC KHJ
KLZ KMOX KOIN KOL WABC
WADC WCAO WCAU WDRc WEAN
WFBL WGN WGR WHK WJAS
WKRC WMAL WNAC 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 KFyR KGO KGW KHQ
KOA KOMO KPRC KSD KSL KSTP
KTAR WAPI WBEN WCAE WcSH
WDAF WDAY WEAF 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—Kelloug Slumber Music

KDKA KWK KYW WBAL WBAZ
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 KTSa WAAB WABC
WADC WBBM WBRc WCAO WCAU
WCCO WDAE WDSU WFBL WFBM
WGST WHcC WHK WISN WJAS
WKBW WKRC WLAP WLWB WMAL
WOKO WORC WOV 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 WBAZ 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 KFFK KMBC
KMOX KOH KTRH KVOR WABC
WADC WBT WCAH WCAO WCAU
WDAE WDBO WDRc WEAN WFBL
WHcC WHP WIBW WISN WJAS
WKBN WKRC WLAP WLWB WLWB
WMAL WMT WNAC WOKO WORC
WPG WQAM WREC WSPD WTAR
WTOC WWVA WXYZ

E-10:45 p.m., C-9:45, M-8:45, P-7:45

R—Sunday at Seth Parker's
CKGW KFSD KFyR KGHl KGIR
KGO KGW KOA KPRC KSL KSTP
KTAR KYW WAPI WBEN WCAE
WcSH WDAF WDAY WEAF WEBC
WEEI WFBM WFI WFLA WGY
WHAS WHO WIBA WIOD WIS
WJAR WJAX WJDX WKY WMC
WOAI WOC WOV 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 WHcC
WHP WIBW WISN WKBN WKRC
WLAP WLWB WLWB WMAL WMT
WNAX WOKO WPG WQAM WREC
WSPD WTAR WTOC WWVA WXYZ

E-11:15 p.m., C-10:15, M-9:15, P-8:15

R—Ralph Kirby, Dream Singer
WCAE WDAF WBAF WENR WFBM
WFI WGY WHO WOC WOV 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
WHcC WHK WHP WIBW WISN
WKBN WKRC WLAP WLWB WLWB
WMAL WMT WNAC WNAX WOKO
WPG WQAM WREC WSPD WTAR
WTOC WWVA WXYZ

R—Jesse Crawford at Organ

WCAE WCKY WDAF WEAF WENR
WFBM 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 WKBN WKRC WLAP
WLWB WMT WNAC WNAX WOKO
WSPD WTAR

INDEX BY FREQUENCIES AND DIAL NUMBERS

NOTICE OF COPYRIGHT

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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

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Manitoba Telephone System

550 kilocycles 545.1 meters

KFDY † 500 1+ Brookings, S. D.
 KFUD * 500 2+ St. Louis, Mo.
 KFVR † 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

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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.

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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 --- Guatemala
 WEO † 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.

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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 † 500 D Pierre, S. D.
 KSAC * 200 2+ Manhattan, Kans.
 -- WIBW * 1000 2+C Topeka, Kansas
 -- WOBU * 250 1+ Charleston, W. Va.
 WSAZ * 250 1 Huntington, W. Va.
 WTAG * 250 R Worcester, Mass.

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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.
 WOBU, Inc.
 WSAZ, Inc.
 Telegram Publishing Co.

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KCYS.
670
MTRS.
447.5
DIAL

590 kilocycles 508.2 meters

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

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

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

600 kilocycles 499.7 meters

CNFO	†	500	---
KFRD	--	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.

Canadian National Railways
Arifan 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
WFRN	*	500	Ca
WIP	*	500	Ca
WJAY	†	500	D

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

Dor 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.

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	---
KFRU	*	500	I
WGBF	†	500	I
WMAL	*	250	+C
WOS	*	500	I
XETF	--	500	---
-----	--	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.

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	*	5000	N
WAIU	*	500	C Dn
WOI	*	5000	D

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

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.

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	D
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.

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.

Wesley United Church
National Broadcasting Co.

CUT OUT ON DOTTED LINES

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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	Glace 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
---	-----	---	------	---	------------------

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Crosley Radio Corp.

710 kilocycles 422.3 meters

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

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

720 kilocycles 416.4 meters

→	WGN	†	25000	C	Chicago, Ill.
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Chicago Tribune

730 kilocycles 410.7 meters

→	CHLS	--	100	1b	Vancouver, B. C.
	CHYC	*	5000	Sa	Montreal, Que.
	CKAC	†	5000	Ca	Montreal, Que.
	CKGD	--	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.

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W. G. Hassell
Northern Electric Co., Ltd.
La Presse Publishing Co., Ltd.
Vancouver Daily Province
United Church of Canada
Sprott-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

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

770 kilocycles 389.4 meters

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

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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.

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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

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790 kilocycles 379.5 meters

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

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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	IN	Dallas, Texas

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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.
WPCH	*	500	D	New York City
XFC	--	250	---	Aguascalientes, 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.
WBEU	--	1000	D	Reading, Pa.
WGM	--	50	--	Jeanette, Pa.
WHDH	--	1000	D	Boston, Mass.
WRUF	*	5000	Dn	Gainesville, Fla.

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

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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.

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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

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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.
CKVC	†	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.
WCOC	*	500	+	Meridian, Miss.
WGBI	*	250	1	Scranton, Pa.
WQAN	*	250	1	Scranton, Pa.
WSUI	*	500	---	Iowa City, Iowa

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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

CUT OUT ON DOTTED LINES

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—	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
—	CKCK	†	500	3a
—	CKNC	*	500	---
—	CMBC	--	150	965
—	CMBD	--	150	965
—	CNRR	--	500	3a
—	XED	*	10000	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
—	TI4NRH	--	15	---

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

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

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
—	WGOE	--	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, Oro.
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	---
—	CMZB	--	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	*	10000	Na
—	KYW	*	10000	Na
—	WRAX	†	250	D
—	XEFD	--	300	---

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

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

KCYS. 1020
MTRS. 293.9
DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

1030 kilocycles 291.1 meters
 CFCK -- 500 N Montreal, Que.
 CMKC * 150 1034 Santiago de Cuba
 CNRV † 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
 KWJ J * 500 Dn Portland, Ore.
 WEAL * 10000 1N Baltimore, Md.
 WJAG * 1000 Dn Norfolk, Nebr.
 WTIC * 50000 1N Hartford, Conn.

KWJ J 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.
 WDJ † 100 D Tuscola, Ill.
 WTAM * 50000 R Cleveland, Ohio

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

1080 kilocycles 277.6 meters
 WBT * 5000 CX Charlotte, N. C.
 WCB D * 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
 CFCA † 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. Dalglish & 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 --- Matanzas, Cuba
 CMTJG -- 30 --- Camaguey, Cuba
 KBJM -- 100 D --- Paragoué, 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.
 KGHJ * 100 --- Little Rock, Ark.
 KGI † 100 + Olympia, Wash.
 KMLB -- 100 D --- Monroe, La.
 KVOS * 100 --- Bellingham, Wash.
 KWG * 100 --- Stockton, Cal.
 WAB1 † 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 --- Jamesville, 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.
 WKJC * 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.
 WWAEB * 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.
 Limer'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

CUT OUT ON DOTTED LINE

INDEX BY FREQUENCIES AND DIAL NUMBERS

1210 kilocycles 247.8 meters

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CFCO	--	250	8	Chatham, Ont.
CFNB	*--	50	---	Fredericton, N. B.
CJOR	*	500	---	Vancouver, B. C.
CKMC	*	100	8	Cobalt, Ont.
KDFN	†	100	---	Casper, Wyo.
KDLR	†	100	---	Devil's Lake, N. D.
KFJI	†	100	---	Klamath Falls, Ore
KFOR	†	100	+	Lincoln, Nebr.
KFVS	*	100	6	Cape Girardeau, Mo.
KFXM	†	100	9	San Bernardino, Cal.
KGCR	†	100	---	Watertown, S. D.
KGNO	†	100	---	Dodge City, Kansas
KMJ	*	100	---	Fresno, Cal.
KPPC	\$	50	9	Pasadena, Cal.
KWEA	*	100	---	Shreveport, La.
WALR	*	100	---	Zanesville, Ohio
WBAX	*	100	1	Wilkes-Barre, Pa.
WBBL	†	100	7S	Richmond, Va.
WCBS	*	100	2	Springfield, Ill.
WCOH	*	100	3	Yonkers, N. Y.
WCRW	*	100	4	Chicago, Ill.
WEBQ	*	100	6	Harrisburg, Ill.
WEDC	†	100	4	Chicago, Ill.
WGBB	†	100	3	Freeport, N. Y.
WGCM	*	100	---	Gulfport, Miss.
WHBF	*	100	---	Rock Island, Ill.
WHBU	†	100	---	Anderson, Ind.
WIBU	*	100	---	Poynette, Wis.
WJBI	†	100	3	Red Bank, N. J.
WJBU	†	100	1	Lewisburg, Pa.
WJBY	*	100	---	Gadsden, Ala.
WJW	*	100	---	Mansfield, Ohio
WLCI	*	50	---	Ithaca, N. Y.
WMBG	*	100	7	Richmond, Va.
WMRJ	*	100	3	Jamaica, N. Y.
WOCL	*	50	---	Jamestown, N. Y.
WOMT	*	100	---	Manitowoc, Wis.
WPAW	*	100	5	Pawtucket, R. I.
WPRO	*	100	5	Providence, R. I.
WQDX	*	100	---	Thomasville, Ga.
WRBO	†	100	+	Greenville, Miss.
WSBC	†	100	4	Chicago, Ill.
WSEN	†	100	---	Columbus, Ohio
WSIX	*	100	---	Springfield, Tenn.
WSOC	†	100	---	Gastonia, N. C.
WTAX	†	100	2	Springfield, Ill.
XEX	--	500	---	Mexico City

