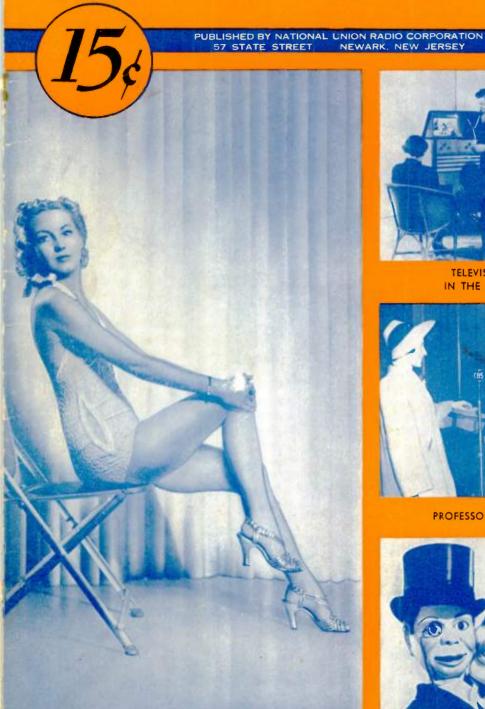
Radio Foto Log





TELEVISION IN THE HOME



PROFESSOR QUIZ



CHARLIE McCARTHY AND ANDREA LEEDS

MARTHA TILTON Vocal Star of Benny Goodman's Swing Band



Radio Foto Log

57 STATE STREET NEWARK, NEW JERSEY

Manufacturers of National Union Radio Tubes and Parts

EDITED BY SAMUEL KAUFMAN

The Listener Always Wins

PROGRAM executives of leading radio stations and advertising agencies are ever on the alert for new ideas that will win mass audiences. The competition to win and hold listeners to air features is always keen. Keen rivalry is demonstrated between sponsors of similar wares as well as between advertisers who maintain simultaneous broadcasting schedules.

Radio editors of newspapers and magazines have often indicated that their readers disliked two stellar hours on the air at the same time inasmuch as they were forced to forego one in favor of the other and it was difficult to make a choice.

However, sponsors haven't got much choice in the matter of time. True, there are twenty-four hours to the day but most big advertisers desire the evening hours between 7 and 10 o'clock when they believe they can reach the biggest possible audiences.

Rather than the listener losing one good program by listening to another excellent feature on the air at the same time, he should remember that the high standard of the broadcast to which he's listening is main-

tained by the scheduling of a high-calibre hour on the other station or network. He's not losing anything. Rather. he's given a wider choice of program fare and the odds of giving him a program he'll enjoy are considerably in his favor.

From season to season, the main classifications of radio programs retain large followings they have earned through the years. Dance bands, comedy, drama, news, variety, classical music and other headings are never replaced. But new ideas as well as new stars do constantly pop into the radio schedules and some of them reach the high-salary and high-popularity brackets in very short time.

Audience-participation shows have been gaining larger and larger followings since they came into being on a big scale a couple of seasons back. Amateur hours, under this heading, were the opening guns in the campaign to recruit Mr. Next Door Neighbor for microphone appearances. Now the lead in audience participation has been taken by the many quiz, spelling bee and "what do you know?" features that stud program scheJules.

But the heavy draw of new ideas—even the smash hits—doesn't dig into the popularity of such perennial headliners as Jack Benny, Rudy Vallee, Bing Crosby and the many other topnotch stars who helped make broadcasting the leading entertainment medium it now is.

The intriguing thing about radio listening

is that it always brings surprises and thrills in new offerings as well as reliably presenting the best of the old-estab. lished stars. And listeners. through experience, know that forthcoming features are "sure things" in the way of good. wholesome en. tertainment.



Jack Benny Comes to Town

KNOWLEDGE IS FUN

YOU may never have thought so when you went to school. But since radio quizz programs came into popularity, it's been fun indeed to participate in the "what do you know?" games. Sidewalk interviews, studio spelling and question bees, word games and even musical-guessing programs have soared the heights of radio fame, many of these features ranking among the most popular (according to surveys) on the air. One reason why the listener gets an added kick out of the quizz features is that he has the chance of participating in the mike game himself. He can test his own wits against the microphone contestants. But he must remember that he has two advantages. He can look the answer up in dictionaries, atlases and other reference books, and there is no chance of mike-fright.



"True or False?" asks Dr. Harry Hagen after he reads a statement. No, the placard-toting men are not pickets. It's customary on quiz programs to have the contestants wear their names on cards over their chests so that the master-of-ceremonies can address them.







Left to right: Max Eastman, author, humorist and raconteur, who heads the CBS Word Game; Professor Quiz (Craig Earl) paying off a winner with silver dollars, and Paul Wing, master of the NBC Spelling Bee.





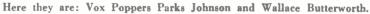


Three topnotch cross-examiners: (left to right): "Uncle Jim" McWilliams of Question Bee fame; Kay Kyser, the orchestra leader who directs the musical quizz show known as the Kollege of Musical Knowledge, and Franklin P. Adams ("F. P. A.") of NBC's "Information Please."



VOX POP

THIS program, conducted by Parks Johnson and Wallace Butterworth, was one of the first of the quiz programs and claims to be the first network show of its type. The show differs from the other question-and-answer periods in that it is broadcast from public and semi-public spots and never from a studio. It used to go on the air from street corners until traffic congestion caused it to be moved into hotel lobbies, railroad terminals and the like. Passers-by, unrehearsed, are recruited from the crowd that gathers around the mike and the result is an amusing, informative quiz program which is greatly enhanced by the spontaneous humor arising from Johnson's and Butterworth's banter with their guests. Turn over to the next page and see how you would score if you happened to be selected for the Vox Pop broadcast. Parks Johnson selected the questions (and parenthetical answers) especially for readers of Radio Foto Log.







Left: They're never too young to know the answer! Here's a five-year-old doing his stuff! Right: The English vicar who married the Duke and Duchess of Windsor—Rev. Robert Anderson Jardine—and a Chinese nurse meet for a session of Q's and A's wit!: Johnson.





Even a cigar store Indian pops up at the Vox Pop mike, but we doubt whether he was interviewed. Right: Harry M. Nanos—noted for his likeness to the late Will Rogers—takes to the air with Parks and Wally.

WHAT DO YOU KNOW?

You've often had the answer while listening at home much quicker than the fellow at the mike. Here's a specimen mike quiz prepared by Parks Johnson. Try it with your family and friends and figure how you would have fared if you faced the Vox Pop mike.

OUESTIONS

- A monkey climbing a greased pole 30 feet high goes up 3 feet in 10 seconds. He slips back 2 feet in 5 seconds. How long will it take him to reach the top? Quickly: 11 is 1/6th of 3 times what number?
- Is the half of a hundred the same as 100 divided by 1/2?
- If you stand on your head, face to the East, in which direction is your right shoulder pointed? Would it be the same if you were standing on your feet, facing East?

If you drive 60 miles at 20 m.p.h. going, and return at 30 m.p.h., what is your "AVERAGE" speed for the 120 miles?

Two candles, one will burn 4 hours and the other will burn five hours. Both are lighted simultaneously. Both are extinguished when what remains of one is exactly four times as long as what remains of the other. How long the candles been burning?

If I work the first day for \$100, the second day for \$50, the third day for \$25, and so en . . . how many days will I work before I

have earned \$200?

- You have an engagement for 12 noon. Your friend phones that he must "Advance" the engagement a half hour. At what time will you him?
- In 15 seconds tell me how to change a twenty-dellar bill into dollars and half-dollars so that will have ONE MORE half-doLar than I will
- If "This and That" plus one-half of "This and That" equals 11, how much is "This and That"?
- If a person is consistently inconsistent, would you say that person is consistent or inconistent?
- If a coat is turned inside out, would the right arm still go into what was the right sleeve? Would you think a "Hugger-mugger" is a lov-ing sort of a person?
- Which is farthest West: Detroit, Michigan-Pensacola, Florida, or Indianapolis, Indiana?
- Honestly, DO you know how many of your own teeth you now have in your mouth?
- A bicycle rider travels a mile in three minutes WITH the wind; he returns over the same course in four minutes AGAINST the wind. How fast could be make the mile if there were
- Which is the longer, a cigarette or a stick of chewing gum?
 Is the Saland desert flat, rolling or mountain-
- one? What abbreviations for State names make com-
- plete words?
- start work Monday morning at \$1 per day. You start work monay morning at \$1 per day.
 You start work Tuesday morning at \$2 per
 day. How many days will you work before you
 will have carned TWICE as much as 1?
 22. How many times per day does the ordinary
 watch tick?

- watch tick?
 In the line: "Little Miss Muffet sat on a TUFFETT"..., what is a "tuffet"?
 Quickly..., count from 10 to 1, backwards.
 How many STATES in the United States?
 Do the words "In God we Trust" appear on all current U. S. Coins?
- On every package of ordinary pins there appears the initials: "S. C.", "M. C." or "B. C.".
- What do these mean? If a chicken has a gizzard what has an "Izzard"?
- If the laundry goes out Monday morning and is returned Thursday moon, what is the mini-mum number of shirts a man must have in order to wear a clean shirt each morning?
- 30. Assume it takes 30 seconds to toast one side of a slice of bread. Now, in an old-style two-slice toaster, what's the shortest time it will take to toast THREE slices of bread on BOTH sides?

- 31. If Tom. Dick and Harry agree to lunch together, each bearing his own share of the cost, what about this situation. Tom brings 6 eggs; Dick brings 3 eggs; Harry brought NO eggs, but toused 15c on the table. HOW should the 15c be divided?
- 32. Take an ordinary sheet of letter paper, business size. Tear it in two, and stack the halves on top of each other. Do this fifty times. How high will the stack be after the fiftieth
- tow high will the stack be after the hitter tear and stacking? A barrel has three spigots. They empty the barrel in 15, 30 and 45 minutes, respectively. If ALL are opened at the same time, how long will it take to empty the barrel?

TRICKS TRIED AGAINST DESIGNATED TIME LIMITS:

Say Alphabet backward in 30 seconds. Spell one's full name backward in 15 seconds. Say months of year backward in 10 seconds.

| ing will answer from 15 to 30 minutes! | |
|---|-----|
| 8-2/11ths minutes, though many without think- | .85 |
| OVER 22 million miles high! | .2£ |
| 1 8339 9 | |
| TOM gets the 15c, as Harry are 3 of Tom's | .18 |
| ing sides of Nos. 2 and 3. | |
| I, and one side of No. 3; finally toast remain- | |
| No. 1 and No. 2. Then togst final side of No. | |

11/2 minutes, not 2 minutes. Toast one side of 30. Our alphabet . . the letter "s". Minimum of eleven shirts. 82

No, they do not appear on either free-cent pieces, or the Indian Head one-cent coin.

Small, medium or Big CONKIIN, Corkin being on and Sectle-English term meaning "Pin", and and an analysish term meaning "pin". .02

Ah, ah . . . it should be 1, 2, 3, etc.! "Com-Technically, forty-four States and four "Com-monwealths", vis: Kentucky, Massachusetts, Pennsylvania and Virginia.

receptable. An old English measure, the equivalent of half-bushel. She probably sat on the inverted 'SZ 432,000 times per 24-hour day.

7.7 Oret Ot Kent Wash. Unabridged. Arkt Illt Idat Lat Met Masst Misst Nebt

The Saliars desert contains mountains up to 10,000 feet above sea level—see Webster's 61 The stick of chewing gum.

of the seven! You forgot the wind HELPED him only 3 of the 7 minutes, while it HINDERED him four

Pensacola, Florida, farthest West. Estimated not one in a thousand knows. NOT 3½ minutes, but 3 minutes, 26 seconds. 'CT

Hugger, Mugger, according to Webster is: "privacy, secrecy, or in privacy, secrecy." Or, siso, No privacy or secrecy and ingging or mugging privacy or secrecy about hugging or mugging those days! Florida, farthest West.

.61 .(1) ZI. 7-1/3, 3/2 equats 11; 1/2 equats 1/3 of 11, or 3-2/3; 2/2, or "This and That" then equals 11.

Fourteen halves, and 13 dollars. Webster says "Advance; to make earlier, as an event or date", so you would meet at 11:30—12:30!

.nim 24 bna mund 8

AUT 25, but 24 miles per hour. *04 North.

Po. ٠, (22)

2°

6 minutes and 55 seconds. He uses 28 upward surges or 280 seconds; 27 back slips or 135 seconds, total 415 seconds, or 6:15.

VICENTERS (No Jair peekin')

Mr. Next Door Neighbor Takes the Air

THE quiz programs mentioned on the preceding pages are but one of several popular forms of audience-participation shows. There are amateur hours, public forums and comedy and variety hours in which the listener is heard from by voice, applause and laughter. Audience-participation shows have gained tremendous popularity probably because listeners like to hear from Mr. Next Door Neighbor as well as from professional broadcasters.



Tickets to broadcasts are in great demand





"America's Town Meeting of the Air" has been cited as the best example of freedom of the air. Here, the listener can debate with the celebrities on the platform on topics of the day. George V. Denny, Jr., is shown at the left giving the floor to a questioner who (above) is seen taking it.







Jerry Belcher (left) takes his mike right into homes of listeners. Center: Lyman Bryson (at head of table) invites "typical citizens" to dinner for the extemporaneous "People's Platform" fright. Right: Major Bowes and his amateurs hold their grip on popularity. Here he is with a fellow playing two musical saws.



The applause and laughter of a typical studio audience such as the one portrayed on the right are measured by the "applause meter" shown above.





George Burns and Gracie Allen, one of the highest-paid comedy teams in the land.

KING COMEDY STILL REIGNS

FROM the very beginning of radio entertainment, comedy has never been displaced as a smash hit classification on stations' schedules. Listeners like to laugh and the broadcasters and sponsors spare no expense in obtaining the world's best funsters. Many of the comedy stars have held their popularity through the years but declare it's a tough assignment to get new material for every broadcast.





"Feud for Thought" might be the caption of the photo at the left showing Jack Benny and Fred Allen meeting. Above: "The Bee or not The Bee—that is the question" Jack seems to wonder as he raises his bow.









Left: Bob Burns, who skyrocketed to comedy stardom and who many believe comes closest to filling the philosopher-comedy role of the late Will Rogers. Above: Two of the old reliables, Al Jolson and Joe Penner. In center oval: Oliver Wakefield, the English comedian who scored favorably in his American broadcasts.





Top: Two popular comedy pairs-Marion and Jim Jordan (Fibber McGee and Molly) and (right) Stoopnagle and Budd. The latter pair, whose real names are F. Chase Taylor and Wilbur Budd Hulick, have popped up solo in recent seasons but singly or doubly, they're great fun!







Parkyakarkas (Harry Einstein), The Mad Russian (Bert Gordon) and the man who introduced both to big-time broadcasts-Eddie Cantor.



Left: Pick and Pat (Pick Malone and Pat Padgett) talk things over with their production man Frank MacMahon.





Above: Teddy Bergman and Jack Haley who add merriment to the airwaves. Right: The Stroud Twins. Clarence brings the mike to brother Claude. The twins have scored sensationally with Charlie McCarthy. [7]







Left: Kaltenmeyer's Kindergarten has a recess. Left to right, Professor August Kaltenmeyer (Bruce Kamman), Izzy Finkelstein (Johnny Wolf), Percy Van Schuyler (Merrill Fugit), Cornelius Callahan (Billy White) and Yohnny Yohnson (Thor Ericson). Above: Sam Hearn, better known as Schlepperman whose "Hullo. Stranzer" remark is a famous tag-line.







The movies are the source of considerable comedy material. Andy Devine and Charles Butterworth (above) are popular mike performers. Left: "Tim and Irene"—Tim Ryan and Irene Noblette, do a comedy-ventriloquist routine for the camera.







