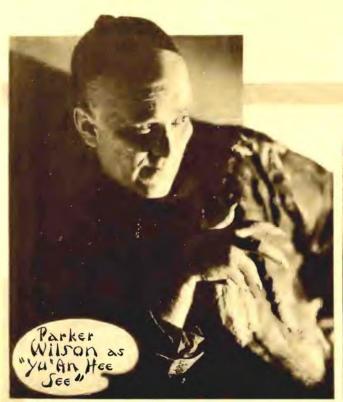
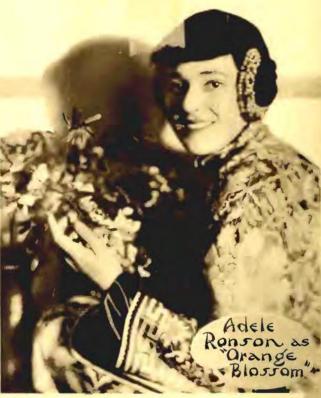
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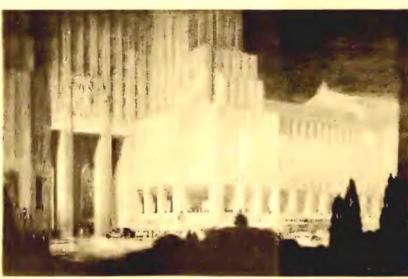




Listeners to Collier's Hour during March and April received a chill from the dramatic presentation each Sunday evening of an episode from Sax Rohmer's latest thriller, "You 'An Hee See Laughs." PARKER WILSON, as "Yu 'An Hee See," "laughed" most villainously, while ADELE RONSON won the hearers' sympathy in the difficult role of "Orange Blossom."

Before the central edifice of "Radio City," and wider than Fifth Avenue, will stretch a shrubbery-planted plaza, with fountains and flower-beds. The plaza will continue as a private street through archways to Forty-eighth and Fifty-first Streets. Thus within the walls of Radio City will be a beautiful parkway of its own as indicated in the artist's drawing below. Beneath the plaza will be the subway station and underground lobby. There will be underground parking area for thousands of machines, and all shipping for occupants of the six-block "Radio City" will be handled in the underground levels.







VOLUME II.

MAY, 1931

No. 7

Television Peeps Around the Corner By Don Davis the receiver in the same manner as the conventional

TELEVISION has lurked "just around the corner" for many years, but in spite of the pessimistic reports early in the year, this spring has seen television peeping around that corner.

Television has made a good start, and, if this writer is not very much off his reportorial course, you, the radio listener, will become a "looker-in" before next Christmas.

Sight and sound transmissions have been on the air nearly a year. Chicago has contributed tremendously in this phase, while New York has just recently begun such broadcasting with the inauguration of the WGBS-Jenkins station at Fifth Avenue and Fifty-second Street.

The Columbia Broadcasting System should be on the air with an experimental television transmitter by the time this story has been printed.

The National Broadcasting Company has been operating experimental television station W3XBS atop the New Amsterdam Theater building for several months. Their sole transmissions, however, have been views of cards and of Felix, a wooden cat,

Boston experimental stations created a stir in that city some time ago when television images were picked up in a local store and shown to the general public. Hundreds of interested visitors lined up for hours to glimpse the one-inch square images which were reflected from a television receiver.

A news story widely published by newspapers throughout the country recently told of television images being reproduced by M. A. Sanabria, a Chicago engineer, on a ten-foot screen. Investigation proved that this was actually being accomplished, although the equipment utilized was in an experimental stage and highly expensive. It was designed, the inventor hastened to explain, for use in theaters and large auditoriums. Triple scanning, neon are lamps and electrical retouching have also been introduced by Sanabria.

Another company, known as Radio Pictures, has been transmitting images for many months in the New York area. In Washington, D. C., Jenkins has long been transmitting half-tones, motion pictures and silhouettes from W3XK. Images from this station have been on the air since 1925.

The Baird Television Corporation of Great Britain has established offices in New York. Although the Baird interests have no transmitter in operation here, they are London's leading television experimenters and broadcasters, where they have contributed nobly to the science with many developments.

Baird and Jenkins claim to be the pioneers of the industry, although the General Electric Company and the American Telephone and Telegraph Company have both been engaged in laboratory experimentation for years—perhaps before either of the two inventors who brought their researches before the public at earlier dates.

General Electric, it is said, was the first to broadcast an actual play by television. Three television cameras, or projectors, were utilized for this unusual transmission which took place between 1925 and 1927.

Line-wire television demonstrations are being shown regularly by the A. T. & T. in their New York laboratories. Their results are striking, to say the least. Clear and sharp are the pictures as one sees them in the strange little telephone-television booths especially constructed for the demonstration.

Parts for construction of television receivers are readily obtainable in most of the large cities. Completed receivers are making their appearance on the markets, although they are rather expensive for the average radio listener.

Small television units may be purchased for \$100, which, when operated in conjunction with proper semi-short-wave receiving equipment, will give clear pictures about one inch square. It might be said here that the televisor unit is attached to the receiver in the same manner as the conventional loud speaker.

Television receivers must utilize resistance coupled amplifiers, with power tubes. They must tune broadly and have a range of between 100 and 200 meters.

The one main requisite of television reception is to obtain *loud* signals. The louder you hear television signals, the clearer and brighter will be your images, since the neon tube in the televisor depends on this superimposed current from the amplifiers of your receiver for its brilliance and resultant pictures. The receiver must, in the case of television reception, tune *broadly*. If it tunes sharply, you will obtain distorted images.

A televisor consists of a synchronous motor, which must run at the same speed and phase as the transmitting motor. This motor turns over a scanning disk, which contains forty-five or forty-eight or sixty holes carefully spaced. These holes must correspond with the holes in the transmitting scanning-disk. They form the lines of your picture. Thus it is said that you receive forty-eight-line pictures or sixty-line pictures.

Television has been somewhat simplified in this respect in the East, since an agreement reached last month will make it necessary for all television transmitters to utilize the sixty-line transmitting disks.

Behind your disk there is the neon tube, on whose plate the images appear to form while they are being scanned. Then through a magnifying-glass you peer through the disk at the plate and the images become visible.

The commonly used scanning-disk is gradually being replaced in laboratories by the drum scanner-disc, which, through the added use of powerful magnifying-glasses, will give sharp and clear images eight inches square. This equipment is intended for home use. Of course, much larger images can be obtained where money is not an important factor in purchasing equipment.

(To be continued next issue.)

Television Eyes in the NBC Experimental Studios

A television receiver which presents pictures eight inches square (R. E. Replagle, assistant to president of Jenkins-DeForest Ca.).





A simple, home television set aver which Darothy Schoolt, wife of CBs. "Going to Press" man, is viceing mation pictures from Boston in her New York house.



www.ameniesmadionistory.com

GAIN we experiment A with our program schedule. This time we present on pages 18 to 31 a bird's-eye view of American chain programs hour by hour during the evening period, listing every

station scheduled at NBC and CBS to receive each chain program. With each map is a list of all chain programs under way, indexed for each fifteen minutes of the hour.

Turn to any date and hour in May, choose from the programs available the one you want and locate the nearest available station bearing it. Glance at page 33 for its location on your dial if you don't remember it, tune in and enjoy the feature you want at any given minute between five and midnight, Eastern Daylight time.

Once again we ask our friends to write us. Do you prefer us to perfect this issue's system or shall we return to the system used in March and April?

As we write we have before us letters from more than a score of broadcasting stations stating their utter inability to forecast their May programs because of the change to Daylight Saving Time, which will govern all programs supplied by the chains after April 26. On the 10th of April, program directors of stations in areas where the time does not change can make no definite plans for chain programs for May until they can readjust all their local programs, many of which were contracted for a definite time now to be pre-empted by a chain favorite. That situation makes May an ideal month for us to try a schedule experiment, for it will be well into May before local programs can be scheduled again with any exactitude, and to publish this magazine and get it to you from coast to coast by May 1, we must go to press by April 15.

Even in the case of chain programs, there will be many cancellations and shiftings about early in May, as sponsors living in Standard Time areas come to realize that their programs go on the air before the average listener becomes conscious that the evening has begun. The ten o'clock Eastern Daylight programs will be nearing completion before many of us middle Westerners will be coming into the house from our after-dinner tinkering about the garden. We'll just have our radios under way in time for the second Amos 'n' Andy show, but such is the result of being a citizen of a country which in the summer reaches across five time belts. Of course, what we are getting at in all this rambling is to warn you that no program service except a local daily, edited from a telegraphic service, could offer you real accuracy in either May or November. They are the great "moving" months of radio, when even old stand-bys are apt to be canceled or shifted.

Minute Program Announcements

AMOS WAS MADAME QUEEN, ANDY HIS OWN LAWYER

MOS and Andy adhered to their policy A of refusing assistance even during the crowded days of the late breach of promise suit. The boys carried on as usual by themselves. Amos took the parts of the Kingfish, Brother Crawford, Lightnin', the Judge, Lawyer Smith and Madame Queen. Andy was Lawyer Collins and the bailiff, as well as defendant during the trial. As usual, no one was permitted in the studio while they were broadcasting. Even Bill Hay is stationed in another room along with the musicians.

We give this information direct from WMAQ in answer to dozens of letters from our readers.

And here's another rumor squelched. The boys write their own script. Every week-day at noon Andy sits down at the typewriter in the boys' office, and for three or four hours the two concentrate on the script for the day. There is no rehearsal. Once written, the boys seldom look at the script again until a few minutes before they are due on the air.

NEW PROGRAMS

It is rumored that Flit will return to the air this summer, featuring "Believe It or Not" Ripley.

Every station which affiliates with WEAF, except WWJ, Detroit (a total of nearly sixty), has arranged to carry the Firestone Hour from 4:15 to 5:15 Sunday afternoons, beginning May 31.

Helen Oelheim, young American contralto, has succeeded Miss Taiz in the role of "Freda," daughter of "Peter Zorn," in whose shop the Dutch Masters congregate each Friday evening at 8:30 P. M.

Peter Pan Fashion Broadcasts, formerly a morning period, has moved up to the 10:15 spot on Wednesday nights over CBS. Teddy Black's orchestra provides a musical background for the noted style specialists who are featured.

If, after the time change, some favorite program disappears from its accustomed place on the air, send us a self-addressed, stamped envelope, and we shall be glad to tell you whether it has gone on vacation or has found new associations.

The McAleer Polishers are a new CBS presentation each Wednesday at 10:30 P. M. on a nation-wide hook-up. The principals are Scrappy Lambert and Dick Robertson, vocalists; Dave Elman, humorist, and

Sam Lanin and his dance orchestra. Harry von Zell is master of ceremonies.

Five young men from Rockcastle County, Ky. -"the Cumberland Ridge Runners"-are scheduled to inaugurate a new weekly series of programs over CBS to be known as the "Olson Rug Folk Songs." Station list and time have not yet reached us.

With the beautiful Countess Olga Albani and a male quartet of four solo specialists as leading attractions, aided by a concert orchestra, the Kodak Week-end program has returned to the air for the summer season. The outlet is WEAF, and the time 10 P. M., E. D. T.

Three addresses by President Hoover will be broadcast by the chains during May. On May 4 he speaks to the International Chamber of Commerce; on May 21 his speech will commemorate the fiftieth anniversary of the American Red Cross, and on May 31 he will make the Memorial Day address at historic Valley Forge.

Don't forget that Empire Builders will offer something special Monday, May 4, at 10:30 P. M., when the drama for the evening will be "The Legend of the Wild Rose." The cast includes Harvey Hays, Lucille Husting, Don Ameche, John Daly, William Roth and Theodore Daucet. Unusual sound effects are promised. That means something, for the listeners are generally agreed that Empire Builders is far in the lead in presenting sound effects.

Among the men of affairs who are soon to give brief talks on business during the Halsey, Stuart broadcasts, Wednesday evenings over NBC, are Rome C. Stephenson, president of the American Bankers' Association; D. F. Kelley, president of the National Retail Dry Goods Association; T. George Lee, president of Armour & Co., and T. S. Morgan, president F. W. Dodge Corporation. Seven Pacific Coast stations have joined the already large network for this series.

Last issue we ran a picture and brief story about "The Dixie Spiritual Singers," a group of twentyfive Southern negroes, recruited from the tobacco work-rooms of Larus Brothers at Richmond, Va., who were putting on an unusually attractive pro-

WHAT'S ON THE AIR

(Registered in U. S. Patent Office)

MAGAZINE FOR THE RADIO LISTENER Vol. II.

PUBLISHED MONTHLY AT NINTH AND CUTTER STS., CINCINNATI, O., BY WHAT'S ON THE AIR CO. PRINTED IN U. S. A. EDITORIAL AND CIRCULATURE HOS. G. STATION N. CINCINNATI, O. ADVERTISH OF COLORS IN V. FORTY-SECOND ST., NEW YORK CITY.

(COPYRIGHT, 1931, BY WHAT'S ON THE AIR CO.)
PATRINTS APPLIED FOR COVER BANG FEATURES OF FROGRAM-FINDING SERVICE OFFERED IN THIS MAGAZINE.

"EXTERED AS SECOND-CLASS MATTER APR. 10, 1930, AT THE POSTACE OF COLORS

"ENTERED AS SECOND-CLASS MATTER APR. 10, 1930, AT THE POST-OFFICE AT CINCIN-NATI, O., UNDER THE ACT OF MARCH 3, 1879."

AGENTS WANTED.—Take orders for WHAT'S ON THE AIR subscriptions in your community. Every radio home a good prospect. Your friends and neighbors will enjoy this new radio program directory and magazine. Full or part time work. Liberal offer to both men and women. Write for our proposition to agents.—CIRCULATION MANAGER, WHAT'S ON THE AIR. Ninth and Cutter Sts., Cincinnati. O.

STATEMENT OF OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF

Of "What's on the Air," published monthly at Cincinnati, O., for April 1, 1931. State of Ohio, County of Hamilton.

Haultion.

Refore one, a Notary Public in and for the State and county afcrossid, personally appeared Willard Mohester, who, having been duly room according to law, deposes and says that he is the editor of the "What's on the Ast, and that the fallowing is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforested publication for the date above, in the above explain, required by the Act of August 23, 1912, embadded in Section 411, Perstal Laws and Regulations, printed on the receive of this form, to will:

1912, embodied in Section (11), Postal Laws and Regulations, printed on the recess of this form, to will.

This the numes and addresses of the middlisher, editor, managing editor and business managers are; Publisher, The Standard Publishing Company, Ros 5, Sta. N. Cluselmati, O.; editor, Willard Molonter, Box 6, Sta. N. Cluselmati, O.; stanging editor, Willard Molonter, Box 6, Sta. N. Cluselmati, O.; stanging editor, Willard Molonter, Box 6, Sta. N. Cluselmati, O.; stanging editor, Willard Molonter, Box 6, Sta. N. Cluselmati, O.; stanging editor, Willard Molonter, Box 6, Sta. N. Cluselmati, O.; Russell Kreet, Hotel Alms; Willard Molonter, Box 6, M. Hearthy, John D. Errett, 2655 Montans; W. R. Walker, 2552 Geine Ecke Drive, Columbus, O.; W. R. Errett, 6295 Ridge Avenue.

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5. That the average number of copies of each fines of this publication sold or distributed, through the nails or otherwise, to paid subserblers during the sky multivations and;)

William Monogram.

William Monogram.

Sworn to and subscribed before me this 26th day of March, 1931 [SEAL.]

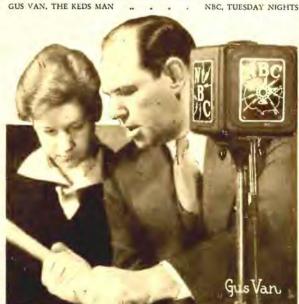
John S. Mostlen.

Form 3526.-- Ed. 1924.



And now Little Orphan Annie has joined the networks. Since Monday, April 6, the character made famous by Harold Gray on the Chicago Tribune, has been a six-nights-a-week feature through a group of NBC stations.

Annie brought her entire gang with her from the funny paper to radio, including Mr. and Mrs. Silo and Joe Corntassel, to say nothing of her inseparable companion, "Sandy," the dog. Ten-year-old SHIRLEY BELL plays the role of Annie, while the role of Joe is enacted by ALLAN BARUCK, twelve years old, both Chicago stage and microphone veterans, in spite of their extreme youth. The Silo roles are played by Henrietta Tedro and Jerry O'Meara.



gram from Station WRVA. Now, thanks to NBC, these untrained singers of original negro melodies may be heard by our readers generally. "The Dixie Singers" are presented over WJZ and associates every Thursday evening at 8 o'clock.

While the Gold Medal Fast Freight continues its CBS run each Wednesday at 9 P. M., a new aerial train-the Gold Medal Express, now roars through a network of NBC stations every Monday at 8:30 P. M., E. D. T. It bears an unusually varied array of talent, including Victor Arden and Phil Ohman, famed piano team (see p. 15); a novelty orchestra, the Wheaties trio, an impersonator and a guest artist. The trio consists of Joe Shuster and Johnny Tucker, both well known as song writers, and Monroe Silver, an RCA-Victor recording artist. Ford Bond is the announcer on the express.

CBS has organized its Southern stations into a unit to be known as "The Dixie Network." The key station is WBT at Charlotte, N. C., and while the dozen or more affiliated stations will still be a part of the regular chain, carrying many of the New York programs, they will also have a series of programs of their own whenever the regular CBS facilities are occupied with commercial programs calling for only the basic chain. This means that by our next issue we shall be called on to list in our schedules some special programs reaching exclusively the CBS stations in the South.

The latter half of the Deems Taylor Musical Series, an educational course in Grand Opera, with brief explanations by Deems Taylor himself, and the illustrations from operas sung in English, will be presented in May. Both NBC systems are carrying this series in order to bring this opportunity to understand and appreciate opera to the largest possible audience. The subjects for May are as follow: May 3, "The Second Reformation;" May 10, "The Revolution;" May 17, "Verdi;" May 24, "Opera after Wagner;" May 31, "American Composers and American Opera." The May 31st program will begin 1:45 (E. D. T.) and last forty-five minutes. The others open at 2 P. M. and last onehalf hour.

Among the chain programs which have left the air for the summer are Davey Hour, Luden's, Floyd Gibbons, Enna Jettick, Billikin Pickards, Uncle Abe and David, Smith Brothers, Edward Rambler, Two Troupers, Dixie Circus, Vapex Doctors, The Campus, Golden Hour, Be-Square Club, Sam Lloyd and Fro-Joy. Other withdrawals are imminent. However, a goodly number of new features are promised for the summer months. Firestone, Domino Sugar, Compana, Bayuk Cigars, Little Orphan Annie, Tidewater Inn, Fortune Builders, McAlcer Polishers and Postal Telegraph are but some of those which have already been definitely contracted.

AIR CHANNELS.

On April 14 the Federal Commission gets down to brass tacks again on the question of deciding which stations shall be permitted to increase their power to 50,000 watts.

"FORTUNE BUILDERS"

It is quite probable that before these lines are read WTMJ at Milwaukee will be granted relief from interference which now limits its reception. Just what stations will be shifted is still a mystery.

Early in May, WHP at Harrisburg, WHEC at Rochester, WCAH at Columbus, and WOKO at Albany, all four aligned with CBS, are scheduled to begin synchronized broadcasting simultaneously on the 1430 kilocycle chan-

The new station list issued by the Federal Radio Commission is now ready for the public. It may be obtained from the Government Printing Office at Washington on receipt of fifteen cents in coin, not stamps.

The hard-worked Federal Commission received in one application recently request for authority to add 267 new broadcasting stations to the already overloaded air. The complete plan of the sponsors calls for exclusive use of twenty-five channels, which it would use through some eight hundred small stations to be built in cities of from 10,000 to 100,000 population to provide purely local ser-

With television bobbing out from around the corner, and but four channels available for the entire United States, public necessity bids fair to bring a drastic shake-up of broadcasting by another

CBS, SUNDAY AND THURSDAY AT 10:30 P. M.



year. One ray of hope is seen in the application of Radio Pictures, Inc., now before the Commission for permission to experiment in television in the upper radio spectrum above the present recognized limit of 23,000 kilocycles.

By the way, we find the hours of 4 to 6 a. M. surprisingly interesting for DX work. We tune in some convenient testing program and wait until the set is warmed up thoroughly. Then if static seems heavy we turn the set off and go back to bed; but if atmospheric conditions are at all favorable, we find that patient work up and down the dials will often bring in a surprising number of stations. Early morning listening-in almost always adds to your list of stations heard on such crowded channels as 1200, 1210, 1310, 1970, 1420 and 1500.

A piece of copper tubing three feet ten inches long and one inch in diameter, wrapped from one end to the other with No. 20 copper aerial wire, and then buried in a deep hole is a most perfect ground for DX reception. At least, this is the scheme adopted by Ollie Ross, of Vallejo, Calif. With an eighty-foot aerial and lead-in from this ground to his radio set he tells of bringing them in far and near. In three years' time his record shows that he has logged over 1,308 stations from every State in the Union as well as from Canada, Mexico, Europe, Asia, the Philippines and Africa.