Western Ontario "Better Radio" Club
 James S. Neill & Sons, Ltd.
 G. C. Chandler
 R. L. MacAdam
 Donald Lewis Hathaway
 KDLR, 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
 Gadsen Broadcasting Co., Inc.
 Mansfield Broadcasting Assn.
 Lutheran Assn. of Ithaca
 Havers & Martin, Inc.
 Peter J. Prinz
 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

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CMBY	--	350	1225	Havana, Cuba
CMCA	--	150	1225	Havana, Cuba
KFKU	*	500	1	Lawrence, Kansas
KTW	*	1000	---	Seattle, Wash.
KWSC	*	1000	+	Pullman, Wash.
WCAD	*	500	D	Canton, N. Y.
WCAE	*	1000	R	Pittsburgh, Pa.
WDAE	*	1000	C	Tampa, Fla.
WREN	*	1000	1B	Lawrence, Kansas

Callejas-Cosculluela
 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

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KFQD	--	100	---	Anchorage, Alaska
KGGM	†	250	+	Albuquerque, N. Mex.
KYA	*	1000	---	San Francisco, Cal.
WBIS	*	1000	a	Boston, Mass.
WFBM	*	1000	1C	Indianapolis, Ind.
WNAC	*	1000	aC	Boston, Mass.
WPSC	*	500	D	State College, Pa.
WSBT	†	500	1C	South Bend, Ind.
XETQ	--	100	---	Mexico, Mex.

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

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CMAB	--	20	1249	Pinar del Rio, Cuba
KGCU	--	250	3	Mandan, N. D.
KLPM	†	250	3	Minot, N. D.
KTAT	†	1000	1	Ft. Worth, Texas
KTFL	†	250	1+	Twin Falls, Idaho
WACO	†	1000	1C	Waco, Texas
WXYZ	†	1000	C	Detroit, Mich.

Francisco Martinez
 Mandan Radio Assn.
 John B. Cooley
 S. A. T. Broadcast Co.
 Radio Broadcasting Corp.
 Central Texas Broadcasting Co., Inc.
 Kunskey-Trendle Broadcasting Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

KFUP	↑	100	8	Denver, Colo.
KFXJ	↑	100	8	Grand Junction, Colo.
KFXR	↑	100	+	Oklahoma City
KGBX	↑	100	---	St. Joseph, Mo.
KGCX	↑	100	+	Wolf Point, Mont.
KGEZ	↑	100	---	Kalispell, Mont.
KGFW	↑	100	---	Kearney, Nebr.
KIT	↑	100	---	Yakima, Wash.
KMED	↑	100	---	Medford, Ore.
KRMD	↑	50	9	Shreveport, La.
KTLC	↑	100	---	Houston, Texas
KTSM	↑	100	2	El Paso, Texas
KWCR	↑	100	7	Cedar Rapids, Iowa
KXRO	↑	100	---	Aberdeen, Wash.
WBEO	↑	100	---	Marquette, Mich.
WBOW	*	100	---	Terre Haute, Ind.
WBRE	*	100	---	Wilkes-Barre, Pa.
WCLS	*	100	1	Joliet, Ill.
WDAH	↑	100	2	El Paso, Texas
WEBR	↑	100	+	Buffalo, N. Y.
WEXL	↑	50	---	Royal Oak, Mich.
WFBG	↑	100	3X	Altoona, Pa.
WFDF	↑	100	---	Flint, Mich.
WFDV	↑	100	D	Rome, Ga.
WGAL	↑	100	5	Lancaster, Pa.
WGH	*	100	---	Newport News, Va.
WHAT	↑	100	4	Philadelphia, Pa.
WJAC	↑	100	3	Johnstown, Pa.
WJAK	*	50	6	Elkhart, Ind.
WKAV	*	100	---	Laconia, N. H.
WKBB	*	100	1	Joliet, Ill.
WKBC	*	100	---	Birmingham, Ala.
WKBS	*	100	---	Galesburg, Ill.
WLBC	↑	50	6	Muncie, Ind.
WMBO	↑	100	---	Auburn, N. Y.
WNBH	*	100	---	New Bedford, Mass.
WOL	*	100	---	Washington, D. C.
WRAW	*	100	5X	Reading, Pa.
WROL	↑	100	---	Knoxville, Tenn.
WSAJ	*	100	---	Grove City, Pa.
WSJS	*	100	---	Winston-Salem, N. C.
WTEL	*	100	4	Philadelphia, Pa.
WTJS	↑	100	+	Jackson, Tenn.
WTSL	↑	100	9	Laurel, Miss.
XEFB	--	50	1315	Monterrey, N. L.

Fitzsimmons General Hospital
Western Slope Broadcasting Co.
Exchange Ave. Baptist Church
KGBX, Inc.
First State Bank of Vida
Donald C. Treloar
Central Nebraska Broadcasting Corp.
Carl E. Haymond
Mrs. W. J. Virgin
Robert M. Dean
Houston Broadcasting Co.
W. S. Bledsoe & W. T. Blackwell
Cedar Rapids Broadcast Co.
KXRO, Inc.
Lake Superior Broadcasting Co.
Banks of Wabash, Inc.
Louis G. Baltimore
WCLS, Inc.
Bledsoe & Blackwell
Howell Broadcasting Co., Inc.
Royal Oak Broadcasting Co.
Wm. F. Gable Co.
Frank D. Fallain
Rome Broadcasting Corp.
WGAL, Inc.
Hampton Roads Broadcasting Corp
Independence Broadcasting Co.
Johnstown Automobile Co.
Truth Publishing Co., Inc.
Laconia Radio Club
Sanders Bros. Radio Station
R. B. Broyles Furniture Co
Permil N. Nelson
Donald A. Burton
WMBO, Inc.
New Bedford Broadcasting Co.
American Broadcasting Co.
Reading Broadcasting Co.
Stewart Broadcasting Co.
Grove City College
Winston-Salem Journal Co.
Foulkrod Radio Engineering Co.
Sun Publishing Co.
G. A. Houseman
Quintanilla y Stevenson

1320 kilocycles 227.1 meters

KGHF	↑	250	+	Hueblo, Colo.
KGMB	↑	250	C	Honolulu, Hawaii
KID	*	250	+	Idaho Falls, Idaho
WADC	↑	1000	C	Akron, Ohio
WSMB	*	500	N	New Orleans, La.

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C. P. Ritchie & J. E. Finch
Honolulu Broadcasting Co., Ltd.
KID Broadcasting Co.
Allen T. Simmons
WSMB, Inc.

1330 kilocycles 225.4 meters

KGB	*	500	C	San Diego, Cal.
KSCJ	*	1000	1+C	Sioux City, Iowa
WDRG	*	500	C	Hartford, Conn.
WSAI	*	500	R+	Cincinnati, Ohio
WTAQ	*	1000	1C	Eau Claire, Wis.

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Don Lee, Inc.
Perkins Bros. Co.
WDRG, Inc.
Crosley Radio Corp., Lessee
Gillette Rubber Co.

1340 kilocycles 223.7 meters

CMCG	--	30	1345	Havana, Cuba
CMCR	--	150	1345	Havana, Cuba
CMCY	--	50	1345	Havana, Cuba
KFPW	↑	50	D	Fort Smith, Ark.
KFPY	↑	1000	C	Spokane, Wash.
WCOA	*	500	---	Pensacola, Fla.
WSPD	*	1000	C	Toledo, Ohio

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Jose Justo Moran
Aurelio Hernandez
M. D. Autran
Southwestern Hotels Co.
Symons Broadcasting Co.
Pensacola Broadcasting Co.
Toledo Broadcasting Co.