Bob Hope used the air as a short cut to screen stardom after many years on the stage. He's shown at the left with his comely nemesis, Honeychile. He's known to change his mike partners from season to season, so it's not always the same Honeychile you hear. Above: Billy House, star of "The Laugh Liner" and Cal Tinney. a youngster who, like Bob Burns, has been nominated as a successor to the late Will Rogers.

nuc.

Young Deanna Durbin who followed her radio success with film triumphs has earned a grown-up as well as juvenile following.



Walter Tetley, veteran child dramatic performer, who now shares time between radio and talkie mikes. Hollywood scouts signed him after his spectacular supporting roles with leading air stars. Right: Madge Tucker, director of NBC's children's features and discoverer of many talented youngsters.





"Jolly Bill" Steinke, conductor of a novel junior news program, and Hendrick Willem Van Loon, author and artist, who is as popular with child listeners as with grown-ups, a knack few writers or broadcasters can achieve.

KID STARS AND KID PROGRAMS

A LARGE share of each day's program schedule is devoted to features of especial appeal to youngsters. Sponsors feel that if they reach the children with good programs they are building sales for the future. Network standards for children's programs are very high and each new feature must pass a board of experts on child welfare and psychology.



Ireene Wicker, radio's famous "Singing Lady". Below: Uncle Don (Donald Carney), popular children's program story-teller, singer, pianist and master-of-ceremonies.



A LITTLE BIT OF EVERYTHING

T'S a standard gag around the studios that whenever a sponsor has a lot of money to spend on an airshow, he auditions all types of programs and finally winds up with a band, a comedian, a vocal star, a dramatic sketch and a master-of-ceremonies, or, in other words, a variety show. It's not always a sure-fire formula but there are many exceptional hit combinations under the heading of "Variety."







Don Ameche, popular singer, actor and master-of-ceremonies of the Chase & Sanborn Hour.



Leaders of three top-notch variety shows. Left to right: Rudy Vallee, Kate Smith and Bing Crosby, all of whom are versatile entertainers as well as program directors.





It's "Good News" to many when the program of that name hits the air. Four of its headliners are shown above: Left to right: Frank Morgan, the hesitant conversationalist of the films; Hanley Stafford, the exasperated daddy of Baby Snooks; Meredith Willson, musical director, and Robert Taylor, the movie star serving as master-of-ceremonies. Right: Ben Bernie, graduated from bandsman to program "m.c." is shown with Sophie Tucker.

THE CURTAIN RISES

BROADCASTING is now an acknowledged branch of drama and the leading names of the stage and screen are attracted by its many opportunities as well as the fat salaries that go with appearance on a sponsored show. Radio drama is divided in two classes: Original and adapted plays are in one branch, and serial and sketch programs are in the second. As far as air audiences go, such names as Amos 'n' Andy and Myrt and Marge, made popular on the air, are just as much an attraction as the marquee names radio recruits from the footlights and kleiglights.





Edward G. Robinson and Claire Trevor, costars of the popular CBS serial "Big Town" are in the ranks of "regular" air performers, differing from most other big movie names who just appear on guest spots.





James Cagney and Noel Coward are caught by the studio candid camerman. Circle: Irene Rich, who, in several seasons on the air. scored as favorably with listeners as she did with theatre and movie audiences.







Left to Right: Cecil B. De Mille, the movie director who added microphone triumphs to his megaphone hits as producer of the CBS "Radio Theatre" programs; Wallace Beery, an occasional guest star, and Jean Hersholt, portrayer of "Dr. Christian" in the radio series of that name.







The theatre's "royal family" is in constant air demand. Left to right: Lionel, Ethel and John Barrymore.

BROADCASTING STATIONS of THE UNITED STATES

| | BROADÇAS' | TING | STATIONS | | E UNITED | STATES |
|---------------------------------------|--|--|-------------------------------|---|---|---|
| Call Letters | Location | Frequency (KC.) (| Power | Call Letters | Location | Frequency Power (K C.) (Watta) |
| KABC | San Antonio, Tex. Aberdeen, S. Dak. | 1420 100- 1420 | -250 | | Sterling, Colo. | 1200 100 |
| KABR KADA | Aberdeen, S. Dak. Ada, Okla. | 1420 1200 | 100 100 | KGEK KGER KGEZ | Long Beach, Calif | 1360 1000 |
| KALB | Alexandria, La. | 1510 | 100 | KGFF | Shawnee, Okla. | 1420 100-250 |
| KAND | Corsicana, Tex. | 1310 | 100 | KGFJ | Sterling, Colo. Long Beach, Calif Kalispell, Mont. Shawnee, Okla. Brownsville, Tex. Los Angeles, Cali Roswell, N. Mex. | f. 1200 100-250 |
| KANS KARK | Wichita, Kans. Little Rock, Ark. | 1210 890 500 | 100 | KGFL | Roswell, N. Mex. | 1370 100 |
| KARM | Fresno, Calif. | 1310 | | KGFX | Pierre, S. Dak. | 1200 100 1380 1000 1310 100 1420 100-250 1500 100-250 1500 100-250 1370 100 1370 100 1310 100 630 200 11f. 1420 100 . 1010 1000 ex. 1230 1000 |
| KASA Kast | Astoria, Ore. | 1370 | 100 | KGGC KGGF | San Francisco, Ca Coffeyville, Kans | lif. 1420 100 - 1010 1000 |
| KATE Kawa | Albert Lea, Minn. Gallup, N. Mex. | 14/20 (1500 | 250 100 | KGGM | Albuquerque, N. M. | ex. 1230 1000 |
| KBIX | Muskogee, Okla. | 1500 | 00 | KGFF KGFJ KGFL KGFW KGGC KGGG KGGHF KGHL KGHL KGIR | Little Rock, Ark. | 1200 100-250 |
| KBND | Bend, Ore. (C.P.) | 1310 100- | 250 | KGHL | Butte, Mont. | 1340 1000-2500 |
| KBPS KBST | Ada, Okia, Alexandria, La. Portiand, Ore. Corsicana, Tex. Wichita, Kans. Little Rock, Ark. Fresno, Calif. Elk City, Okla. Astoria, Ore. Albert Lea, Minn. Gallup, N. Mex. Muskoge, Okla. Baker, Ore. (C.P.) Bend, Ore. (C.P.) Portland, Ore. Big Spring, Tex. Jonesboro, Ark. Kansas City, Kans. Texarkana, Lex. Kansas City, Mo. Enid, Okla. Jerome, Ariz. Duluth, Minn. Santa Barbara, Calif Casper, Wyo. Pittsburgh, Pa. Devils Lake, N. Dak. | 1310 100- 1420 1500 1200 1310 1420 100 1370 | 100 1 0 0 | KG1W KGKB | Alamosa, Colo. | 1420 100 1500 100-250 |
| KBTM KCKN | Jonesboro, Ark. | 1310 | | KGKL KGKO | San Angelo, Tex. | 1370 100-250 |
| KCMC | Texarkana, Lex. | 1420 100 | - <u>2</u> 50 <u><u>ğ</u></u> | KGKY | Scottsbluff, Nebr | 1500 100-250 |
| KČMÔ KCRC | Enid, Okla. | 1370 | 50 8 | KGLO | Mason City, Iowa Safford, Ariz, (C | 1210 100-260 .P.) 1420 100-250 |
| KCRĴ KDAŁ | Jerome, Ariz. Duluth, Minn. | 1310 100 1500 1 |)-250 ·= 00 = | KGMB KGNC KGNF KGNO KGO KGU | Honolulu, Hawaii | 1320 1000 |
| KDB KDFN | Santa Barbara, Calif | 1500 100- | 250 | KGNF | North Platte, Neb | r. 1430 1000 |
| KDKA | Pittsburgh, Pa. | 980 500 | 000 <u>a</u> | KGNO | San Francisco, Ca | 11f. 790 7500 |
| KDLR KDNC | Devils Lake, N. Dak. Lewistown, Mont.(C.P.) | 1210 100- | 00 250 2 | KGU | Honolulu, Hawaii | 750 2500 |
| KDNT | Denton, Tex. | 1420 | <u> </u> | KĞYÖ | Missoula, Mont. | 1260 1000 |
| KDTH | Casper, Wyo. Pittsburgh, Pa. Devils Lake, N. Dak. Lewistown, Mont.(C.P.) Denton, Tex. Monterey, Calif. Dubuque, lowa (C.P.) Salt Lake City, Utah Los Angeles, Calif. Seattle, Wash. Los Angeles, Calif. Centralia, Wash. | 1340 | <u> </u> | KGYL KGYO KGW KGY KHBC | Olympia, Wash. | 1210 1000-5000 |
| KDYL | Sait Lake City, Utah Los Angeles, Calif | 1290 IQ | 100 II 1-5000 II | KHBC | Hilo, Hasali Okaulasa Okla | 1400 250 |
| KEEN | Seattle, Wash. | 1370 | 00 = | KHJ | Los Angeles, Calli | r. 900 1000-5000 |
| KELA | | | | KHÓ | Chico, Calif. | f. 1500 100-250 1370 100 1370 100 1370 100 1310 100 1310 100 1310 100 1310 1000 1310 1000 1320 500 1320 500 1320 1000-500 1340 1000-250 1370 100-250 1370 100-250 1370 100-250 1410 100-5000 1210 100 1260 1000-5000 1210 100 1260 1000-5000 1210 100 1360 1000-5000 1210 100 1360 1000-5000 1210 100 1360 1000-5000 1210 100 1360 1000-5000 1210 100 1360 1000-5000 1210 100 1370 100 1370 100 1370 100 1370 100 1470 100 |
| KELD | N. of Eldorado, Ark Sloux Falls, S. Dak. Bakersfield, Calif. | 13/0 | <u>e</u> : | KHSL KHUB KICA KID | Watsonville, Call | f. 1310 250 |
| KERN KEU B | Bakersfield, Calif. | 1370 I | 00 E | KID | Idaho Falls, Idaho | 320 500-1000 |
| KEX KFAB | Price, Utah Portland, Ore. Lincoln, Nebr. | 1180 50 | 000 5 | KIDU | Lamar, Colo. | 1420 1000-2500 |
| KFAB KFAC | Los Angeles. Calif | 770 100 | 000 E | KIEW | Eureka, Calif. | 1450 500-1000 850 250 |
| KFAM | Los Angeles, Calif St. Cloud; Minn. Fairbank, Alaska (C.P.) | 1300 10 1420 1 | 00 g | RINY | Juneau, Alaska | 1310 100 |
| KFBB | Fairbank, Alaska (C.P.) Great Fails, Mont. Abliene, Kans. Sacramento, Callf Beaumont, lex. Brookings, S. Dak. Denver, Colo. St. Joseph, Mo. Boone, lowa Wichita, Kans. Los Angeles, Callf. Spokane, Wash. Fond du Lac, Wisc. Marshalltown, lowa Klamath Falis, Ore. | 1280 1000 | 5000 ± | KIDO KIDW KIEM KIEY KINY KIRO KITE KITE | Yakima, Wash. | 1250 250-500 |
| KFBI KFBK | Abilene, Kans. Sacramento, Callf | 1490 50 | 00 <u>:=</u> | KITE KIUL | Kansas City, Mo. Garden City, Kans | . 1530 1000 . 1210 100 |
| KFDM KFDY | Beaumont, Tex. Brookings S. Dak | - 560 500- | 1000 | KIUN KIUP KJBS: KJR KLAH KLBM KLCN | Pecos, Tex. | 1420 [00 1370 [00 |
| KFEL | Denver, Colo. | 920 5 | , | KJBS | Durango, Colo. San Francisco, Cal | 11f. 1070 500 .970 5000 |
| KFEQ KFGQ | Boone, lowa | 1370 | 00 5 | KJR Kláh | Seattle, Wash. Carlsbad, N. Mex. La Grande, Ore. (C. Blytheville, Ark. | .970 500 0 1210 100 |
| KFH KF I | Wichita, Kans. Los Angeles, Calif. | 1300 1000 640 500 | -5000 g | KLBM | La Grande Ore. (C. | .P.) 1420 1 00-250 1290 100 |
| KF 10 KF 1Z | Spokane, Wash. | 1120 | 00 | KLO KLPM KLRA | Ogden, Utah | 1400 500 |
| KFJB | Marshalltown, lowa | 1200 100- | 250 = | KLPM | Little Rock, Ark. | 1390 1000-5000 |
| KFJ1 KFJM | Grand Forks, N. Dak. | 410 500- | 1000 | KLS | Oakland, Calif. | 1280 250 1370 100 |
| KFJM KFJR KFJZ | Portland, Ore. | 1300 5 | 00 = | KLX | Oakland, Calif. | 880 1000 |
| KFKA | Greeley, Colo. | B80 500- | 1000 🖺 | KLZ | Shenandoah, lowa | 930 1000-5000 |
| KFKU KFNF | Lawrence, Kans. Shenandoah, lowa | 890 500- | 1000 - | KMAC KMBC | San Antonio, Tex. Kansas City, Mo. | 1370 100-250 950 1000-5000 |
| KFOR KFOX | Lincoln, Nebr. | 1210 100- | 250 = | KMED | Medford, Ore. | 1410 250 |
| KFPL | Dublin, Tex. | 1310 100- | 250 🛋 | KMJ | Monroe, La. | 1200 100-250 |
| KFPW KFPY | Spokane, Wash. Fond du Lac, Wisc. Marshalltown, Iowa Klamath Fallis, Ore. Grand Forks, N. Dak. Portland, Ore. Fort Worth, Tex. Greeley, Colo. Lawrence, Kans. Shenandoah, Iowa Lincoin, Nebr. Long Beach, Calif. Dublin, Tex. Ft. Smith, Ark. Spokane, Wash. Anchorage, Alaska | 890 1000 | -5000 C | KMMJ | Clay Center, Nebr. Tacoma, Wash. | 1290 100 1400 500 1440 250 1390 1000-5000 1280 250 1370 100 880 1000-5000 930 1000-5000 930 1000-5000 1370 100-250 950 1000-5000 1410 250 580 1000-5000 1410 250 580 1000 1200 100-250 740 1000 1330 10000 |
| KF00 KFRC | Anchorage, Alaska San Francisco, Callf. | 780 2 | 50 1-5000 ** | KMOX KMPC | St. Louis, Mo. Beverly Hills, Cal Los Angeles, Calif | 1090 50000 if. 710 500 |
| KFRO | Longview, Tex. Columbia, Mo. | 610 1000 1370 2 630 500- 600 100 1120 500- 550 500- 1000 100 | 5000 X 1000 O | KMTR | Los Angeles, Calif | if. 710 500 . 570 1000 |
| KFRU KFSD | San Diego, Calif. | 600 100 | 500 5 | KNET | Palestine, Tex. | 1420 100 |
| KFSD KFSG KFUO KFVD KFVS | Los Angeles, Calif. Clayton, Mo. | 1120 500- 550 500- | 200 Z | KNOW KNX | Austin, Tex. Los Angeles, Calif | 1500 100 1050 50000 |
| KFVD | Los Angeles, Calif. | 1210 100- | 00 | KOA | Denver, Colo. Corvallis, Ore. | 830 50000 |
| KFWB | Cape Girardeau, Mo. Hollywood, Cailf. Nampa, Idaho Grand Junction, Colo. San Bernardino, Cailf. | 950 1000 | -5000 | | | 550 1000 790 1000 |
| KFWB KFXD KFXJ | Nampa, Idaho Grand Junction, Colo. | 1500 100- | 250 250 | KOBH KOBH | Albuquerque, N. Me Rapid City, S. Dak Kilgore, Tex. Oklahoma City, Okl | x. 1180 10000 . 1370 100-250 |
| | San Bernardino, Calif. | 1210 I 550 5 | 00 | KOCA KOCY KOH | Kilgore, Tex. | 1210 100-250 |
| KFYO | Lubbock, Tex. | 1310 100- | 250 | ŅUH | KENO, NEV. | 1380 300 |
| KFUÖ KFYO KFYR KGA KGAR | Clayton, Mo. Lubbock, Tex. Bismarck, N. Dak. Spokane, Wash. Tucson, Ariz. | 1470 50 | -5000 | | Cooks Nake | 1260 1000 8000 |
| KGAR KGB | Tucson, Ariz. San Diego, Calif. | 1470 50 1370 100- 13:30 10 | 250 00 | KOKO | Omana, Nebu Portland, Ore. La Junta, Colo. Seattle, Wash. Oklahoma City, Okl Seattle, Wash. San Antonio, Tex. Marshfield, Ore. | 940 1000-5000 1370 100 1270 1000-5000 |
| KGBU | Ketchikan, Alaska | 900 5 | 00 | KOL KOMA | Oklahoma City, Okl | a. 1480 5000 |
| KGBX KGCA | Decorah, lowa | 1230 5 1270 1 | 00 00 | KOMA KOMO KONO | Seattle, Wash. San Antonio. Tex. | a. 1480 5000 920 1000-5000 1370 100 1200 100-250 |
| KGCT | Coeur d'Alene, Idaho (CP) | 1200 i | 00 | KOOS KORE | Marshfield, Ore. | 1200 100-250 1420 100 |
| KGCA KGC I KGCU KGCX KGDE | Wolf Point, Mont. | 1450 10 | 00 | KOTN | Eugene, Ore. Pige Bluff, Ark. Valley City, N. Da | 1500 100 |
| KGDM KGDY | Springfield, Mo. Decorah, lowa Coeur d'Alene, Idaho(CP) Mandan, N. Bak. Wolf Point, Mont. Fergus Falls, Minn. Stockton, Calif. Huron, S. Dak. | 1240 2 1450 10 1200 100- 1100 10 | 250 | KOYC | Valley City, N. Da Phoenix, Ariz. Laredo,Tex. (C.P.) | k. 1500 100-250 1390 1000 |
| KGDY | Muron, S. Dak. | 1340 2 | 50 [12] | KPAB | Laredo,Tex. (C.P.) | 1500 100-250 |