An amazing number of DXers not only on the Pacific Coast, but in decreasing numbers as far east as Indianapolis, have been made happy the past three months by listening in on Japan. On the west coast even five-tube battery sets well located have proved sufficient to pick up all eight of Japan's 10,000 watters. While it is almost too much to hope that such favorable reception conditions will continue through April and into May, a tip from the successful DXers will undoubtedly be welcome. The best time to fish for the JO stations is between 3:30 and 6:30 A. M., C. S. T. The Jap stations are JOFK at Hiroshima (849 Kc.); JOGK at Kumamoto (789 Kc.); JOCK at Najoya (810 Kc.); JOBK at Osaka (750 Kc.); JOIK at Sapporo (831 Kc.); JOHK at Sendai (769 Kc.); JOAK at Tokyo (869 Kc.), and JOKK at Yokohama (590 Kc.).

SPORT BROADCASTS IN MAY.

The Intercollegiate track championship to be held at Franklin Field, Philadelphia, early in May will be another offering of the chains to sport lovers.

If you can get WLW and are a sports fan, don't overlook Col. Bob. Newhall's week-day night sports reviews over the Cincinnati 50,000 watter.

CBS announces that it will carry over its chain an average of four sports events of general interest per week throughout the summer months.

Golfers will have an extra inning on the air in May when the chains cover the Ryder Club Matches (U. S. vs. Great Britain) to be held this year at the Scioto Club, Columbus, O.

As usual, the automobile race at the Speedway, Indianapolis, will be broadcast by both chains on Memorial Day. However, only the closing hour of the race will be covered.

Both NBC and CBS have arranged to cover the two outstanding races in May: The Preakness at Pimlico track, Baltimore, on May 9, and the Derby at Churchill Downs, Louisville, on May 16. Clem McCarthy will be at the microphone for NBC. The CBS announcer has not yet been announced.

Major League baseball is to be on the air regularly this season from Chicago, St. Louis, Cleveland, Detroit and Boston. In Chicago, WGN, WMAQ and WCFL cover the home games of both the Cubs and the White Sox, while WBBM follows the Cubs daily. In St. Louis KMOX and KWK broadcast the Cardinal's home games. WTAM is scheduled to describe the Cleveland team's home games; WJR, the games at Detroit, while WNAC will follow the local fortunes of both Boston teams.

IRENE BORDONI AS "THE COTY PLAYGIRL."

(See Cover Page.)

Irene Bordoni, who hitherto has confined her radio activities to guest appearances, has signed a longterm contract to portray the title role of "The Coty Playgirl" in a series of broadcasts over the Columbia network every Sunday at 9 P. M., E. D. T.

A star of the first magnitude on stage and screen, Mine. Bordoni had often expressed a desire to affiliate herself with radio entertainment, and, though many highly remunerative offers were submitted to her, she was unable to select a suitable vehicle.

However, as "The Coty Playgirl," the chanteuse is given a sophisticated setting that affords her ample opportunity to display her charms as a singing and dramatic actress. Each broadcast presents her in a different locale—one of international reputation as a rendezvous for the socially prominent. On one broadcast she is heard entertaining aboard a ship bound for Havana, and later at a popular Havana supper club, singing such typical Bordoni numbers as "So This Is Love" and "Let's Do It."

Appearing with Mme. Bordoni in her first dramatic and singing role on the radio is a specially selected cast of players recruited from the Broadway stage. An orchestra of eighteen pieces, directed by Eugene Ormandy, accompanies Mme. Bordoni's songs and provides the musical interludes.

Irene Bordoni was born in Corsica. She made her first stage appearances in the music-halls and opera-houses of the Continent, where her name soon shone brightly in large electric lights. Her American debut occurred in "Miss Information," with Elsie Janis, and later she was seen with Raymond Hitchcock in "Hitchy-Coo," subsequently co-star-

CHANGES IN SCHEDULES RECEIVED AS WE GO TO PRESS

Literary Digest Topics in Brief, with Lowell Thomas, will be heard only over NBC Eastern stations at 6:45, E. D. T., each week night. A second broadcast for a Western network will be given at 10:15, C. S. T.

Beginning May 9, Tony Cabooch, Anhenser-Busch program's one-man show, will begin a new time schedule, changing from early Monday evening to 10:45 p. m., E. D. T., Saturday. Additional stations have been added as follow: WNAC, WEAN, WCAU, WMAL, WKBW, KLZ, KDYL, KHJ, KOIN, KFRC, KOL, KFPY.

WLEX, now off the air, will return to activity late in April as WAAB, with headquarters at Squantum, Mass., adjoining WNAC.

ring with H. B. Warner in "Sleeping Partners." This success was followed by "As You Were," with Alice Delysia and Sam Bernard, and so marked was her success in this production that she was immediately rewarded with her own starring vehicles. In chronological order they were "The French Doll," "Little Miss Bluebeard," "Naughty Cinderella" and "Paris."

THE MARCH OF TIME.

Dramatization of the outstanding news events of each week forms the basis of the "March of Time" program. In this novel form of presenting current events, a large cast of actors, supported by a symphony orchestra and special sound effects, bring each scene as near as possible to reality. The program varies from other news broadcasts in that it seeks to restore reported incidents to their original forms. News is selected by the editors of "Time," however, on the basis of its importance rather than of its dramatic possibilities, and embellishments for sheer dramatic effect are not indulged in.

The music, which serves as a "curtain" between each episode, is selected and specially scored by Howard Barlow to provide appropriate atmosphere, while each scene is otherwise "set" by a narrator, the Voice of Time, who designates the time and locality, and otherwise prepares the listener for the dramatized news event to follow.

The program really consists of six to ten shows in one, depending upon the number of news events treated with, and a cast of fifteen to twenty people is utilized, exclusive of the orchestra.

At least eleven hours a week are spent in rehearsal—more, if it is necessary to make last-minute changes, due to last-minute news of great importance coming in. The programs raise two major production problems: First, they require extraordinarily complete details from the correspondents who report the items to be presented; second, they require unusual versatility on the part of the director, the cast and the musical director, who may frequently have scant time in which to prepare and rehearse the programs.

No effort or expense is spared by the producers of the programs to make each scene authentic. In one event in which former Gov. Alfred E. Smith was a principal, the actor who impersonated him in the program interviewed him beforehand in order to be able to accurately imitate his speech and manner. In another program a scene in a church in Soviet Russia was presented. In order to create an authentic atmosphere the choir from a Greek Catholic church in New York was added to the Casto. The choir sang for only forty-five seconds, but the mood that was created made it worth while.

For ten consecutive weeks the National Radio Forum, arranged by the Washington Star and broadcast over CBS, will present each Saturday night at 9:30 a member of President Hoover's Cabinet, who will tell the public about the method of operation and problems faced by his respective department.

"Canada on Parade," sponsored by General Motors of Canada, will soon be on the air. Twenty-four Canadian stations and WJR of Detroit will carry this series, making it available to every section of Canada. The program will be of an hour's duration, from 9 to 10, local time, Friday evening, at CKX, CKLC, CFCY, CJCA, CJRW, CKPR, CFNB, CHNS, CKOC, CJGC, CKAC, CFCH, CNRO, CFLC, CHRC, CKCK, CFBO, CJCB, CKGW, CNRV, CFCT, CKY and CJGX, and at 10 P. M. from CFQC and CHNS.



The "March of Time" program over CBS every Friday evening at 10:30 o'clock, E. D. T., presents outstanding news events of the week in dramatic form. In the upper left-hand corner is Roy E. Larsen, vice-president and general manager of Time Magazine, sponsors of the program; in the upper right, Fred Smith, managing editor of the magazine, and creator of the program. At the lower left is Howard Barlow, musical director, and at the lower right, Arthur Pryor, Jr., dramatic director of the program. The center picture shows Director Pryor rehearsing a scene.



GAY, foot-tapping rhythm was wafting forth from the Louis Quinze console, which Mrs. Taylor, indulging her flair for the artistic, had embellished with two Chinese stoles, a bronze Buddha and a flock of china dogs; the radiator was hot and purring like a contented kitten, and Mr. Taylor, who loved his home, his wife and his radio, should have been happy.

But he wasn't. He sat nervous and fidgety, the radio section of the Times upon his knee, and every few seconds turned a questioning and slightly irritated glance toward the superheterodyne, which was the pride of his life and the joy of his evenings at home. As the moments passed the glances became darker and more frequent, the easy-chair creaked ominously, and suddenly Mr. Taylor sat upright and glared at the innocent instrument of entertainment. Throwing down his paper, he exploded:

"Ann, what the dickens is the matter with that music?"

Mrs. Taylor, who had been wholly absorbed in laying out the hands for Tuesday's bridge lesson, turned her blonde head critically to one side, and listened with the professional attitude of Arnold Morgan sitting in judgment on an audition.

"Why, it's just a poor orchestra. They're not on the hook-up," was her verdict.

"It's not a poor orchestra," contradicted her husband, flatly. "It's a big orchestra. They haven't anything like that in local talent. Listen."

There was a bit of patter and a familiar voice. "Didn't I tell you? It's Brokenshire. Of course, it's hook-up, but it sounds like a big, tinpan parade. Do you suppose it's those confounded tubes again? And only last week I paid Harvey \$30 for a complete new set. I thought we were all fixed for a year at least."

Mr. Taylor regarded the china dogs with gloom, and his set with distaste.

"Well, there isn't a particle of bass coming in, and it sounds all wiggly-like and distorted like the picture in the ads," said the feminine critic. "It certainly isn't good radio. Why don't you try another station?"

"Station was all right last night. I'm going to call Harvey and make him come over and hear it. He's been stuck with some bad tubes, and I'm not going to put up with this kind of—"

"Little White Lies" came to a dismal climax with a jangling of piano chords, and the disgruntled set-owner cocked his ear for the announcement.

"Ladies and gentlemen, this program of Hamm's Harmonists has come to you by means of an electrical transcription."

"Ha!" snarled Mr. Taylor, as he advanced upon the instrument with the stride of a grenadier. "So that's it, is it? Phonograph records! Well, goodbye, station, we're going away from here." He spun the dial viciously. "Any time I want to spend my evenings listening to canned music, I'll get KWKH, but I didn't expect it from an old reliable like you. Of all the confounded nerve!"

In came a small studio orchestra, but the soft wail of the 'cello, the sonorous thump of the bass viol were all as perfect in tone as though the orchestra were encamped upon the Taylors' davenport with the leader in the Cogswell chair.

"There, now, that's more like it," and, with a

grunt of relief, Mr. Taylor resumed his paper, while his subconscious was soothed by the soft melody and the knowledge that all was right with his world. Some time later he startled Mrs. Taylor so that she dropped her cards, by hissing, apropos of nothing: "Phonograph records!"

Should you perchance sit in your house by the side of the road with a weather ear alert for the reactions of Mr. Taylor and his brethren of the fraternity of radio listeners, you will be conscious of a growing rumbling of disapprobation in regard to what seemed, on the face of it, a grand and glorious idea. Half an hour's entertainment, planned by program experts and presented by wellknown artists, all complete and recorded on a huge disc which may be sent hither and yon across the land, sounds like an ideal solution to problems of station managers and feature sponsors alike. But, in spite of the fact that they are dressed up with the new cognomen-electrical transcriptions-any one with his ear to the ground knows that to the seasoned listener they are still phonograph records. For some reason this stubborn fraternity doesn't seem to agree with Mr. Thorgersen, who, on Saturday nights, is so fond of reminding us that "gone are ancient prejudices,"

In fact, the attitude of the nonconformists is very similar to that of the precocious child who was responsible for the historical utterance:

"All right, have it your own way. It is broccoli. But I calls it spinach."

Even though the transcriptions are more perfect mechanically than the one which so excited Mr. Taylor's wrath, and occasionally one hears a reproduction that only the most sensitive car can distinguish from an original presentation, the prejudice is there, doubtless a hangover from the days when records were the stand-by of the small, unimportant station, and were played over and over until threadbare. However, there is another angle that seems to voice the objection of the majority who have become accustomed to the prodigal talent of the great chains.

Mr. Taylor succeeded in getting himself tremendously stirred up on the subject, since immediately following his evening of annoyance he chanced upon several articles dealing with the great possibilities of the future of canned radio programs, and feeling that the whole structure of organized broadcasting was about to tumble about his ears, he took the time to pay a visit of protest to Johnny Fisk, radio editor of the *Times*.

Johnny, unfortunately, was young, inclined to

be enthusiastic over the big discs, and immediately struck the wrong note.

"Why, man," he said, "it's marvelous. It's going to revolutionize radio. Now, take the small stations—"

"No, you take 'em. I don't want 'em," said Mr. Taylor, sourly. "It's when I tune in on stations like WJR, WSB and WLW, and find them all grinding out records at the same time, that I want to know what we are coming to."

"But, Taylor, it's the same thing."

"Yeah, same thing, only different. Don't you know it's the human element in radio that has made it what it is? And while we know our chain programs are rehearsed and timed to the second, they still manage to retain the spontaneous and impromptu attitude that appeals to the listener. I'd like to know where all the personalities of radio would be to-day if we had come to know them by means of records. Take dear, lovable, stuttering Roxy, for instance. Can you imagine canning him and all his funny little grunts and asides on a record? Why, back in the old Capitol Theater days that's what we listened for. It wasn't his entertainment, fine as it was, that drew thousands to him, it was the personality of the man that got over in his intimate little chats. If this thing goes on, the future generation won't know any more about the world of broadcasting than they do now about the legitimate theater.'

Mr. Fisk rubbed his nose reflectively and said:
"I see there's something to your argument. I'm rather young at this game, and don't get the slant on radio personalities that you chaps have who have been tied to your sets for the past five or six years. You probably know more about these people than I do."

"I think I do, and I'm proud of my judgment," said Mr. Taylor, firmly. "Getting away from records for a minute, though it fits in with the argument, do you know it's surprising how many of the radio entertainers whom I once regarded as my private property have gone to the top? And every blessed one of 'em attracted me by some little personal quirk that made me hunt them up when no one else seemed to have heard of them.

"Here's Gene and Glenn, who just went on the hook-up this past winter. Of course, Ford and Glenn were known for years. But take this man Gene. I first heard him down at WLW when he was part of another team, and I had quite a time convincing my wife he was doubling as Jake. He used to go out to the ball games with the announcer, and it was Jake's comments on the players that convinced me he was a real humorist. But when I look back I remember that nobody else seemed to think that boy had anything.

"And way back years ago, before stock-market crashes and hard times, I got all steamed up over a chap playing piano at WJR. He was part of a team, Little and Small, and before long I was scurrying around the dial listening for that unusual touch on the keys that meant Jack Little. And now he's a chain artist.

"I even take credit for discovering Rudy Vallee in our circle. It was months before a line had been printed about him that I heard him one night broadcasting from a night club. It was his announcing that caught me first, and I was a month finding any one else who had heard him, or recognized that there was something different there.

"Oh, yes, I almost forgot Bill Munday. I'm proud of my judgment there. I'm a long way from Atlanta, but I've always liked that station, and one night I caught this Southern drawl broadcasting a Georgia Tech game. I stayed by till I heard his name, and told my wife I had discovered a new football announcer. Ann said it was just that I liked Southern voices, but I said: 'No, he's

got what McNamee has. He's so bubbling over with excitement and enthusiasm himself, he manages to get it over to the listener, and, besides, he knows football.' And when years afterward the unique Mr. Munday turns up as an NBC star, I am just as pleased as though I knew him personally. And there are a dozen others of national prominence that I've known since the days of crystal

"I think I see why you feel so strongly in regard to electrical transcriptions," said the editor. thought at first you were a delegate from the musicians' union, but it is apparently the humaninterest side of radio that appeals to you."

"Not altogether. I'm fond of good music, and play the violin a bit myself. I'm one of these happy persons with a catholic taste that can enjoy anything-so long as it's good-from slapstick to opera. I'll give you the records for soulless things like symphony orchestras. One doesn't expect an oboe player in a symphony to get over to you the fact that he's a Sigma Chi, and would be a nice chap to have to dinner. Personally I don't think I'd like an oboe player. But my point is that each of these features that have made good got to me originally by projecting a real flesh-andblood personality in a spontaneous manner over the air. And you can't do that by mechanical methods."

Mr. Fisk tuned in the local station on the office set by his desk. To his great joy they heard the unmistakable voice of Rudy Vallee singing "Deep Night."

"Now, I ask you," he demanded, "can you or anybody else tell me whether that is Rudy or a record?"

"Sure," answered the obdurate Mr. Taylor. "It's ten o'clock in the morning, and Rudy's still in bed. Besides, it might be Will Osborne. But I won't argue with you. I still calls it spinach."

pipe for the



HISTORICAL offenders are being returned to the bar of justice in the new Famous Trials of History series, which was inaugurated late in March. The trials are broadcast each Sunday night from 10:15 to 10:45, Eastern Daylight Time.

The series opened with a hearing for Benedict Arnold, condemned by generations of Americans as a despicable traitor, with Clar-Americans as a despitable traitor, with Clarence Darrow defending the traitor. The prosecution was conducted by James M. Beck.
The second notorious character of history to face the radio jury was Napoleon Bona-



parte, accused of the murder of the Duc d'Enghien. Arthur Garfield Hays acted as prosecutor, and Dudley Field Malone defended the Corsican, and a distinguished group of Congressmen, jurists and private citizens acted

The trials are conducted in the NBC Times Square studios, and are broadcast over a net-work associated with WEAF. Other historical personages who, it is expected, will be retried in the radio series, are Issee James, Captain Kidd, Joan d'Are, Marie Antoinette, Captain Drey-fus, Lord Fssex and many others.



Week maneuvers, will explain their purpose from a military viewpoint over NBC hook-ups. Local stations will carry stories of Chicago, Boston and Philadelphia demonstrations.



UNDER the leadership of Arthur Pryor himself, the Cremo Military Band-thirty-two pieces strong-brings a fifteen-minute program of martial music via radio through more than sixty associated CBS broadcasting Over the air comes a roll of drums-

twenty words of advertising talk-another ruffle by the lad with the drumsticks, and instantly a band cuts loose with the well known strains of Sousa's "High-school Cadets."

Hear those brasses! How the piccolo cuts growl of the bass drum below it all! Unconsciously you straighten up, your shoulders go back, your chest comes out. If you had with you now that chap who tried to trim you on a business deal to-day what you could

on a business deal to-day what you toning do to him! But there's another day coming and you don't feel tired any more.

That's an epitome of what Arthur Pryor's Cremo Military Band is doing for America vix nights a week over the WABC-Columbia coast-to-coast network. Martial music played by an unsurpassable band was what the client called for, and thousands of listeners are writing in to say that's what they are getting, and that for them it's a radio tonic.



Regional Views and Reviews

Ramblin' Roun' Radiolan'

With the Red-headed Music Maker

CINCINNATI, O.—Hello, Folks! How are you all this evenin? Been hoppin' 'round like a Mexican jumpin' bean lately—hither and thither, mostly thither! Left Hot Springs for Chicago, then Detroit, St. Louis, and now down here—Cincinnati—a magic name, a hap-

py, music-loving people, a great city!
I came here for the first time in show business in 1917, appearing in small-time vaude-ville with my own act, "The Singing Xylophonist," at the then very old Empress Theater out on Vine Street. Recall stopping at the Stagg Hotel and eating every evening meal that week at a chile parlor near the theater at ten cents a meal (five cents for the hot dog and five cents for the bowl o' chile). Came back a year or two later at the same theater with the same act, but "chair-carred" it in that time as a member of a burlesque company. Then came radio, and in I came again, appearing this time at the gorgeous U. S. Playing-card Station, WSAI. Immediately dubbed it "The Pinochle Palace," for it was a palace compared to most studios in those days. Six months or so later buzzed in again, to camp this time at Crosley's WLW. Believe it was this trip that Powell Crosley gave me his own personal portable Crosley set to carry away with me in my ramblins. In and out of this radio-interested city so much at these two studios during the early days of radio that I kinda lost track—in and out on business, too, for this is the home office of Wurlitzer's and used to be of Brunswick. Many, many personal appearances in Victor and Brunswick stores autographing records—one personal ap-pearance at Pogue's with one thousand folks in the audience and five hundred more trying to crowd in. Once again at Pogue's with the same results. One personal appearance at Mu-sic Hall with over three thousand fans coming out to see me. Then topped it all off about two years ago by headlining the then brandnew E. F. Albee Theater, one of America's finest theaters, appearing that week to an estimated seventy-five thousand radio fans. How

timated seventy-five thousand radio rans. How can I help loving Cincinnati? It's been mighty good to me. Yes, suh!

Cincinnati's been good to a lot of folks.