1350 kilocycles 222.1 meters

KIDO	↑	1000	---	Boise, Idaho
KWK	↑	1000	B	St. Louis, Mo.
WAWZ	*	250	1	Zarephath, N. J.
WBNX	*	250	1a	New York City
WCDA	*	250	1	New York City
WEHC	*	500	D	Emory, Va.
WMSG	--	250	1a	New York City

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Boise Broadcasting Station
Greater St. Louis Brdctg Corp.
Pillar of Fire
Standard Cahill Co., Inc.
Italian Educ. Broadcasting Co., Inc.
Emory & Henry College
Madison Sq. Garden Brdctg. Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1360 kilocycles 220.4 meters

KGER	*	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	†	500	D	Vicksburg, Miss.
XEG	---	100	---	Mexico, Mex.

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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.
KFIM	†	100	---	Grand Forks, N. D.
KFIZ	†	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.
WBCF	†	50	---	Glens Falls, N. Y.
WBTM	†	100	7	Darville, Va.
WCBM	*†	100	+Z	Baltimore, Md.
WDAS	†	100	+Z	Philadelphia, Pa.
WGL	†	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.
WJTL	†	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.
WRAK	*†	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.

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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. Harseth, 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.

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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	*†	1800	C	Cleveland, Ohio

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Arkansas Broadcasting Co.
Nielsen 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

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Francisco Mayorquim
Armado Romeu
Hernani Torralbas

CUT OUT ON
DOTTED LINES



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.
WBCM	*	500	C	Bay City, Mich.
WDAG	*	1000	1	Amarillo, Texas
WHBL	*	500	4	Sheboygan, Wis.
WHIS	†	250	2	Bluefield, 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
KFXV	---	100	---	Flagstaff, Arizona
KFYU	†	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
WDEV	---	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.
WLBK	†	100	---	Kansas City, Kansas
WMBK	---	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
 KGGF 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.
 Valdemar Jensen
 Marius Johnson
 WKBI, Inc.
 WLBK 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.
WHCC	---	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.
 WHCC, 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.

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INDEX BY FREQUENCIES AND DIAL NUMBERS

WCBA	*	250	a	Allentown, Pa.
WMBD	*	500	3+C	Peoria Heights, Ill.
WSAN	*	250	a	Allentown, Pa.
WTAD	†	500	3	Quincy, Ill.

B. B. Musselman
Peoria Broadcasting Co.
Allentown Call Publishing Co., Inc.
Illinois Broadcasting Corp.

1450 kilocycles 206.8 meters

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KTBS	†	1000	---	Shreveport, La.
WBMS	*	250	1	Hackensack, N. J.
WGAR	†	500	B	Cleveland, Ohio
WHOM	*	500	1	Jersey City, N. J.
WNJ	*	250	1	Newark, N. J.
WSAR	*	250	---	Fall River, Mass.
WTFI	--	500	---	Athens, Ga.

Tri-State Broadcasting System, Inc.
WBMS Broadcasting Corp.
WGAR Broadcasting Co.
New Jersey Broadcasting Corp.
Radio Investment Co.
Doughty & Welch Electric Co., Inc.
Toccoa Falls Broadcasting Co.

1460 kilocycles 205.4 meters

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KSTP	*	10000	N	St. Paul, Minn.
WJSV	*	10000	---	Alexandria, Va.

National Battery Broadcasting Co.
WJSV, Inc.

1470 kilocycles 204.0 meters

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KGA	†	5000	B	Spokane, Wash.
WLAC	*	5000	C	Nashville, Tenn.

Northwest Broadcasting System, Inc.
Life & Casualty Insurance Co.

1480 kilocycles 202.6 meters

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KFJF	*	5000	C	Oklahoma City
WKBW	*	5000	C	Buffalo, N. Y.

National Radio Mfg. Co.
Buffalo Broadcasting Co., Lessees

1490 kilocycles 201.2 meters

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WCHI	*	5000	1	Chicago, Ill.
WCKY	*	5000	1N	Covington, Ky.

Midland Broadcasting Company
L. B. Wilson, Inc.

1500 kilocycles 199.9 meters

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CMBL	--	20	---	Havana, Cuba
CMBQ	--	50	---	Havana, Cuba
CMBR	--	15	---	Havana, Cuba
KCMC	--	100	Y	Texarkana, Ark.
KDB	*	100	---	Santa Barbara, Cal.
KGFI	*	100	+	Corpus Christi, Texas
KGFK	†	50	---	Moorhead, Minn.
KGIZ	†	100	---	Grant City, Mo.
KGKB	--	100	---	Tyler, Texas
KGKY	*	100	---	Scottsbluff, Nebr.
KPJY	*	100	---	Prescott, Arizona
KPO	†	50	---	Wenatchee, Wash.
KREG	†	100	---	Santa Ana, Cal.
KUT	†	100	---	Austin, Texas
KXO	*	100	---	El Centro, Cal.
WKBV	*	100	+	Connersville, Ind.
WKBZ	†	50	---	Ludington, Mich.
WLBY	*	100	1	Long Island City, N. Y.
WLOE	*	100	+	Boston, Mass.
WMBQ	†	100	---	Newport, R. I.
WMBQ	*	100	1	Brooklyn, N. Y.
WMIL	†	100	1	Brooklyn, N. Y.
WMPG	†	100	---	Lapeer, Mich.
WNBZ	*	100	---	Binghamton, N. Y.
WOPJ	*	100	---	Bristol, Tenn.
WPFN	*	100	+	Philadelphia, Pa.
WRDW	*	100	---	Augusta, Ga.
WSYB	†	100	---	Rutland, Vt.
WWRL	*	100	1	Woodside, N. Y.
WWSW	*	100	---	Pittsburgh, Pa.
XETZ	--	100	---	Coyoacan, D. F.

Julio C. Hidalgo
Gali-Sardinas
Tomas Basal
North Mississippi Brdcastg. Corp.
Santa Barbara Broadcasters, Ltd.
Eagle Broadcasting Co., Inc.
Red River Broadcasting Co., Inc.
Grant City Park Corp.
East Texas Brdcastg. Co.
Hilliard Co., Inc.
A. P. Miller
Wescoast Broadcasting Co.
J. S. Edwards
KUT Broadcasting Co.
E. R. Irey and F. M. Bowles
Knox Battery & Electric Co.
K. L. Ashbacker
John N. Brahy
Boston Broadcasting Co.
LeRoy Joseph Beebe
Paul J. Gollhofer
Arthur Fiske
First M. P. Church
Howitt, Wood Radio Co., Inc.
Radiophone Brdcastg. Station, Inc.
Wm. Penn Broadcasting Co.
Musicove, Inc.
Phillip Weiss Music Co.
Long Island Broadcasting Corp.
Walker & Downing Radio Corp.
Manuel Zetina

KCYS.
1500
MTRS.
199.9
DIAL



INDEX BY LOCATIONS WITH MAP KEY

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

State	City	Watts	Key	Frequency	Key	Frequency
ALABAMA						
	Anniston O-22	100	WFDW	1420		
	Birmingham O-21	5000	WAPI	N 1140		
		500	WBRC	C 930		
		100	WKBC	1310		
	Gadsden O-21	100	WJBY	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	KFPV	1340		
	Hot Springs N-17	1000	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	KFVD	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		
		50000	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		
		50	KPPC	1210		
	Pasadena M-3	100	KFBK	1310		
	Sacramento J-2	100	KFXM	1210		
	San Bernardino M-3	500	KFSD	600		
	San Diego N-3	500	KGB	N 1330		
		1000	KFRC	C 610		
	San Francisco J-1	500	KFWI	930		
		100	KGGC	1420		
		7500	KGO	N 790		
		100	KJBS	1070		
		5000	KPO	N 680		
		1000	KTAB	560		
		1000	KYA	1230		
COLORADO						
	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	1110		
		100	KWG	1200		
	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	400	KFXJ	1310		
	Greeley J-11	500	KFKA	880		
	Pueblo L-11	250	KGHF	1320		
	Trinidad L-11	100	KGIV	1420		
	Yuma J-12	100	KGEK	1200		
CONNECTICUT						
	Bridgeport H-27	250	WICC	600		
	Hartford H-27	500	WDRG	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 1300		
		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	WTOG	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.