| Peper | ### 1976 San Fractical alif. #500 50000 Color Colo | Call Letters | Location | Frequency Power (K.C.) (Watts) | | Call Letters | | Frequency Power (K.C.) (Watts) |
|--|--|--|--|--|--|-------------------------|---|---|
| 1000 Poolar Ruff Mo. 1310 100 151 WCNW Brooklyn N. Y. 1500 100-250 | (WOO' Poplar Right Mo. 1310 100 1.5 WCNW Brooklyn, N. Y. 1500 100-250 | Letters KPROM A CT TO COME TO CT TO | Port Arthur Tex. Poplar Bluffs, Mo. (C.P.) Pampa, Tex. Helena, Mont. Lake Charles, La. Paris, Tex. Bakersfield, Calif. San Francisco, Calif. Denver, Colo. Pasadena, Calif. Wenatchee, Wash. Houston, Tex. Pittsburgh, Pa. San Jose, Calif. Lufkin, Tex. Abilene, Tex. Bozeman, Mont. (C.P.) Berkeley, Calif. Weslaco. Tex. Beaumont, Tex. (C.P.) Corpus Christi, Tex. Los Angeles, Calif. Everett, Wash. Lewiston Idaho Dalias, Tex. Midland, Tex. Jamestown, N. Dak. Shreveport, La. Roseburg, Ore. Des Moines, Iowa Rochsster, Minn. E! Paso, Tex. (C.P.) Oakland, Calif. Santa Fe, N. Mex. Sherman Tex. Seattle, Wash. Manhattan, Kans. Salina, Kans. Salina, Kans. Luntsville, Tex.(C.P.) Soloux City, Iowa St. Louis, Mo. Pocatello, Idaho San Francisco, Calif. Salt Lake City, Utah Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho San Francisco, Calif. Salt Lake City, Utah Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moines, Iowa St. Louis, Mo. Pocatello, Idaho Salem, Ore. Des Moi | 1260 500 1310 100 1310 100 1310 100 1310 100 1310 100 1310 100 1210 100 250 1500 250 1000 680 5000 1000 1000 1310 100 1310 250 1310 100 250 1310 100 250 1310 100 250 1310 100 250 1310 100 250 1310 100 250 1310 100 250 1310 250 1310 100 250 1310 100 250 1310 100 250 1310 100 250 1310 100 250 1310 100 1200 1310 100 250 1310 1 | NOTE: C. P. after station location, indicates construction permit has been issued. | SSCHOOL KOZ ASSM BFT WI | Jefferson City, Wo- Pullman, Wash. Watertown, S. Dak. Springfield, Mo. Sherldan, Wyo- Sherldan, Wyo- Sherldan, Wyo- Sherldan, Wash. Portland, Ore- El Centro, Calif. St. Louis, Mo. (C.P. Aberdeen, Wash. Houston, Tex. San Francisco, Calif. Prescott, Ariz.(C.P. Merced, Calif. Mankato, Minn. (C.P. Philadelphia, Pa. Boston, Mass. Chicago, Ill. Jersey City, N. J. Omaha, Nebr. New York, N. Y Bangor, Me. Albany, N. Y. Waco, Tex. Tallmadge, Ohio Athens, Ga. Dothan, Ala. Presque Isle, Me. Anderson, S. C. Winston-Salem, N. C. Winston-Salem, N. C. Winston-Salem, N. C. Mobile, Ala. Zanesville, Ohio. Laurel, Miss. Birmingham, Ala. Chattanooga, Tenn. Brooklyn, N. Y. Grand Rapide, Mich. Atlanta, Ga. Waterbury, Conn. Louisville, Ky, Zarephath, N. J. Waycrost, N. Y. Richmond, Va. Kilkes-Barre, Pa. Brooklyn, N. Y. Richmond, Va. Chicago, Ill. Brooklyn, N. Y. Marquette, Mich. Huntsville, Ala. Greensboro, N.C. New York, N. Y. Clarksburg, W. Lima, Ohio New Orleans, La. Columbus, Ohio New Orleans, | (K.C.) (Watts) 1310 100 1220 1000-5000 1210 100 560 5000 1370 1000-250 1400 1000-250 1410 1000-250 1250 1000-5000 1250 1000-250 1250 1000-5000 1250 1000-250 1250 1000 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 1250 1000-250 |

| Call Letters | Location | Frequency Power (K.C.) (Watts) | Cali Letter | Location . | Frequency Power (K.C.) (Watts) |
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| ACCUPUVOWCHEFHASYJOOLVYCOCOMUS FAUUCOCOCOCOPRESHEFFALAALAASTO LA ALALAASTO LA ALALA | Pensacola, Fla. Meridian, Miss. Columbus, Ohlo Boston, Mass. Lewistown, Me. (C.P.) Cincinnati, Ohlo Chicago, Ill. Charleston, S. C. Portland, Me. Tampa, Fla. Kansas City, Mo. El Paso, Tex. Philadelphia, Pa. Fargo, N. Dak. Roanoke. Va. Orlando, Fla. Wilmington, Del. Waterbury. Vt. Wilmington, Del. Waterbury. Vt. Wilmington, N. C. Chattanooga, Tonn. Hartford. Conn. Superior, Wisc. (C.P.) New Orleans, La. Champaign, Ill. New York, N. Y Previdence, R. I Eau Claire, Wisc. Duluth, Minn. Harrisburg, Ill. Buffalo, N. Y. Chicago, Ill. Rocky Mount, N. C. Boston, Mass. Reading, Pa. New Haven, Conn. Battle Creek, Mich. Milwaukee, Wisc. Chicago, Ill. Elmira, N. Y. (C.P.) Evansville, Ind. Elmira, N. Y. Easton, Pa. New York, N. 3t. Louis, Mo. Royal Oak, Mich. Dailas, Tex. New York, N. St. Louis, Mo. Royal Oak, Mich. Dailas, Tex. Vanous Ill. New York, N. St. Louis, Mo. Royal Oak, Mich. Dailas, Tex. New York, N. St. Louis, Mo. Royal Oak, Mich. Dailas, Tex. Vanous Ill. Chicago, Ill. Chicago, Ill. Chicago, Ill. Chicago, Ill. Chicago, Ill. Chereport, N. Evansville, Ind. Scranton, Pa. Mississippi City, Miss Chicago, Ill. Cheresoft, W. Y. Evansville, Ind. Chicago, Ill. Cheresoft, N. Y. Evansville, N. Galesburg, Ill. (C.P.) Charleston, W. G. Charleston, W. G. Greenfield, Mass. Atlanta, Ga. Wisson, N. C. Lancaster, N. Y. Louisville, Ky. Rochester, N. Y. L | 1340 500-1000 1210 100 1210 100 1210 100 1210 100 1210 100 1210 100 1210 100 1210 100 1210 100-250 1210 100-250 1310 100-250 1 | ler station location, indicates construction permit has been issued. | La Crosse, Wisc. Youngstown, Ohio Harrisburg, Pa. Richmond, Ind. Wuffalo, N.Y. Muskegon, Mich. Griffin, Ga. Sunbury, Pa. Clncinnati, Ohio New Castle, Pa. (C.P. Okiahoma City, Okla. Nashville, Tenn. Lakeland, Fla. Lexington, Ky. Lawrence, Mass. Minneapolis, Minn C Muncie, Ind. Stevens Point, Wisc D Bangor, Me. Lerie, Pa. Loweil, Mass. U Middleboro, Ky. (C.P. Laconia, N.H. Chicago, Ill. B Tooklyn, N.Y. B Tooklyn, N.Y. Laynenburg, Va. | 1000 50000 1450 250 250 1000 250 250 1000 250 |

WRH

| Call Letters | Location | Frequency Power (K.C.) (Watts) | 1 | Call Letters | Location | Frequency Power (K.C.) (Watts) |
|---|--|---|---|---|--|--|
| LQSZGDFGHAGASAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA | Macon, Ga. Detroit, Mich. Peoria, III. OD (See WIOD-WMBF) Richmond, Va. Joplin, Mo. Chicago, III. Auburn, N.Y. Jacksonviite, Fla. Uniontown', Pa. Memphis, Ienn. New York, N.Y. boston, Mass. Vilmington, N.C. Plattsburg, N.Y. Hibbing, Minn. Daytona Beach, Fla. Decatur, Ala. High Point, N.C. St. Paul, Minc. Fairmont, W. Va. Lapeer, Mich. Memphis, Ienn. Sheffield, Ala. Cedar Rapids, lowa Boston, Mass. Norman, Okla. New Bedford, Mass. Norman, Okla. New Bedford, Mass. Norman, Okla. Springfield, Vt. Saranac Lake, N.Y. San Juan, Puerto Rico New York, N.Y. New London, Conn. New York, N.Y. New London, Conn. New York, N.Y. San Antonio, Tex. Davenport, lowa Barnstable Twp., Mass. (C.P. Ames, lowa Alibany, N.Y. Washington, D.C. Florence, S.C. Owensboro, Ky. Manitowoc, Wisc. Grand'Rapids, Mich. Bristol, Tenn. Newark, N.J. Worcester, Mass. York, Pa. | 1300 | P. after station location, indicates construction permit has been issued. | RAUVYZ CTANXSI MKJCADNIKI MKJCADNIKI MKSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS | Fall River, Mass. Wausau, Wisc. Savannah, Ga. Rcchester, N.Y. Huntington, W.Va. Atlanta, Ga. Chicago, Ill. South Bend, Ind. Montgomery, Ala. Birmingham, Ala. Nashville, Tenn. Winston-Salem, N.C. Jackson, Miss. (C.P.) Nashville, Tenn. New Orleans, La. Dayton, Ohio Bridgeton, N.J. Charlotte, N.C. Spartanburg, S.C. Toledo, Ohio Springfield, Mass. Salisbury, N.C. (C.P. Iowa City, Iowa St. Petersburg, Fla. Harrisonburg, Va. Buffalo, N.Y. Rutland, Vt. SYU Syracuse, N.Y. Quincy, Ill. Worcester, Mass. Tallahassee, Fla. Cleveland, Ohio Green Bay, Wisc. Norfolk, Va. College Station, Tex. Springfield, Ill. Cumberland, Md. Minneapolis, Minn. Philadelphia, Pa. Hartford, Conn. Jackson, Tenn. Milwaukee, Wisc. E. St. Louis, Ill. Trenton, N.J. Savannah, Ga. Toledo, Ohio Elkhart, Ind. Brooklyn, N.Y. Hammond, Ind. Detroit, Mich. New Orleans, La. Asheville, N.C. Woodside, N.Y. Pittsburgh, Pa. Wheeling, W.Va. Detroit, Mich. | 620 1000-5000 550 500 1370 50 1500 100 570 1000 900 1000 580 1000 |
| U ODRXYN CAOPFMNCWRKLWXL OWCNANLKL DIAIDEA JLN OOVW MAAAABPRRRTAAABWRKLWXL OWCNANLKL DIAIDEA JLN WWW WWW WWW WW WW WW WW WW WW WW WW WW | Boston, Mass. Columbus, Ohio New York, N.Y. Omaha, Nebr. Ft. Wayne, Ind. Paducah, Ky. Parkersburg, W. Va. Thomasville, Ga. Portsmouth, Ohio Philadelphia, Pa. Atlantic City, N.J. Sharon, Pa. (C.P.) Mayaguez, Puerto Rico Providence, R.I. Ponce, Puerto Rico Raleigh, N.C. Miami, Fla. Scranton, Pa. Vicksburg, Miss. St. Albans, Vt. New York, N.Y. Williamsport, Pa. Raleigh, N.C. (C.P.) Reading, Pa. Philadelphia, Pa. Columbus, Ga. Washington, D.C. Augusta, Me. Augusta, Me. Augusta, Ga. Memphis, Ienn. Lawrence, Kans. Rome, Ga. Racine, Wisc. Richmond, Va. Rockford, II. Knoxville, Tenn. Dallas, Tex. Richmond, Va. Richmond | 1130 1000 590 1000-5000 1160 10000 1420 100-250 1420 100 1210 100 1370 100 920 250-500 | NOTE: C. P. after station locs | | CANADIAN BROADCAST ST. CBF Montreal, Que. CBL Coronto, Ont. CBL Coronto, Ont. CBL LaPrairie, Que. CBO Harthorne, Ont. CBC Laurunian, CBC CBC Laurunian, CBC CBC Laurunian, CBC CBC CBC CBC CBC CBC CBC CBC CBC CB | 910 50000 8100 50000 8100 50000 81100 50000 81100 50000 81100 50000 81100 5000 81100 10000 811100 10000 |

Fanny Brice, veteran of the musical comedy and vaudeville stages, in her Baby Snooks characterization—a radio sensation.

DON'T BE YOURSELF!

A FEW radio entertainers have proved that it pays to follow that slogan. In recent seasons, persons who could do exceptional stunts with their voices won lucrative long-time contracts. Ventriloquism, mimicry and other vocal oddities, all of which were once thought unsuitable for the air, are now acknowledged smash-hit formulas.



That impish but lovable Charlie McCarthy and his master (?), Edgar Bergen, try out a script. Below: Bergen shows that even a ventriloquist's dummy demands a wardrobe suited to his status.









Left: Walt Disney, creator of Mickey Mouse, Donald Duck and numerous other imaginary cartoon characters who magically come to life on air programs. Center: Arthur Boran, a first-rate radio mimic who can impersonate the air's "great." Right: Tommy Riggs whose vocal creation of Betty Lou brought him nation-wide fame.



How a radio play takes the air is demonstrated by these four views from NBC's "Spy at Large" series. Upper left: The first script reading. Lines are ironed out and the cast learns story. Upper right: Director Joseph Bell gives some pointers to actresses Consuelo Lembke, Eileen Burns and Elena Karan. Lower left: The dress rehearsal with Miss Burns. Eric Dressler and Miss Lembke going through their paces. Lower right: On the air! Miss Lembke is shown reading the opening lines.