There's Haven Gillespie, one of America's greatest song writers, who halls from Covington, across the river. Little Jack Little has his home out in Hyde Park. Ben Alley and Helen Nuestr. CBS artists are Cincy home. helen Nugent, CBS artists, are Cincy home folks. Jerry Litchkoff, pioneer radio editor, still on the Post. Paul Greene, now the CBS genial "old master" on things technical, built the original WSAI station, managed and announced there, for several pioneer years. Then there's Fred Smith, one of the greatest radioidea men this country has produced. One can't think of radio Cincinnati without thinking of Fred. He was manager-director-announcer of WLW for five or six pioneer years. WLW can thank Fred Smith a lot for the po-sition it now holds. Fred has continued to do big things in radio since leaving Cincy. Connected with Time Magazine, he originated and produced "Newscasting" and "Newsacting" for them. Then just a week or so ago came the new "March of Time" program over CBS, a dramatization of memorable events of the week-a new kind of reporting of the news. Of course, Fred originated the idea, worked it out and writes the entire show. It will make radio history—watch it! Fred, too, worked with me during 1929 on the Majestic Hour, and was responsible for much of the continuity, publicity and ideas that made this hour outstanding. Yes, and Cincy is the home of WHAT'S ON THE AIR-we won't is the home of Wild's on Tile Alle-we won't forget that! Likewise, we can't forget that one of America's greatest individual stations, WLW-WSAI, the home of the Crosley set, is in Cincy. Overlooking the hills and covering a full floor atop the Crosley plant this powerful station is a beautiful workshop, It is one of the most efficiently laid-out plants to date—thanks to Joe Chambers, the plants to date—thanks to Joe Chambers, the twenty-seven-year-old technical supervisor, who installed the 50,000 Watt Transmitter. Ralph Haburton, the pioneer of the station, tells me that Seger Ellis has just joined the staff—that "Salt and Peanuts" are popular (it used to be Salt and Pepper in vaudeville, but

Salt became attached to Peanuts. That left Pepper out in the cold, and put Peanuts "in the bag." Then the old Salt married Peanuts, and they've been stickin' together ever since). That Don Becker, of the Continuity Staff, is the last word on playin' a ukulele, and his new the last word on playin a usuele, and his new "Rhapsody for the Usuele!" makes one's Rumba blood boil. The McCormick Fiddlers, Bradley Kincaid, Glenn Sisters, Brooks and Ross and "Old Man Sunshine" are all goin' great and saturatin' the ether plenty from the "nation's station." More power to 'ent!

great and saturatin' the ether plenty from the "nation's station." More power to 'en! By the way, the radio pillow has arrived, intended mostly for hospitals and Pullman cars. Still it will come in mighty handy for the auto tourist in "Mood Indigo" on his back under his broken-down calliope forty miles from nowhere, gettin' a "Cheerful Little Lar-full" as he gets his tearful livela outo'll. as he gets his tearful little eyefull-Awful! Surprising how backgammon and "games" have cut into the sale of playing-cards. The times do change, and one must change with them. Hairpins and hairnets are selling strong again. Talked to a bird the other day that admitted he was one of the chosen few who could listen to the radio and chosen rew who could listen to the radio and read at the same time. No foolin'; in the con-versation he said, "Why, sure; now, last night, for instance, I was listenin' to Amos 'n' Andy and readin' the funny paper at the same time."
Was in the Chicago office of the Broadcasting was in the Catago omee or the producting Checking Bureau talking to Nate Caldwell a few days ago when a fellow across the hall "goes snap" and tries to throw himself out the window. The same day a bum comes to

the back door and the maid gives him a chunk o' apple pie. I go by the door just in time to hear him crab, "Who ever heard o' servin' apple pie without some cheese?" Depression is evidently bringing on a stack of Prosperity evidently bringing on a stack of Prosperity Model Bums. The biggest song hit in the country to-day, "When Your Hair Has Turned to Silver I Will Love You Just the Same," written by Peter DeRose as a tribute of honor to May Singhi Breen, who is Mrs. Peter DeRose Breen in private life. I'm surely tickled about it, 'cause I presented Breen and DeRose on the air for the first time as man and wife. In some of these new color selections. and wife. In some of these new color tele-vision sets you can't tell whether it's "The Stars and Stripes Forever" or the announcer's necktie. The field is now ripe for "Spot Broadcasting in Person." With the proper advertising and publicity local tie-up, and with the right national radio personality, the results are measured and unlimited. Musicians around St. Louis aren't makin' rehearsal notations of medleys in their date-books any more. Bill Jones, a 'cello player, had domestic trouble. The big blow-up came when she, in rummaging around his personal effects for evidence, found this notation in his date-book: "April 4-Margie'-then 'Black Eyes'-then back to last eight bars."

Well, here's the results of that impromp unpublicized broadcast of mine from KTHS that I told you about last month from thirty-eight States, five Provinces of Canada and Hilo, Hawaii. Arnoux won the bet, but I'm still happy! Plenty for now. I'll be seein' you next month with a little R-Tickle about Detroit. So until then, see you pretty soon—pretty soooon—pretty so-o-o-o-o-o-n. Nite Owl.

Sincerely,

WENDELL HALL.

World's Fair Radio Center

Joseph Ator's Chicago Radio Chatter

THE theme song for the wise-cracking Ben Bernie and his orchestra properly should be "The Anvil Song." For Papa Ancel—that's Ben's real name—swung his sledge in a blacksmith shop under Brooklyn Bridge on New York's roaring East Side. Grandpa Ancel had been a blacksmith before his son, and for three generations before him the sturdy arm of an Ancel had tended the village forge in the family's European home. It was in that caenohony of classing steel

It was in that cacophony of clanging steel and rumbling traffic overhead that young Ben put bow to his first violin. That he reis a matter of doubt, for the worthy black-smith had other ambitions for his son. He intended him to be an engineer.

He very nearly accomplished his plan. Ben went to the Columbia University School of Mines and Engineering and to Cooper Insti-tute, and it was not until he ran into calculus that he decided that he'd rather spend his life deciphering musical scores than quadratic

So at seventeen we find our hero demonstrating 54.98 violins in a New York de-partment store, explaining, as he did so, to slightly baffled prospective customers, that if his music annoyed them, he suffered even more himself. A vaudeville booking-agent chanced to hear his patter one day. He persuaded Ben to try out at an amateur night in a neighborhood theater, and subsequently gave him booking over a long string of onenight stands.

Ben started out to treat his audience to Ozark opry-house cured him of that. The young musician was in the midst of a difficult selection when the mountaineer, a rude fellow with no regard for the finer things of life, loosed a stream of tobacco juice with deadly accuracy from a box, which landed with a resounding "tunk" on the bridge of with a resource Ben's fiddle.

He walked off the stage in a rage. Then he walked out the stage. It is rage. Then he walked back and told the mountainers what he thought of him. As he soared into the higher realms of irate fancy in his description of the yokel's shortcomings, the house roared with glee. That convinced Ben that some one else could uplift the musical taste of America. He set out to amuse it by droll comment on its foibles, using his violin thenceforth much as Will Rogers long used

He climbed up to the "big time" of vaude ville. His partner on that climb was Phil Baker. They played together from 1910 until the war separated them. Then he got a new ambition when he heard Paul Whiteman lead his orchestra at the old Palais Royale in New

He organized his own band. national reputation at the Hotel Roosevelt in New York. Last fall he came to Chicago in New York. Last rail no came to Chicago to open the new College Inn, a night club which had seen Isham Jones start on the road to fame in an earlier day.

Within a month, Bernic had become an institution in Chicago night life. In addi-

tion to his nightly broadcasts—WBBM—he is on the Columbia chain at 10 P. M. (C. S. T.) every Thursday.

WBBM and its newspaper affiliate, the Chi-cago Illustrated Tinnes, staged a radio spell-ing-bec recently with the microphone set before the young contestants.

Candidate for the Believe It or Not Club-Leon Bloom, distinguished planist and leader of the Columbia Farm network concert or-chestra, who named his daughter May Blossom

Frank E. Mullen, director of agriculture for the National Broadcasting Company, re-cently was given the added duties of adviser on all religious and educational programs originating at the chain's Chicago head-

The speech department of Purdue Univer-sity at Lafayette, Ind., has been conducting a radio drama contest along the lines of the conventional play contests. N. B. C. officials, who declare it is the first attempt within their knowledge to enroll amateur writers of broadcast sketches in competition, have arranged to broadcast the winning play over

WGN conducts a "Port of the Missing" WGN conducts a "Port of the Missing" every noon for persons whose relatives have lost trace of them in Chicago. One of the hardest tasks of the studio hostesses is ex-plaining to forlorn urchins and doting dowagers that lost dogs are not eligible for the program.

Bobby Griffin, KYW announcer, recently ballyhooed over the air some civic pride statistics to the effect that the average Chicagoan has only about one chance in four hundred, or some such figure, of being held up during the year. A bandit "rook" him for \$50 that same week.

Alma Sioux Scarberry, newspaper woman and fiction writer, is the author of a serial radio play which WENR, new N. B. C. outtetin Chicago, puts on the air at 8:45 p. M. Tuesdays and 8:30 p. ss. Thursdays, for fifteen-minute periods. The play, "Girl Re-porter," is based on Miss Scarberry's adven-tures as a newspaper "sob sister." It may go on the chain later.

The fellows who heaved the grapefruit at In tellows who heaved the grapetrust at Rudy Vallee might take a second thought before casting anything in the direction of Arthur Oberg, who has, in common with Rudy, at least a tenor voice and blond hair. He stands six feet four inches, weighs 235 pounds, puts the shot, is a broadjumper, a gymnast and a clever basket-ball player, and spends his Sunday mornings in the choir-loft of the First Congregational Church at Evanston, Chicago suburb. He is on the air from 11:15 A. M. to noon each Tuesday over

Alma Tramontin, who sings leading roles in the Kraft Theater Party over WMAQ from 8 to 8:30 p. m. every Thursday, received her first training in voice in an Alaskan convent. She was born in Juneau, her father's headquarters in his profession

as a mining engineer.

He sent her to a convent near the town, and during the long, cold winter evenings one of the nuns discovered that Alma's voice had unusual qualities. She renewed her vocal studies with enthusiasm when she came to the continental United States a few years ago, and, following experience in light opera and on the concert stage, entered radio work.

Charles Sears, who plays opposite her, spent his boyhood at Rantoul, Ill., where his father is an instructor in aviation at the army flyingis an instructor in aviation at the army flying-school. Coming to Chicago as a young vocal student, he wondered why so many charming ladies and distinguished-looking gentlemen bowed to him on Chicago's Michigan Boule-vard. Presently he discovered on meeting Mario Chamlee that he was a double of the famous star of the Metropolitan Opera Com-

Chauncey Parsons, who sings on the Farm and Home Hour and other N. B. C. fea-tures, claimed the title of radio's church-singingest tenor. Here is the roster of de-nominations for whom he has sung at one time in his career: Methodist, Presbyterian, Roman Catholic, Baptist, Christian Science, Congregational, Friends, Christian, Episcopalian and Jewish synagogues.

He sang in Billy Sunday's revival shows and on the stage in "Artists and Models," where he took the parts of a cantor and a cardinal in a sketch based on the history of music. He went overseas during the war, where he earned the title of the "John McCormick of the A. E. F.," and returned to break into radio in the well-nigh prehistoric days at KDKA in Pittsburgh.

He includes at least one hymn or sacred song in each of his Farm and Home programs, and that number always brings him his bigegst batch of fan mail, much of it from the members of congregations for whom he has sung, scattered from Pueblo, Col., his boyhood home, to New York City. He continues his church work too.





CAPTAIN BEAN and COLONEL COFFEE, the "Two Oldtimers" at WTMS, are favorites in the Milwaukee station's area.



THE ANNOUNCERS AT WGAR, CLEVELAND—Fred Borgerhoff, Fred Ripley, Bernie Strang and Steve Cisler (from left to right)—display the quality in their faces which is making WGAR known as "Cleveland's Friendly Station."



A. ASHCRAFT is the popular hostess at WCKY, Covington, Ky. Moreover, she is that station's wellknown "Crinoline Girl," heard Mondays at 7:45.



THE ILIMA ISLANDERS, staff Hawaiian troupe of Station WTIC, are foremost exponents in radio of the music of their native land. Here is hoping that some evening the WEAF-WTIC synchronization will flow reversely, and the Islanders will be heard on the chain.



THE JOHNSTON MINSTRELS are a headline feature of WTMJ, but unfortunately their May schedule is not yet available.

looking through the Studioscope

One of the advantages of living on Long Island is that on one side of the island you can see the sound, and on the other hear the sea .- New York World.

"I once knew an artist who painted a cob-eb on the ceiling so realistically that the

maid spent hours trying to get it down."
"Sorry, dear, I just don't believe it."
"Why not? Artists have been known to do such things."

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"Yes, but not maids!"-Selected.

Frank Knight's verbal Waterloo, in the form of the phrase "tawny tiger," came recently as he was enacting his role in Columbia's "Arabesque." The usually precise Knight's "Arabesque." The usually precise Knight's tongue slipped and the words emerged as "tiny "! Which recalls the fear of Alex-Wollcott, "Early Bookworm," that he should some day refer to himself as "Burly Hookworm."

Pierre Brugnon, Evening in Paris master of ceremonies, has, within a comparatively short time, won for himself a following on the air which, at times, threatens to surpass even that of the renowned Chevalier.

Brugnon is a tenor. He is also a delightful Frenchman, despite the fact that he wasn't born in France!

Why "de spite"?

One of the oldest orchestras on the WABC air is that of Harry Tucker, who, before coming to New York, won fame in Florida for his unusual orchestrations for string instruments.

Harry plays regularly from the Hotel Barclay, and claims the record of being the oldest WABC band playing from a remote point (away from the studios).

EXCELSION!

He was a tall, gawky young man, who had come to Columbia studios seeking an audition. He was turned over to Minnie Blauman, who sometimes arranges such matters.

"What do you do?"
"I'm a tenor," the young man told her. "I'm the highest tenor in the world. I sing better than some, and not as good as most, but I sure sing higher!"

P. S .- He didn't get the job.

THEY LIKE THE BANDS.

The wisdom of the sponsors of Arthur Pryors' Cremo Military Band, which is heard six nights a week at 8 o'clock, over CBS stations, is revealed in the results of a questionnaire sent out by the United States Office of Education. It was addressed to schools in twenty-five States. Pupils were asked to check the type of radio music they most enjoyed, whether band, orchestra, voice or piano. The ratings revealed by the replies were: Band, 100 per cent.; orchestra, 97 per cent.; voice, 92 per cent.; piano, 80 per cent.

When friends asked Marion McAfee, Columbia soprano, how she could nerve herself to undergo an operation (as she recently did) with only a local anasthetic, and with her eyes open. Marion replied: "After what I've watched in hospitals, that

What do you mean, 'watched in hospitals'?"

they asked.

was nothing.

Whereupon Marion explained that she had trained to be a nurse, and was midway through her apprenticeship when she decided she would rather sing for her living.

Ernest W. Naftzger, impressario of Colum-bia's "Something for Every One" broadcasts, has just celebrated his second anniversary on

Statistics supplied by Naftzger indicate that

he has given away more coffee and cake to early morning radio artists than any one else in the broadcasting field. Among other things Nafezger reports that the artist traffic between kitchen and studio (he has his own broadcast-ing studio in his East Sixty-seventh Screet home) has been so heavy during the fiscal twenty-four months that he has had to replace linoleum three times.

Following his anniversary broadcast an ar-dent radio fan wrote Naftzger:

"Congratulations on your anniversary. Your program is fine and your jokes are getting worse fast."



When Otto Gray parades his Oklahoma Cowboy band before the NBC microphones, he brings the "real McCoy" in Western enter-The group was organized in Stilltainment. water, Okla., seven years ago, and made its radio debut through KFRU, Bristow.

SHOOTING STARS.

Announcer Don Ball is a bear for exercise: hatless, Ball runs, rather than walks or taxies, to remote points from which Columbia broadcasts. Freddie Rich, the orchestra leader, taxies any distance more than half a city block. Norman Brokenshire prefers walking unless his own car is near by. Ted Husing just adores taxis. He once took one from the Columbia studios to the Forest Hills tennis stadium!

Summing up: a majority of radio artists, announcers and other performers have established homes or apartments within a few blocks of the studios. Eighty per cent, of them hate to travel any great distance (five blocks to fifty miles) during radio series, fearing they will be late for a broadcast.

Irene Bordoni, piquant French comedienne heard in the role of "The Coty Playgirl" over CBS Sunday nights, is thrilled over her new venture.

'It eze zo wonderful," she exclaims in her tle eze zo wonderful, sne excisims in her delightful French accent, "I hope zat ra-deo will like me in ze same beeg way I like ra-deo. I've never before done thes dramatique part before thes 'mike' of yours." Miss Bordoni's entire personality is distinctly

and typically Gallic. In her home she speaks only French.

When she travels she takes her entire staff when she travers she takes her entire stati of servants along. She owns three luxuriously appointed homes—one on East Seventy-eighth Street, just off Park Avenue, another in a Paris suburb, and a third on the Riviera. It took her five years to completely furnish her New York residence. She is actually a home body, and dislikes appearing in public.

Last week, as Jesse Crawford was leaving the photograph atudies with Mrs. Crawford and Darlene, their daughter, who is eight and very, very observing, the group passed by the Paramount Theater, and little Jessie recognized a huge painting of her daddy on the billboard. She scrutinized it for about two minutes and then, jumping up and down and clapping her hands in the midst of a typical Square matinee crowd, screamed at the

top of her voice:
"Looka daddy, looka daddy, he's all sun-burned in that picture!"

And when the crowd discovered that the entire Crawford family was in its midst . . . well, the elder Crawford was all "burnt up" out of the picture.

"Gee, I wish I was that Lombardo fellow!" young girl sitting in Studin 5 of the Columbia Broadcasting System was heard to re-mark just as the popular dance orchestra maes-tro concluded another of his Robert Burns

If you were Guy Lombardo, little girl, you would get up at ten in the morning; begin rehearsing new selections by eleven, and continue rehearsing until three or four in the afternoon. After a possible three or four hours for matters of business, you would spend maybe a half-hour dining; rush into your evening clothes and to the Hotel Roosevelt to play until about two o'clock in the morning. With this routine varied on Monday by ris ing at eight instead of ten, and with the inclusion of the Panatela broadcast.

And, little girl, do you still wish that you were that Lombardo fellow?

It is common enough for a broadcast to receive congratulations after it has occurred, but there is an element of news in the reception of close to thirty congratulatory telegrams prior to an official premiere. That happened in the case of "The March of Time," a new Columbia feature. An audition that all of the stations of the network in the afternoon with audiences limited to station persound, newspaper men and other guests in the various cities. The telegrams, most of them from radio editors, were received before the first real broadcast of "The March of Time" went on the air.

"The March of Time," incidentally, needs the service of twoscore actors and technicians in addition to a symphony orchestra. Rehear-sals for the program, which is sponsored by Time Magazine, consume almost twice the usual time because of changes in the continuity necessitated by inclusion of last-minute news happenings.

In April, WTIC received six letters acknowledging reception from fans in Paris, France, and that one day's mail contained twenty-six letters from people who had heard WTIC programs in New Zealand. That's thirty-five hundred miles castward and eight thousand miles westward.



Studio Hostess-Now, Matilda, I want you to show us what you can do to-night. have a few very special guests coming in for a musical evening.

Maid—Well, ma'am, I ain't done no singin' to speak of for years, but if you-all insists upon it you can put me down for "The Holy

Studio story-telling is occupying the time of radio thespians at Columbia System studios these between-program times.

Tom Tarrant, the noted "blackout" theatrical writer, whose "gags" and stories have been dramatized for Earl Carroll's Vanities and Shu-bert Shows, is now producing the "minute dramas" for the Tuesday night Henry-George half-hours.

Tarrant has been telling the one about the lady in the department store, who for half hour had the clerk pulling down from high shelves hundreds upon hundreds of varied designed and colored blankets. Finally the clerk piled upon the counter all but the last blanker

Why, there's one blanket left up there." the customer complained.

"That is exactly the same as the one I showed you with the blue border. Now that you've seen all our blankers, which one do you wish to buy?"

"Oh, I'm not going to buy; I'm just look-ing for a lady friend of mine," was the reply, "Well, madam," replied the clerk, "if you really think your lady friend is in that last

blanket up there, I'll take it down for you!"

In his spare time Nick (Daddy) Dawson, of Columbia's clever skit, "Daddy and Rollo," does a hit of portrait painting. He says that although he's been trying for years, he has never been able to play an ocharina or do card tricks, although he could sing if his friends around the studios would only let him. They

never have, and late reports indicate that they never will.

Once he took a job as scenery painter with a group of barnstormers. They lost one mem-ber of the cast by the wayside (he married a farmer's daughter, or something, Nick says), and Nick suddenly awoke one morning to find that he was an actor.

Two years later Dawson gave up acting to become the press representative for a circus, which finally led to the advertising business. The World War ended this career, and between trenches Dawson found time to produce shows for the doughboys, which flourished an tinued until Dawson was badly wounded.

Lee Morse's voice is as big as she is small. She weighs sixteen ounces less than a hundred pounds. She was born in Tennessee; raised in Texas, while her father has a parish in Allen, Okla. Her parent, the Rev. P. J. Taylor, is one of the eight original "Texas Rangers"—only three survive. For two years Lee Morse herdlined the Paratrees Grount with Lee Morse headlined the Pantages Circuit without a single week's layoff. Appeared oppo-site Raymond Hitchcock in "Hitchy-Koo," and later was featured in "Artists and Modand later was featured in "Artists and Mod-cls." An exclusive artist with the Columbia System, she is heard with the Van Heusen program every Friday. Has written over two hundred songs, including "The Tune that Never Grows Old." Excellent guitar strummer. In spare time she fabricates poems and short stories. Takes daily horseback rides. Reads books until 3 or 4 a. M., and then sleeps until noon. Has keen sense of humor. She is too impatient to sit in a card game. Her favorite actress is Greta Garbo. Has made over 235 phonograph recordings. She speaks any number of Indian dialects.