ILLINOIS

	Watts		Keys.
Carthage J-18	50	WCAZ	1070
Chicago I-20	10000	KFKX	1020
	10000	KYW	1020
	500	WAAF	920
	25000	WBBM	770
	1500	WCFL	970
	5000	WCHI	1490
	100	WCRW	1210
	100	WEDC	1210
	50000	WENR	870
	500	WGES	1360
	25000	WGN	720
	1000	WIBO	560
	50000	WLS	870
	5000	WMAON	670
	5000	WMBI	1080
	500	WPCC	560
	100	WQBC	1210
	100	WEHS	1420
	100	WHFC	1420
	100	WKBI	1420
	100	WJBL	1200
	100	WKBS	1310
	100	WEBQ	1210
	100	WCLS	1310
	100	WKBB	1310
	100	WJBC	1200
	20000	WJD	1130
	500	WMBD	1440
	500	WTAD	1440
	500	KFLV	1410
	100	WHBF	1210
	100	WCBS	1210
	100	WTAX	1210
	100	WDZ	1070
	250	WILL	890
	5000	WCBD	1080

Cicero I-20

Decatur K-19
Galesburg J-18
Harrisburg L-19
Joliet I-19

La Salle J-19
Mooseheart I-19
Peoria Heights J-19
Quincy K-18
Rockford I-19
Rock Island I-18
Springfield K-19

Tuscola K-20
Urbana J-20
Zion I-20

INDIANA

Anderson J-21	100	WHBU	1210
Connersville 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
	10000	WOWO	1160
Gary I-20	1000	WJKS	1360
Hammond I-20	100	WWAE	1200
Indianapolis J-21	1000	WFBM	1230
	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
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
Council Bluffs J-16	1000	KOIL	1260
Davenport I-18	5000	WOC	1000
Decorah H-18	50	KGCA	1270
	100	KWLC	1270
Des Moines I-17	5000	WHO	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	1330
Waterloo I-17	500	WMT	600

KANSAS

Dodge City L-13	100	KGNO	1210
Kansas City K-16	100	WLBF	1420
Lawrence K-16	500	KFKU	1220
	1000	WREN	1220
Manhattan K-15	500	KSAC	580
Milford K-14	5000	KFBI	1050
Topeka K-16	1000	WIBW	580
Wichita L-15	1000	KFH	1300

KENTUCKY

Covington K-22	5000	WCKY	1490
Hopkinsville M-20	1000	WFIW	940
Louisville L-21	10000	WHAS	820
	250	WLAP	1200
Paducah M-19	100	WPAD	1420

LOUISIANA

Monroe P-18	100	KMLB	1200
New Orleans R-19	100	WABZ	1200
	1000	WDSU	1250
	100	WJBO	1420
	100	WJBW	1200
	500	WSMB	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	620
Portland F-28	1000	WCSE	940
Presque Isle D-29	100	WAGM	1420

MARYLAND

Baltimore J-26	10000	WBAL	1060
	250	WCAO	600
	100	WCBM	1379
	500	WFBR	1270
Cumberland J-25	100	WTBO	1420

MASSACHUSETTS

Boston G-28	500	WAAB	1410
	1000	WBIS	1230
	25000	WBZ	990
	1000	WEEL	590
	1000	WHDH	830
	100	WLOE	1500
	1000	WNAC	1230
	250	WSAR	1450
Fall River H-28	100	WLEY	1370
Lexington G-28	500	WBOS	920
Needham G-28	100	WNBH	1310
New Bedford H-28	1000	WBZA	990
Springfield H-27	100	WORC	1200
Worcester G-28	250	WTAG	580

MICHIGAN

Battle Creek I-21	50	WELL	1420
Bay City H-22	500	WBCM	1410
Calumet E-19	100	WHDF	1370
Detroit H-22	50	WJBK	1370
	10000	WJR	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	WDFD		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	WMPG		1500
Ludington H-20	50	WBKZ		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	WDGJ		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	WPFB		1370
Jackson P-19	1000	WJDX	N	1270
Laurel P-20	100	WTSL		1310
Meridian P-20	500	WCOG		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	100	WMBH		1420
Kansas City K-16	1000	KMBC	C	950
	100	KWKC		1370
	1000	WDAF	N	610
	500	WHB		860
	1000	WOO		1300
St. Joseph K-16	2500	KFEQ		680
	100	KGBX		1310
St. Louis L-18	500	KFUO		550
	100	KFWF		1200
	50000	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		Watts	Keys.
Las Vegas L-5	100	KGIX	1420
Reno I-3	500	KOH	C 1380

NEW HAMPSHIRE

Laconia G-28	100	WKAU	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	WBNF	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
Jamaica H-27	100	WMRJ	1210
Jamestown H-24	50	WOCL	1210
Long Island City I-27	100	WLTX	1500
New York City I-27	50000	WABC	C 860
	250	WENX	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	WFCH	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 I-14	100	KDLR		1210
Fargo F-15	1000	WDAY	N	940
Grand Forks E-15	100	KFJM		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	WFBE		1200
	1000	WKRC	C	550
	50000	WLW	B	700
Cleveland I-23	500	WSAI	R	1330
	500	WGAR	B	1450
	1000	WHK	C	1390
	500	WJAY		610
Columbus J-22	50000	WTAM	R	1070
	500	WATU	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	KFIF	C	1480
	100	KFXR		1310
	100	KGFG		1370
	1000	WKY	N	900
Ponca City M-15	100	WBBZ		1200
S. Coffeyville M-15	500	KGCF		1010
Shawnee N-15	100	KGFF		1420
Tulsa M-15	5000	KVOQ	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		1300
	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	WCOD		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	KOV		1380
	1000	WCAE	R	1220
	1000	WJAS	C	1290
	100	WWSW		1500
Reading I-26	1000	WEEU		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	WGE0		1000

PHILIPPINES

Cebu	500	KZRC		937.5
Manila	1000	KZKA		1110
	1000	KZRM		618.5

PORTO RICO

San Juan W-34	250	WKAQ		890
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RHODE ISLAND

Newport H-28	100	WMBA		1500
Pawtucket H-28	100	WPWA		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			
	Watts		Keys.
Brookings H-15	500	KFDY	550
Huron H-14	100	KGDY	1200
Mitchell H-14	100	KGDA	1370
Pierre G-13	200	KGFX	580
Rapid City H-12	100	WCAT	1200
Sioux Falls H-15	2500	KSOO	1110
Vermillion I-15	500	KUSD	890
Watertown G-15	100	KGCR	1210
Yankton I-15	1000	WNAX	C 570

TENNESSEE			
Bristol L-23	100	WOPI	1500
Chattanooga N-21	1000	WDOD	C 1280
Jackson N-20	100	WTJS	1310
Knoxville M-22	50	WFBC	1200
	1000	WNOX	C 560
	100	WROL	1310
Memphis N-19	100	WHBQ	1370
	500	WMC	N 780
	500	WNBR	1430
	500	WREC	C 600
Nashville M-21	5000	WLAC	1470
	5000	WSM	N 650
Springfield M-20	100	WSIX	1210

TEXAS			
Abilene P-13	100	KFYO	1420
Amarillo N-12	1000	KGRS	1420
	1000	WDAG	1410
Austin Q-14	100	KUT	1500
Beaumont R-17	500	KFDM	560
Brownsville U-15	500	KWVG	1260
College Sta. Q-15	500	WTAW	1120
Corpus Christi S-14	100	KGFI	1500
Dallas P-15	10000	KRLD	C 1040
	50000	WFAA	N 800
	500	WRR	C 1280
Dublin P-14	100	KFPL	1310
El Paso P-9	100	KTSM	1310
	100	WDAH	1310
Fort Worth P-15	100	KFJZ	1370
	1000	KTAT	1240
	10000	WBAP	N 800
Galveston R-16	100	KFLX	1370
	500	KFUL	1290
Greenville O-15	15	KFPM	1310
Harlingen T-14	500	KRGV	1260
Houston R-16	1000	KPRC	N 920
	100	KTLC	1310
	500	KTRH	C 1120
	100	KXYZ	1420
San Angelo Q-13	100	KGKL	1370
San Antonio R-14	100	KABC	1420
	100	KMAC	1370
	100	KONO	1370
	1000	KTSA	C 1290
	50000	WOAI	N 1190
Tyler P-16	100	KGKB	1500
Waco Q-15	1000	WACO	C 1240
Wichita Falls O-14	250	KGKO	570

UTAH			
Ogden I-7	500	KLO	1400
Salt Lake City I-7	1000	KDYL	C 1290
	5000	KSL	N 1130

VERMONT			
Burlington F-27	100	WCAx	1200
Rutland G-27	100	WSYB	1500
St. Albans F-27	100	WQDM	1370
Springfield G-27	10	WNBX	1200
Waterbury F-27	50	WDEV	1420

VIRGINIA			
	Watts		Keys.
Alexandria K-26	10000	WJSV	1460
Arlington J-25	1000	NAA	690
Danville L-25	100	WBTM	1370
Emory L-23	500	WEHC	1350
Lynchburg L-25	100	WLVA	1370
Newport News L-26	100	WGH	1310
Norfolk L-26	500	WPOR	780
	500	WTAR	C 780
Petersburg L-26	100	WLBG	1200
Richmond K-26	100	WBBL	1210
	100	WMBG	1210
	5000	WRVA	N 1110
	250	WDBJ	C 930
	250	WRBX	1410
Roanoke L-24			