Two popular series of long standing are pictured above. Left: Four members of the cast of "One's Man's Family" which has been a radio hit since 1932. Photo shows Minetta Ellen (Fanny Barbour) with Bernice Berwin (Hazel) at left; Kathleen Wilson (Claudia) at right. and Winifred Wolfe (Teddy) below. Right: The popular team of Lum and Ahner in make-up. Chet Lauck plays Lum and Norris Goff portrays Ahner.



Amos 'n' Andy are snown with the only woman—and only third person—in their cast, Madaline Lee. The pair. Charles Correll (Amos) and Freeman Gosden (Andysenact all the other characters themselves. Right: Myrt and Marge. (Myrtle Vail and Donna Damerel).



Fred Waring, head of the Pennsylvanians, a pioneer radio band. Choral offerings are his dish. Right: They don't usually call him the "king of jazz" any more but there's no doubt that he's still its master — Paul Whiteman.

ON WITH THE DANCE!

WHETHER personal preferences go to "swing" or "sweet" music, dance music is a "must" on most listeners' tuning schedules. There are scores of headlining bands and space permits only some of the representative ones to be pictured on these two pages. Most dance bands attempt to establish an individual style to be distinctive and the demand for special arrangements of popular tunes keeps the arrangers working day and night. Many bands have stellar vocalists and instrumental soloists to enhance their offerings.







Phil Spitalny and his All-Girl Orchestra, a radio act that's in great demand for stage appearances. Right: Raymond Paige. Below, left: Guy Lombardo (seated) and his versatile brothers, Leibert, Carmen and Victor. Below, right: B. A. Rolfe, radio old-timer who's still a radio big-timer.











Vincent Lopez, Peter Van Steeden and Robert Armbruster, three ace baton-wavers.





The Dorsey Brothers used to jointly conduct their own orchestra under that name but now they have separate aggregations—both highly successful. Jimmy Dorsey is at the left and Brother Tommy at the right.







Al Goodman, George Olsen and Joe Rines, all stellar bandsmen.







Left to Right: Horace Heidt, conductor of the Brigadiers, Gene Krupa, the drummer, who left Benny Goodman to head his own band, and Richard Himber, a consistent broadcaster.

BEAUTY AND THE MIKE

RADIO vies with the stage and screen in the beauty of its female stars. In the long run, radio even goes the other entertainment mediums one better; the microphone drafts the "best-lookers" as well as the best talent from the stage and cinema. And the high standard of mike beauty has brought about many screen offers for the broadcasting damsels. With television in the offing, you will soon enjoy hearing as well as seeing these decorative persons.







Elaine Bassett, an NBC dramatic performer. Left: Betty Lou Gerson, NBC actress and Alice Frost, heard on both CBS and NBC in leading dramatic roles.



Left to right: Olga Andre. NBC songstress frequently featured on shortwave programs because of her ability as a linguist; Virginia Verrill, vocalist presented on both networks and the Lane Sisters—Priscilla and Rosemary, whose air work brought about a Hollywood cinema career. Below, left to right: Wendy Barrie, who reversed the Lane Sisters formula by coming to the air from the screen; Maxine, vocalist with Phil Spitalny's All-Girl Orchestra, and Bess Johnson who plays a featured role in the CBS series "Hilltop House."











Dorothy Lamour, singing co-star of the NBC Chase & Sanborn Hour, whose picture on magazine covers is said to have nearly established a quantity record for radio artists, Ruth Warrick (right), CBS actress, shows the photographer her idea of keeping cool during a broadcast.





Betty Caine and Helen Walpole, NBC actresses, who are undoubtedly adept on figures of speech.





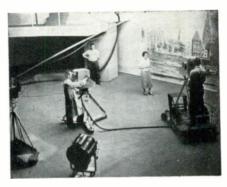
Gale Page, NBC singer and actress, who also used the mike as a short-cut to Hollywood fame. Right: Templeton Fox, NBC actress.

The mirror-lid of this television receiver reflects a picture measuring 12 by 14 inches off a vertically-mounted cathode-ray tube. This set was introduced to the Berlin market and is similar in many respects to models developed in American laboratories.



THERE ARE ADDED THRILLS IN SIGHT

ND sight, of course, means television. The great progress in the video art here and abroad indicates that regular television programs should be available in many parts of the country at an early date. It is certain that the new art will win wide acceptance on a mass scale and that many of the current crop of radio stars will be drafted for the television camera along with stars of the stage and screen.



No, this is not a Hollywood movie set. It is a typical European television studio. Left: This photograph reveals the excellent detail of a projection television image on a theatre-size screen ten feet high and twelve feet wide.







Preparations are under way for the introduction of public-participating television in many American cities. Gilbert Seldes and Peter C. Goldmark, respectively television program director and television engineer of the Columbia Broadcasting System, are seen at the left at the scanning panel of the network's New York video station. In the center photo they are inspecting one of ten giant transformers for the new Chrysler Building sight-and-sound station. A Columbia television studio setting of many years ago is shown at the right. The image was virtually confined to "head and shoulders" in those days. Today, however, the television camera can pick up wide-angle scenes in the manner of a movie camera.

TELEVISION BROADCAST STATIONS

| LICENSEE AND | CALL | FREQUENCY (ke) OR GROUP* | POV VISUAL | VER AURAL | EMISSION |
|--|---------|---------------------------|--------------------|--------------|--|
| LOCATION | LETTERS | OK GROUP* | VISUAL | AURAL | EMISSION |
| Columbia Broadcasting System, Inc., New York, N. Y. | W2XAX | В, С | 50w C. P. 7500w | 7500w | A4 A3 |
| Don Lee Broadcasting System, Los Angeles Calif. | W6XAO | В, С | 150w C. P. 1kw | 150w | A3, A4 |
| Farnsworth Television Incorporated of Pa., Springfield, Pa. | W3XPF | В, С | 4kw | 1kw | A3, A4 (C. P. only) |
| First National Tele- vision, Inc., Kansas City, Mo. | W9XAL | В, С | 300w | 150w | A3, A4 |
| General Television Corporation, Boston, Mass. | W1XG | В, С | 500w | | A4 |
| The Journal Company, Milwaukee, Wisconsin. | W.9XD | В, С | 500w | | A4 |
| Kansas State College of Agriculture & Applied Science, Manhattan, Kansas. | W'9XAK | A | 125w | 125w | A3, A4 & Special |
| National Broadcasting Co., Inc., New York, N. Y. | W2XBS | В, С | 12k w | 15kw | A3, A4 |
| National Broadcasting Co., Inc., Portable (Camden, N. J. & New York, N. Y.) | W2XBT | D(92,000 & 175000-180000) | 400w | 100w | A1, A2, A3, A4 & Special (C. P. only) |
| Phileo Radio & Tele- vision Corp., Philadelphia, Pa. | W3XE | В, С | 10kw | 10kw | A3, A4 |
| Philco Radio & Tele- vision Corp., Philadelphia, Pa. | W3XP | D(204000- 210000) | 15w | | A4 & Special (C. P. only) |
| Purdue University, West Lafayette, Ind. | W9XG | A | 1500w | | A4 |
| Radio Pictures, Inc., Long Island City, N. Y. | W2XDR | В, С | 1kw | 500w | A3, A4 |
| RCA Manufacturing Co., Inc., Portable (Bldg. No. 8 of Camden Plant) | W3XAD | D(124000 to 130000) | 500w | 500w | A3, A4 |
| RCA Manufacturing Co., Inc., Camden, N. J. | W.3XEP | В, С | 30kw | 30kw | A3, A4 |
| RCA Manufacturing Co., Inc., Portable-Mobile | W10XX | в, с | 50w | 50w | A3, A4 |
| The Sparks-Withington Company, Jackson, Michigan. | W8XAN | В, С | 100w | 100w | A3, A4 |
| University of Iowa, Iowa City, Iowa. | W9XK | A | 100w | | A4 |
| University of Iowa, Iowa City, Iowa. | W9XUI | в, с | 100w | | A4 |
| Dr. George W. Young, Minneapolis, Minnesota | W9XAT | В, С | 500w | | A4 |

*FREQUENCY GROUPS

| _ | Group A | Group B | Group C | Group D |
|---|-----------------|---------------------|---------------------|---|
| | 2000 to 2100 ke | 42,000 to 56,000 ke | 60,000 to 86,000 ke | Any 6,000 ke frequency band above 110,000 ke excluding 400,000 to |

THE SERIOUS SIDE OF RADIO MUSIC

In this age of swing music and such dances as the Big Apple, Lambeth Walk and Yam, radio renditions are by no means confined to jitterbugs' tastes. The serious side of music is not neglected. The best symphony concerts, operas and instrumental and vocal solo bits are offered on radio schedules. Sponsors and networks spare no expense to obtain the best names in the music world.



Lily Pons, the world-famed coloratura, and her noted conductor-husband, Andre Kostelanetz.





There's beauty on the classical programs, too, as these views of Gladys Swarthout and Grace Moore adequately prove.



Arturo Toscanini, acclaimed by many experts as the greatest symphonic conductor of all time. As chief conductor of the NBC Symphony Orchestra, he has contributed greatly towards the advance of broadcast entertainment. An NBC photographer, took these candid shots of Toscanini in action.







Three popular singers of classics-Lawrence Tibbett, Margaret Speaks and Walter Cassell.







Judging by the smiles of these three stars, serious music has its bright side. Left to right: Howard Barlow, CBS conductor; Vivian Della Chiesa, NBC lyric soprano, and Erno Rapee. NBC conductor.





Mario Cozzi, NBC baritone. Left: Pierre French, conductor, who scored favorably with American listeners. Right: Frank Black, NBC conductor.