Did you know that:-

Norman Brokenshire, the "it" announcer, is back in New York following many weeks of Florida-Havana sunshine?

You shouldn't miss Harry Salter's special medy arrangement of "All the King's comedy arrangement of Horses"?

Guy Lombardo rehearses his Robert Burns Panatela Band all afternoon Mondays? The "Shadow's" new studio disguise ac-tually frightened some of the guests last Thursday in the Detective Story half-hour? Chester Tallman, the baritone, is six feet

two inches tall? A listener has requested that "A Peach of A Pair" be played on the Sunkist Musical Cocktail broadcast which comes from Los Angeles over Columbia. The program cu-

riously is sponsored by the California Orange-growers Exchange? Brad. Browne, he of the Premier Chefs, writes more than fifty original songs each

Lorna Fantin, Old Gold Character Reader, is only twenty-four?

Ted Husing is so fidgety that he can not stay in one place longer than ten minutes unless he's broadcasting?

Ninety per cent. of the announcers you hear have to read what is prepared for them by somebody else?

Herbert Glover, director of CBS Remote

Fronte first ince to start of the start of t

Mary and Bob, radio's original sweethearts, have written a book about themselves?

Ida Bailey Allen has her own set of studios at 1819 Broadway, which are sufficiently large to satisfy any ten small broadcasting stations?

California broadcasts piped to you locally influence of the wires which carry them three

thousand miles? Charlotte Harriman, known to a wide publie through frequent appearances over Colum-bia stations, collects old silver as a hobby?



Eddie East and Ralph Dumke, NBC's Sisters of the Skillet, weigh almost five hundred pounds between them. Each tips the beam at a figure far in excess of two hundred.



Frankie Pincro, NBC violinist, featured with Breen and de Rose on Radio Luminaries, was a star sprinter in his school days.

She-Have you ever had a lesson by corre-

He-You bet! I never write to women now.

The tubes in the new WEAF transmitter at Bellmore, Long Island, cost approximately \$1,700 each. Each tube is half encased in copper. 150

There are more than one million pieces of music, many of them special arrangements for various instrumental and vocal combinations, in NBC's musical library in New York.

Gertrude Berg, author and leading woman in NBC's "Rise of the Goldbergs," is one of the few nationally celebrated radio stars who are natives of New York City.

Homer Smith, top tenor of the Southernaires, NBC's negro quartet, featured in Southland Sketches, is a nephew of W. C. Handy, father of "St. Louis Blues" and other famous blues songs.

The judge had pronounced sentence of execution. "You may be granted any one wish before you die," he said.
"All right; Oi want to larn Chinese," re-

plied the Irish prisoner.



C. Browne, originator and producer of Hank Simmons' Showboat series, admitted to your columnist yesterday that the nearest he'd been to a real honest-to-goodness Mississippi showboat was half a mile. That was fifteen years ago, and he had to climb a tree on a hill to see it.

But then, Dante wrote "The Inferno" without having seen it.

The Boswell sisters, purveyors of hot, vocal harmonies, who recently came to New York from the NBC San Francisco studios to give Eastern listeners a taste of their Deep South singing, started out in life as a classical string

"And what would I have to give you for just one little kiss?"
"Chloroform."

Falber (to Ikey)-Vat is another word for snake, wid five letters?

Ikey-A viper. Father-You silly! That's a handkerchief.

Charles Tramont, NBC talkster, who has long been identified with Phil. Cook's pro-gram and other well known features, is the latest of the announcers to acquire an execu-tive's job. Tramont is now an official in NBC's program department.

Me Miss Bertha Brainard, program manager for NBC, entered radio as an artist. She was WJZ's dramatic critic in 1922, and each week sent to listeners a summary of the current theater called "Broadcasting Broadway."

Sponsors of the Mobiloil program, heard weekly through NBC channels, have ambi-tious plans for a summer series. The plans include weekly recitals by Gladys Rice, so-

Professor Boreleigh (apologetically)-If I have talked too long it's because I haven't my watch with me, and I saw no clock in this studio.

From Control Room-There's a calendar behind you.

PRESERVING THE SPECIES

"I sincerely hope it will be a boy this time," said the pompous little man, "for it would be a thousand pities if the name of Smith were to become extinct."—Tit-Bits.



Lady-Have you ever been offered work? Tramp-Only once, madam. Aside from that, I've met with nothing but kindness.-Christian Science Monitor.

Although she had been traveling steadily for almost two months, Madame Ernestine Schu-mann-Heink, NBC operatic counsel, left New York for California immediately after the Roxy Tour had concluded late in March.

The featured artists of the morning Campbell broadcasts through NBC networks include Lew Conrad, novelty vocalist, and Andy Sannella. The program is noted among lis-teners as the "night-time feature of the day."

Phil Cook's "Eddie"-Why is Mabel so an gry? Phil gave a full account of her wed-

P. C.'s "Abner"-Yes, but he said that Miss Blackwell was married to the well-known collector of antiques.

PAGE TELEVISION!

"See that girl there—hic? Well, she's a tr. She told me she had two brothers and one sister—hic—and I just asked her brother, and he said—hic—he only had one brother and two sisters."

Andy Sannella, orchestra leader and solo instrumentalist, heard on many NBC programs, finds time to be a radio amateur after his musical day is done. Sannella owns a shortwave radio station, and is in almost nightly communication with many far-flung corners of the world.

Billy Jones and Ernie Hare, the NBC's In-terwoven Pair, estimate they have made al-most half a million phonograph records. Under one name or another the singing fun-sters claim to have "been on" every make of record ever pressed.

Charles Francis Coe, writer and criminologist, who inaugurated a series of gangster yarns over NBC networks a few weeks ago, is an Irish dialect comedian in private life. His Irish characterizations are rated second to none on the speaking stage.

Forty-three old family hymnals have been sent to Phillips H. Lord, NBC's "Seth Parker," since the first of the year. Most of the donors explain that the old books are treasured heir-looms, but Seth Parker's hymn sings so typify the memories evoked by the hymnals that he should have them for safekeeping.

Peter Dixon, whose Raising Junior series for NBC will shortly be changed to one pro-gram a week, has signed a new contract with the Wheatena Company, sponsors of the pro-gram. The document calls for a series of weekly broadcasts during the summer, and for the daily sketches to be resumed in September. Charles Warburton, English actor, who played the role of the famous revolutionary traitor in NBC's recent "Trial of Benedict Arnold," was a leftenant in the British artillery during the war. He served four years on the Western Front.

OR A BROADCASTING STUDIO

"The snake to which I refer," said the schoolteacher, "is said to move with mathe-matical precision."

"Do you mean an adder, sir?" suggested a bright pupil.

Vaughn de Leath, NBC's "original radio girl," vaugning et earl, Nocs or original radio girl, denies that the style of singing she created is crooning. Miss de Leath prefers to be called a "qualtoniste" rather than a "crooner." But "crooner" or otherwise, Miss de Leath is distinctly in a class by herself.

More than twelve thousand letters were re-ceived within forty-eight hours after Ted Lewis had inaugurated his Club Valspar program series over an NBC network. The programs, heard Saturday nights, mark the band leader's first sustained series over a network.

THE "SWAN" SONG

The Girl—So you've seen daddy, darling? Did he behave like a lamb? Suitor (grimly)—Absolutely! Every time I spoke he said "Bah!"

Billy Jones and Ernie Hare are the only NBC entertainers who always carry their own stop watches. Their numbers and patter are timed with split-second precision in the sanctity of their office before they come to the studio for a rehearsal. But many listeners would rather they did not bother to stop the good work.

One of Europe's most famous radio stars is being heard every Monday afternoon in recital over an NBC network. He is Franz Baumann, noted tenor of German Talking Pictures, and of the Reichs Rundfunk Gesellschaft, which is the National Broadcasting Company of Ger-many. Baumann sings from the NBC new York studios.

Harvey Hays, NBC actor who plays "The Old Timer" in the Empire Builders sketches, has become a radio director. He directs and plays in the series of one-act plays which are broadcast from the NBC Chicago studios every Monday afternoon at 1:30 o'clock E. S. T.



"Synchronized conversation" is what that fun-team, Bradford Browne and Al Llewelyn, are calling the "Premier Chefs" act in which they participate each Tuesday night before WABC-Columbia microphones.

Their announcements, as joint masters of ceremony, are offered in perfect synchronism. Each breath is measured and accurately timed; each word receives just so much intonation; pronunciation, of course, must be perfectly coordinated . . . oh, it's not so easy, that fifteen-minute period. You know—too many cooks spoil the broth

so Brad and Al try to sound like one.

"Dearest Annabelle," wrote Oswald, who was hopelessly in love. "I would swim the mighty ocean for one glance from your dear eyes. I would walk through a wall of flame for one touch of your little hands. I would leap the widest stream in the world for a word from your lovely lips. As always, your Oswald

"P. S .- I'll be over Saturday night if it doesn't rain.

Most radio actors read their lines from manuscript, but not so with Ferdinand Gottschalk. famous star of Broadway productions. When Gottschalk appeared as one of the guest stars in a recent RCA-Victor play, he surprised the director and other members of the cast by virtually discarding his script in the actual broadcast. But he didn't miss a single line.

TUNING IN

A motorist had just crashed a telegraph pole. Wire, pole and everything came down around his ears. They found him unconscious in the wreckage, but, as they were untangling him, he reached out feebly, fingered the wires and

"Thank heaven, I lived clean—they've given me a harp."

The NBC occupies seven floors of a fifteen-story office building in New York, and a small portion of the office force has recently invaded an eighth floor. The broadcasters also have taken over the basement and roof of the build-ing. The company also maintains a huge "show" studio, with a seating capacity of six hundred, on the roof of the New Amsterdam Theater at Times Square.



Mrs. Gabble-Did Mrs. Jones ever say anything to you about me, dear?

Mrs. Jabber—Not one word, Jane. If Hester Jones can't say something good of a person, she doesn't say anything.—Selected.

Vincent Lopez was one of the first orchestra leaders ever to go on the air. According to the old master program book for WJZ, Lopez brought his orchestra to the tiny cloak-room studio which housed the station in Newark for a Sunday afternoon concert, on Feb. 26, 1922. Lopez was "spotted" on the schedule between a time announcement and a recital of children's songs by a twelve-year-old miss from Montclair, N. J. His programs from the St. Regis are still among NBC's most popular dance features.

Ever hear of a radio celebrity who was known to his listeners only as "AJN"? It's no other than Milton J. Cross, NBC's veteran announcer and diction award winner. Although he began broadcasting in 1922, until though he began broadcasting in 1922, until 1925 his full name had never been heard on the air except when he sang vocal solos. In the early days announcers identified themselves with letters, and AJN was Cross' designation. A stood for "announcer," the J was for his own middle initial, and N was for Newark, where WJZ was then located.

A commentary on the evolution of radio studios was made by Mrs. Julian Heath, NBC's menu expert, when she recently dedicated the luxuriously furnished new speaker's studio at 711 Fifth Avenue. From the depths of a richly upholstered chair, she laughingly ex-

'This is an incredible contrast to the experience I had when I first broadcast nearly seven years ago. I remember that I talked into the microphone from the summit of high chair, which had evidently been intended for a long-legged 'cello player. And when I ended my thirty-minute talk, I was so stiff the announcer had to lift me to the floor."

Mrs. Heath has been on the air regularly, five days a week, for six years and a half.

WJZ and WBAL synchronize as follows:

W]Z and WBAL synchronize as follows: Mondays, Wednesdays and Fridays, after 4 P. M.; Tuesdays, Thursdays and Saturdays, until 4 P. M.; Sundays, after 7:30 P. M. WEAF and WTIC synchronize as follows: Mondays, Wednesdays and Fridays, until 4 P. M.; Tuesdays, Thursdays and Saturdays, after 4 P. M.; Sundays, until 7:30 P. M.



TED IFWIS and his orchestra visit the Club Valspar each Saturday night over WEAF and forty-one other NBC stations from a different city each week end. Ted and his jazz hand have vaudeville contracts which keep them on the road, but, nevertheless, they are "on the air" each session of the new "Saturday Night Club of the Air."

PHIL OHMAN and VICTOR ARDEN (above, left and right), noted two-piano duo, who have been absent from the NBC studios for several months, returned to the air as the featured artists on the Gold Medal Express, a new weekly feature. The program is heard on Mondays at 8:30 P. M. (E. D. T.).





What Our Grandmothers Would Say

I wondered, when I purchased your lightful magazine for the first time the other day, just what our er day, just what our grandmothers would say at its title, "WhAr's ON THE AIS!" They would check and double check (with apologies to Amos 'n' Andy) and he just as hewildered. be just as bewildered as in the beginning! It's a title to ponder over! It gives—quite conciselyan idea of our tremendous progress.

Can we have some more data about Phil. Cook (including his charming countenance) in your magazine? Also about a newcomer, Miss Helen King, who speaks over station WNJ in Newark, on "Graphology, and Its Relations with Criminology!" She sounds English—the best woman's voice I've ever heard over a radio (with the exception of an actress, of course). But so little is said of her.

"BEGAN TO SEEP THROUGH THIS HEAD"

I was all wrong about the magazine! Hon-est, if you had drawn little pictures all the way through, you could not have made it more plain. After using the schedule for a few days it began to seep through this head of mine, and now I think it's great. The size is still a little awkward, but that's a small matter.

This insignific (g) ant reader of WHAT's ON THE AIR is big enough to admit she's wrong, and so I apologize. Profusely!

P. S.—I'll have to let that big word, the second word in the last paragraph, go as it is, because I looked all over the house for the dictionary and couldn't find it. Guess the kids carried it off.

CAPE VINCENT, N. Y.

I am going to give one parting shot. It is a pot-shot at the present methods of broadcast-ing in the United States. You brought up the fight going on in Australia in your March issue. All I say is that the independent, business-supported stations may win out against the Government stations, because they have money behind them and can supply better programs. But they are going to make a terrible sacrifice to get the better programs, like we have in our own country. They, too, like



Haunted in Their Sleep

ost American radio fans, will be haunted in their sleep by insistent radio advertisements, proclaiming the virtues of Burns' Bigger and Better Buns, or something like that. And the quality of the programs will eventually degenerate, as in our own country, when the advertisers begin to appeal to the masses in earnest. Popular stuff ("Popular Rot" is a better name) will teach them the penalty of taking radio and putting it into the hands of persons who use it only for their own ends.
Circago, Ill.
B. L.

"I AM NOT LYING"

In this day and age distance (DX) is not so much to boast about, because almost any modern set will pull in coast-to-coast stations modern set will pull in coast-to-coast stations if correctly handled and not hampered by interference. But my hobby is separation without overlapping on the high kilocycle belts, and here is what I think must be a record for this kind of reception. I received the following stations come colors for the second. the following stations, one right after an-other, within a space of about twenty minutes,

with no overlapping or whistling: 1230 Kc. WNAC, Boston, Mass. 1240 Kc. KTAT, Fort Worth, Tex. 1250 Kc. WRHM, Minneapolis, Minn.

1260 Kc. KOIL, Council Bluffs, Ia. 1270 Kc. WASH, Grand Rapids, Mich. I was using the frame of an iron bridge lamp as an antenna at the time. My set is a six-tube battery model, manufactured by David Grimes, Inc., and no longer made. It is about six or seven years old. I am not lying. Won't you please publish in "Fan Fare" the above portion of my letter about separating, and, if you like my compliments on your and, if you like my compliments on your great little magazine, please publish them too.

great little magazine, please publish (WOTA magazine!).
Yours for WOTA (WOTA magazine!).
H. S.

"WASN'T IT NICE?"

In reading the March issue of your very entertaining and helpful magazine, I read (in lower left-hand corner of "Fan Fare" page) of the "Rudy Vallee Club" at Wood Ridge, N. J., having some five hundred members. I was surely surprised to learn (at least, this is my deduction) that they have an asylum Wood Ridge, N. J., and the thought also came to me that wasn't it nice that they supply the inmates with radios? F. R. C. Омана, Neb.

I sure like your new dress on the March issue, but I fail to find that place to scratch



I Use the Bottom of the Radio

matches on it. I use the bottom of the radio at present, and will continue until the Mrs.

Either buy me a pipe that won't go out or put the match scratcher on one sheet. OKLAHOMA CITY, Okla.

"FOR WHAT IT MAY BE WORTH"

Perhaps you would be interested in the outcome of a radio argument which several fans participated in, in Chanute, a few days ago.

You will be flattered to know that every one preferred the new issue to the old one, in view of the fact that the station listings were more complete, the programs compact and complete, and the magazine is not too large, as it will fit very nicely in any bookrack or arnichair. The local program listings are a great feature and add to the money's worth. But don't think you are perfect. Right

along with these bouquets were several bricks. It was unanimous that the change from black and red to black in program channels was for the worse. The red National symbol as contrasted with the black Columbia symbol produces more contrast and makes any pro-gram easier to find. There is not enough contrast between your National numbers, Co-

lumbia numbers and the channel lines. feel the old system was too good to discard. This criticism is offered for what it may This criticism is onered to what is on the beworth, and, meanwhile, What's on the Air continues to be our favorite magazine—almost the radio Bible. Several Fans. Chanute, Kan. By M. J. H.

"THIS MAY SOUND LIKE A TESTI-MONIAL

Hurrah for the Three Doctors! We are proud of them. May this independence con-tinue. They have given many thousands new interest and have cured many blues. "Doc-tor" is a better name for them than "Baker" anyway, for they are doctors, and I, for one, wish to go on record as being one of their many cured patients. This may sound like a testimonial, but I don't believe there is any

a testimonia, but I don't believe there any tonic in bottles that can give me the help these "three fine fellows" have given. If this makes me nutty, as some of my friends seem to think, I hope I remain so. MOLINE, III.

I do not think your March magazine is so hot. It's harder on the nerves and eyesight.



Don't Think Your Magazine Is So Hot

I found my way around better when the red ink was used for NBC. No offense, only my temper is very short, and after mastering other past months had to start all over again,

ut I do swear by your WOTA. SAGINAW, Mich. E. P.

"AVER PLAISIR!"

They say Maurice Chevalier gets four thousand. They might consider charity. SCHENECTADY, N. Y.

I have been buying your magazine now for nearly a year, and in that time have watched my bookseller gradually increasing his number from a few odd copies to a pile worthy of the Saturday Evening Post. It is perfectly invaluable as a reference, and I should feel lost without it now; not only for the excel-lent program indexes, which I note you have improved with the March issue, but for the most interesting illustrations and let-

hope you may add CFCF to your for since they have joined the N. B. C. it would be a great convenience to have them

You may be interested-since I have lugged you into the controversy-in a letter I have written to the Musical Times, London, England, in reply to a most vicious, unfair and untruthful attack on broadcasting conditions on this continent made by a correspondent from Niagara Falls, Can. So I am enclosing

THE ENITOR, The Musical Times, London, England:

I read with some surprise a letter from Can-ada on page 158 of your February issue with regard to broadcasting on this continent, and was glad to note that it was not written by a Canadian, but by a "music-starved exile"of the type, fortunately now rare, that can find nothing to satisfy him in the country of his adoption.

It is not denied by any one here that the It is not denied by any one neer that she B. B. C. programs, as a whole, are superior to those on this continent; but when the statement is made that "three hours a week [of good broadcasting] do not suffice," and that "the radio industry is losing no sleep over the indifference of a few fastidious peowho want entertainment above the artistic level of an Iowa hog-farming commu-nity," the attack is passing the bounds of decency and of truth.

I am not an advertiser, and I hold no brief

for the radio industry, but I can not allow



Of the Type Fortunately Now Rare

such statements, appearing as they do in a magazine of your high standing and world-wide circulation, to pass unchallenged. A listener in Hamilton with an average good receiving set should be able to get all the programs I mention. Take this Sunday:—from 11:00 to 12:10, the service of Christ Church Cathedral, Montreal, with all the beautiful music incidental to a Church of England service. Or, should it be preferred, the Roxy music incidental to a Church of England service. Or, should it be preferred, the Roxy Symphony Hour at the same time. At one o'clock one can hear the National Oratorio Society of New York sing, with splendid's coloists and chorus, part of Bach's "The Passion—St Matthew," This takes two Sundays to complete. They have already given "Caractacus," "Dream of Gerontius" and many others. At 2:30 a short concert by famous artists, rendering music by Bach Bechaven. Moreover. tists, rendering music by Bach, Beethoven, Mozart, Grieg, etc. At 3:00 a mixed sextette well comparable with the "English Singers," well comparable with the "English Singers," giving a program of madrigals by Morley, Willbye, Arne, Byrd, Weelkes, etc. Also from 3:00 to 5:00 r. M., the New York Philharmonic Symphony Society, with Toscanini conducting. At 5:00 o'clock the Toronto Symphony Orehestra, with famous guest artists, sponsored by the Canadian National Railways. From 6:00 to 2:30 excellent programs of From 6:00 to 7:00, excellent programs of Northern—i. e., Norwegian, Swedish and Danish—music. 7:30 to 9 P. M., Cathedral service. At 10:00 o'clock the Imperial Oil Hour of fine music—guest artists last week, the "London String Quartet" and Mde. Jeanne Dussau. At 11:30 p. M., the Russian Cathedral Choir from New York—magnificent voices—singing the music of great Russian composers. After midnight one can have a delightful half-hour of "Quiet Harmonies," or organ music, or can pick up excellent pro-grams from the West, as the Eastern stations sign off.