WASHINGTON			
Aberdeen D-2	100	KXRO	1310
Bellingham C-3	100	KVOS	1200
Everett C-3	50	KFBL	1370
Olympia D-3	100	KGY	1200
Pullman E-5	1000	KWSC	1220
Seattle C-3	5000	KJR	R 970
	1000	KOL	C 1270
	1000	KOMO	N 920
	100	KPCB	650
	50	KRSC	1120
	1000	KTW	1220
	100	KVL	1370
	500	KXA	570
Spokane D-5	100	KFIO	1120
	1000	KFPY	C 1340
	5000	KGA	R 1470
	1000	KHQ	N 590
Tacoma D-3	500	KMO	860
	1000	KVI	C 760
Walla Walla E-5	100	KUJ	1370
Wenatchee D-4	50	KPQ	1500
Yakima D-4	100	KIT	1310

WEST VIRGINIA			
Bluefield L-24	250	WHIS	1410
Charleston K-23	250	WOBU	580
Fairmont J-24	250	WMNM	890
Huntington K-23	250	WSAZ	580
Wheeling J-24	5000	WVVA	C 1160

WISCONSIN			
Eau Claire G-18	1000	WTAQ	C 1330
Ellis G-19	2000	WLBL	900
Fond du Lac H-19	100	KFIZ	1420
Green Bay G-19	100	WHBY	1200
Janesville I-19	100	WCLO	1200
La Crosse H-18	1000	WKBH	C 1380
Madison H-19	750	WHA	940
	500	WIBA	N 1280
Manitowoc H-20	100	WOMT	1210
Milwaukee H-19	250	WHAD	1120
	250	WISN	C 1120
	1000	WTMJ	N 620
Poynette H-19	100	WIBU	1210
Racine I-20	100	WRJN	1370
Sheboygan H-20	500	WBLB	1410
Superior F-17	1000	WBEC	N 1290

WYOMING			
Casper H-10	100	KDFN	1210

CANADA

ALBERTA			
Calgary B-7	500	CFAC	690
	10000	CFCN	985
	500	CJ CJ	690

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
	5000	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	CFCFA	1120
	500	CFLC	580
	4000	CFRB	690
	500	CKCL	580
	5000	CKGW	840
	500	CKNC	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

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	TI4NRH	980
San Jose FF-23	50	TICR	911

GUATAMALA

Guatamala CC-19	50	TGW	570
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HONDURAS

Tegucigalpa CC-21	2300	HRB	1370
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SALVADOR

Salvador CC-19	500	RUS	664
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MEXICO

AGUASCALIENTES

Aguascalientes W-10	250	XFC	810
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BAJA CALIFORNIA

Tiajuana N-3	300	XEFD	1020
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CHIHUAHUA

Chihuahua R-9	100	XEFI	1000
	250	XFF	875
Juarez P-9	101	XEJ	1000
	5000	XEQ	750

COAHUILA

Saltito, Coah. U-12	25	XEL	1090
Torreon U-11	125	XETB	1380
	100	XETG	1000
Villa Acuna R-12	75000	XER	735

D. F.

Coyoacan 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
 Calgary, Alta.
 CFBO 890
 St. John, N. B.
 CFCA 1120
 Toronto, Ont.
 CFCF 1030
 Montreal, Que.
 CFCH 930
 North Bay, Ont.
 CFCL 580
 Toronto, Ont.
 CFCN 985
 Calgary, Alta.
 CFCO 1210
 Chatham, Ont.
 CFCT 630
 Victoria, B. C.
 CFCY 580
 Ch'lottet'n, P.E.I.
 CFJC 1120
 Kamloops, B. C.
 CFCL 915
 Prescott, Ont.
 CFNB 1210
 Fredericton, N.B.
 CFQC 910
 Saskatoon, Sask.
 CFRB 690
 Toronto, Ont.
 CFRC 930
 Kingston, Ont.
 CHCK 960
 Ch'lottet'n, P.E.I.
 CHGS 1120
 Sum'rside, P.E.I.
 CHLS 730
 Vancouver, B.C.
 CHMA 580
 Edmonton, Alta.
 CHML 880
 Hamilton, Ont.
 CHNS 815
 Halifax, N. S.
 CHRC 645
 Quebec, Que.
 CHWC 960
 Regina, Sask.
 CHWK 665
 Chilliwack, B. C.
 CHYC 730
 Montreal, Que.
 CJBR 960
 Regina, Sask.
 CJCA 745
 Edmonton, Alta.
 CJCB 880
 Sydney, N. S.
 CJCJ 690
 Calgary, Alta.
 CJGC 910
 London, Ont.
 CJGX 630
 Yorkton, Sask.
 CJOC 1120
 Lethbridge, Alta.
 CJOR 1210
 Vancouver, B. C.
 CJRM 665
 Moose Jaw, Sask.
 CJRW 665
 Fleming, Sask.
 CKAC 730
 Montreal, Que.
 CKGD 730
 Vancouver, B. C.

CKCI 645
 Quebec, Que.
 CKCK 960
 Regina, Sask.
 CKCL 580
 Toronto, Ont.
 CKCO 890
 Ottawa, Ont.
 CKCR 645
 Waterloo, Ont.
 CKCV 880
 Quebec, Que.
 CKFC 730
 Vancouver, B. C.
 CKGW 840
 Toronto, Ont.
 CKIC 1010
 Wolfville, N. S.
 CKLC 840
 Red Deer, Alta.
 CKMC 1210
 Cobalt, Int.
 CKMO 730
 Vancouver, B. C.
 CKNC 960
 Toronto, Ont.
 CKOC 635
 Hamilton, Ont.
 CKOV 1200
 Kelowna, B. C.
 CKPC 880
 Preston, Ont.
 CKPR 890
 Ft. William, Ont.
 CKTB 635
 St. Cath., Ont.
 CKUA 580
 Edmonton, Alta.
 CKWX 730
 Vancouver, B. C.
 CKX 540
 Brandon, Man.
 CKY 780
 Winnipeg, Man
 CMBAB 1249
 Pinar del Rio, Cu
 CMCAC 1375
 Pinar del Rio, Cu
 CMCBC 965
 Havana, Cuba
 CMCBD 965
 Havana, Cuba
 CMBG 1070
 Havana, Cuba
 CMBI 1405
 Havana, Cuba
 CMBL 1500
 Havana, Cuba
 CMBN 1405
 Havana, Cuba
 CMBQ 1500
 Havana, Cuba
 CMBR 1500
 Havana, Cuba
 CMBS 790
 Havana, Cuba
 CMBT 970
 Havana, Cuba
 CMBW 1010
 Havana, Cuba
 CMBY 1225
 Havana, Cuba
 CMBZ 1010
 Havana, Cuba
 CMC 842
 Havana, Cuba

CMCA 1225
 Havana, Cuba
 CMCB 1070
 Havana, Cuba
 CMCD 925
 Havana, Cuba
 CCMF 890
 Havana, Cuba
 CMCG 1345
 Havana, Cuba
 CMCH 1405
 Havana, Cuba
 CM CJ 620
 Havana, Cuba
 CCMCM 1405
 Havana, Cuba
 CMCN 925
 Havana, Cuba
 CMCO 660
 Havana, Cuba
 CM CQ 1150
 Havana, Cuba
 CMCR 1345
 Havana, Cuba
 CMCU 1285
 Havana, Cuba
 CMCW 1285
 Havana, Cuba
 CMCY 1345
 Havana, Cuba
 CMDC 660
 Havana, Cuba
 CMGA 834
 Colon, Cuba
 CMGB 1205
 Matanzas, Cuba
 CMGE 1375
 Cardenas, Cuba
 CMGF 977
 Matanzas, Cuba
 CMGH 1370
 Matanzas, Cuba
 CMHC 790
 Tuinucu, Cuba
 CMHD 950
 Caibarien, Cuba
 CMHI 1110
 Santa Clara, Cu
 CMHJ 645
 Cienfuegos, Cuba
 CMJC 1382
 Camaguey, Cuba
 CMJE 856
 Camaguey, Cuba
 CMJF 930
 Camaguey, Cuba
 CMJG 1200
 Camaguey, Cuba
 CMJH 1017
 Ciego de Avila, C.
 CMK 730
 Havana, Cuba
 CMKC 1034
 Santiago, Cuba
 CMQ 1150
 Havana, Cuba
 CMW 588
 Havana, Cuba
 CMX 885
 Havana, Cuba
 CNRA 630
 Moneton, N. B.
 CNRD 840
 Red Deer, Alta.
 CNRH 815
 Halifax, N. S.