WORLD-WIDE SHORT-WAVE STATION LIST

| Kc. Meters Call | Location | Kω. | Service, etc. | Ke. Meters Call | Location | Kω. | Service, etc. |
|--|---|----------------------|---|--|---|---|--|
| 400,000 0.75 W1XEG | Storrs, Cons. | 0.5 T | Experimental Experimental | 15,620 19.21 JVF | Namki, Japan Hawan, Cuba | | Phone to KWU; occ. ba. Tests. irr. |
| 40,500 4.96 W8XKA 53,500 5.41 W8XKA 41,000 7.32 W2XG | Pitteburgh, Pa. Pitteburgh, Pa. New York, N. Y. | 0.15 | Exp.; relays KDKA | 15.506 19.21 JVF 15.506 19.35 CMA3 15.490 19.37 KEM 15.475 19.39 KEM 15.475 19.39 KEM 15.490 19.43 TUG 15.490 19.43 KEM 15.200 19.45 KEW 15.300 19.35 DZG 15.306 19.54 KEW 15.306 19.55 DJR 15.306 19.55 DJR 15.306 19.55 DJR 15.306 19.55 UZXAD 15.306 19.55 UZXAD 15.306 19.55 UZXAD | Hannat, Japan Hawana, Cuba Bolinna, Calif. Bolinna, Calif. Addin Ababa, lithiopia Masatian, filmaloa, Menico Dribra, Calif. Bashashbitevar, Hungary Zasam, Germanir | 40.0 | Phone Phone |
| 41,000 7.32 W2XG 31,000 9.50 W1XKA | New York, N. Y. Chicopes Falls, Mass. | | Experimental Experimental | 18,459 19.42 IUG | Addis Ababa, Ethiopia | | DL |
| 31,000 9.50 WIXKA 31,000 9.50 WIXKA 31,000 9.49 W3XKA 31,000 9.49 W8XKA 31,000 9.49 W8XWJ 31,000 9.49 W9XPD | Chicopes Falls, Mass. Philadelphia, Pa. Roshester, N. Y. | 0.1 | Exp., relays KYW Exp., relays WHAM Exp.; relays WHAM Experimental Exp.; relays WWJ | 15,430 19.45 KWO | Diana, Calif. | 20.0 20.0 | rnoos Be.; relays XEBL Phone to Hawaii, Manila Broadcast |
| 31,600 9.49 W8XKA | Pittsburgh, Pa. Detsoit, Mich. St. Louis, Mo. | 0.1 | Experimental Exp.: relays WWJ | 15,370 19.52 HASS 15,380 19.53 DZQ | Disses, 2011. Broshankhov raz, Hungary Leona, Grander van W Leona, Gill. Leona, Gill. Senand, Janes Van Lara, Belivia Zessen, Germany Beneca Airea, Argesvina Wayna, Argesvina Wayna, Mij. Beneca, Airea, Argesvina Baynan, J. Senandolovakia Huima, Holland Hidaburgh, Geneboolovakia Huima, Holland Hidaburgh, China Darcetty, Hugiand Nanaki, Japan Davesty, Hugiand Nanaki, Japan Davesty, Hugiand Vationa Oliv Zessen, Genany Laray Vationa Oliv Zessen, Genany Laray Huima, Facilia Mander, Bradda Manery, Gill-S. Redda Manery, Gill-S. Redda Manery, Gill-S. Redda Manery, Gill-S. Sen Salvafer, El Salvador | 20.0 | Phone Phone to Hawaii |
| 31,000 9.49 W8XWJ 31,000 9.49 W9XPD | St. Louis, Mo. | 6.1 20.0 | Report | 15,365 19.54 KWU 15.340 19.56 DJR | Densis, Calif. Zeesen, Germany | 20.0 50.0 | Daniel Accord |
| 37600 9.49 W9XPD 26,100 11.49 GSK 21,540 13.93 W8XK 21,540 13.93 GSV 21,520 13.94 W2XE 21,529 13.94 JZM 21,470 13.97 GM 21,460 13.98 W1XAL 21,460 13.99 OLREA 21,460 13.99 OLREA | St. Louis, Mo. Davestry, England Pitsburgh, Pa. Davestry, England Wayne, N. J. Naski, Japaa Davestry, England Bestee, Mass. Padebrady, Caseboslovakia Lawrencerille, N. J. Hurlingham, Argentina | 40.0 | Be.; relays KDKA | 13.30 19.35 UVAAD 14.300 11.57 UVAAD 14.300 11.57 UVAAD 14.300 11.50 UVAAD 14.300 11.50 UVAAD 14.300 11.50 UVAAD 15.200 11.60 UVAAD 16.300 11.60 UVAAD 15.300 11.60 UVAAD 16.300 UVAAD 16.300 11.60 UVAAD 16.300 11.60 UVAAD 16.300 11.60 UVAAD 1 | Schenectedy, N. Y., Padebaska Czechoslovskia | 26.0 | Broadcast Bc.; relays WGY Broadcast |
| 21,830, 13.93 GSJ 24,520 13.94 W2XE | Wayne, R. J. | 13.4 | Be.; relays WABC | 15,310 19.60 GSP | Daventry, England | 20.0 | Broadcast Phone |
| 21,520 13.94 JZM 21,470 13.97 GSH | Nasaki, Japan Daventry, England | 20.0 | Broadeast | 15,280 19.63 DJQ | Zeesen, Germany | 5-50 | Brindenst |
| 21,460 13.98 WIXAL 21,460 13.99 OLR6A | Boston, Mass. Padabrady, Czechoslovakia | 5 0 25.0 I | Brendeast Brendeast | 15,230 19.66 W2XE | Wayne, N.J. | 3.0 13.0 15.0 | Be.; relaye LR1 Be.; relays WABC |
| 21,490 14.01 WKK 21,100 14.18 LSL4 | Lawrenceville, N. J. | 20.0 | Phone Phone to London and Rio; | 15,200 19.64 GSI 15,250 19.67 WLXAL | Bayestey, England Beston, Mass. | 5.0 | Broadcast Broadcast |
| 21,100 14.10 1005 | Manila Pil | 10.0 | day Phone | 15,248 19.60 TPA2 16,220 19,70 OLRSA | Pontaios, Funces Podebeady, Coschoslevakia | 12.0 26.0 | Broadcast Broadcast |
| 21,140 14.19 KBI 21,080 14.22 PSA 31,060 14.25 WKA 21,060 14.25 KWN 21,000 14.27 LON6 | Manila, P. I. Marapheu, Brasil Laweeneeville, N. J. Discos, Calif. Biuriaughaus, Argentina Marapheu, Brasil Marapheu Loopoldwille, Bligha Congo Nasen, Germany Loopoldwille, Bligha Congo Nasen, Germany | 10.0 | Phone; brendcast Phone to England | 25,220 19.71 PCJ 15.210 19.73 WXXK | Huisen, Holland Metaborah, Pa. | 20\0 40.0 | Experimental Bo.; relays KDKA Broadcast |
| 21,060 14.25 KWN | Diron, Calif. | 20.0 | Phone Phone to New York; day | 15,200 19.74 DJB | Zoesen, Germany Heachese China | 5-50 2.0 | Broadcast. |
| 21,000 14.27 LBN 6 20,910 14.35 .PSB | Muringham, Argentina Marapieu, Brazil | 10.0 | Phone | 15,120 19.76 Q8O | Darentzy, Beginne | 15.0 | Broadcast Broadcast |
| 20,910 14.35.PSB 20,860 14.37 EHY 20,820 14.41 KSS | Madrid, Spain Bolinas, Calif. | 40.0 | Phone to Buenes Aires Phone | ILIO 18.70 OLEGO | Pedebendy, Cascheslovakia | 25.0 | Broadcast Broadcast |
| 29,780 14.44 KMM 20,146 14.90 DWG 20,046 14.97 OPL 20,020 14.99 DFZ | Bolinas, Calif. Nauen, Germany | 40.0 | Phone Phone | 15,140 19.84 G6F | Daventer, Bucland | 15.0 | Brondenst |
| 20,049 14.97 OPL | Leopoldville, Balgian Congo | 9.0 | Phone to ORG: mernings Phone to South America Phone to Calif. Phone to Calif. Phone to Latin America Phone to Latin America | 15,123 '19.84 MYJ 16,110 19.85 DJL | Vations City Zonom, Germany | 5-30 | Broadcast Broadcast |
| 19,980 18.02 KAX | Manila, P. I. | 20.0 20.0 | Phone to Calif. | 15,070 19.91 PED 15,086 19.98 WNC 15,040 19.95 RESI 15,000 29.0 WWV | Marapion, Brazil Historia, Florida | 13.0 0.4 | Phone Phone |
| 19,720 15.21 EAQ | Madrid, Spain | 10 0 | Phone to Letin America | 15,040 19.95 RJKI 15,000 29.0 WWV | Massow, U.S.S.R. Relamille Md | 29.0 | Phone to WQG, mornings Free, standard: Tue., Wed., |
| 19,800 15.02 KAX 19,800 15.02 KAX 19,800 15.14 WKN 19,720 15.21 EAQ 16,700 15.28 DFJ 19,600 15.26 SUY | Leopoldville, Brigian Congo Naues, Germany Manila, P. I. Lawrenceville, N. J. Madrid, Spain Naues, Germany Abusabai, Egypt Monte Grande, Argentins Rome, Italy | 0.1 | Phone | 14,000 20.0 WHT | Son Salvador, El Salvador | | Phone to WQG, mornings Pres, standard; Tue. Wed., FG., 2-3 p.m. E. S. T. Phones Mexican stations |
| 18,000 13.26 Seri 9,600 15.31 LSF 19,520 15.37 IRW 19,400 15.42 DFM 19,345 15.51 PMA 19,345 15.51 PMA 19,320 15.58 PPU 19,320 15.61 WKF | Monte Grande, Argentins Rome, Italy Nauen, Germany | 7.0 20 0 | Phone to South America | 14 905 YSL 14 900 20.00 KAY 14,970 20.04 LZA 14,900 20.06 YSL 14,915 20.09 PSE 14,910 20.12 JVG | Manile, P. I. Sofia, Bulgaria Son Solvador, El Salvador Marupieu, Brazil Nasaki, Japan | 40.0 | Phone to Dixon Broadcast |
| 19,460 15.42 DFM | Nauen, Germany Bendeson Java, D. E. I. | 40.0 | Phone Phone; sometimes bc. | 14,900 20.04 TSL | Son Solvador, El Salvador | | Phone |
| 19,260 15.58 PPU | Sepetiba, Brazil | - 12 0 | Phone Phone | 14,935 20.09 PRE 14,910 20.12 JVG | Marapieu, Brasti Nasaki, Japan | 10.0 | Phone; broadcast Phone to Formoss; broad- |
| 19,200 15.62 ORG 19,140 15.68 LSM3 | Nauen, Germany Bandoseg, Java, D. E. I. Sepetibe, Brasil Lawrenceville, N. J. Ruyssetede, Belgium Murlingham, Argentina | 20.0 8.0 60.00 | V94 | 14 600 20 42 PSF | Maraniau, Brazil | | cast Phone; broadcast |
| | Meringula, Argentina | | Phone to Madrid, Berlin, Paris; day Phone; cometimes be. | 14,600 20.56 JVH 14,500 20.56 WMN 14,535 20.64 HBJ | Marspiqu, Brazil Nasalė, Japan Lawrenceville, N. J. Prangins, Switzerland Eurlingham, Argentina | 20.0 20.0 | Phone; broadcast Phone |
| 19,060 15.75 JVC 19,020 15.77 HS8PJ | Nazaki, Japan Bangkek, Siam | 20 0 | Breadoast | 14,585 20.64 HBJ | Prangins, Switzerland | 20.0 | Phone to New York; mora- |
| 19,060 15.75 JVC 19,020 15.77 HS8PJ 18,910 15.86 JVA 18,000 15.98 ZSS 18,060 15.91 WKM 18,830 15.93 PLK | Nasaki, Japan Bangkok, Suam Nasaki, Japan Klipheuvel, S. Africa Rocky Point, N. Y. Bandoeng, Java, D. E. I. Lima, Peru | 5.0 | Bresdoast Phone to Europe; cec. be. Phone to Rugby | 14,539 20.65 LSN1 | | 60.0 | eve. |
| 18,060 18.91 WKM | Rocky Point, N. Y. Bandoene, Java. D. E. I. | 40.0 | Phone to Dixon and Nasaki | 14,500 20.69 LSM2 | Hurlingham, Argentina | | Phone to Madrid, Bertin, Paris; morn., eve. Phone to WNG |
| 18,670 16.08 OCI | Lima, Peru | 15.0 | Phone Phone to WM1, VWY | 14,600 30,72 YEA 14,400 30,75 DSH 14,440 30,75 DSH 13,300 21,44 VPD2 13,300 21,44 VPD2 13,300 91,70 SD1CH 13,700 91,70 SD1CH 13,700 81,80 TXD2 14,800 12,80 STXD2 14,800 12,80 STXD2 11,800 12,80 SDB 13,800 32,70 JVI | Managua, Hicarngua Name, Germany Rughy, England Sava, Ful Islands Abu Zabal, Cairo, Egypt China Recypt | • | Phone to WNG Phone Phone |
| 18,670 16.08 OCI 18,620 16.11 GAU 18,600 16.13 PDM | Lima, Peru Hugby, England Kootwijk, Heiland Kootwijk, Heiland Kootwijk, Heiland Kootwijk, Heiland Kootwijk, Heiland Kootwijk, Heiland Lawrenceville, N. J. Saigea, French Indo-China Adeis Ababa, Ethiopia Nasali, Japan Sepotiba, Brazil | 40.0 40.0 | Phone Phone | 14,440 30,78 GBW | Rughy, Ragiand Saya, Ful Islands | 15.0 | Phone Experimental |
| | Prangina, Switse land | 20.0 40.0 | Phone | 13,820 21,79 SUE | Abu Zubal, Caire, Egypt | 20.0 | Phone house becades at |
| 18,405 16.30 PCK 18,340 16,36 WLA | Keetwijk, Helland Lawrenceville, N. J. | 26.0 | Phone to Bandeeng Phone to GAS | 13.811 21.78 SULI | Abe Sabal, Egypt | 8.0 | Phone Phone to U. S. A. |
| 18,310 16.38 FZS 18,370 16.42 IUD | Saigen, French Indo-China Addis Ababa, Ethicpia | 15.0 | Phone to France Phone | 18,000 21.91 KES | Belinae, Calif. | 40.0 20.0 | Phone Phone to U. S. A. Phone to Japan, Java: Broadcast |
| 18,190 16.40 JVB | Nazolii, Japan Senetha, Brazil | 10.8 | Phone to Java; R. I.; bc. | 11,000 22.00 | Kemkawa-Cho, Japan | 15.0 | Experimental; bc. |
| 11.400 16.25 P.C.H. 11.405 16.30 P.C.K. 11.405 16.30 P.C.K. 11.407 16.35 P.Z.K. 11.407 16.42 P.C.H. 11.407 16.42 P.C.H. 11.408 16.35 P.Z.C. 11.409 16.37 P.Z.C. 11.409 16.37 P.Z.C. 11.409 16.37 P.Z.C. 11.409 P.Z.C. 11.409 16.30 P.Z.C. 11.409 1 | Sepetiba, Brazil Bandeeng, Java Pontoba, France | 40.0 12.0 | Phone : sometimes bc. Phone to U.S. A. | | Aba Zasal, Carri, Egypt Chive, Egypt Abe Raled, Egypt Postnice, Franco Belimes, Chilf. Waragew, Poland Kemikarto-Cho, Japan Regisky, Enghand Nesaki, Japan | 10.0 | Phone to Manchukuo; alea |
| 18,040 16.63 KQR | Bolinas, Calif. Bolinas, Calif. Bolinas, Calif. | 40.0 | Phone Transpacific phone | 13,337 22.47 YVQ 13,380 22.76 13,386 22.85 CGA3 13,396 22.66 KBJ 13,716 22.21 FNSK 13,160 22.35 CWH 13,060 23.64 JZE 12,765 23.44 LAC 13,885 28.25 NPG | Marpony, Veneruela Belitich, Ships Drumenond ville, Canada Mahlia, P. I. S.S. Normando Carries, Bruguay Italiam Ships Nasaki, Japan Caltana, Hady | 20.0 | be. Phone |
| 17,980 16.69 KQZ | Bolinas, Calif. | 40.0 | Phone | 13,330 23.76 13 966 22 53 CELAS | Beltish Ships Drummondville, Canada | 15.0 | Phone Phone to ships |
| 17,940 16.72 WQB- W2XBJ | Rocky Point, N. Y. Rocky Point, N. Y. Daventry, England Nanaki, Japan | 40.0 | Phone | 13,360 21.66 KBJ | Manila, P. I. | 40.0 | Phone Phone |
| 17,920 16.74 WQF 17,790 16.86 GSG | Rocky Point, N. Y. Daventry, England | 40.0 15.0 | Phone Breadcast | 11,140 21.83 CWH | Carrito, Uruguay | 1.5 | Phone |
| 17,785 16.87 JZL | Nasaki, Japan Pittabureh, Pa. | 40.0 | Broadcast Bc.; relays KDKA | 13,000 23.04 JZE | Nasaki, Japan | 10.0 | Phone Phone to ships Phone |
| 17,780 16,87 W8XK 17,780 16,87 W3XAL 17,780 16,87 W9XAA | Bround Breck, N. J. | 15.0 | Broadcast; telays KDKA Broadcast; telays WJZ Experimental | 12,785 22.44 LAC 13,885 28.28 NPG | Coltano, Italy San Francisco | 52.0 | Time signals; 4:55-5:00 p.m. E. S. T. |
| 17,775 16.88 PHI | Huizen, Holland | 0.5 23.6 | Broadcast Bc., relays WABC Broadcast | 12.880 23.38 CNR | Rabat, Merocee | | Phone to Prance |
| 17,775 16.88 PHI 17,760 16.89 W2XE 17,760 16.89 DJE | Daventy, England Nasaki, Japan Pittaburgh, Pa. Pittaburgh, Pa. Chicage, Illinois Huizea, Helland Wayne, N. Huizea, Helland Wayne, N. Hengkong, China Coltano, Italy Bangkok, Sam Britah Ships Nauea, Germany Kirkee, India Bound Boot, N. J. Norddeish, Germany Arlington, Virginia | 5-50 2.0 | Broadcast Broadcast | 12,680 23.35 CNR 12,680 23.65 YNE 12,630 23.75 NAA | Rabat, Merocee Puerto Cabessa, Nicaragua Azlington, Va. | 6.1 | Phone Time signals: 9:55-10:00 a. m. E. S. T. |
| 17,755 16.90 ZBW5 17,750 16.90 IAC | Coltano, Italy | 14.0 | Phone; early meraings Phone to JVG | | | 15.0 | Phone |
| 17,740 16.91 HSP 17,640 17.00 | British Ships | | | 12,290 24.41 GBU 12,260 24.49 TYB 12,236 24.62 TFJ | Rugby, England Ponteise, France Reykjavík, Issland | | |
| 17,520 17.12 DFB 17,480 17.16 VWY2 | Nauen, Germany Kirkee, India | .,,,,,,,, | Phone to YVR Phone to Bagby Experimental | 12,315 24.56 TVA | Ponteise, Prance Rugby, England Zonsen, Germany Koetwijk, Holland | 15.0 15.0 | Phone Phone to U. S. A. |
| 17,310 17.33 W3XL 17,265 17.37 DAF 17,180 17.51 HASS | Bound Brook, N. J. Norddeisk, Germany | 20 0 | Experimental Phone | 12,130 24.00 GBS 12,130 34.73 DZB | Zonsen, Germany | 60.0 | Phone |
| 17,860 17.51 HASS 16,820 17.84 NAA | Saskesfehervar, Hungary Arlington, Virginia | 20.0 | Experimental Phone Broadcast Time signals; 9:55-10:00 a.m. E. S. T. Phone | 12,216 24.56 TVA 12,216 24.56 TVA 12,150 24.66 GBS 12,130 34.72 DZB 12,000 24.86 PDV 17,020 24.86 VTY- VKSME | Footwar, nonend | | Tests with Drummondville |
| 10.005 10.00 | German Shins | | a.m. E. S. T. Phone | 12,000 25.00 RV59 | Messow, U.S.S.R. | 20:0 | Be, and phone |
| 16,305 18.40 PCL | Kootwijk, Holland | | | 11,955 25.09 IUC 11,950 25.11 KKQ | Addie Ababa, Ethlopia Bolinas, Calif. | 3.5 | Phone Phone |
| 16,305 18.40 PCL 16,270 18.44 WLK 16,240 18.47 KTO | German Ships Kootwijk, Holland Lawrenceville, N. J. Manila, P. I. Rome, Italy Kabuku, Hawaii Bandoong, Java Ste, Assisa, France | 20.0 40.0 | | 12,000 25,00 RV56 11,955 25,09 IUC 11,960 25,11 KKQ 11,960 25,21 XEW! 11,960 25,21 XEW! 11,960 25,21 QLR4D 11,995 25,22 QLR4D 11,995 25,22 QLR4D 11,995 25,22 XEXR 11,895 25,22 XEXR 11,890 25,25 XEXA 11,880 25,25 XFXA 11,880 25,25 TPA3 11,880 25,25 TPA3 11,880 25,25 TPA3 11,880 25,25 TPA3 11,880 25,25 TPA3 | Melbourne, Australia Messew, U.S. S. R. Addis Ababa, Ethiopia Bolinss, Catif., Mexico Parade, Pertugal Podebrady, Costboolevakir Aquadules, Pranama Mexico, D. P., Mexico Mexico, D. F., Mexico Pandoise, France Chicare, Ulinois | 0.35 | Broadcast Broadcast |
| 14,120 16.01 11C1 | Kahuku, Hawaii | 20.0 40.0 40.0 | Phone to KWO | 11,900 26.21 OLR4D | Podebrady, Caseboslevakis Assadules, Panama | 25.0 0.05 | Broadcast |
| 15,985 18.77 KQH 15,980 18.81 PLG 15,880 18.89 FTK 15,885 18.91 CEC 15,860 18.90 JVD 15,810 18.97 LSL3 | Rahuku, Hawaii Bandoeng, Java | 30 0 | Phone: afterneous | 11,895 25.22 XEXR | Mexico, D. F., Mexico | 0.1 | Dans dans |
| 15,880 18.89 FTK 16.865 18.91 CEC | Ste. Ausise, France La Granja, Chile Nazaki, Japan | 30 0 0.5 | Dhann | 11,880 25.25 TPA3 | Pontoise, France | | . Broadcast |
| 16.860 18.90 JVD | Nasaki, Japan Hurlingham, Argentina | 60.0 | Phone to Shanghai Phone to London, Rio; morn. | 11,880 25.25 W9.AF 11,876 25.26 OLR4C | Chicago, Illinois Podebrady, Caechoslovakia | 25.0 | |
| | | 10 0 | and eve. Phone to Nataki | 11,870 25.27 W8XK 11,860 26.29 YDB | Pitasburgh, Pa. Soerabaja, Java, D. E. I. | 40.0 1.0 | Bc.; relays KDKA Broadcast |
| 13,750 19.05 JlA 15,680 19.13 JZA 15,660 19.16 JVE | Tyureki, Formosa Kanjoshi, Manchukuo Nasaki, Japan | 20.0 | Phone to Nazaki Phone to PLE, P. I.; occ. bc. | 11,850 25.25 WWAT 11,876 25.26 OLR4C 11,876 25.27 W&XK 11,860 26.29 YDB 11,860 25.30 GSE 11,855 25.31 DJP | Chicago, Illinoss Podebrady, Caechoslovakis Pitasburgh, Pa. Soerahaja, Java, D. E. I. Daventry, England Zeesen, Germany | 20.0 5-50 | Broadcast Broadcast |
| 15,050 19.16 JVE | NASSEL, Japan | 10.0 | 2 MONE TO 1 M.C., F. 1., OCC. DC. | | | | |
| | | | | | | | |