During the week one can hear daily: "On Wings of Song," a delightful instrumental trio, giving one hour; the "Black and Gold Room" orchestra—all good music; the "Slum-ber Hour," 11:00 to 12:00, each evening, a wonderful string ensemble under the baton of M. Ludwig Laurier, or daily programs from the great hotels, who all carry concert orches-tras in addition to those who play only for dancing. In addition, we hear during the week the Montreal Symphony Orchestra, sponsored by Canadian Pacific Railway Company; Roch-ester Civic Orchestra, U. S. Marine Band, Mormon Tabernacle Organ and Choir from Salt mon Tabernacle Organ and Choir from Salt Lake City, Walter Damrosch and his famous orchestra. Columbia Concerts Bureau, Nation-al Broadcasting ditto, and occasionally the Philadelphia Symphony Orchestra, to say noth-ing of many fine local programs.

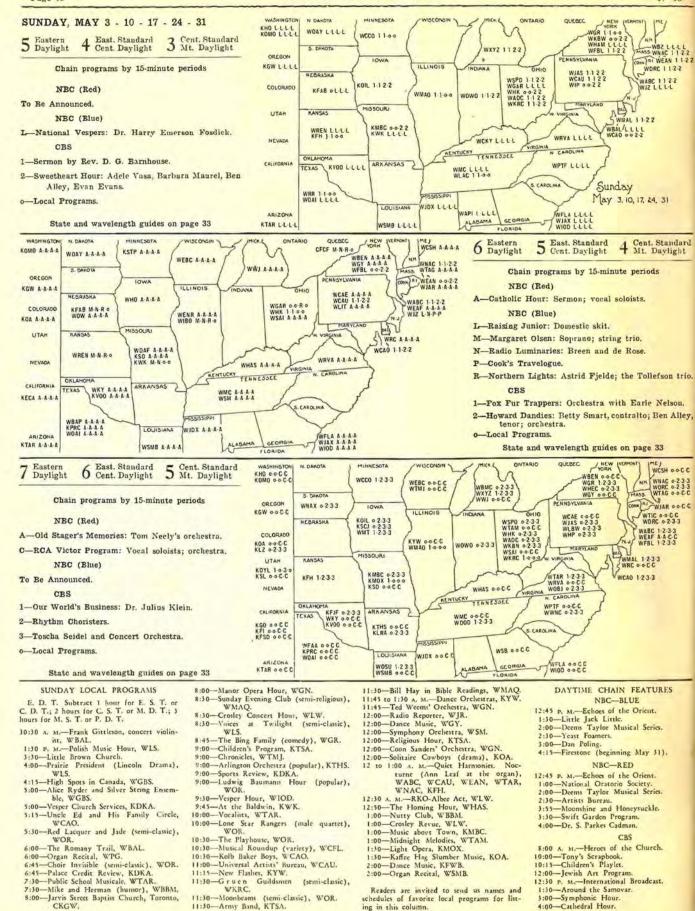
You may, in this connection, find interest in a magazine called WHAT'S ON THE AIR, of

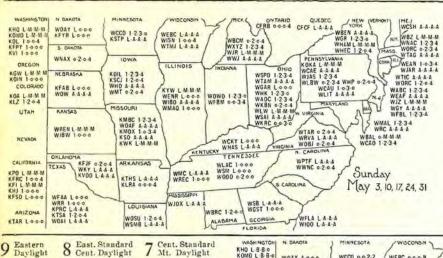
which I enclose a copy.

MONTREAL. Can.

www.americanradiohistory.com







SUNDAY, MAY 3 - 10 - 17 - 24 - 31

8 Eastern 7 East. Standard 6 Cent. Standard Mt. Daylight

Chain programs by 15-minute periods NRC (Red)

A-Chase and Sanborn: Maurice Chevalier; orchestra. NBC (Blue)

L—Enna Jettick Melodies: Mixed quartet; string ensemble.

M-Collier's Radio Hour.

CBS

1-Devils, Drugs and Doctors: Howard W. Haggard, M.D.

2-Piano Pals: Dolph Opfinger and Charles Touchette.

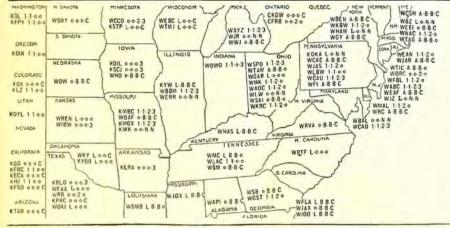
3-Kaltenborn Edits the News.

4—The Gauchos: Argentine music; Vincent Sorey conducting.

o-Local Programs.

State and wavelength guides on page 33





10 Eastern 9 East, Standard 8 Cent, Standard Daylight 9 Cent, Daylight 8 Mt. Daylight

Chain programs by 15-minute periods

NBC (Red)

A-Iodent Program.

B—National Dairy Productions: Famous trials in history.

C-Sunday at Seth Parker's.

NBC (Blue)

L-Westinghouse Salute.

N-Kellogg Slumber Music: String ensemble. CBS

1-Royal's Poet of the Organ: Jesse Crawford

2-Fortune Builders: Douglas Gilbert interviews.

3-Round Towners.

o-Local Programs.

State and wavelength guides on page 33

ONTARIO QUEBEC WASHINGTON WESH A O O O N DAKOTA MINNESOTA WISCONSIN East, Standard 9 Cent. Standard Mt. Daylight Eastern 10 Cent, Daylight 11 Daylight WBEN A 9 DA CKGW A O O O MH WBZ OM OO WEEL A O OO WNAC 1 1 1 1 WOAY A . CC WBCM 1111 5 DAKOTA Chain programs by 15-minute periods WIR OMOG WEAN 1111 WNAX 1111 NBC (Red) KEW OM O HID WSPO 1111 WTAM GOCC WCAR L M N N WK8N 1111 WLW G M G G NEBRASHA WHO ABCC WEAF AB A-Sunday at Scth Parker's. COLORADO WOW ABCC E-Muriel and Vce. KOA o M o WENR LMCC C-Russian Cathedral Choir, KSL'n M o o NBC (Blue) WOAF A OO WREN LM N N L-Wenrich and Connelly. NEVADA WHAS A O O O MENTUCKY TENNESSEE M-Heel Hugger Harmonies: Male quartet; orchestra. CALIFORNIA MC nacc N-South Sea Islanders: Native music and dialog. KGO A o o o KPO o M o o KECA A th o KFSO 4 M o RLRA 1 1 1 1 WSM A 0 0 0 CANDILIN 1-Back Home Hour from Buffalo: Religious service. WIDX A WSB Acco

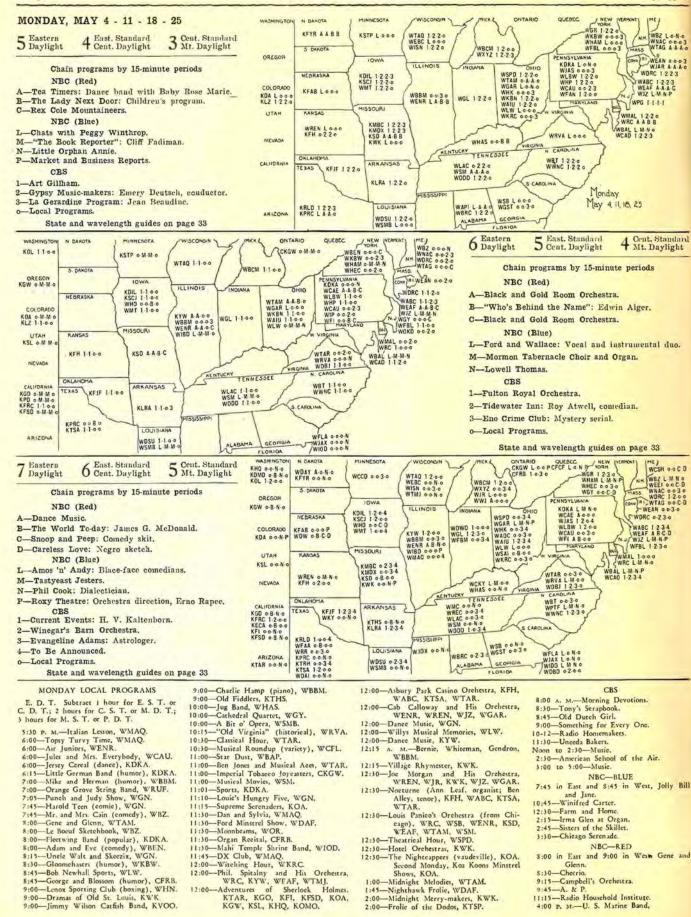
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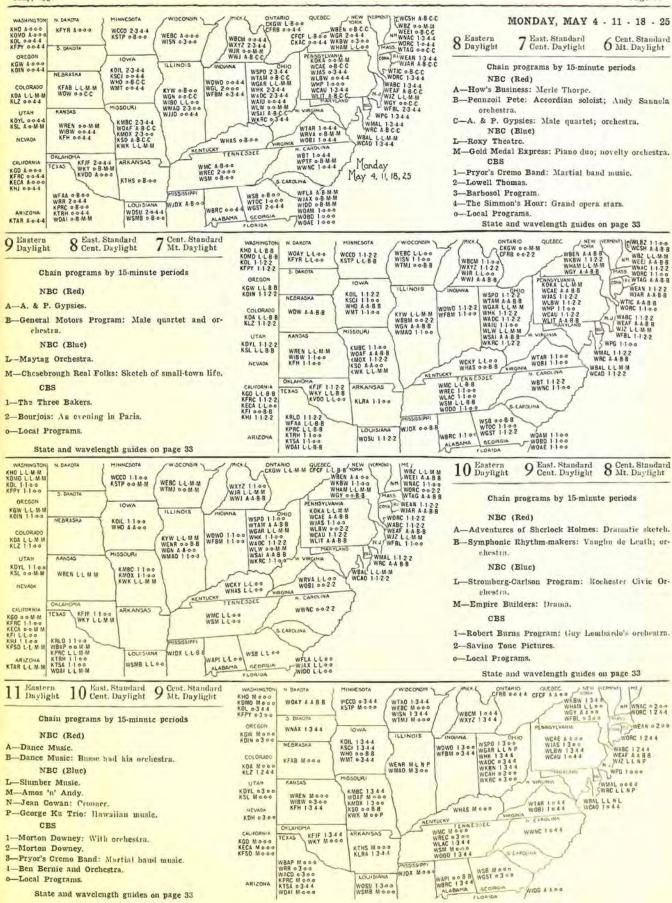
State and wavelength guides on page 33

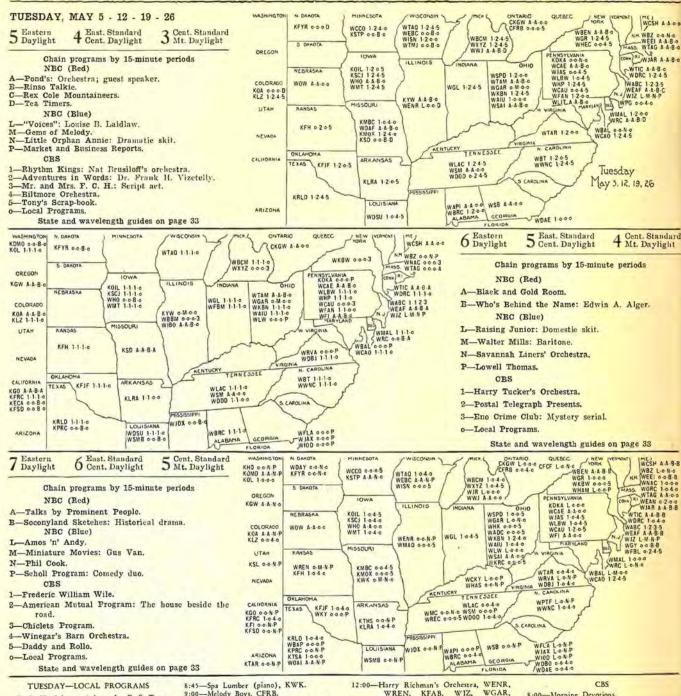
o-Local Programs.

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WDSU 1111







E. D. T. Subtract 1 hour for E. S. T. or C. D. T.; 2 hours for C. S. T. or M. D. T.; 3 hours for M. S. T. or P. D. T.

6:00 P. M .- Air Juniors, WENR.

6:00—Topsy Turvy Time, WMAQ. 6:00—Dance Music, WCAO. 6:15—Dinner Timers (dance), WBEN.

6:15—Dinner Timers (dance), WBEN.
6:30—Over Coffee Cups (drama), KDKA.
7:00—Mike and Herman (humor), WBBM.
7:05—Punch and Judy Show, WGN.
7:15—Home Songs, WPTF.
7:15—Reck Revelers (song hirs), KDKA.
7:30—Blue Coal Concert, HORA.
7:30—Blue Coal Concert Hour, WHAM.
7:45—Harold Teen (comic), WGN.
7:45—Ginger Boys, WBZ.
8:00—Gene and Glenn, WTAM.
8:00—Footlight Echoes, WOR.
8:10—Deacon's Dicta, WCCO.
8:15—Uncle Walt and Skeezix (comic), WGN.
8:50—Mabbel Garrison (concert), WBAL.

8:30—Mabel Garrison (concert), WBAL. 8:30—Gloom Chasers (hunnor), WKBW. 8:30—Swedish Orchestra, WCCO. 8:45—Tiptop Schoolhouse (theatrical), WBZ.

8:45—Spa Lumber (piano), KWK.
9:00—Melody Boys, CFRB.
9:30—Lammeri's Salon Orchestra, KWK.
9:30—Werk Bubble Blowers (popular),
WLW.
10:00—McCann Hour (theatrical), WOR.
10:00—Candian Concert, all "CN" stations.
10:00—C. G. E. Vagabonds, CKGW.

10:15-The Chatterbox, WKBW. 10:10—Musical Round-up (variety), WCFL.
10:30—Musical Round-up (variety), WCFL.
10:30—Langley Hour (band), WTAR.
10:30—Alamo Bank Program, WOAI.
11:00—Cotton Queen Minstrels, WLW.
11:00—Palais Royal Dance Orchestra, WBEN.
11:00—Marylanders (dance), WBAL.

11:00-News, KYW.

11:15—Casey at the Bat, KOA.

11:20—Louie's Hungry Five (comic), WGN.

11:30—General Electric (classical), KOA.

11:30—Black Hawk, KSTP. 11:30—Dan and Sylvia (sketch), WMAQ. 11:30-Wayne King (dance), KYW. 11:45-Sports Slices, WLW. 12:00-Jack Albin and His Orchestra (from

Hotel Pennsylvania, New York), WTIC, WRC, WHO, KSD, WEAF, WBEN, WGY, WTAM.

12:00—Harry Richman's Orchestra, WENR, WREN, KFAB, WJZ, WGAR, WMC, WSM.

12:00—Bert Lown's Orchestra, WNAC, WABC, WCAU, WEAN.

12:00—Dance Music, KYW.

12:00—Dance Music, WGN.

12:00—Witching Hour (semi-classic), WKRC.

12:15—Willage Rhymester, KWK.

12:15—Bernie, Whiteman, Gendron, WBBM.

12:30—Hotel Orchestra, KWK.

12:30 to 2—Dance Music, WLW.

12:30—Verne Buck and His Orchestra (from Drake Hotel, Chicago), WSB, WGN, WREN, KWK, WJZ, WGAR, WMC, WSM. WSM.

WSM.

12:30—Nocturne (Ann Leaf, organist; Ben
Alley, tenor), KFH, WNAC, WABC,
WCAU, WEAN, KTSA, WTAR.

12:30—Romanelli's Orchestra, CKGW.
1:00—Dance Music, KTSA.

1:30-Olympic Club, Los Angeles (boxing), KFWB.

-Dance Music, KFWB. 2:00-Midnight Merrymakers, KWK. 8:00—Morning Devotions, 8:30—Tony's Scrap-book, 9:00—Something for Every One, 10 to 12—Radio Home-Makers,

12 to 2:30-Music. 2:10-School of the Air.

3 to 5-Music.

NBC-BLUE

7:45—Jolly Bill and Jane (East). 8:45—Jolly Bill and Jane (West). 10:15—Frances Ingram. 10:45—Josephine Gibson.

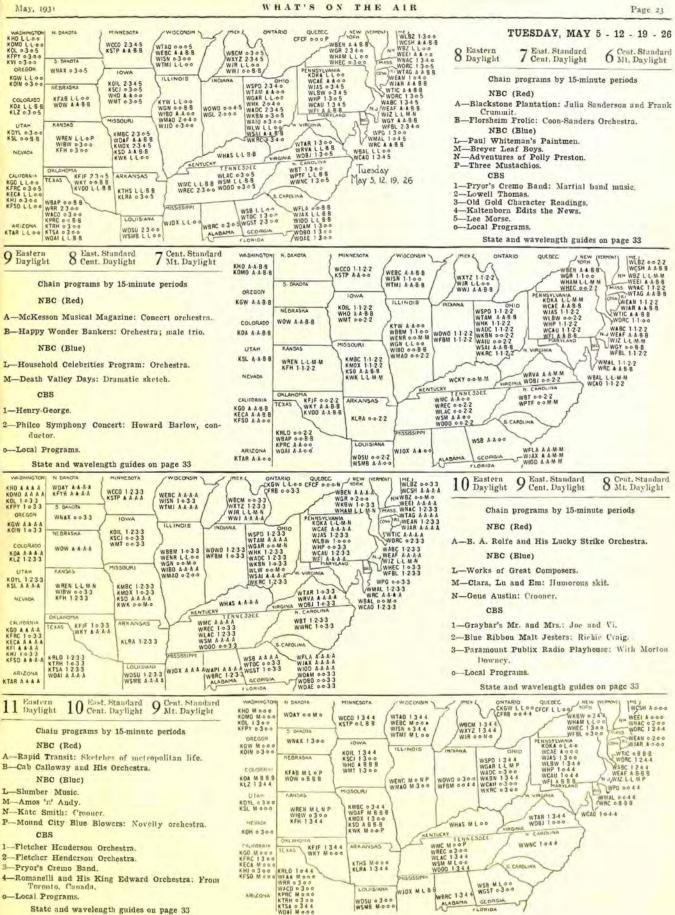
12:30—Farm and Home. 2:15—Irma Glen at Organ. 2:45—Sisters of the Skillet.

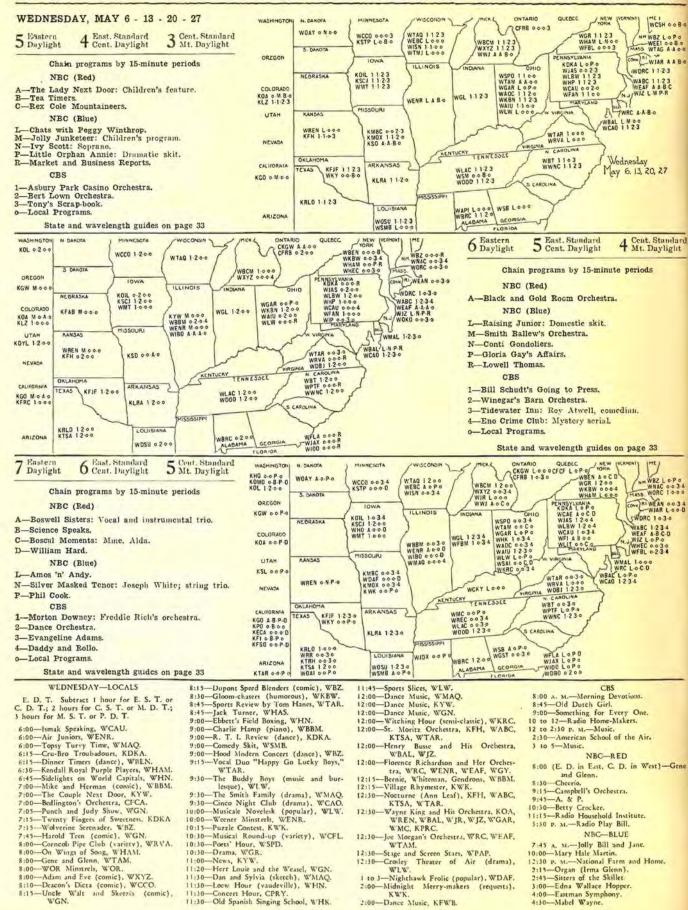
3:30-Chicago Serenade. NBC-RED

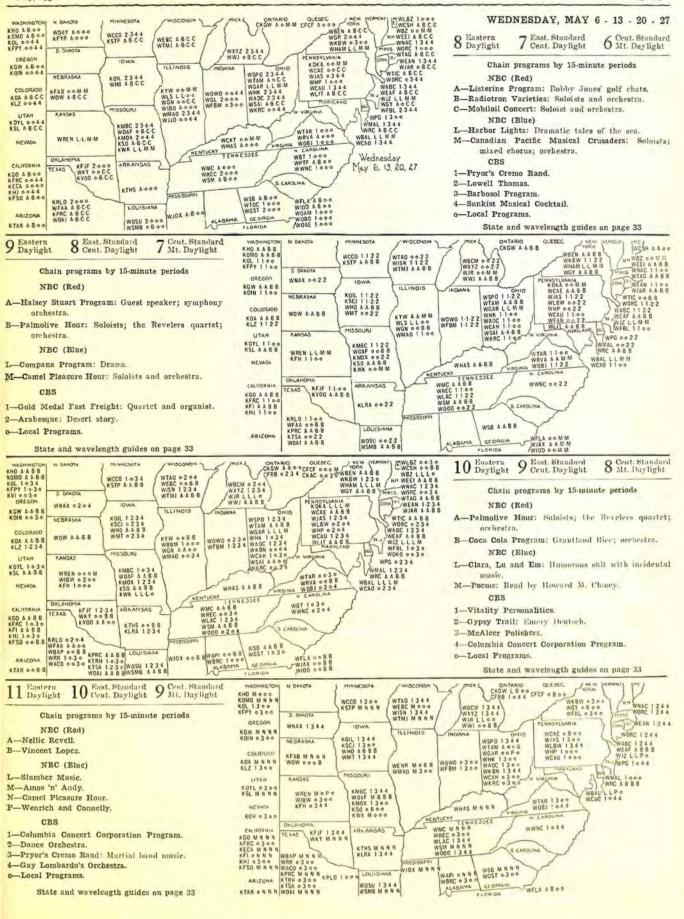
8:00-Gene and Glenn (East).