CNRL 910
 London, Ont.
 CNRM 730
 Montreal, Que.
 CNRO 600
 Ottawa, Ont.
 CNRQ 880
 Quebec, Que.
 CNRR 960
 Regina, Sask.
 CNRS 910
 Saskatoon, Sask.
 CNRT 1120
 Toronto, Ont.
 CNRV 1030
 Vancouver, B. C.
 CNRW 780
 Winnipeg, Man.
 CNRX 690
 Toronto, Ont.
 CPY 840
 Toronto, Ont.
 HHK 920
 Port au Prince, H.
 HIX 620
 Santo Domingo
 HRB 1370
 Tequicigalpa
 KABC 1420
 San Antonio, Tex.
 KARK 890
 Lit. Rock, Ark.
 KBPS 1420
 Portland, Ore.
 KBTM 1200
 Paragould, Ark.
 KCMC 1500
 Texarkana, Ark.
 KCBC 1370
 Enid, Okla.
 KCRJ 1310
 Jerome, Ariz.
 KDB 1500
 S. Barbara, Cal.
 KDFN 1210
 Casper, Wyo.
 KDKA 980
 Pittsburgh, Pa.
 KDLR 1210
 Devils Lake, N.D.
 KDYL 1290
 Salt Lake City
 KECA 1430
 Los Angeles, Cal.
 KELW 780
 Burbank, Cal.
 KERN 1200
 Bakersfield, Cal.
 KEX 1180,
 Portland, Ore.
 KFAB 770
 Lincoln, Nebr.
 KFAC 1300
 Los Angeles, Cal.
 KFBB 1280
 Great Fls., Mont.
 KFBI 1050
 Milford, Kans.
 KFBK 1310
 Sacramento, Cal.
 KFBL 1370
 Everett, Wash.
 KFDM 560
 Beaumont, Tex.
 KFDY 550
 Brookings, S. D.

KFEL 920
 Denver, Colo.
 KFQE 680
 St. Joseph, Mo.
 KFGQ 1310
 Boone, Iowa
 KFH 1300
 Wichita, Kansas
 KFI 640
 Los Angeles, Cal.
 KFIO 1120
 Spokane, Wash.
 KFIZ 1420
 Fond du Lac, Wis.
 KFJB 1200
 Marshalltown, Ia.
 KFJF 1480
 Oklahoma City
 KFJI 1210
 Klamath Falls Ore
 KFJM 1370
 Grd. Forks, N. D.
 KFJR 1300
 Portland, Ore.
 KFJY 1310
 Fort Dodge Ia.
 KFJZ 1370
 Ft. Worth, Tex.
 KFKA 880
 Greeley, Colo.
 KFKU 1220
 Lawrence, Kans.
 KFXX 1020
 Chicago, Ill.
 KFLV 1410
 Rockford, Ill.
 KFLX 1370
 Galveston, Tex.
 KFMY 1250
 N'thfield, Minn.
 KFNF 890
 Shenandoah, Ia.
 KFOR 1210
 Lincoln, Nebr.
 KFOX 1250
 Long Beach, Cal.
 KFPL 1310
 Dublin, Texas
 KFPM 1310
 Greenville, Texas
 KFPW 1340
 Ft. Smith, Ark.
 KFPY 1340
 Spokane, Wash.
 KFQD 1230
 Anchorage, Alas.
 KFRC 610
 San F'nisco, Cal.
 KFRU 630
 Columbia, Mo.
 KFSD 600
 San Diego, Cal.
 KFSG 1120
 Los Angeles, Cal.
 KFUL 1290
 Galveston, Texas
 KFUO 550
 St. Louis, Mo.
 KFUP 1310
 Denver, Colo.
 KFVD 1000
 Culver City, Cal.
 KFVS 1210
 Cape Gir'rd'u, Mo

KFWB 959
 Hollywood, Cal.
 KFWF 1200
 St. Louis, Mo.
 KFWI 930
 San F'nisco, Cal.
 KFXD 1420
 Nampa, Idaho
 KFXF 920
 Denver, Colo.
 KFXJ 1310
 Grand Junc., Cal.
 KFXM 1210
 San Ber'd no, Cal.
 KFXX 1310
 Oklahoma City
 KFXY 1420
 Flagstaff, Ariz.
 KFYO 1420
 Abilene, Texas
 KFYZ 550
 Bismarck, N. D.
 KGA 1470
 Spokane, Wash.
 KGAR 1370
 Tucson, Arizona
 KGB 1330
 San Diego, Cal.
 KGBU 900
 Ketchikan, Al'ka
 KGBX 1310
 St. Joseph, Mo.
 KGBZ 930
 York, Nebr.
 KGCA 1270
 Decorah, Iowa
 KGCR 1210
 Watertown, S. D.
 KGCU 1240
 Mandan, N. D.
 KGCV 1310
 Wolf P't, Mont.
 KGDA 1370
 Mitchell, S. D.
 KGDE 1200
 Fergus Falls, Minn
 KGDM 1100
 Stockton, Cal.
 KGDY 1200
 Huron, S. D.
 KGEK 1200
 Yuma, Colo.
 KGER 1360
 Long Beach, Cal.
 KGEW 1200
 Ft. Morgan, Colo.
 KGEZ 1310
 Kalispell, Mont.
 KGFF 1420
 Shawnee, Okla.
 KGFG 1370
 Oklahoma City
 KGFI 1500
 Corp's Ch'sti, Tex
 KGFI 1200
 Los Angeles, Cal.
 KGFK 1500
 Moorhead, Minn.
 KGFL 1370
 Raton, N. M.
 KGFW 1310
 Kearney, Nebr.
 KGFX 580
 Pierre, S. D.
 KGGC 1420
 San F'nisco, Cal.

KGGF 1010
 Coffeyville, Okla.
 KGGM 1230
 Albuquerque, N.M.
 KGHF 1320
 Pueblo, Colo.
 KGHI 1200
 Little Rock, Ark.
 KGHL 950
 Billings, Mont.
 KGIR 1360
 Butte, Mont.
 KGIW 1420
 Trinidad, Colo.
 KGLX 1420
 Las Vegas, Nev.
 KGIZ 1500
 Grant City, Mo
 KGKB 1500
 Tyler, Texas
 KGKL 1370
 San Angelo, Tex.
 KGKO 570
 Wichita Flls., Tex.
 KGKX 1420
 Sand Point, Idaho
 KGKY 1500
 Scottsbluff, Nebr.
 KGMB 1320
 Honolulu, T. H.
 KGNF 1430
 No. Platte, Nebr.
 KGNO 1210
 Dodge City, Kas.
 KGO 790
 San F'nisco, Cal.
 KGRS 1410
 Amarillo, Texas
 KGU 940
 Honolulu, Hawaii
 KGVO 1420
 Missoula, Mont.
 KGW 620
 Portland, Ore.
 KGY 1200
 Olympia, Wash.
 KHJ 900
 Los Angeles, Cal.
 KHQ 590
 Spokane, Wash.
 KICK 1420
 Red Oak, Iowa
 KID 1320
 Idaho Falls, 'da.
 KIDO 1350
 Boise, Idaho
 KIT 1310
 Yakima, Wash.
 KJBS 1070
 San F'nisco, Cal.
 KJR 970
 Seattle, Wash.
 KLCN 1290
 Blytheville, Ark.
 KLO 1400
 Ogden, Utah
 KLPM 1240
 Minot, N. Dak.
 KLRA 1390
 Little Rock, Ark.
 KLS 1440
 Oakland, Cal.
 KLX 880
 Oakland, Cal.
 KLZ 560
 Denver, Colo.