| Ke. Meters Cal 11,840 25,34 OLR4A | I Location Podebrady, Csechosloval | Kw. | | Kc. Meters Ca | | Kw. | |
|--|--|-----------------|---|---|---|------------------|--|
| 11.830 25.36 W2XE 11.830 25.36 W9XA | New York, N. Y. | 10.0 | Breadcast Bc.; relays.WABC | 9,520 31.51 XEME 9,520 31.51 HJ4AB 9,610 31.55 GSB | Merida, Yusatan, Mexico H. Armenia, Colombia | 0 0 | le Be.; relaye XEFC Be.; relaye HJ4ABN |
| 11,830 25.36 XEBR 11,820 25.38 GSN | Chicago, Illinois Hermoulle, Sesora, Men Davestry, England Toroute, Canada Rome, Italy Ica, Peru Austria, Vienna Nasaki, Japan Zesses, Germany Boston, Mass. Zessen, Germany | 0.5 | Be.; relays WCPL Bc.; relays XEBH | 9,510 31,58 HJU | Buena wentura Colombia | 20 e | Broadcast |
| 11,810 25.40 CRCX | Toronte, Canada Rome, Italy | 0.5 | Breadeast | 9,510 31.58 VK3M) 9,504 31.57 OLR3B 9,500 31.58 PRF5 | Melbourne, Australia Podebrady Casebadanaki | | D d |
| 11,804 25.42 OAX5A | Ica, Peru | 23.0 | . Breedeast | 9.600 31.58 HJIABI | E Cartagena Colombia | 0.06 | . Brondenst |
| 11.795 25.42 JZJ | Nasaki, Japan Zeesen, Germany | 5.50 | . Brondeast Experimental | 9,496 \$1.60 XEFT 9,490 \$1.41 KEJ 9,496 \$1.41 WEF | Vernerus Ver Marine | .02 20 0 | Brondeast Phone Phone |
| 11,790 25.45 WIXAI | Boston, Mass. Zeesen, Germany | 5.0 5-60 | Breedeast- Breedeast | 9,490 21.65 XEDQ | Belinez, Calif. Rechy Point, M. Y. Gundalajara, Jaliece, | 40 0 | |
| 11,760 25.51 OLR4B 11,750 25.53 GRD | Pedebrady, Czechesleval | 25.0 20.0 | Brendenst. Brandenst | 9,400 \$1.66 KET 9,450 \$1.78 TGWA | Belines Cult | 0 5 40 0 | Bc.; relays XED Phone |
| 11,740 25.55 HP5L 11,730 25.57 PHI 11,730 25.57 CJRX | Huisen Helland | 9.35 | Breadcast Seedcast; winter months | 9,441 \$1.78 HC2EB | Guntemala City., Guntemala City., Guntemala Gunyaquil, Ecuador | 0.2 | Experimental |
| 11,720 25.60 TPA4 | Winnipeg, Man., Canada Pontoise, France Lourenzo Marques, | 2.6 13.0 | Bo.; relaps C/RC Breedeast | 9,436 31.82 GOCH 8,436 31.83 NAA | Havana, Geba Arlington, Va. | 10 0 | Breadcast |
| 11,718 25.60 CR7BH | Lourenzo Marques, Mozamboque | 0.88 | Breadeast | 9.415 31.86 PLV | | | . Time signals; see article : time signals |
| 11,705 25.63 SM&SX 11,680 25.68 KIO 11,670 25.71 PPQ | Mozamboque Stockholm, Sweden Kabuke, Hawali Sepetibe, Brasit Nazaki, Japan | 40.0 | . Brendomt Phone to Bolland | 9,300 32.06 | Bandeeng, Java, D. E. I. Fort de France, Martinique F. W. I. | 80 U | Phone; sometimes bc. |
| 11,660 25.73 JVL 11,595 25.88 VRR4 | Nazaki, Japan | 5.0 30.0 | Phone to Fermen; ht. Phone to Malesh, Fla. | 9,350 32.00 E36PJ 9,530 32.56 OAX4 9,800 32.26 YNGT 8,220 32.54 YNE | | | . Breadcast |
| 11,540 26.00 XGR 11,495 26.10 VIZ-3 | Stony Hill, Jamaica Shanghai, China Fiskville, Australia | 20 0 | Pittes | 9,800 38.26 YNG T 8,220 32.54 YNE | Dangtok, Jiang Lime, Puro Managua, Nicaragua Puorto Cabezsa, Nicaragua Sudiradaberrar, Hungary Kirkus, India | 0.1 | Breadcast Phone |
| 11,435 26.24 COCX 11,430 26.25 YNE | Havana, Cuba Puerte Cabessa, Nigaraga | 1.0 | Phone to Dommondville Be.; rulaye CMX | 9.046 23 17 VWV | Suckenfaberrar, Hungary Kirkes, India Pontoise, France | 20.0 | Broadeast Phone to England: morning Phone to Algeria |
| 11,385 26.35 HBO 11,340 26.46 DAF | Proprint Switzerland | 26.0 | Breadcast | 9,040 83.10 TYA2 8,900 83.48 FVA | Pontoue, France | 15.0 | Phone to Algeria |
| 11,280 26.56 HIN 11,140 26.93 | Norddeich, Germany Trujille, D. R. German Shipe | | | 8,648 33.58 HCJB 8,680 33.96 | Quite, Equader British Brips, French Ships | 0.5 | Broadeast Phone |
| 11,040 27.17 HRW- HRY | | | Phone | 8,785 S4.11 HEV 8,778 84.18 PNI | Bogota, Celembia Makassar, Celebes, D. E. I Manila, P. I. | 3.0 | Breadoast Phone: nos. he. |
| 11,040 27.17 CSW 11,000 27.27 ZLT4 | La Ceiba, Henduras Liston, Pertugal Wellington, New Zealand | 9.1 5.0 | Phone Brondenst | 8,710 34.44 KBB 8,710 34.40 VPD2 | | | |
| 11,000 27.27 PLP 10.955 27.38 HSG2 | Bandseng, Java Bangkuk, Stam | 3.0 | Breedenst Phone; noc. bc. Phone; bc. Phone Phone to Hawaii | 8,665 \$4.62 COSJQ 8,506 \$5.27 YNLG | Camquey, Cuba Mamqua, Nicaragua Gwman Shipe Norddeich Germany Chayaquil, Soundor | 0.20 | Broadcast Broadcast Broadcast |
| 10,850 27.65 DFL 30,840 27.68 KWV | Nauen, Germany Dixon, Cahif. Rugby, Esigland | ****** | Phone to Bloom | 8,479 85.42 8,765 84.23 DAF | Owman Shipe Norddeich Germany | | Phone Phone to shipe |
| 10,770 27.86 GCP 10,740 27.93 JVM | Rugby, England Namaki, Japan | | Phone to Hawaii Phone Phone to U. S. A.; occ. be.; | 8,400 35.71 EC2CW 8,300 36.16 ZP10 8,300 36.19 ERW- | Guayaquil, Ecuador Asuncion, Paraguay | 0 015 | Broadcast Broadcast |
| 10,670 28.12 CEC | La Grania, Chila | 90.0 | relays JOAK Phone | | La Ceiba, Honduras | | |
| 79,660 28.14 JVN 18,620 28.25 WEF | Nazaki, Japan Rocky Point, N. Y. Rocky Point, N. Y. | 38.0 40.0 | Be.; relays JOAK Phone to Burge | 8,188 86.65 PSK 8,190 36.95 RAZ 8,695 87.34 CNR 8,086 87.34 CED 7,801 87.96 LRU: | Marapieu, Brazil Manila, P. I. Rabat, Morneco | 20.0 | Phone bc. Phone to Dixon, Calif. |
| 10,610 28.28 WEA 10,578 28.36 FYB | Recky Point, N. Y. Paris, France | 40.0 | | NOS 3734 CED | Autofagasta, Chile | 0.6 | Phone |
| 10,535 28.48 JTB | Trucchi Forman | | E.S.T. Plum to Jose | 2,000 MLSF JYR 7,000 MLSF UP STOY | Antoh, Morecco Antohagana, Argantina Kemikawa-Cho, Japan Abu Zabal, Egypt Cunyaquil, Ecuador Koowaik, Helland | 60 0 5 0 | Phone to Rio; night Broadcast |
| 10,430 28.76 TYES 10,430 28.76 YBG 10,420 28.79 XGW | Ponteine, France Medan, Sumatra, D. E. I. | 13.0 | Phone to U.S. A. | 7,854 38.30 BC3J88 | Gusyaquil, Ecuador | 0.5 | Phone Broadcast |
| 10.410 28.82 KES | Shanghai, China Bolinas, Calif. Monte Grande, Argentina | 20.0 | Phone Phone Phone | 7,800 St.41 YNB | Panrie Cabasa, Micaragua | | Phone Phone |
| 10,410 28.82 L8Y 10,410 28.82 PDK | Monte Grande, Argentina Hootwilk, Helland | 10.0 | Photo | 7,240 28.76 CEC 7,620 29.33 JUB | LaGrania, Chile | 0.5 | Broadcast Phone |
| 10,400 28.85 KP2 10,375 28.92 JVO | Heotwilk, Helland Dison, Callf. Namki, Japan Tenerile, Casary Islands | 40.0 10.0 | Phone Phone to Manchuleus; he, | 7301 37-2 CSD 7301 38-89 JRI 7400 38-89 JRI 7400 38-31 PCAS 7400 38-31 PCAS 7400 38-31 PCAS 7400 38-31 PCAS 7400 38-31 PILP 7400 38-31 VILP 7400 38-31 VILP 7400 38-31 VILP 7400 38-31 VILP 7400 38-35 JVP 2401 48-45 WRSI 2400 48-45 | Prangina, Switzerland LaGranja, Chile Addis Ababa, Bibiopia Managua, Niosragua Puntaranae, Costa Rica | 0.12 | Brondonst Brondonst |
| 10,370 28.93 EAJ43 10,330 28.98 BAJ33 10,350 28.98 LSX | Tenerale, Cheary Islands Catamasa, Spein | | Phone to Manchuleus; bc. Brandonst Brandonst | 7,820 39.87 KKH 7,510 20.85 JVP | Kabubu, Hawaii Namiki, Japan | 90 0 | Phone Bc.; phone |
| 10,335 29.03 ZFD 10,386 29.03 ORK | Carsmon, Spein Monte Grande, Angentina St. George, Borthoth Ruymolede, Belgiann Suputiba, Brazil | 12.0 1.5 | Phone; also he. Phone; storify telescock | 7,470 48.84 JVQ 7,475 49,45 WEG | Nasaki, Japan Racky Print, N. V. | 10.0 | Phone to Java |
| 10,310 29.10 PPM 30,300 29.13 1,31,3 | Ruymolode, Belginia Sepetibe, Brasil | 111.0 20.0 | Breadoast Phone | 7,870 40.71 KEQ 7,880 48.65 XECR | Kabulm, Havari Munica, D. F., Monica | 40.0 | Phone Broadcast |
| 10 200 20 16 DZT | Squitten, Argentina Scince, Gurmany Bandveng, Java, B. B. I. Burlingham, Argentina | 3.0 | Phone to London, Rio; might | 2816 41.01 YHLAT | Naming Japan Namit, Japan Rocky Peint, N. Y. Kabuhu, Hamii Messa, D. F., Menice Granada, Mearagun Adelede, Australia Rashada, Australia | | Brondcast Experimental |
| 10,260 29.84 PMN 10,260 29.27 LBK3 | Burlingham, Argentina | 0.0 | Phone; see, bn. Phone to Madrid, Berlin, Parier wiek: | 7,781 41.20 8M58D 7,738 41.65 ECN1 | Stockholm, Sweden Bercelons, Spain | | |
| 10,220 29.33 CED 10,230 20.35 PEH | Antofagasta, Chille | 0.4 | Parin; night Plannt; be. Plann; be. Plann | 7,200 HLGT THAM 7,310 HLGT EARAR 1,200 GLGZ 7,117 HLSO CRIAA | Barcelona, Spain Managua, Nicaragua Santa Orus, Tenerife, C. I. San Schuttlan, Spain Labita, Aparia | | Bo.; amateur Brendcast |
| 16,170 99.48 RIQ | Marapion, Brazil Baku, U.A.B.R. | - N. A. | Phone to COL | Till ties CRIAA | | | |
| 10,000 29.76 RIR | Baku, U.Aga.R. Leopaldville, Belgian Cong Tilla, U.S.S.R. Madrid, Spuin Kanjoshi, Manchakus St. George, Bermuda Abu Zobal, Egypt | 4.0 | Phone to CRK Phone to EPQ, RNE Departmental | 7,165 41.67 | Valencia, Spain | 0.5 | Bc.; C. W., phone Broadcast Broadcast |
| 10,065 29.81 TDE | Kamoshi, Maashukus St. George, Barmuda | 20.0 | Phone to JVO | 7,165 41.57 7,800 42.25 FÓSAA 7,082 42.36 FZIJ 7,020 42.73 EOF1 | | | |
| 10,045 20.84 SUV 10,042 29.87 DZB | | 20.0 | Phone to Germany, England Phone | 7.000 42.86 EA9AH | Barcelena, Spain Tetum, Sp. Morocco Paramaribo, Dutch Guiana Onito, Roundor | ****** | Broadcast Broadcast |
| 10,000 30.00 WWV 9,990 30.03 KAZ | Manila, P. I. | * - ** ** ** | Standard frequency Phone | 4970 43.04 HCETC | Quito, Ecuador | 0 03 | Brondenst Brondenst |
| 9,949 30.18 CSW 9,890 30.32 LSN2 | Liebon, Pertugal Hurlingham, Argentian | 60.0 | Broadcast Phone to New York: nights | 6,800 43.48 HI2D 6,800 43.71 KEL | Cintled, Truelle Belines Calif | 0.1 | Breadcast Phone |
| 9,860 30.43 EAQ 9,840 30.49 JYS 9,740 30.80 COCQ | Madrid, Spain Kemikawa-Cho, Japan | 20.0 | Breadeast Be., tests Be.; relays CMQ | 6,848 43.81 XGOX 6,806 44.07 HITP | Nunking China Truille D. R | 0 025 | Broadcast Broadcast |
| 9.675 31.01 DZA | Hurlingham, Argentiaa Madrid, Spain Kemikawa-Cho, Japan Havana, Cuba Zossen, Germany Handia C. B. | | Phone | 7,000 42.88 PZH 4,070 42.04 HCEPTC 4,000 42.10 VKRSC 0,000 43.48 H12D 0,000 43.78 KEL 4,000 40.01 KEL 4,000 40.01 KEL 4,700 40.01 H17P 4,700 40.01 H17P 4,700 40.01 H10C 4,718 40.01 KER 4,718 40.21 KEF | Pasamarbo, Dutch Guiana Quisa, Ecuador Port Hediand, Australia Candad, Truille Belinas, Calif. Numking, Chian Truille, D. R. Saa Padro de Maceria, D. R. Namki, Japan | 0.15 20.0 | Broadcast Phone to U. S. A.; be, |
| 9,670 31.02 TI4NRH 9,665 31.04 CTIAA 9,660 31.06 PSJ | Liebon Portugal | 2 4 | lirondost | 6,730 44.48 HINC 6,718-44.66 KBK | La Romana, D. R. Manila, P. I. | 0.25 40 0 | Brondcast Phone |
| 9,860 31.06 LRX | Marapieu, Brazil Buenco Aires, Argentina | 5.0 | Phone Be.; mlars ER1 | 6.687 44.86 TIEP | Bolines Calif. | 40 0 | Phone |
| 9,635 31.14 12ROS 9,618 31.18 HJIABP | Port-au-Prince, Haiti Rome, Italy Cartagona Calembia | 20.0 | Breadcart | 6,635 44.96 TVQ 6,635 46.22 HCTRL | | 10-0 1 0.15 1 | Phone Broadcast |
| 9,610 31.22 YDB | Rome, Italy Cartagena, Colembia Boerabaja, Java, D. E. L. Panama, Panama | 10 | Brondeast Be.; relays YDA Brondeast | 6,630 45.25 HIT 6,620 45.33 PRADO | Trusile, D. R. | 0.2 I | Broadcast Bc.; Thursdaye |
| 9,600 31.25 CQN 9,600 31.25 CB960 9,600 31.25 CB960 9,600 31.25 RAN 9,507 31.26 VK6ME 9,506 31.27 HBL | | 0.1 | Brondcast | 6,600 45.25 HIT 6,620 48.13 PRADO 6,578 46.00 HCVT 6,665 45.76 HI4D 6,665 45.30 TIRCC 6,645 45.84 TV6RB 6,646 45.87 TN1GG 9,530 66.01 TV4RB 6,530 66.01 TV4RB | Ambato, Eccador . | | Brondenst Brondenst |
| 9,600 31.25 RAN 9,507 31.26 VK6ME | Santiago, Chile Moscow, U.S.S.R. Perth, Australia | | Breadeast | 6,545 45.84 | San Jose, Costa Rica Tesuza, Morecce Cludad Bolivar, Venezuela Managua, Nicaragua Valencia, Venezuela | 0.2 | Broadcast Broadcast |
| 9,595 31.27 HBL 9,590 31.28 PCJ | Prangine, Switserland Huisen, Halland | 20.0 | Breedeest Experimental Exp. : breedeest | 6,549 45.87 YNIOG | Managua, Nicaragua | 0.25 | Broadcast Broadcast |
| 9,590 31.28 PCJ 9,590 31.28 W3XAU 9,590 31.28 VK2ME | Monoov, U.S.S.R. Perth, Australian Prangina, Switzerland Haisea, Belland Philadelphia, P.a. Lyndhurt, Vic., Australia Davestry, Ragiand Cuesta, Cacombia Millia, Mass | 10 6 | e.; neleye WCAU | done man man | | | |
| 9,580 31.31 VK3LR 9,580 31.31 GSC | Lyndhurst, Vie., Australia Davestry, Bastand | 20 0 | Brondenst | 6,500 46.15 HIL | La Caiba, Honduras Trajillo, D. R. | 0 05 F | Phone Broadcast |
| 9,575 31.34 HJ2ABC 9,570 31.35 W1XK | Cucuta, Cetombia Millin, Mass. | 0.26 | Breedcast Bc.: relays WBZ WBZA | 6,500 46.15 EIL 6,500 46.15 YVIRM 6,670 46.31 H18A 6,677 46.33 H14V 6,425 46.57 GAX4K | Trujille, D. R. | A 405 F | Broadcast |
| 9,565 31.36 HP58 9,565 31.36 VUB 9,560 31,38 DJA 9,569 31,38 HJJABB | Bembay, India | 0.t B | rendenst | 6,425 46.67 GAX4K | Trupille, D. R. Jaima, Peru | 0 025 | prondent Prondent |
| 9,560 31,38 DJA 9,569 31,38 HJIABB | Zeesen, Germany Barranguilla, Colombia | 5-60 E | Prondenst Prondenst | 6,429 46.73 HIIS 6.440 46.90 TIPG | Santiago, D. R. | 0 02 | an perimental Broadcast |
| 9,551 31.41 HH2Y 9,550 31.41 OLR3A | Port-au-Prince, Botto Podebrady, Csechadovakia | 0 03 E | Brondcast Frondcast | 6,400 46.88 YVSRH 6,380 47.02 YVSRF | hima, Peru Bound Brook, N. J. Santiago, D. R. San Jose, Costa Rica Caracas, Venesuela Caracas, Venesuela | 0.25 | orvedent Breadcast Broadcast |
| 9,540 31.47 LKJ1 9,540 31.47 D5N 9,535 31 46 JZ1 | Jeloy, Norway Zeesen, Germany | 1 0 E 5-50 E | Scondonst Scondonst | 6,375 47.10 HRW- | La Ceiba, Honduras | 0.1 E | |
| 9,535 31 46 JZI 9,530 31.48 W2XAF | Nazaki, Japan Schenectady, N. Y. Hong-Kong, China | 40 0 B | Broadcast ic.; relays WGYf ic.; relays ZBW | 6,365 47.14 YV1RH | Maracaibo, Venesuela San Jose, Gosta Rica | B | rnone lc.; relays YV1RF Brondcast |
| 9.525 31 49 ZBW3 | Hong-Kong, China | 2.0 E | ic.; relaya ZBW | 6350 47.24 YNH6 | Boom, Nicaragua | 01 1 | bone |