8:30—Checrio. 9:00—Gene and Glenn (West). 9:15—Campbell's Orchestra.

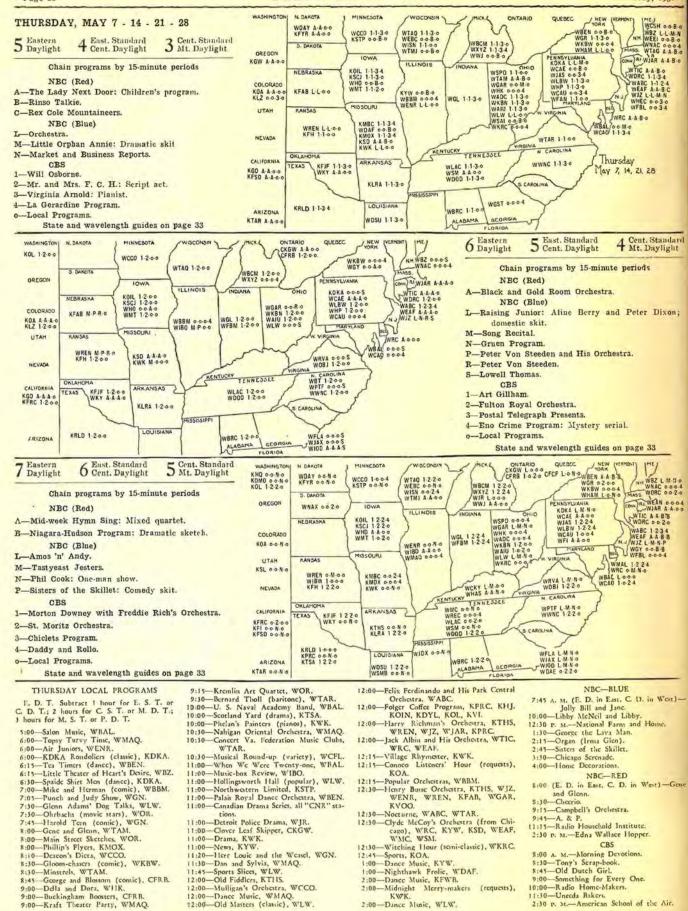
9:45-A. & P. 11:15-Radio Household. 2:30—Edna Wallace Hopper. 3:30—Golden Gems.





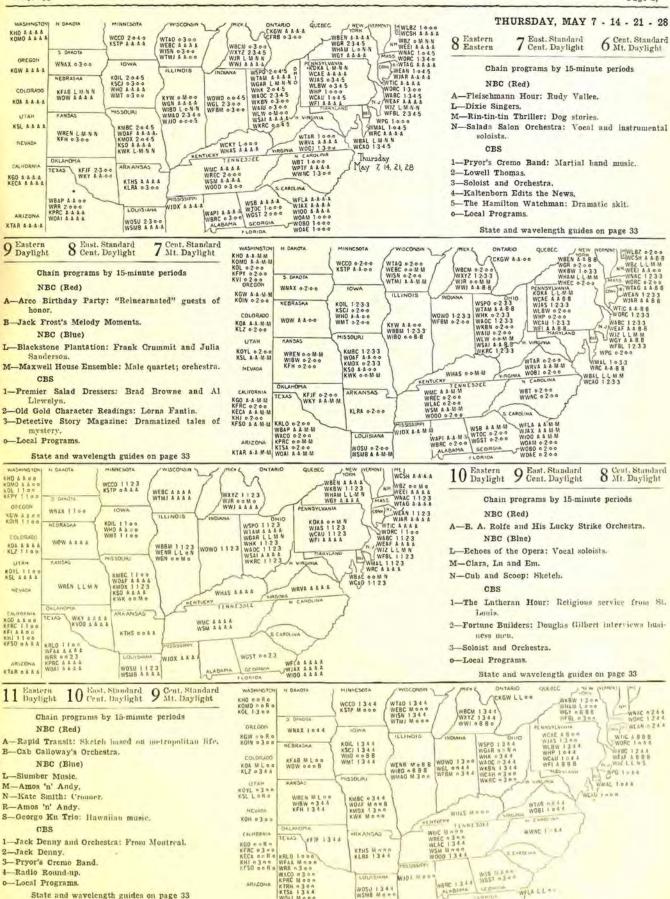


9:00-Buckingham Boosters, CFRB. 9:00-Kraft Theater Party, WMAQ.

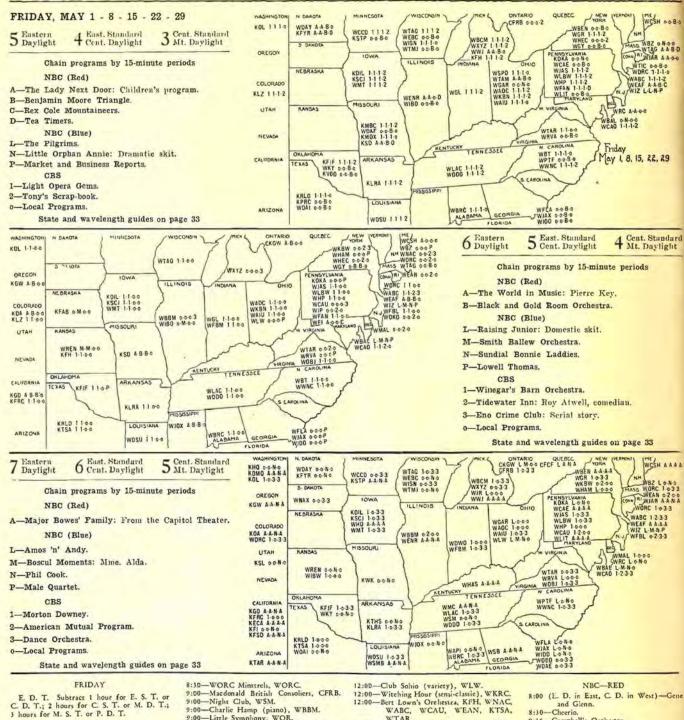


2:00—Dance Music, KFWB. 2:00—Midnight Merry-makers (requests),

KWK. 2:00-Dance Music, WLW.



State and wavelength guides on page 33



6:00-Uncle Don, WOR. 6:00-Air Juniors, WENR.

6:00—Topsy Turvy Time, WMAQ. 6:15—Dinner Timers (dance), WBEN. 7:00—Unele Zim and Bamby (children), WIOD.

-Couple Next Door (sketch), KYW

7:00—Mike and Herman (comie), WBBM.
7:05—Punch and Judy Show, WGN.
7:15—Stringed Choir (classical), KDKA.
7:15—Prudence Musical Hits, WBZ.

7:30-Bond Beau Brummels (novelty music), WBEN.

7:45-Harold Teen (comie), WGN. 8:00-Gene and Glenn, WTAM.

8:00—Adam and Eve (comic), WXYZ. 8:10—Deacon's Dieta, WCCO.

8:15—Frank and Ernest (comic), KWK. 8:15—Uncle Walt and Skeezix (comic), WGN.

8:30-Penn Drake Review (song hits). KDKA.

9:00—Charlie Hamp (piano), WBBM. 9:00—Little Symphony, WOR. 9:00—Canada on Parade, CKGW, CKAC. 9:30—Chris Vanture and His Gang, WTAR.

9:30-The Hoosier Editor, WLW.

9:30—The Hoosier Editor, WLW.
10:00—Heatrolatown (variety), WLW.
10:00—German Band, WISJ.
10:30—Musical Round-up, WCFL.
10:30—Hava-1-Tampa (popular), WFLA.
10:45—McGuerny and Lundberg (comic),

WCCO.

Canadian Pacific Concert, CKGW.

11:00—Canadian Pacific Concert, CKGW.
11:00—Sports and News, KYW.
11:00—Palais Royal Dance Orehestra, WBEN.
11:00—Canada on Parade, WJR.
11:15—Jimmy Wilson's Catfish Band, KVOO.
11:15—Apex Travelers (dance), KDKA.

11:20-Herr Louie and the Weasel, WGN. 11:30-Masters Minstrel Boys, WTAR.

11:30—Masters Minkret boys, W 11:30—Dan and Sylvia, WMAQ. 11:45—Sport Slices, WLW. 12:00—Jack Turner, WHAS. 12:00—Dance Music, WMAQ. 12:00—Dance Music, WGN.

WTAR.

12:00-Phil Spitalny Orehestra, WRC, KYW, WEAF, WGY, WMC, KPRC. 12:00-Florence Richardson Orchestra (Hotel

Paramount, New York), KC WENR, WREN, WJZ, WGAR.

12:15-Popular Orehestras, WBBM. 12:15-Gebhardt's Mexican Players, WOAL.

12:15-Village Rhymester, KWK. 12:15-Old Wagon-tongue (drama), KOA.

12:15—Old Wagon-tongue (drama), KOA.
12:30—Detective Story, KFWB.
12:30—Nocturne, KFH, WNAC, WABC,
WCAU, WEAN, KTSA, WTAR.
12:30—Wayne King, Orehetra, KTHS, WRC,
WENR, KSD, WEAF, WTAM,
WMC, WSM, KPRC.
12:30—Henry Tobias Orehetra, WREN,
KWK, WJZ, WGAR.
1:00—Nighthawk Frolic, WDAF.
1:00—Slumber Boat (orehestra), KWK.
2:00—Midnight Merry-makers (requests),
KWK.

KWK.

2:00-Dance Music, KFWB.

9:15-Campbell's Orchestra.

9:45—A. & P. 10:30—Betty Crocker. 11:15—Radio Household Institute. 4:30 p. m.—Rodeheaver Sing.

NBC-BLUE

-Jolly Bill and Jane.

10:00-Libby McNeil and Libby. 10:45-Josephine Gibson.

12:30 P. M.—National Farm and Home. 2:45—Sisters of the Skillet.

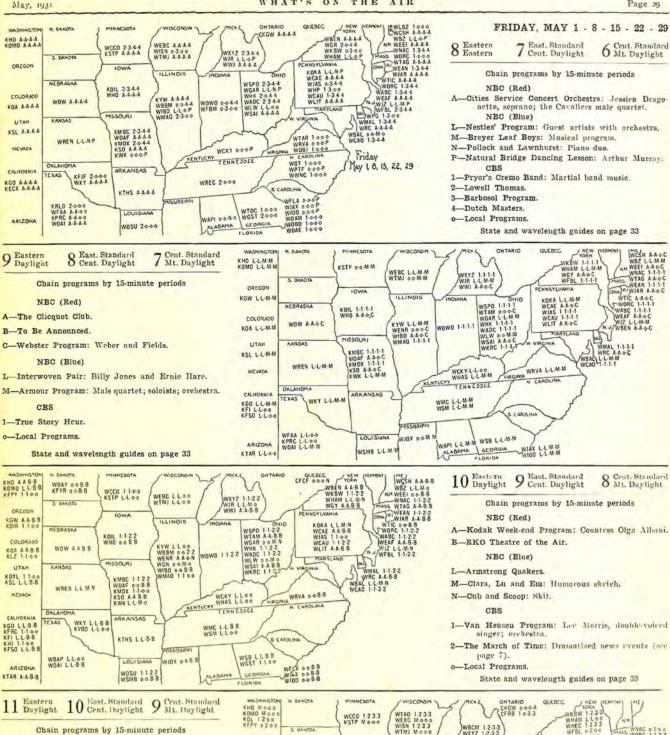
3:00-Fdna Wallace Hopper. 3:30-Chicago Serenade.

4:00-Radio Guild.

CBS

8:00 A., M.—Morning Devotions. 8:45—Old Dutels Girl.

3:45—Old Dutels Grft.
9:00—Something for Every One.
10:00—Radio Home-Makers.
10:15—Frank Crunit and Julia Sanderson.
2:150—American School of the Air.
3 to 5—Music.



WTAO 1-2-3-3 WEBC M 0-0-0 WISN 1-2-3-3 WTMJ M 0-0-0 WBCM 1-2-3-3 WXYZ 1-2-3-3 WWJ A-0-0-0 MAC 0 1-0-0 DREGON WNAY 1033 WORA DL D D WCAE A A D O WIAS 1200 WLEW 1233 WCAU 1033 WFAN 0033 WLITER A 33 WLITER A 33 KOW MUSO WORC 1133 WARC 1133 WEAF A.A.A.A. WIZ LLNP KOIL 1233 KSCJ 1-2-0-0 WHO A A A A WMT 1233 HEBRASHA WSPD 1-20-0 WTAM 0-0 A A WGAR 0-L N P COLORADO KFAB M.L.N.L WHK 020 WAOC 02 WKBN 12 WCAH 02 WKRC 02 KOA Meet WOWD 0-2-0-0 WENR DLLP WMAD M.200 WAC LLNP WBAU LLNP WCAD 1-0-3-3 115 SOUR UTAH KANSAS KOYL n 2 o KMBC 0 2 3 3 WDAF M 0 0 0 KMOX 1 2 6 0 KSD 6 0 A A KWK M 0 0 0 WREN M 0 0 P WIBW 0 2 3 3 KFH 1 2 3 3 N-Otto Gray and His Oklahoma Cowboys. WTAR 1033 WORL 1033 NEVADA P-Mildred Hunt: Contralto. WHAS M-0-0-0 ALNTUCKY TENNESDEL KDH 0-2-0-0 WMC M 000 WREC 0 2 00 WLAC 1 2 3 3 WSM M 000 W000 1-2 3 3 CALIFORNIA CALIDRAIN TEXAS XFJI
KGO MOOD KRCO 1000 KRCO 1 ARKANSAS WWNC 1033 1-Fletcher Henderson Orchestra. 2-Pryor's Cremo Band: Martial band music. KTHS M.D.O.O 3-Ben Bernie and Orchestra. WBRC 1233 ALABAMA GEORGIA WOSU 1233

NBC (Red)

NBC (Blue)

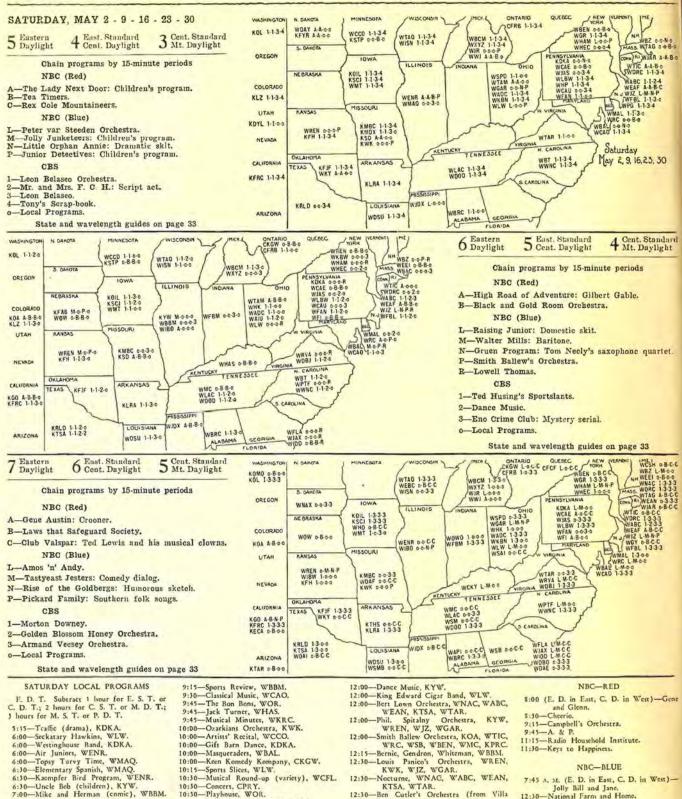
A-Vincent Lopez.

L-Slumber Music.

M-Amos 'n' Andy.

o-Local Programs.

State and wavelength guides on page 33



5:15-Traffic (drama), KDKA.

5:15—Traffic (drama), KDKA.
6:00—Seckatary Hawkins, WLW.
6:00—Westinghouse Band, KDKA.
6:00—Topsy Turvy Time, WMAQ.
6:30—Elementary Spanish, WMAQ.
6:30—Elementary Spanish, WMAQ.
6:30—Elementary Spanish, WMAQ.
6:30—Uncle Beb (children), KYW.
7:00—Mike and Herman (comic), WBBM.
7:00—Orange Grove String Band, WRUF.
7:00—Punch and Judy Show, WGN.

7:00—Punch and Judy Show, WGN.
7:00—Punch and Judy Show, WGN.
7:00—Crosley Theater of Air, WLW.
7:30—In Gottschalkville (drama), WCAU.
7:30—Gloom-chasers, WKBW.
7:45—Tourist Dramatic Club, WFLA.
7:45—Sports (Hal Totten), WMAQ.

7:45—Harold Teen (comic), WGN. 8:15—Uncle Walt and Skeezix, WGN.

8:10—Crosley Saturday Knights, WLW. 9:00—Opera House, WTAM. 9:00—Around the Melodeon, WBAL. 9:15—Footlite Follies, WMAQ.

10:00—Ozarkians Orchestra, KWK.
10:00—Aritists' Recital, WCCO.
10:00—Gift Barn Dance, KDKA.
10:00—Masqueraders, WBAL.
10:100—Keen Komedy Kompany, CKGW.
10:15—Sports Slices, WLW.
10:15—Susical Round-up (variety), WCFL.
10:10—Concert, CPRY.

10:30-Playhouse, WOR. 11:00-Will Oakland's Terrace, WOR.

11:00-News, WGN. 11:00-Riverside Ramblers, WBZ.

11:00-Palais Royal Dance Orchestra, WBEN. 11:00-Dance Music, WHAM.

11:00—Grand Ol' Opry, WSM. 11:20—Herr Louic and Weasel, WGN.

12:00-Dance Music, WMAQ.

11:40—Heer Louie and Wessel, W.GN.
11:50—National Barn Dance (variety), WLS.
11:50—Corn Huskers (popular), CKGW.
11:50—Dan and Sylvia, WMAQ.
12:00—Simm's Singers, WFAA.
12:00—Old Fiddlers Request Program, WRVA.

KISA, WISK.

12:30—Ben Cutler's Orchestra (from Villa Valle), KOA, WTIC, WRC, WSB, KSD, WTAM, WMC, KPRC.

1:00—Ambassadors, WOW.

1 to 3—Knights and Ladies of the Bath, WGN.

to 3-Nighthawk Frolic, WDAF.

1 to 3—Nighthawk Frelie, WDAF.
1:00—Belle of Old Kentucky, WHAS.
1:30—The Doodlesockers, WLW.
1:30—RKO St. Louis Thester, KWK.
2:00—DX Club (until 6 A. M.), WISJ.
2:00—Dance Orchestra, KOA.
2:00—Minght Merry-makers, KWK.
2 to 4—Dance Music, KFWB.

9:15-Campbell's Orchestra. 9:45-A & P.

11:15-Radio Household Institute.

11:30-Keys to Happiness.

NBC-BLUE

7:45 A. M. (E. D. in East, C. D. in West)-

Jolly Bill and Jane.
-National Farm and Home.

1:30-Keystone Chronicles, 2:15-Organ (Irma Glen).

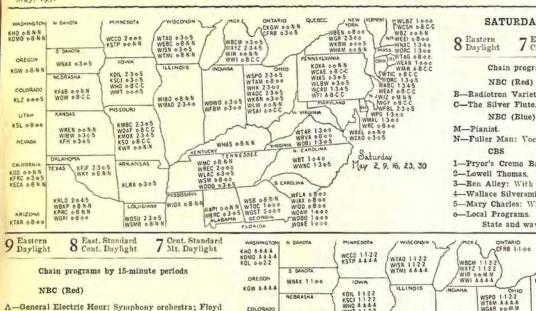
2:45-Sisters of the Skillet.

4:15-Pacific Feature Hour.

CBS

8:00 A. M.—Morning Devotions. 8:30—Tony's Scrap-book. 8:45—Old Dutch Girl. 9:00—Something for Every One.

Noon to 5-Music.