KMA 930
 Shenandoah, Ia.
 KMAC 1370
 San Antonio, Tex.
 KMBC 950
 Kan. City Mo.
 KMED 1310
 Medford, Ore.
 KMJ 1210
 Fresno, Cal.
 KMLB 1200
 Monroe, La.
 KMMJ 740
 Clay Ctr., Nebr.
 KMO 860
 Tacoma, Wash.
 KMOX 1090
 St. Louis, Mo.
 KMPC 710
 Beverly Hills, Cal
 KMTR 570
 Hollywood, Cal.
 KNX 1050
 Hollywood, Cal.
 KOA 830
 Denver, Colo.
 KOAC 550
 Corvallis, Ore.
 KOB 1180
 State Col., N. M.
 KOCW 1400
 Chickasha, Okla.
 KOH 1380
 Reno, Nevada
 KOIL 1260
 Council Bluffs, Ia.
 KOIN 940
 Portland, Ore.
 KOL 1270
 Seattle, Wash.
 KOMO 920
 Seattle, Wash.
 KONO 1370
 San Antonio, Tex.
 KOOS 1370
 Marshfield, Minn
 KORE 1420
 Eugene, Ore.
 KOY 1390
 Phoenix, Arizona
 KPCB 650
 Seattle, Wash.
 KPJM 1500
 Prescott, Ariz.
 KPO 680
 San F'nisco, Cal.
 KPOF 880
 Denver, Colo.
 KPCC 1210
 Pasadena, Cal.
 KPQ 1500
 Wenatchee, Wash
 KPRC 920
 Houston, Texas
 KQV 1380
 Pittsburgh, Pa.
 KQW 1010
 San Jose, Cal.
 KRE 1370
 Berkeley, Cal.
 KREG 1500
 Santa Ana, Cal.
 KRGV 1260
 Harlingen, Texas
 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	WBAK 1430 Harrisburg, Pa.	WCAZ 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 Clarinda, Iowa	KXRO 1310 Aberdeen, Wash.	WBBM 770 Chicago, Ill.	WCDA 1350 New York City
KSOO 1110 Sioux Falls, S. D.	KXYZ 1420 Houston, Texas	WBRR 1300 Brooklyn, N. Y.	WCFL 970 Chicago, Ill.
KSTP 1460 St. Paul, Minn.	KYA 1230 San Francisco, Cal.	WBBZ 1200 Ponca City, Okla.	WCGU 1400 Brooklyn, N. Y.
KTAB 560 San Francisco, Cal.	KYW 1020 Chicago, Ill.	WBCM 1410 Bay City, Mich.	WCHI 1490 Chicago, Ill.
KTAR 620 Phoenix, Ariz.	KZKA 1110 Manilla, P. I.	WBEN 900 Buffalo, N. Y.	WCKY 1490 Covington, Ky.
KTAT 1240 Ft. Worth, Tex.	KZRC 937.5 Cebu, P. I.	WBEO 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 Huntsville, Ala.	WCMA 1400 Culver, Ind.
KTFF 1240 Twin Falls, Ida.	RUS 664 Salvador	WBG 1440 Greensboro, N.C.	WCOA 1340 Pensacola, Fla.
KTHS 1040 Hot Spgs., Ark.	TGW 570 Guatemala	WBIS 1230 Boston, Mass.	WCOE 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.	TI4NRH 980 Heredia, C. R.	WBNX 1350 New York City	WCOH 1210 Yonkers, N. Y.
KTRH 1120 Houston, Texas	VAS 685 Glace 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.	WCSH 940 Portland, Maine
KTW 1220 Seattle, Wash.	VOWR 675 St. Johns, N. F.	WBRE 1310 Wilkes-Barre, Pa.	WDAA 1220 Tampa, Fla.
KUJ 1370 Walla Wal., 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 Vermilion, S. D.	WAAF 920 Chicago, Ill.	WBTM 1370 Danville, Va.	WDAH 1310 El Paso, Texas
KUT 1500 Austin, Texas	WAAM 1250 Newark, N. J.	WBZ 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	WDEV 1420 Waterbury, Vt.
KVOS 1200 Bellingh'm, Wash.	WACO 1240 Waco, Texas	WCAJ 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.	WDRC 1330 Hartford, Conn.
KWG 1200 Stockton, Cal.	WAIU 640 Columbus, Ohio	WCAO 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.
WECB 1290 Superior, Wis.	WCEO 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.
WEEL 590 Boston, Mass.	WGN 720 Chicago, Ill.	WIBX 1200 Utica, N. Y.	WKBB 1310 Joliet, Ill.
WEU 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 1404 Indianapolis, Ind.
WEHS 1420 Cicero, Ill.	WGY 790 Schenech'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.	WKBS 1310 Galesburg, Ill.
WEW 760 St. Louis, Mo.	WHAP 1300 New York City	WIP 610 Philadelphia, Pa.	WKBV 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.	WKHZ 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.	WKEY 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.
WFBI 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.	WLBC 1310 Muncie, Ind.
WFDF 1310 Flint, Mich.	WHBY 1200 Green Bay, Wis.	WJBI 1210 Red Bank, N. J.	WLBF 1420 Kansas City, Ks.
WFDV 1310 Rome, Ga.	WHDF 1370 Calumet, Mich.	WJBK 1370 Detroit, Mich.	WLBG 1200 Ettrick, Va.
WFDW 1420 Anniston, Ala.	WHDH 830 Boston, Mass.	WJBL 1200 Decatur, Ill.	WLBL 900 Ellis, Wis.
WFEA 1430 Manchester, N.H.	WHDL 1420 TupperLake, N.Y.	WJBO 1420 New Orleans, La.	WLBW 1260 Oil City, Pa.
WFF 560 Philadelphia, Pa.	WHEC 1430 Rochester, N. Y.	WJBU 1210 Lewisburg, Pa.	WLBX 1500 L. I. City, N. Y.
WFFW 940 Hopkinsville, Ky.	WHFC 1420 Cicero, Ill.	WJBW 1200 New Orleans, La.	WLBZ 620 Bangor, Maine
WFLA 620 Clearwater, Fla.	WHIS 1410 Bluefield, W. Va.	WJBY 1210 Gadsden, Ala.	WLCI 1210 Ithaca, N. Y.
WFOX 1400 Brooklyn, N. Y.	WHK 1390 Cleveland, Ohio	WJDX 1200 Jackson, Miss.	WLEY 1370 Lexington, Mass.
WGAL 1310 Lancaster, Pa.			

WLIT 560	WNOX 560	WQDX 1210	WSUN 620
Philadelphia, Pa.	Knoxville, Tenn.	Thomasville, Ga.	St. Petersb'g, Fla.
WLOE 1500	WNYC 570	WRAC 1370	WSVS 1370
Boston, Mass.	New York City	Williamsport, Pa.	Buffalo, N. Y.
WLS 870	WOAI 1190	WRAM 1370	WSYB 1500
Chicago, Ill.	San Antonio, Tex.	Wilmington, N.C.	Rutland, Vt.
WLTH 1400	WOAX 1250	WRAW 1310	WSYR 570
Brooklyn, N. Y.	Trenton, N. J.	Reading, Pa.	Syracuse, N. Y.
WLVA 1370	WOBU 550	WRAX 1020	WTAD 1440
Lynchburg, Va.	Charlest'n, W.Va.	Philadelphia, Pa.	Quincy, Ill.
WLW 700	WOC 1000	WRBL 1200	WTAG 580
Cincinnati, Ohio	Davenport, Iowa	Columbus, Ga.	Worcester, Mass.
WLWL 1100	WOCL 1210	WRBQ 1210	WTAM 1070
New York City	Jamestown, N. Y.	Greenville, Miss.	WTALQ 1330
WMAC 570	WODA 1250	WRBX 1410	Eau Claire, Wis.
Syracuse, N. Y.	Paterson, N. J.	Roanoke, Va.	WTAR 780
WMAI 630	WODX 1410	WRC 950	Norfolk, Va.
Washington, D.C.	Mobile, Ala.	Washington, D.C.	WTAW 1120
WMAQ 670	WOI 640	WRDO 1370	College Sta., Tex.
Chicago, Ill.	Ames, Iowa	Augusta, Maine	WTAX 1210
WMAZ 1180	WOKO 1430	WRDW 1500	Springfield, Ill.
Macon, Ga.	Albany, N. Y.	Augusta, Ga.	WTBO 1420
WMBA 1500	WOL 1310	WREC 600	Cumberland, Md.
Newport, R. I.	Washington, D.C.	Memphis, Tenn.	WTEL 1310
WMBC 1420	WOMT 1210	WREN 1220	Philadelphia, Pa.
Detroit, Mich.	Manitowoc, Wis.	Lawrence, Kans.	WTFI 1450
WMBD 1440	WOOD 1270	WRHM 1250	Atlanta, Ga.
Peoria Hghts., Ill.	Gr. Rapids, Mich	Minneapolis, Minn.	WTC 660-1060
WMBG 1210	WOPI 1500	WRJN 1370	Hartford, Conn.
Richmond, Va.	Bristol Tenn.	Racine, Wis.	WTJS 1310
WMBH 1420	WOQ 1300	WRNY 1010	Jackson, Tenn.
Joplin, Mo.	Kansas City, Mo.	New York City	WTMJ 620
WMBI 1080	WOR 710	WROL 1310	Milwaukee, Wis.
Chicago, Ill.	Newark, N. J.	Knoxville, Tenn.	WTOC 1260
WMBO 1310	WORC 1200	WRR 1280	Savannah, Ga.
Auburn, N. Y.	Worcester, Mass.	Dallas, Texas	WTSL 1310
WMBQ 1500	WOS 630	WRUF 830	Laurel, Miss.
Brooklyn, N. Y.	Jeff's'n City, Mo.	Gainesville, Fla.	WWAE 1200
WMBR 1370	WOV 1130	WRVA 1110	Hammond, Ind.
Tampa, Fla.	New York City	Richmond, Va.	WWJ 920
WMC 780	WOW 590	WSAI 1330	Detroit, Mich.
Memphis, Tenn.	Omaha, Nebr.	Cincinnati, Ohio	WWL 850
WMCA 570	WOWO 1160	WSAJ 1310	New Orleans, La.
New York City	Fl. Wayne, Ind.	Grove City, Pa.	WWNC 570
WML 1500	WPAD 1420	WSAN 1440	Asheville, N. C.
Brooklyn, N. Y.	Paducah, Ky.	Allentown, Pa.	WWRL 1500
WMMN 890	WPAP 1010	WSAR 1450	Woodside, N. Y.
Fairmont, W. Va.	New York City	Fall River, Mass.	WWSW 1500
WMP 1500	WPAW 1210	WSAZ 580	Pittsburgh, Pa.
Lapeer, Mich.	Pawtucket, R. I.	Hunt'gton, W. Va.	WWVA 1160
WMRJ 1210	WPCC 560	WSB 740	Wheeling, W. Va.
Jamaica, N. Y.	Chicago, Ill.	Atlanta, Ga.	WXYZ 1240
WMSG 1350	WPCH 810	WSBC 1210	Detroit, Mich.
New York City	New York City	Chicago, Ill.	XEA 1000
WMT 600	WPEN 1500	WSBT 1230	Guad'l'jara, Mex.
Waterloo, Iowa	Philadelphia, Pa.	South Bend, Ind.	XEB 1030
WNAC 1230	WPF 1370	WSEN 1210	Mexico City
Boston, Mass.	Hattiesb'g., Miss.	Columbus, Ohio	XEC 1000
WNAD 1010	WPG 1100	WSFA 1410	Toluca, Mexico
Norman, Okla.	Atl'ntic City, N.J.	Montgomery, Ala.	XED 965
WNAX 570	WPOR 780	WSIX 1210	Reynosa, Mexico
Yankton, S. D.	Norfolk, Va.	Springfield, Tenn.	XEE 1000
WNBF 1500	WPRO 1210	WSJS 1310	Oaxaco, Mexico
Bingh'm't'n, N. Y.	Providence, R. I.	Winst.-Sal., N. C.	XEFA 1250
WNBH 1310	WPSC 1230	WSM 650	Mexico City
New B'rd'd, Mass.	State College, Pa.	Nashville, Tenn.	XEFB 1315
WNBO 1200	WPTF 680	WSMB 1320	Monterrey, Mex.
Washington, Pa.	Raleigh, N. C.	New Orleans, La.	XEFC 1050
WNBR 1430	WQAM 560	WSMK 1380	Merida, Mex.
Memphis, Tenn.	Miami, Fla.	Dayton, Ohio	XEFD 1020
WNBW 1200	WQAN 880	WEOC 1210	Tijuana, Mex.
Carbondale, Pa.	Seranton, Pa.	Gastonia, N. C.	XEFE 1000
WNBX 1200	WQAO 1010	WSPA 1420	Laredo, Mexico
Springfield, Vt.	New York City	Spartanburg, S.C.	XEFI 1000
WNBZ 1290	WQBC 1360	WSPD 1340	Chihuahua, Mex.
Sar'n'c L'ke, N. Y.	Vicksburg, Miss.	Toledo, Ohio	XEFS 1000
WNJ 1450	WQDM 1370	WSUI 880	Queretaro, Mex.
Newark, N. J.	St. Albans, Vt.	Iowa City, Iowa	