| Kc. Meters Call | Location | Kw. | Service, etc. | Kc. Metera Call | Location | ¥ | Service, etc. |
|---|--|------------|--|---|--|--------------|---|
| 6,350 47.24 YNJ5 | Wasnonk, Nicarasua | 0.1 | Phone | 6.025 49.79 FLJ1ABJ | Senta Marta Colombia | | Broadeast |
| 6,350 47.24 YNJ7 | Waspook, Nicaragua Wapam, Nicaragua San Pedro Sula, Honduras Puerto Cabeass, Nicaragua | 0.1 | Phone | 6,020 49.83 DJC | Sasta Marta, Colombia, Zeossa, Germany Veracrus, Ver., Mexico Mexico, D. F., Mexico | 5-50 | Broadcast |
| 6,357 47.20 HRP1 6,340 47.32 YNE | San Pedro Sula, Honduras Puerto Cubesas Nicecurus | 0.075 | Broadcast Phone | 6,020 49.83 XEUW 6,015 49.88 XEWI 6,012 49.90 HJ3ABH | Vernerus, Ver., Mexico | 0.25 | Broadcast Broadcast |
| 6.340 47.39 HIY | Trujillo, D. R. | 10.0 | Brondeast | 6,012 40.90 HJ3ABH | Bogota, Colombia | 1.2 | Brondcast |
| 6,330 47,39 JZG | Namki, Japan | 10.0 | Phone to skips Broadcast | 6,010 49.92 VP3MR | Georgetown, British Guiana | 0.25 | Amateur; be. Broadcast |
| 6.336 47.39 JZG 6.316 47.54 HIZ 4.300 47.62 YV4RD 6.280° 47.77 HIG | Maracay, Venesuela | 0.02 | Broadcast | 6,010 49.92 CCCO 6,010 49.92 OLR2A | Podebrady, Csechoslovakia | 25.0 | Broadcast |
| 6,280° 47.77 HIG | Trujillo, D. R. | 0.05 | Brondcast Brondcast | 6,010 49.92 OLR2A 6,005 49.96 CFCX 6,005 49.96 VE9DN | Montreal, Quebec | 0.078 | Be., relays CFCF |
| 6,280 47.77 COHB 6,270 47.84 YV5RP 6,260 47.92 OAX4G | Trujitto, D. R. Namiri, Japan Trujillo, D. R. Maracay, Venesuota Trujillo, D. R. Sanoti Spiritus, Cuba Caracas, Venesuela Lima, Peru | | Denadoust | 6.003 49.97 XEBT | Mexico, D. F., Mexico | 1.0 | Broadcast Bc.; relays XEB Broadcast |
| 4,260 47.92 OAX4G 6,250 48.00 YV5RJ | Lima, Peru | | Broadcast Broadcast | 6,003 49.97 XEBT 6,000 50.00 HJIABC 6,000 80.00 YOI | Quibdo, Colombia | 0.1 | Brondcast |
| 6,243 48.05 HIN | Truillo, D. R. | 0.75 | Broadcast | 6,000 50.00 RV59 6,000 50.00 TGWA | Moscow, U.S.S.R. | 20.0 | Broadcast Broadcast |
| 6,243 48.05 HIN 6,235 48.11 HRD 6,225 48.19 YV1RG 6,205 48.35 YV1RI | La Ceiba, Honduras | 0.25 | Broadcast | 6,000 50.00 TGWA | Guatemala City. Guatemala | 0.2 | Brondcast |
| 6.205 48.35 YV1RI | Coro, Venesuela | 0.2 | Broadcast | 6,000 80.00 FIQA 5,980 50.17 HIX | Trujillo, D. R. | 1.0 | Broadcast Broadcast |
| 6,200 48.39 XEXS 6,200 48.39 COKG | Mexico, D. F., Mexico | 0.1 | Broadcast Bc.; relays CM KB | 5,969 50.26 HVJ 5,955 50.38 HJN | Vatican City | 10.0 | Broadcast |
| 4.198 48.08 HISO | Ciudad. Truiillo | 0.025 | Brondcast | 5,995 50.04 RPT | Tashkent, U.S.S.R. | 1.0 | Broadcast Phone |
| 6,190 48.47 HIIA | Lima, Peru Caracas, Venesuela Trujilo, D. R. La Ceiba, Honduras Valera, Venesuela Mexico, D. F., Mexico Santiago, Cuba Ciudad, Trujillo Santiago, Cuba Control | 0.05 | D4 | 5,990 50.08 HJ2ABD | Vernerus, Ver., Mexico Mexico, D. F., Mexico Bogota, Colombia Georgetoria, Bettish Juiana Havanas, Cuba Havanas, C | 0.1 | Broadcast. |
| 6.164 48.67 OAXIB | Chiclayo, Peru | 0.00 | Be.; relays OAKIA | 5,990 50.08 HP5K 5,940 80.50 TG2X 5,925 80.64 HH2S | Guatemala City, Guatemala | 0.2 | Broadcast Police; bc. |
| 6,164 48.67 OAXIB 6,150 48.70 CJRO 6,150 48.78 FT4AJ 6,156 48.73 YV5RD | Winnipeg, Man., Canada | | Be.; relays CJRC | 5,925 50.64 HH2S | Port-au-Prince, Haiti | 0.1 | Be.; relays HH2T Broadcast |
| 6,150 48.78 FT4AJ 6.186 48.73 YV5RD | Caracas Venezuela | 1.0 | Experimental Hennelcourt | 8,917 80.71 YV4RH 8,917 50.71 YV15RV | Maracay, Venesuela | | Broadcast |
| 6,150 48.78 CB615 6,150 48.78 HI5N | Santiago, Chile | 0.15 | Broadcast | 5,899 50.84 YV3RA | Barquisimeto, Venesuela | 0.25 | Broadcast Broadcast |
| 6,180 48.78 HL5N | Chiclayo, Peru Winnipeg, Man., Canada Tunis, Tunisa Caracas, Venesuela Santiago, Chile Santiago de los Cabalteros, D. R. | 0.1 | Renadenet | 5,882 51.00 ZEA 5,880 51.02 IUA | Addis Ababa, Ethiopia | 0.325 | Broadcast Phone |
| 6,150 48.78 HJ4ABU 6,150 48.78 VE9CL | Pereira, Colombia | 0.1 | Broadcast Broadcast | 5,878 51.06 HRN | Tegucigsips, Honduras | 0.4 | Broadcast |
| 6,150 48.78 VE9CL 6,148 48.80 ZEB | Winnipeg, Man., Canada | 0.995 | Broadcast | 5,865 51.15 H11J 5,850 51.28 YV1RB | Maracaibo, Veneruela | 0.04 | Broadcast Broadcast |
| 6.140 48.86 W8XK | Pittaburgh, Pa. | 40.0 | Bo.: relays KDKA | 5,850 51.28 YVIRB 5,845 51.82 KRO | Kahuku, Hawaii | 40.0 | Phone |
| 6,137 48.88 CR7AA | D. R. Colombia Winniper, Man., Canada Bulawaye, So. Rhodesia Pittsburgh, Pa. Lourenso Masques, Mosambique | 0.00 | Dona dona d | 5,830 51.46 TDD 5,830 51.46 CWD | Addis A code, Ethiopia Tegueigslea, Honduras San Pedro de Macoria, D. R Maracaibo, Venoruela Kahuku, Hawaii Shinkio, Manchukuo Montevideo, Uruguay (Cerrito) | | Phone to Tokyo |
| 6.133 48.91 XEXA | Lourenso Marques, Mosambique Mexico, D. F., Mexico Parede, Portugal Havana, Cuba Jeloy, Norway Concentration Guinne | 0.33 | Broadcast | | Montevideo, Uruguay (Cerrito) San Jose, Costa Rica San Jose, Costa Rica Caracas, Venezuela Manila, P. I. Nazaki, Japan | 1.5 | |
| 6,182 48.92 CT1GO | Parede, Portugal | 0.35 | Broadcast | 5,830 51.46 TIGPR 5,830 51.46 TIX2 | San Jose, Creta Rica San Jose, Costa Rica | 1.0 | Broadcast Broadcast |
| 6,130 48.94 COCD 6.130 48.94 LKJ1 | Havaga, Cuba | 0.2 | Be.; relays CMCD | 5,800 51.72 YV5RC | Caracas, Venezuela | 1.0 | Brondcast |
| 6,182 48.92 CT1GO 6,130 48.94 COCD 6,130 48.94 LKJ1 6,130 48.94 VP3BG | Jeloy, Norway Georgetown, British Guiana | 0.15 | Broadcast | 5,830 51.46 TIX2 5,830 51.72 YVSRC 5,800 51.72 KZGF 5,790 51.81 JVU | Manila, P. I. | 10 0 | Phone; occ. bc. Phone to Manchukuo; |
| | Cuzco, Peru | 1.0 | Brondonst | | reason, vaped | | also be |
| 6,125 48.98 CXA4 6,122 49.01 HJ3ABX | Hogota, Colombia | | Broadcast | 5,780 51.90 OAX4D | Lima, Peru Medallia, Colombia | 20.0 | Brondcaat |
| 6,122 49.01 OA X4P | Huancayo, Peru | | Broadcast | 5,780 51.90 HJ4ABD 5,788 52.10 YNOP 5,735 52.31 HC1PM | Lima, Peru Medellia, Colombia Managua, Nicaragua Quito, Ecuador Nazaki, Japan | | Broadcast |
| 6,122 49.01 OAX6A 6,120 49.02 YDA5 6,120 49.02 XEPW 4,120 49.02 XEFT 6,120 49.02 W2XE 6,120 19.02 W2XE 6,117 49.04 XEUZ 6,115 49.06 XECU | Bandoeng, Java, D. E. I. | 1.5 | Broadcast | 5,735 52.31 HC1PM | Quito, Ecuador | | Phone to Formous; be. |
| 4,120 49.02 XEPW | Merico, D. F., Mexico | A 19 | Broadcast | 5,718 52.51 TG8 | Guatemala City, Guatemala | 0.2 | Broadcast |
| 6,120 4 02 HP5Z | Panama City, Panama | 0.2 | Broadcast | 5,710 82.54 YV2RA | San Cristobal, Venesuela | 0.75 | Broadcast Phone; be. |
| 6,120 F1.02 W2XE | Wayne, N. J. | 10.0 | Bc.; relays WABC | 5,730 52.36 JVV 5,713 52.51 TG8 5,710 52.54 YV2RA 5,705 52.59 CFU 5,670 52.91 DAP | Nazaki, Japan Guatemala City, Guatemala San Cristobal, Venesuela Rossland, B. C., Canada Norddeich, Germany | 0.1 | Phone De. |
| 6,115 49.06 XECU | Guadalajara, Mexico | | Broadcast | 5,800 84 85 TISHH | Puerto Cabezas, Nicaragua Sun Ramon, Costa Rica Sverdlovak, U.S.S.R. | 0.1 | Phone Broadcast |
| 6,115 49.06 HJIABB 6,115 49.06 OLR2C | Barranquilla, Colombia Padebendy, Caschoslovskin | 25.0 | Broadcast Becordoset | 5,490 54.64 ROI | Sverdlovsk, U.S.S.R. | 15 0 | Phone |
| 6,110 49 10 GSL | Daventry, England | 20 0 | Broadcast | 5,435 58,19 LSH 5,415 85,40 PM V | Monte Grande, Argentina Bandoeng, Java, D. E. I. | 0.45 | Phone; be. |
| 6,110 49 10 GSL 6,110 49 10 VE9HX 6,109 49 10 VUC | Halifax, N. S., Canada | 0.2 | Be.; relays CHNS | 5,490 54.64 ROI 5,435 55.19 LSH 5,415 85.40 PMY 5,170 58.03 HRW- | | | |
| 6,108 49.11 HJ4ABB 6,100 49.18 W3XAL | Jeloy, Norway Georgetowa, Britash Guiana Cusco, Preu Montrevideo, Uruguay Noguka, Colombia Huancayo, Peru Araquipa, Peru Araquipa, Peru Araquipa, Peru Araquipa, Peru Araquipa, Peru Mezico, D. F., Mezico Panama City, Fanama Mezico, D. F. Guadalajara, Mezico Barranquilla, Colombia Dodebrady, Caechoslovakia Daventry, England Halifax, N. 8, Canada Calcutta, Ludia Manitaleo, Colombia Monitaleo, Colombia Hong-Korg, Chima Hong-Korg, C | | Broadcast | 5,140 58.37 PMY | La Ceiba, Honduras Bandoeng, Java, D. E. I. Bolinas, Calif. Bolinas, Calif. | 0.L 0.6 | Phone Broadcast |
| 4 100 40 18 WuYR | Bound Brook, N. J. Chicago, Illinois | 20.0 | Be : relays WJZ _ Re : relays WENR | 5.110 58.71 KIKB | Bolinaa, Calif. | 40.0 | Phone |
| 6,100 49.20 YTC 6,098 49.20 ZTJ | Belgrade, Yugoslavia | 2.5 | Broadcast | 5,105 58.76 KEC 5,025 59.70 ZFA 5,000 60.00 WWV | Bolinas, Calif. | 40.0 1.5 | Phone Phone |
| 6,098 49.20 ZTJ 6,097 49.20 HJ4ABE | Johannesburg, S. Africa Madellin, Colombia | 5.0 | Broadcast Broadcast | 8,000 00.00 WWV | Hamilton, Bermuda Beltaville, Md | 1.0 | Frequency Standard; Wed., Fri.; 1000a, 1 E. S. T. |
| 6.090 49.26 ZBW2 | Hong-Kong, China Ibague, Colombia | 2.0 | Boc; relays ZBW | | | | Wed., Fri.; noon, 1 |
| 6,090 49.26 HJ4ABC | Ibague, Colombia Toronto, Ont., Canada | 0.5 | Broadcast Broadcast | 5,000 60.00 EUD | Pretoria, S. Africa Rugby, England Rugby, England Vancouver, B. C. Lawrenceville, N. J. | | Experimental |
| 6,080 49,36 CRCX 6,083 49,30 HJSABD 6,083 49,32 VQ7LO 6,080 49,34 ZHJ 6,080 49,34 CP5 6,080 49,34 WbXAA | Adronto, Ont., Canada | | Broadcast | 4,975 60.30 GBC | Rugby, England | 5.0 15.0 | Phone to ships Phone to U. S. |
| 6,083 49;32 VQ7LO | | | | 4,829 62.24 GDW 4,795 62.56 VE9BK 4,783 63.11 WOY | Vancouver, B. C. | 0 25 | Broadcast |
| 6,080 49-24 CP5 | La Paz, Bolivia | | Broadenst | 4,753 63.11 WOY 4,753 63.11 WOO | Lawrenceville, N. J. | 20 0 20.0 | Phone Phone |
| 6,080 49.34 WUXAA 6,079 49.35 DJM | Chicago, Illinois | 20.0 | Be.; relays WCFL Experimental | 4,610 65.08 YNJ7 | Wapam, Nicaragua | 0.1 | Phone |
| 6.075 49 38 HP5F | Colon, Panama | 0.3 | Broadcast | 4,610 65.08 YNJ7 4,610 65.08 YNJ5 4,610 65.08 YNE 4,610 65:08 YNH6 | Ocean Gate, N. J. Wapam, Nicaragua Waspook, Nicaragua Puerto Cabezas, Nicaragua Boom, Nicaragua | 0.1 | Phone Phone |
| 4,075 49.38 YVIRD | Maracaibo, Venesuela | 0.5 | Broadcast | 4,610 65:08 YNH6 | Boom, Nicaragua | 0.1 | Phone |
| 6,073 49.37 CUN 6,070 49.42 VE9CS 6,070 49.42 CFRX | Vancouver, B. C., Canada | 0.01 | Broadcast | 4,605 65.16 HRW- HRY | | 0.1 | Phone |
| 6,070 49.42 CFRX | Toronto, Ontario | 1.0 | Broadcast | 4,600 65.22 HC2ET 4,465 C 19 CFA2 | La Ceiba, Honduras Guayaquil, Ecuador Drummondville, P. Q. | 0.4 | Broadcast |
| 6.067 49.45 VPB | Colombo, Ceylon | 0.1 | Broadcast | 4,465 C 19 CFA2 | Drummondville, P. Q. | 15.0 | Phone |
| 6,065 49.46 XEXR | Mexico, D. F., Mexico | | Broadcast | 4,355 68.89 IAC | Canada Coltano, Italy | 56 0 | Phone |
| 6,070 49.42 CFRA 6,070 49.42 HJ3ABF 6,067 49.45 VPB 6,063 49.46 XEXB 6,060 49.50 OXY 6,060 49.50 W8XAL | Penang, Straits Settlements La Pas, Beliga, Chicago, Illinois Zeesen, Germany Colon, Panama Maracaibo, Venesuela Macao, Asia Vancouver, B. C., Canada Toronto, Ontario Bogota, Colombia Colombio, Ceylon Mesico, D. F., Mesico Skamlebuek, Denmark Cincinnati, Ohiin Philadelphia, Pa- Bogota, Colombia | 10.0 | Broadcast Broadcast Broadcast Be.; relays WLW Be.; relays WCAU | 4,273 70.21 RV15 4,107 73.05 HCJB 4,107 73.17 LEJ1 4,097 73.23 WND 4,002 74.77 CT2AJ 4,000 75.00 CT3AQ 3,175 94.48 YNJ7 | Coltano, Italy Khabarovsk, U.S.S.R. | 20.0 | Broadcast |
| 6.060 49.50 W3XAU | Philadelphia, Pa. | 10.0 | Be.; relays WCAU | 4,107 78.05 BCJB 4.100 73.17 LKJ1 | Jelov, Norway | 1.0 | Broadcast Experimental |
| 6,050 49.59 HJ3ABD 6,050 49.59 XEXF | Mexico, D. F.: Mexico | 1.0 | Broadcast | 4,097 73.23 WND | Amburovas, U.S.S.R. Quito, Ecuador Jeloy, Norway Hialeah, Fla. San Miguel, Azores Funchal, Madeira Wapam, Nicaragua Wapook, Nicaragua Boor, Nicaragua | 0.4 | Experimental Phone Amateur; bo. |
| 6.045 49.62 XETW | Mexico, D. F., Mexico | | Broadcast | 4,002 74.77 CT2A3 4,000 75.00 CT3AQ | Funchal, Madeira | | |
| 6,042 49.65 HJ1ABG | Marranquilla, Colombia Marri Beach, Fla. | 2.5 | Be.: relava WIOD | 3,175 94.48 YNJ7 | Wapam, Nicaragua | 0.1 | Phone |
| 6,040 49.67 W4XB 6,040 49.67 HI9B | Santingo de los | 0.0 | December 1 | 2 175 04 42 VNHs | waspook, Nicaragua Boom, Nicaragua | 0.1 | Phone Phone |
| 6,040 49.67 WIXAL | Caballeros, D. H Boston, Mass | U.1 5 n | prondenst Brondenst | 3,170 94.48 YNE 3,800 78.95 ZP11 | Puerto Cabezas, Nicaragua | 0.1 | Phone |
| 6,040 49.67 YDA | Tandjongpriok, Java, | 0.0 | | | Basie, Switzerland | | Benedenst |
| | Philadelphia, Pa. Bogota, Colombia Mexico, D. F., Mexico Mexico, D. F., Mexico Barrangual Ia, Colombia Mami Bosch, Pia. Bondo Grando Gr | 10.0 | Broadcast | 3,770 79.56 HB9B 3,525 85.11 HB9AQ | Boom, Nicaragua Puerto Cahezas, Nicaragua Asuncion, Paraguay Basio, Switzerland Lausanne, Switzerland | | Broadcast |
| 6,633 49.72 HJ4ABP 6,030 49.75 OLR2B | Podebrady, Czechoslovakia | 25.0 | Broadcast | 3,376 88.83 HJA3 2,330 92.88 YDV2 | | | |
| 6.030 49.75 HPSB | Panama, Panama | 0.1 | Broadca-t | | Bandjermasin, Borneo, D E. I. | 20.0 | Broadcagt |
| 6,030 49.75 VE9CA 6,030 49.75 XEBQ | D. E. I. Medellin, Colombia Podebrady, Czechoslovakia Panama, Panama Calgary, Alberta, Canada Masatlan, Mexico | 0.1 | Bc.; relays CPCN Broadcast | 3,040 96.68 YDA | Tandjongpriok, Java, D. E. 1. | 10-0 | Broadcast |
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Jine quality radio tone depends on fine quality radio tubes and parts . . . Insist on . . . NATIONAL UNION TUBES and PARTS to get the most out of your set.