SATURDAY, MAY 2 - 9 - 16 - 23 - 30

7 East. Standard Cent. Daylight

6 Cent. Standard

Chain programs by 15-minute periods

B-Radiotron Varieties: Vocal soloists and orchestra. C-The Silver Flute.

N-Fuller Man: Vocalists; orchestra.

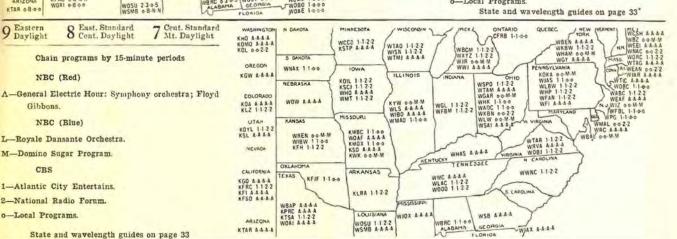
1-Pryor's Cremo Band: Martial band music.

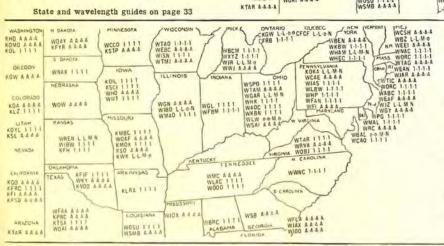
3-Ben Alley: With Ann Leaf at the organ.

-Wallace Silversmiths.

-Mary Charles: With Freddic Rich's orchestra.

State and wavelength guides on page 33"





10 Eastern Daylight 9 East. Standard Cent. Daylight 8 Mt. Daylight

Chain programs by 15-minute periods

NBC (Red)

A-B. A. Rolfe and His Lucky Strike Dance Orchestra. NBC (Blue)

L-Cuckoo.

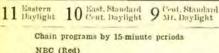
M-Clara, Lu and Em.

N-Mcmory Lane: Old poetry favorites.

1-Hank Simmons' Showboat: Melodrama.

o-Local Programs.

State and wavelength guides on page 33



A .- Troubadour of the Moon: Lanny Ross, tenor, with string trio.

-Harry Bussc and His Orchestra.

C-Little Jack Little.

NBC (Blue)

-Slumber Music.

M-Amos 'n' Andy.

N-Sisters of the Skillet.

P-Phil Spitalny Orchestra.

CBS

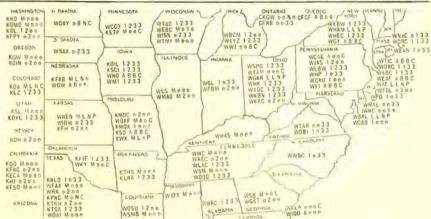
1-Jack Denny Orchestra: From Montreal.

2-Pryor's Cremo Band.

3-Guy Lombardo and His Royal Canadians.

o-Local Programs.

State and wavelength guides on page 33



North American Broadcasting Stations

Stations by Call Letters Revised to April 1, 1931

(Figures in Parentheses Denote Power Now Used)

KBGZ KBHB	Fork Vab (500) 030
KBHB	
	Kennett, Mo. (250)
TOTAL	Portland Ore. (100)
KCRC	Paragould, Ark. (100)
KCRJ	Jerome, Ariz. (100)
KDB	Santa Barbara, Calif. (100)1500
KDFN	Casper, Wyo. (100) 1210
KDLR	Davil's Lake N D (100) 1210
KDYL	Salt Lake City, Utah (1000)1290
KECA	Los Angeles, Calif. (1000) 1430
KELW	Burbank, Calif. (500) 780
KFAR	Lincoln Neb (5000) 770
KFBB	Great Falls, Mont. (1000). 1280
KFBK	Sacramento, Calif. (100) 1310
KFBL	Everett, Wash. (50)1370
KFDV	Brookings S D (500) 550
KFEL	Denver, Col. (500) 920
KFEQ	St. Joseph, Mo. (2500) 680
KFGQ	Boone, Ia. (100) 1310
KPI	Los Angeles Colif (5000) 640
KFIO	Spokane, Wash, (100) 1120
KFIU	Juneau, Alaska (10)
KFIZ	Fond du Lac, Wis. (100)1420
KEJE	Oklehoma City Okla (5000)1480
KFJI	Astoria, Ore. (100) 1370
KFJM	Grand Forks, N. D. (100) 1370
KFJR	Portland, Ore. (500) 1300
KEJZ	Fort Worth Tex (100) 1370
KFKA	Greeley, Col. (500)
KFKB	Milford, Kan. (5000)1050
KFKU	Lawrence, Kan. (500)1220
KFLX	Galveston, Tex. (100) 1370
KFMX	Northfield, Minn. (1000) 1250
KFNF	Shenandonh, Ia. (500) 890
KFOY	Long Beach Calif (100)
KPPL	Dublin, Tex. (100) 1310
KFPM	Greenville, Tex. (15)1310
KFPW	Ft. Smith, Ark. (50)1340
KFPY	Spokane, Wash. (1000)1340
KFOU	Holy City, Calif. (100)
KFQW	Seattle, Wash. (100)1420
KFRC	San Francisco, Calif. (1000) 610
KFRU	Columbia Mo. (1000) 630
KESG	Los Angeles Calif (500) 1120
KFUL	Galveston, Tex. (500)1290
KFUM	Colorado Sp'gs, Col. (1000)1270
KFUD	Clayton, Mo. (500)
KEVD	Culver City, Calif. (250) 1000
KFVS	Cape Girardeau, Mo. (100)1210
KEWB	Hollywood, Calif. (1000) 950
KFWI	St. Louis, Mo. (100)
KFXD	Nampa, Ida, (50)
KFXF	Denver, Col. (500) 920
KFXJ	Edgewater. Col. (50)
KEXR	Oklahoma City Okla (100)1210
KFXY	Flagstaff, Ariz. (100) 1420
KFYO	Abilene, Tex. (100)1420
KFYR	Bismarck, N. D. (1000) 550
KGAR	Spokane, Wash. (5000)1470
KGB	San Diego, Calif. (250) 1330
KGBU	Ketehikan, Alaska (500) 900
KGBX	St Joseph Ma (100) 1310
	Verly Net (500) 020
KGCA	York, Neb. (500) 930
KGCA KGCR	York, Neb. (500) 930 Decoral, Ia. (50) 1270 Watertown, S. D. (100) 1210
KGCA KGCR KGCU	York, Neb. (500) 930 Decorah, Ia, (50) 1270 Watertown, S. D. (100) 1210 Mandan, N. D. (100) 1200
KGCA KGCR KGCU KGCX	York, Neb. (500) 930 Decorah, Ia, (50) 1270 Watertown, S. D. (100) 1210 Mandan, N. D. (100) 200 Wolf Point, Mont. (100) 1310 Witshell S. D. (100)
KGCA KGCR KGCU KGCX KGDA KGDE	York, Neb. (500) 930 Decoral, Ia. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1200 Wolf Point, Mont. (100) 1310 Mitchell, S. D. (100) 1370 Pergus Falls, Minn. (100) 1200
KGCA KGCR KGCU KGCX KGDA KGDE KGDM	York, Neb. (590)
KGBZ KGCA KGCR KGCU KGCX KGDA KGDE KGDM	York, Neis, (500)
KGBZ KGCA KGCR KGCV KGCX KGDA KGDE KGDM KGDY KGEF	York, Neb. (500)
KGCA KGCA KGCV KGCX KGDA KGDE KGDM KGDY KGEY KGEY KGEK	York, Net. (500)
KGCZ KGCZ KGCZ KGCZ KGDA KGDE KGDM KGDY KGEF KGER KGER	York, Neb. (500)
KGCA KGCR KGCU KGCX KGDA KGDE KGDM KGDY KGEF KGER KGER KGER	York, Neb. (500)
KGCA KGCR KGCU KGCX KGDA KGDA KGDY KGEF KGEK KGEK KGEK KGEK KGEZ KGFF	York, Net. (500)
KGCA KGCA KGCY KGCX KGDA KGDA KGDY KGEF KGEK KGEK KGEZ KGFF KGFF KGFF	York, Neb. (500)
KGCA KGCR KGCY KGCX KGDA KGDA KGDY KGEY KGEY KGER KGEY KGEY KGEY KGFI KGFI KGFI	York, Neis, (500)
KGEZ KGCR KGCW KGCW KGDA KGDA KGDE KGEF KGEF KGEF KGER KGER KGER KGEY KGFF KGFF KGFF KGFF KGFF KGFF KGFF KGF	Nork, Neb. (500) 930 Kennett, Mo. (250) 1230 Portland Ore. (100) 1420 Paragonid, Ark. (100) 1200 Enid. Okie. (100) 1370 Jerome Artic. (100) 1370 Jerome Artic. (100) 1210 Okaper. Wyo. (100) 1210 Okaper. Wyo. (100) 1210 Sait Lake City, Unin (1000) 1230 Devir's Lake, N. D. (1000) 1430 Burbank, Calif. (305) 780 Portland, Ore. (5000) 1780 Portland, Ore. (5000) 1780 Portland, Ore. (5000) 1280 Sacramenta. (2017. (100) 1330 Burbank, Calif. (500) 1780 Portland, Ore. (5000) 1280 Sacramenta. (2017. (100) 1310 Everett, Wash. (501) 370 Beaumont, Tex. (500) 560 Brookings, S. D. (500) 550 Denver, Col. (500) 920 St. Joseph, Mo. (2500) 680 Brookings, S. D. (500) 550 Denver, Col. (500) 920 St. Joseph, Mo. (2500) 680 Boone, In. (100) 1310 Wichita, Kan. (1000, 1310 Wichita, Kan. (1000, 1310 Okapeles, Calif. (5000), 120 Junean, Alaska (10) 1310 Pord du Lac, Wis. (100) 1420 Junean, Alaska (10) 1370 Grand Forks, N. D. (100), 1370 Fort Dodge, Ia. (100), 1370 Fort Dodge, Ia. (100), 1370 Fort Dodge, Ia. (100), 1370 Milford, Kan. (5000) 880 Milford, Kan. (5000) 890 Lincoln, Neb. (100), 1210 Morthfield, Minn. (1000), 1250 Dublian, Per. (100), 1370 Northfield, Minn. (1000), 1370 Northfield, Minn. (1000), 1370 Northfield, Minn. (1000), 1370 Northfield, Minn. (1000), 1370 Northfi
KGCK KGCK KGCX KGDA KGDA KGDA KGDY KGEY KGEK KGEW KGEZ KGFG KGFG KGFI KGFI KGFI KGFI KGFK KGFK	York, Nei, (500) 930 Deccrais, I.a. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1210 Mondan, N. D. (100) 1210 Molt Point, Mont. (100) 1310 Mitchell, S. D. (100) 1370 Pergus Falls, Minn. (100) 1200 Stockton, Galif. (250) 1100 Huron, S. D. (100) 1200 Los Angeles, Calif. (1000) 1300 Yums, Col. (30) 1200 Long Beach, Galif. (1000) 1300 Port Morgan, Col. (100) 1200 Lora, Col. (100) 1400 Alva, Ob. (100) 1400 Alva, Ob. (100) 1400 Alva, Ob. (100) 1400 Alva, Ob. (100) 1400 Corpus Christi, Tex. (100) 1500 Los Angeles, Calif. (100) 1200 Moorhead, Minn. (50) 1500 Raton, N. M. (50) 1370 Ravenna, Neb. (100) 1310
KGEZ KGCR KGCR KGCW KGDA KGDA KGDA KGDY KGEF KGER KGER KGER KGER KGFF KGFF KGFF KGFF KGFF KGFF KGFF KGF	York, Neis, (500)
KGEZ KGCR KGCR KGCX KGDA KGDA KGDA KGDA KGEK KGEK KGEK KGEK KGEK KGEF KGFF KGFF	York, Neb. (500) 930 Deccrab, I. a. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1210 Mandan, N. D. (100) 1210 Molf Point, Mont. (100) 1310 Mitchell, S. D. (100) 1370 Fergus Falls, Mino. (100) 1200 Stockton, Galif. (250) 1100 Huron, S. D. (100) 1200 Lora, Recipies, Calif. (1000) 1300 Lora, Robert, Galif. (1000) 1300 Lora, Robert, Galif. (1000) 1360 Port Morgan, Col. (100) 1200 Kalispell, Mont. (100) 1310 Alva, Okla, (100) 1420 Oklahoma Gity, Okla. (100)1370 Corpus Christi, Tex. (100) 1500 Los Angeles, Calif. (100) 1200 Moorhead, Minn. (50) 1500 Raton, N. M. (50) 1370 Ravenna, Neb. (100) 1370 Ravenna, Neb. (100) 1370 Ravenna, Neb. (100) 1370 Pierre, S. D. (200) 1800
KGCR KGCR KGCW KGCW KGDY KGDE KGDM KGDY KGEF KGER KGFF KGFF KGFF KGFF KGFF KGFF KGFF KGF	York, Nei, (500)
KGCA KGCR KGCW KGDW KGDA KGDA KGDA KGEK KGEK KGEK KGEK KGEK KGEK KGFF KGFF	York, Neb. (500) 930 Deccrab, I. a. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1210 Mondan, N. D. (100) 1210 Wolf Point, Mont. (100) 1310 Mitchell, S. D. (100) 1370 Fergus Falls, Minn. (100) 1200 Stockton, Galif. (2550) 1100 Huron, S. D. (100) 1200 Lung, G. (100) 1200 Lung, G. (100) 1200 Long, Beach, Galif. (1000) 1360 Fort Morgan, Col. (100) 1360 Fort Morgan, Col. (100) 1300 Alva, Okla, (100) 1310 Alva, Okla, (100) 1320 Oklahoma Gity, Okla. (100)1370 Corpus Christi, Tex. (100) 1500 Moorbead, Minn. (50) 1500 Raton, N. M. (500) 1500 Raton, N. M. (500) 1500 San Francisco, Calif. (100) 1420 Coffeyville, Kan. (500) 1010 Albuquerque, N. M. (250) 1230 Puehlo, Col. (250) 1320
KGCA KGCA KGCX KGCX KGDE KGDE KGDY KGEF KGER KGER KGEZ KGEZ KGFI KGFI KGFI KGFI KGFI KGFI KGFI KGFI	York, Neb. (500) 930 Deccrab, I. a. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1210 Mondan, N. D. (100) 1200 Wolf Point, Mont. (100) 1310 Mitchell, S. D. (100) 1370 Pergus Falls, Minn. (100) 1200 Stockton, Galif. (250) 1100 Huron, S. D. (100) 1200 Los Angeles, Calif. (1000) 1300 Yums, Col. (300) 1200 Los Angeles, Calif. (1000) 1300 Port Morgan, Col. (100) 1200 Los Angeles, Mont. (100) 1200 Oklahoma City, Okla. (1001) 1200 Corpus Christi, Tex. (100) 1500 Los Angeles, Calif. (100) 1200 Moorthead, Minn. (50) 1500 Raton, N. M. (50) 1370 Ravenna, Neb. (100) 1310 Pierre, S. D. (200) 580 San Francisco, Calif. (100) 1420 Coffeyville, Kan. (500) 1010 Albuquerque, N. M. (550) 1230 Puehlo, Col. (250) 1200 Puehlo, Col. (250) 1320 Little Rock, Ark. (100) 1200 Little Rock, Ark. (100) 1200
KGCA KGCR KGCX KGCX KGDE KGDE KGDE KGEY KGEY KGEY KGEY KGEY KGEY KGFF KGEY KGFF KGFF KGFF KGFF KGFF KGFF KGFF KGF	York, Neb. (500)
KGCA KGCR KGCR KGCX KGDA KGDE KGDE KGEY KGEY KGEY KGEY KGEY KGFI KGFI KGFI KGFI KGFI KGFI KGFI KGFI	York, Neb. (500) 930 Deccrab, I. a. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1210 Mold Point, Mont. (100) 1310 Mitchell, S. D. (100) 1370 Fergus Falls, Minn. (100) 1200 Stockton, Galif. (250) 1100 Muron, S. D. (100) 1200 Los Angeles, Calif. (1000) 1300 Fort Morgan, Col. (100) 1200 Calispell, Mont. (100) 1310 Alva, Okla, (100) 1420 Oklahoma Gity, Okls. (100) 1370 Corpus Christi, Tex. (100) 1500 Los Angeles, Calif. (100) 1200 Moorhead, Minn. (50) 1500 Raton, N. M. (50) 1370 Ravenna, Neb. (100) 1310 Pierre, S. D. (200) 1300 Raton, N. M. (50) 1370 Ravenna, Neb. (100) 1310 Okles Colleges, Calif. (100) 1200 Okles Colleges, Calif. (100) 1200 Moorhead, Minn. (50) 1500 Raton, N. M. (50) 1370 Ravenna, Neb. (100) 1310 Okles Colleges, Calif. (100) 1420 Okles Colleges, Calif. (100) 1420 Okles Colleges, Calif. (100) 1420 Okles Colleges, Calif. (100) 1320 Dittle Rock, Ark. (100) 1360 Trinidad, Col. (100) 1320
KGCA KGCR KGCR KGCR KGCR KGCR KGCR KGCA KGDA KGDA KGDA KGDA KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGC	York, Nei, (500)
KGCR KGCR KGCR KGCR KGCR KGCR KGCR KGCR	York, Neb. (500)
MGCA KGCR KGCR KGCR KGCR KGCA KGDA KGDA KGDA KGEY KGER KGER KGEY KGFI KGFI KGFI KGFI KGFI KGFI KGFI KGFI	York, Nei, (500)
KGCA KGCRU KGCRU KGCRU KGCRU KGCRU KGCRU KGCRU KGCRU KGCRU KGCRU KGFI KGFI KGFI KGFI KGFI KGFI KGFI KGFI	Tork, Neb. (500)
KGCA KGCA KGCUX KKGDA KKGDA KKGDA KGEF KGEF KGEF KGEF KGEF KGEF KGFF KGFF	York, Neb. (500)
KGEZA KGCU KGCU KGCU KGCU KGCU KGCU KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Neb. (500)
KGCA KGCU KGCU KGCU KGCU KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Neb. (500)
KGGZA KGCUX KGCUX KGCUX KGCUX KGCUX KGCUX KGCUX KGCUX KGCIX KCCIX KCIX K	York, Nei, (500)
KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Neb. (500)
KGGZA KGGCU KGCU KGCU KGCU KGCU KGCU KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Nei, (500)
KGBZA KGCU KGCU KGCU KGCU KGCU KGCU KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Neb. (500) 930 Decorah, I.a. (50) 1270 Waterlown, S. D. (100) 1210 Mandan, N. D. (100) 1200 Wolf Point, Mont. (100) 1310 Mitchell, S. D. (100) 1300 Weiger, Calif. (100) 1300 Mitchell, S. D. (100) 1200 Book Angeles, Calif. (1000) 1300 Yuma, Col. (50) 1200 Long Beach, Galif. (1000) 1300 Yuma, Col. (50) 1600 Kalispell, Mont. (1001) 1310 Alva, Okla. (100) 1320 Oklahoma Gity, Okla. (100) 1370 Corpus Christ, Tex. (100) 1800 Angeles, Calif. (100) 1370 Raton, N. M. (50) 1370 Raton, N. M. (50) 1370 Raton, N. M. (50) 1310 Pierre, S. D. (2000) 580 San Francisco, Calif. (100) 1420 Coffeyville, Kan. (500) 101 Albuquerque, N. M. (255) 1230 Puehlo, Col. (250) 1320 Little Rock, Ark (100)
KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Neb. (500)
KGGZA KGGOU KGGOU KGGUA KGGDA KGGPI KGGPI KGFI KGFI KGFI KGFI KGGPA KGGP	York Neb. (500) 930 Deccrab, 1a, (50) 1270 Waterlown S. (100) 1210 Mandan N. (100) 1200 Wolf Point, Mont. (100) 1300 Mitchell S. (100) 1300 Mitchell S. (100) 1200 Brekton Anilf (360) 1200 Los Angeles Calif. (1000) 1200 Los Angeles Calif. (1000) 1200 Log Beach Calif. (1000) 1200 Log Beach Calif. (1000) 1200 Log Beach Calif. (1000) 1300 Kaingell Mont (100) 1300 Kaingell Mont (100) 1300 Morbend Minn (50) 1370 Morbend Minn (50) 130 Pierre S. D(200) 580 Raton <t< td=""></t<>
KGCA KGCA KGCA KGCA KGCA KGCA KGCA KGCA	York, Neb. (500)
RGGZA RGGCU RGGCCU RGGCU RGGCU RGGCU RGGCU RGGCU RGGCU RGGCU RGGCU R	York, Neb. (500)
RGBZA RGCOU RG	York, Neb. (500)
RGGAA RGGCU KGGCU KGGCU KGGCU KGGCU KGGCA KGGCA KGGCA KGGA KGGA KGGA KGGA K	York, Neb. (500)
KGGZA KGGOU KGGOU KGGOU KGGDA KGGDA KGGDA KGGDA KGGDA KGGDA KGGBA KGGA KGGA KGGA KGGA KGGA KGGA KG	York Neb. (500) 930 Decorah 1a (50) 1270 Waterlown S. D. (100) 1210 Mandan N. D. (100) 1200 Wolf Point Month (100) 1310 Mitchell S. D. (100) 1300 Witchell S. D. 1300 1200 Brockton Galif (1000) 1200 Los Angeles Calif (1000) 1200 Los Angeles Calif (1000) 1300 Yuma CO (50) 1600 Angeles Alva Okla (100) 1300 Kaispell Mont (100) 1370 Oklahoma Glty Okla (100) 1370 Oklahoma Glty Okla (100) 1370 Corpus Christit (100) 1370 Rato N. M. (50) 1370 Rato <td< td=""></td<>
KGCA KGCOU KGCOU KGCOU KGCOU KGCOU KGCO KGCO KGCO KGCO KGCO KGCO KGCO KGCO	York, Neb. (500)