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 Budapesth, 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.
Walder-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., Sunday.
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 Lannin, 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., Sunday.
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 Stretz, 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.
Yoeng'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 Elm, 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, 9, 9:30 p.m., 12:30 a.m., Sunday; 9:30 p.m., Wed.
Melo-Clarion Twins, 8:15 p.m., Wednesday.

PIANO

Fray-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.
Frostilla Rehearsal, 9:15 p.m., Monday.
Fuller Man, 9:30 p.m., Tuesday.
The Gauchos, 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., Friday.
Pillsbury Pageant, 9 p.m., Monday.
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 Thousnd 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 Clubs, 9:15 p.m., Sunday.
Four Stagers, 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. Fosdick, 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, 9 p.m., Daily, except Sat. and Sun.
 Sentinels of Republic, 1 p.m., Sunday.
 School of the Air, 3:30 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	Keys	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.			
	Daily, 5-6 a.m.; 8:30-9 a.m.; 1:30-2:30 p.m.			
Kansas	Kansas City	WLBK	1420	100
	Daily, 6:30 a.m.-11 p.m., CST.			
	(Thursdays on till midnight.)			
Maryland	Baltimore	WCAO	600	250
	Sunday, 9 a.m.-12 mid., EST.			
	Daily, 7 a.m.-12 mid.			
Massachusetts	Worcester	WTAG	580	250
	Sunday, 10:30 a.m.-11:15 p.m., EST.			
	DX every Sunday, 1-1:30 a.m.			
	Daily, 8 a.m.-11:15 p.m.			
Michigan	E. Lansing	WKAR	1040	1000
	Daily (ex. Sun.) 12 n.-12:45 p.m.; 3-4:15 p.m. (ex. Sat.).			
	CST.			
	Monday, 1:30-2 p.m.			
	Ludington	WKBZ	1500	50
	Daily (ex. Sun.), 9 a.m.-9 p.m., CST.			
	(Tuesday on till 10 p.m.)			
New Jersey	Jersey City	WAAT	940	300
	Daily, 6 a.m.-6 p.m., EST.			
New York	Binghamton	WNBF	1500	100
	Sunday, 11-12 n.; 6-9 p.m., EST.			
	Daily, 8 a.m.-10 p.m.			
	Brooklyn	WMIL	1500	100
	Sunday, 9-11 a.m.; 11 p.m.-5 a.m., EST.			
	Monday and Friday, 2-6 p.m.; 8-10 p.m.			
	Tuesday, 2-6 p.m.			
	Wednesday, 2-6 p.m.; 10 p.m.-5 a.m.			
	Thursday, 2-8 p.m.			
	Saturday, 3-9 p.m.			
North Dakota	Grand Forks	KFJM	1370	100
	Sunday, 9 a.m.-9 p.m., CST.			
	Daily, 7 a.m.-9 p.m.			
Oregon	Marshfield	KOOS	1370	100
	Daily, 9 a.m.-9 p.m., PST.			
	Tuesday, frequency check, 1:40-1:50 a.m.			
	Friday, DX program, 12 m.-2 a.m.			
Pennsylvania	Philadelphia	WRAX	1020	250
	Sunday, 7:45 a.m.-7 p.m., EST.			
	Monday, Friday, Saturday, 8:30 a.m.-7 p.m.			
	Tuesday, Wednesday, Thursday, 8 a.m.-7 p.m.			
South Dakota	Watertown	KGCR	1210	100
	Sunday, 9 a.m.-2 p.m., CST.			
	Daily, 7 a.m.-9 p.m.			
Texas	Brownsville	KVWG	1260	500
	Sunday, 11 a.m.-12:30 p.m.; 5-7 p.m.; 9-12 p.m., CST.			
	Daily, 9:30 a.m.-12:30 p.m.; 3:30-9 p.m. (Mon., Wed. and Fri., off at 6 p.m.)			
	Greenville	KFPM	1310	15
	Daily (ex. Sun.), 8:15-10 a.m.; 1:15-1:45 p.m.; 6:45-9:15 p.m., CST.			
	(Saturday off at 7:30 p.m.)			
	Houston	KTRH	1120	500
	Sunday, 8-11 a.m.; 12 n.-12 mid., CST.			
	Daily, 6:30-10 a.m.; 12 n.-12 mid.			
Virginia	Emory	WEHC	1350	500
	Daily (ex. Sun.) 6-7:15 a.m.; 12 n.-2 p.m., EST.			
	Petersburg	WLBG	1200	100
	Sunday, 9:45-11 a.m.; 3-8 p.m., EST.			
	Daily, 7:30 a.m.-1:30 p.m.; 3-9:15 p.m.			
Washington	Wenatchee	KPQ	1500	50
	Daily, 7 a.m.-11 p.m., PST.			
	Canada			
Alberta	Edmonton	CKUA	580	500
	Sunday, 3-4 p.m., MST.			
	Monday and Friday, 4-9 p.m.			
	Wednesday, 4-8:30 p.m.			
	Thursday, 8-10 p.m.			
	Red Deer	CKLC	840	1000
	Sunday, 11 a.m.-1:30 p.m.; 3-7:30 p.m., MST			
	Mon., Tues., Fri., 9:15 a.m.-9 p.m.			
	Wednesday, 9:15 a.m.-8:45 p.m.			
	Thursday, 9:15 a.m.-9:45 p.m.			
	Saturday, 9:15 a.m.-7:30 p.m.			
British Columbia	Victoria	CFCV	630	500
	Sunday, 10:30 a.m.-12:30 p.m.; 7-9 p.m.			
	Daily, 8 a.m.-12:30 p.m.; 6-9 p.m.			
	(Tues., Thur., Sat., off at 8 p.m.)			

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	Keys	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	WKBV	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 pompousness, 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.



Sometimes I think there ought to be a law to make every one 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 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 waiting, "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.....