Ted Husing recruits a mowing machine to carry himself, portable relay transmitter and engineers around the lengthy fairway of a golf club while he presents a word picture of the event.



BROADCASTING THE NEWS

WITH greater speed than newspapers can be published and distributed, radio supplies the public with news flashes throughout the day. In addition to news bulletins, there are stellar commentators who interpret the events of the day editorially. News re-enactment programs are also popular; actors and actresses with expert mimicking ability bring to life the stories of the headlines.



A section of the busy news department of NBC where wired material from press associations is prepared for the air. Right: A scene from the "March of Time," a pioneer news reenactment feature.







Walter Winchell, the Broadway columnist, Lowell Thomas and Edwin C. Hill, three long-established air commentators.





It's always news when the President and the First Lady takes to the airways. The President is shown at the left in a typical railroad platform broadcast. Mrs. Roosevelt is apparently setting a record for broadcasts by Presidents' wives.

SAY IT WITH A SONG

THAT'S what sponsors believe and they do that very thing! Only they're smart enough to have talented men and women do it for them. On these pages are representative vocalists who are responsible for the tunes you hum to yourself after a night of radio listening. This branch of radio, particularly, offers big opportunities to newcomers.

The Revelers, a pioneer air quartet that's still going strong.







"Autograph please!" is the request and Lucille Manners and Lanny Ross are seen obliging.







Del Casino and Loretta Clemens, whose voices are known from coast to coast.





And Harriet Hilliard and Don Ross, two more top-notch mike vocalists. Left: Recognize her! It's Martha Tilton, the girl on the cover. She's featured with Benny Goodman's Orchestra.





Songstresses Dorothy Arnold and Sylvia Froos, who have "an eye" as well as "ear" appeal.







Left to right: Claire Sherman, Jack Baker and Joan Edwards, popular network songsters. And below, left to right, are Lury Monroe, Jane Froman and Ethel Shutta, whose voices have wide followings.







Right: A scene such as this can only occur in a dream or in a Hollywood musical talkie. In this case it's the latter. And in the foreground is Kenny Baker, the young singer who "made the grade" cinematically as well as microphonically.



YE OLDE FAMILY ALBUM

HERE are some photos from the family albums of your air favorites. Can you identify them from these photos taken when they were young? See how good your guess is before you look at the captions on the lower right.



2. She's known as "The Nitwit of the Networks." She looks innocent enough here but she turned into radio's leading exponent of daffy humor.



1. He's popular as a dance conductor, singer and variety show director. He looks the same today (outside of the haircut!)



3. These two lads used burnt cork and a Harlem dialect to gain fame.

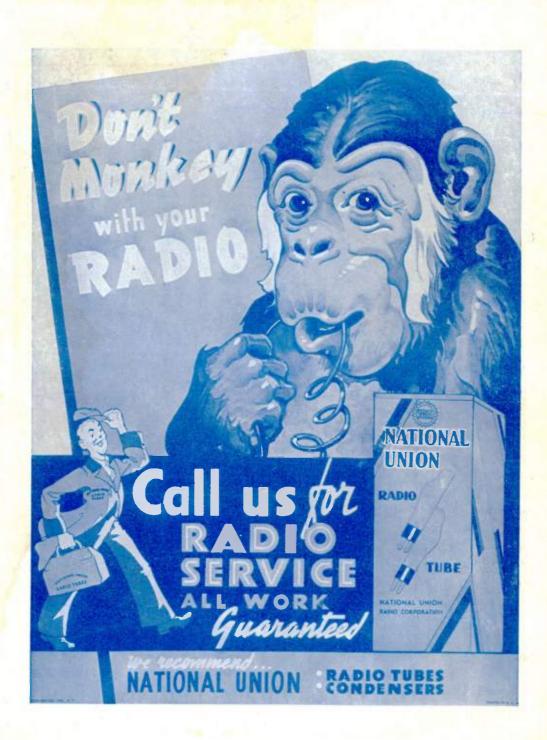




4. This girl's name comes to mind whenever you hear "Shine on, Harvest Moon." The young man at the right scored his greatest mike success with the aid of a gong. He's pictured here as a young yachtsman making a formal (see the hat!) call on neighboring boats.

OF COURSE YOU KNEW!

- 1. Rudy Vallee.
- 2. Gracie Allen.
- 3. Freeman Gosden (Amos) and Charles Correll (Andy).
- 4. Ruth Etting and Major Bowes.



CALL US FOR RADIO REPAIRS



F your radio hums, buzzes, crackles, fades or stops playing altogether, call usl

We have scientific instruments which quickly locate radio troubles and show us exactly what must be done to cure them.

We are experts with a broad training in the science of radio repairs and are equipped to cope with problems on all makes of sets.

We use quality parts in all of our work and quarantee every job fully.

Our charges are reasonable and our service is fast.

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