KJR	Seattle, Wash. (5000) 970
KLO	Orden. Utah (500) 1400
KLPM	Minot, N. D. (100)
KLS	Oskland, Calif. (250) 1440
KLX	Oskland, Calif. (500) 880
KMA	Shenandoah, Ia. (500) 930
KMAC	Kansas City Mo (1000) 950
KMCS	Inglewood, Calif
KMJ	Fresno, Calif. (100)
KMLB	Monroe, La. (50)
KMO	Tacoma, Wash. (500) 860
KMOX	St. Louis, Mo. (50000) 1090 Beverly Hills, Calif (500) 710
KMTR	Los Angeles, Calif. (1000) 570
KOA	Denver, Col. (12500) 830
KOAC	Corvallis. Ore. (1000) 550
Kocw	Chickasha, Okla. (250)1400
KOIL	Reno, Nev. (500) 1380
KOIN	Portland, Ore. (1000) 940
KOMO	Seattle, Wash, (1000) 920
KONO	San Antonio, Tex. (100)1370
KORE	Eugene, Ore. (100)
KOY	Phonix, Ariz. (1000)
KPJM	Prescott, Ariz. (100)
KPOF	Denver. Col. (500) 880
KPPC	Pasadena, Calif. (50)1210
KPRC	Houston, Tex. (1000) 920
KPSN	Pasadena, Calif. (1000)1360
KQW	San Jose, Calif. (500) 1010
KREG	Santa Ana. Calif. (100)
KRGV	Harlingen, Tex. (500)1260
KRMD	Shreveport, La. (50)
KROW	Oakland, Calif. (500) 930
KSAC	Manhattan, Kan. (500) 580
KSCJ	Sioux City, Ia. (1000)
KSEI	Pocatello, Ida. (250) 900
KSMR	Santa Maria, Calif. (100)1200
KSOO	Clarinda, Ia. (500) 1380
KSTP	St. Paul, Minn. (10000) 1460
KTAP	San Antonio, Tex. (100)1420
KTAR	Phonix, Ariz. (500) 620
KTBI	Los Angeles, Calif. (1000)1300
KTBS	Portland, Ore. (500)
KTFI	Twin Falls, Ida. (250)1320
KTLC	Houston, Tex. (100) 1310
KTM	Los Angeles, Calif. (500) 780 Muscatine, Ia. (5000)
KTRH	Houston, Tex. (500)1120
KTSL	Shreveport, La. (1000) 1310
KTSM	El Paso, Tex. (100)
KUJ	Longview, Wash. (100)1370
KUSD	Vermilion, S. D. (500) 890
KUT	Austin, Tex. (100)
KVL	Seattle, Wash. (100)1370
KVOO	Tulsa, Okla. (5000)
KVOS	Bellingham, Wash. (100) 1200
KWEA	Shreveport, La. (100)
KWG	Stockton, Calif. (100)
KWK	St. Louis, Mo. (1000)1350
KWKH	Shreveport, La. (10000) 850
KWLC	Decorah, Ia. (100)
KWWG	Brownsville, Tex. (500) 1260
KXL	Portland, Ore. (100)
KXO	El Centro, Calif. (100)
KXYZ	Houston, Tex. (100) 1420
KYW	San Francisco, Calif. (1000) 1230 Chicago, Ill. (10000) 1020
KZM	Hayward, Calif. (100)
WAAM	Newark, N. J. (1000) 1250
WAAT	Omaha, Neb. (500) 660
WABC	New York, N. Y. (5000) 860
WABZ	New Orleans, La. (100)1200
WACO	Waco, Tex. (1000) 1240
WATU	Columbus, O. (500)
WAPI	Birmingham, Ala. (5000)1140
WASH	New York City 1350
WBAA	Lafayette, Ind. (500)
WBAL	Baltimore, Md. (10000) 1430
WBAY	Wilkes-Barre, Pr. (100) 800
WBBC	Brooklyn, N. Y. (500)1400
WBBR	Brooklyn, N. Y. (1000)1300
WBBZ	Ponea City. Okla. (100) 1200 Bay City. Mich. (500) 1410
WBEN	Buffalo, N. Y. (1000) 900
WBGF	Glean Falls, N. Y. (50) 1370
WBIG	Seattle, Wash. (5000) 970 Blytheville, N. (500) 1290 Ogden, Utal (500) 1400 Minot, N. D. (100) 1420 Little, Rock, Ark. (1000) 1390 Onkland, Calif. (500) 880 Denver, Col. (1000) 580 Sen Antonio, Tex. 1377 Kansas City, Mo. (1000) 950 Inglewood, Calif. (500) 950 Inglewood, Calif. (100) 1310 Pressno, Calif. (100) 1310 Pressno, Calif. (100) 1310 Pressno, Calif. (100) 1310 Pressno, Calif. (100) 140 Tacoma, Wash. (500) 860 St. Louis, Mc. (50000) 1090 Beverly Hills, Calif. (500) 100 Clay Centr. Neh. (1000) 740 Tacoma, Wash. (500) 860 St. Louis, Mc. (50000) 1090 Beverly Hills, Calif. (500) 100 Corvallis, Ore. (12500) 830 Corvallis, Ore. (12500) 830 Corvallis, Ore. (12500) 830 Corvallis, Ore. (1000) 940 Corvallis, Ore. (1000) 950 Chickasha, Okla, (250) 1400 Reno, Nev. (500) 1800 Concil Bluffs, Ia. (1000) 1250 Portland, Ore. (1000) 940 Seattle, Wash. (1000) 1270 Seattle, Wash. (1000) 1270 Seattle, Wash. (1000) 1370 Marshfeld, Ore. (1000) 1370 Marshfeld, Ore. (1000) 1370 Marshfeld, Ore. (1000) 1370 Energie, Ore. (1000) 1370 Energie, Ore. (1000) 1370 Seattle, Wash. (1000) 1500 San Francisco, Calif. (1000) 1800 San Jesse. Calif. (1000) 1370 Santa Ana. Calif. (100) 1370 Santa Ana. Calif. (100) 1370 Santa Ana. Calif. (100) 1370 Santa Ana. Calif. (1000) 1370 Santa Mars. Calif. (1000) 1370 Prescoto, Art. (1000) 1200 Chickand. Calif. (1000) 1370 Prescoto, Art. (1000) 1370 Santa Mars. Calif. (1000) 1370 Santa Mars. Calif. (1000) 1370 Prescoto, Art. (1000) 1200 Calinda, Ital. (1000) 1370 Prescoto, Art. (1000) 1200 Calinda, Ital. (1000) 1370 Prescoto, Art. (1000) 1200 Calinda, Calif. (1000) 1370 Prescoto, Art. (1000) 1200 Calinda, Ore. (1000) 1200 Calinda, Ore. (

WBIS	Boston, Mass. (1000)	23
WBMS	New York City (250)	35
WBOW	Terre Haute, Ind. (100)	31
WBRE	Wilkes-Barre Pa (100)	93
WBSO	Wellesley Hills, Mass. (250)	92
WBTM	Danville, Va. (100)	37
WBZ	Springfield, Mass. (15000)	95
WCAC	Storrs, Conn. (250)	60
WCAD	Canton, N. Y. (500)	22
WCAH	Columbus, O. (500)	43
WCAI.	Northfield Minn (1000)	59
WCAM	Camden, N. J. (500)1	28
WCAP	Asbury Park, N. J. (500)	28
WCAT	Rapid City, S. D. (100) 1	20
WCAX	Burlington, Vt. (100) 1	20
WCAZ	Carthage, Ill. (50)	07
WCBD	Zion. Ill. (5000)	08
WCBM	Baltimore, Md. (100)1	37
wcco	Minneapolis, Minn. (7500)	81
WCCP	New York City (250)	35
WCFL	Chicago, Ill. (1500)	97
WCHI	Chicago, Ill.	49
WCKY	Covington, Ky. (5000)	49
WCLO	Janesville, Wis. (100)	20
WCLS	Joliet, III. (100)	31
WCOA	Pensacola, Fla. (500)	34
WCOD	Harrisburg, Pa (100)	20
WCOH	Yonkers, N. Y. (100)1	21
WCSC	Charleston, S. C. (500)	36
WCSH	Portland, Me. (1000)	94
WDAE	Kansas City, Mo. (1000)	61
WDAG	Amarillo, Tex. (1000)	41
WDAY	Fargo, N. D. (1000)	94
WDBJ	Orlando Fla (500)	93
WDEL	Wilmington, Del. (250)1	12
WDIX	Tupelo, Miss. (100)	50
WDOD	Chattanooga, Tenn. (1000)	28
WDSU	New Orleans, La. (1000) 1	25
WDWF	Providence, R. I. (100)1	21
WEAF	New York City (50000)	66
WEAL	Providence R. I. (250)	27
WEAO	Columbus, O. (750)	57
WEBC	Harrisburg, Ill. (100)	29
WEBR	Buffalo, N. Y. (100)	31
WEDH	Erie, Pa. (100)1	42
WEEL	Boston, Mass. (1000)	59
WEHS	Evanston, Ill. (100)1	42
WELL	Philadelphia, Pa. (100) 1 Battle Creek, Mich. (50)	37
WENR	Chicago, Ill. (50000)	87
WEVD	New York City (500)	30
WEW	St. Louis, Mo. (1000)	76
WFAA	Dallas, Tex. (50000)	80
WFAN	Knoxville, Tenn (500)	61
WFBE	Cincinnati, O. (100)1	20
WFBL	Syracuse, N. Y. (1000)	36
WEBM	Indianapolis, Ind (1000)1	36 23 27
WFDF	Flint, Mich. (100) 1	31
WFDV	Rome, Ga. (100)	37
WFI	Philadelphia, Pa. (500)	56
WFLA	Clearwater, Fla. (1000)	94 62
WFOX	Brooklyn, N. Y. (250)1	40
WGAR	Cleveland, O. (500)	45
WGBB	Freeport, N. Y. (100) 1	21
WGBF	Evansville, Ind. (500)	63
WGBI	New York City (250)	18
WGCM	Gulfport, Miss. (100)1	21
WGES	Chicago, Ill. (500) 1	36
WGH	Newport News, Va. (100)1	31
WGN	Chicago, Ill. (25000)	72
WGR	Atlanta Gn (350)	55
WGY	Schenectady, N. Y. (50000)	79
WHAD	Milwaukee, Wis. (250)1	12
WHAP	New York City (1990) 1	15
WHAS	Louisville, Ky. (10000)	82
WHAT	Troy, N. Y. (500)	31
WHB	Kansas City, Mo. (500)	86
WHBD	Mt. Orab. O. (100)	37
WHEF	Shehayean Wis (500)	21
WHBQ	Memphis. Tenn. (100)	37
WHBY	Green Bay, Wis. (100)	20
WHDF	Calumet, Mich. (190)1	37
WHDI	Minneapolis, Minn. (500)	18
WHDL	Tupper Lake, N. Y. (10)1	42
WHFC	Boston, Mass. (1000) Hackensack, N. J. (250) Hackensack, N. J. (250) Hackensack, N. J. (250) Harder, City (250) Terre Haute, Ind. (1001) Birmingham, Ala. (300) Wikkes, Barrer, Pan. (1002) Birmingham, Ala. (300) Birmingham, Ala. (300) Boston, Mass. (500) Soston, Mass. (500) Boston, Mass. (500) Columbus, O. (500) Latinon, N. Y. (500) Baltimore, Md. (220) Asbury Park, N. J. (500) Baltimore, Md. (100) Boston, Mass. (500) Brooklyn, N. Y. (500) Brooklyn, N. Y. (500) Brooklyn, N. Y. (500) Brooklyn, N. Y. (500) Columbus, Mass. (100) Joinet, Hi. (100) Culver, Ind. (500) Bartimore, Mc. (100) Brooklyn, Mass. (500) Harrisburg, Pa. (100) Harrisburg, Pa. (100) Forenam, R. (100) Forenam, R. (100) Fargo, N. D. (1000) Fargo, N. Y. (100) Harrisburg, Hi. (100) Foreidence, R. I. (100) Freeling, Hi.	42

	and the second second
WHIS	Bluefield, W. Va. (250)1410 Cleveland, O. (1000)1390
WHN	New York City (250)
WHOM	Jersey City, N J. (500)1450
WIAS	Ottumwa, Ia. (100) 1420
WIBG	Elkins Park, Pa. (50) 930
WIBO	Chicago, Ill. (1000)
WIBR	Topeka, Kan. (1000) 580
WIEC	Utica, N. Y. (100) 1200
WIL	St. Louis, Mo. (100)
WILM	Wilmington, Del. (100)1420
WIP	Philadelphia, Pa. (500) 610
WISJ	Madison, Wis. (500) 780
WJAC	Johnstown, Pa. (100)
WJAG	Marion, Ind. (50) 1310
WJAR	Providence, R. I. (250) 890 Pittsburgh, Pa. (1000) 1290
WJAX	Jacksonville, Fla. (1000) 900 Cleveland, O. (500) 610
WJAZ	Chicago, Ill. (5000)
WJBI WJBK	Red Bank, N. J. (100)
WJBL WJBO	Decatur, Ill. (100) 1200 New Orleans, La. (100) 1420
WJBU	Lewisburg, Pa. (100) 1210 New Orleans, La. (30) 1200
WJBY	Gadsden, Ala. (50) 1210 Jackson, Miss. (1000) 1270
WJJD	Mooseheart, Ill. (20000)1130 Gary, Ind. (1000) 1360
WJR	Detroit, Mich. (5000) 750
WJW	Mansfield, O. (100) 1210 New York City (30000) 760
WKAR	San Juan, P. R. (500) 890 E. Lansing, Mich. (1000) 1040
WKAV	Joliet. III. (100) 1310
WKBC	Birmingham, Ala. (100) 1310 Indianapolis Ind (100) 1400
WKBH	La Crosse, Wis. (1000) 1380
WKBN	Youngstown, O. (500) 570
WKBQ	New York City (250)
WKBV	Connersville, Ind. (100) 1500
WKBZ	Ludington, Mich. (50) 1500
WKRC	Cincinnati, O. (500)
WKZO	Kalaniazoo, Mich. (1000) 500
WLAP	Louisville, Ky. (100) 1200
WLBC	Muncie, Ind. (50)
WLBF	Ransas City, Kan. (100)1420 Petersburg, Va. (100)1200
WLBL	Oil City, Pa. (500) 1260
WLBX	Bluefield, W. Va. (250)
WLCI	Medford, Mass. (500) 1210
WLEY	Philadelphia, Pa. (500)
WLOE	Boston, Mass. (100)
WLSI WLTH	Brooklyn, N. Y. (500)
WLVA	Lynchburg, Va. (100)
WLWL	New York City (5000)1100 Syracuse N. Y. (250)
WMAK WMAL	Buffalo, N. Y. (1000) 1040 Washington, D. C. (250) 630
WMAQ WMAZ	Chicago, Ill. (5000)
WMBA	Newport, R. I. (100)
WMBD	Peoria Heights, Ill. (500)1440 Richmond, Va. (100)
WMBH	Joplin, Mo. (100)
WMBO	Auburn, N. Y. (100) 1310 Brooklyn, N. Y. (100) 1500
WMER	Tampa, Fla. (100)
WMCA	New York City. (500) 570
WMPC	Lapeer, Mich. (100)
WMSG	New York City (250) 1350
WNAC	Boston, Mass. (1000) 1230
WNAX	Yankton, S. D. (1000)
WNBH	New Bedford, Mass. (100)1800
WNBR	Memphis, Tenn. (1000)1430
WNBX	Springfield, Vt. (10) 1200
WNJ	Newark, N. J. (250)
WNYC	New York City (500) 570
WOAX	Trenton, N. J. (500)
WOBU	Charleston, W. Va. (250) 580
WOCL	Jamestown, N. Y. (50) 1210
WODX	Mobile, Ala. (500)
WOKO	Albany, N. Y. (500) 1430
WOL	Manitowoe, Wis. (100)1210
WOOD	Bristol, Tenn. (100)
WOR	Newark, N. J. (5000)
WORC	Jefferson City. Mo. (500) 630
WOV	Omaha, Neb. (1000) 590
WPAD	Paducah, Ky. (100) 1420
WPAP	New York City (200)1010

S. Kyc. Stations Hear S. 550 ← S. 550 ← S. 560 ← S. 570 ← S. 580 ← S. 590 ← C. 610 ← 620 ← 630 ← 640 ← 650 ← 670 ← 680 ← 670 ← 720 ← 730 ← 740 ← 750 ← 770 ← R. 780 ← 790 ← 800 ← 810 ← 820 ← 830 ← 840 ← 850 ←	WPAW Pawtucket, R. I. (100) 1210 CHY	N. Chilliwack, B. C. (5) 1210	Ala. N Ariz. H Ark. H Calif. I	KTHS 1040 KLRA 1390 KGO 790 KPO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 N.D.	WABC 860 WEAF 660 WJZ 760 WBEN 900 WGR 550 WKBW 1480 WHAM 1150 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570
550 ← 550 ← 560 ← 560 ← 580 ← 590 ← 600 ← 610 ← 620 ← 630 ← 640 ← 650 ← 660 ← 670 ← 680 ← 690 ← 720 ← 730 ← 740 ← 750 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 8 780 ← 8 780 ← 8 780 ← 8 780 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ← 8 800 ←	WPCH New York City (500)	R Regina, Sask. (500). 960 A Edmonton, Alta. (500). 930 B Sydney, N. S. (50). 880 C London, Ont. (500). 960 C London, Ont. (500). 960 C London, Ont. (500). 910 C Montreal, Que. (500). 730 C Loronto, Ont. (500). 960 C Wolville, N. S. (50). 960 C Wolville, N. S. (500). 960 C Wolvi	Ala. N Ariz. H Ark. H Calif. I	WAPI 1140 N.Y. WBRC 930 KTAR 620 KTHS 1040 KLRA 1390 KGO 790 KFO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 WDRC 1330 WMAL 630 WRC 950 WFLA 620 WJAX 900 WJAX 900 WJAM 560	WABC 860 WEAF 660 WJZ 760 WBEN 900 WGR 550 WKBW 1480 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
560 ← 560 ← 570 ← 580 ← 590 ← 600 ← 610 ← 620 ← 630 ← 630 ← 640 ← 650 ← 660 ← 670 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 8 780 ← 8 780 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ← 8 80 ←	WPG	B Sydney, N. S. (50) 880 C London, Ont. (5000) 690 C London, Ont. (5000) 910 C Verton, Sask. (500) 630 C Leibbridge, Alta. (50) 1120 M Yorkton, Sask. (500) 600 M Yleming, Sask. (500) 600 M Yleming, Sask. (500) 600 M Yleming, Sask. (500) 600 D Vancouver, B. C. (50) 730 D Vancouver, B. C. (500) 780 D Vanc	Ariz. I Ark. I Calif. I	WBRC 930 KTAR 620 KTHS 1040 KLRA 1390 KGO 790 KPO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 WDRC 1330 WMAL 630 WNAL 630 WNC 950 WFLA 620 WJAX 900 WJAX 900 WJAX 900 WJAM 560	WEAF 660 WJZ 760 WBEN 900 WGR 550 WKBW 1480 WHAM 1150 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
570 ← 580 ← 580 ← 580 ← 600 ← 600 ← 600 ← 620 ← 630 ← 640 ← 650 ← 660 ← 670 ← 720 ← 730 ← 730 ← 750 ← 760 ← 770 ← 8 780 ← 820 ← 830 ← 830 ← 840 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ← 850 ←	WPSC State College, Pa. (500)1230 CZG WPFF Raleigh, N. C. (1000) 680 CJG WQAM Miami, Fla. (1000) 680 CJG WQAM Scranton, Ps. (250) 880 CJG WQAM Scranton, Ps. (250) 1010 CJG WQAM Scranton, Ps. (250) 1010 CJG WQAM Scranton, Ps. (100) 1210 CJG WQAM Scranton, Ps. (100) 1210 CJG WQAM WQAM Thomasville, Gs. (100) 1210 CJG WQAM WGAM Reading, Ps. (100) 1210 CJG WRAK WGAM Reading, Ps. (100) 1310 CJG WRBJ WRBJ Hattlesburg, Miss. (10) 1370 CJG WRBJ WRBJ Hattlesburg, Miss. (100) 1210 CJG WRBJ WGAM WGAM Scranton, Scranton, Scranton, WGAM WGA	C London, Ont. (5000) 910 C London, Ont. (5000) 630 C Letibbridge, Alta (50) 1120 M Moose Jaw, Sask. (500) 600 M Fleming, Sask. (500) 600 M Fleming, Sask. (500) 600 C Letibbridge, Alta (500) 730 C Letibbridge, Que. (500) 880 C Ottawa, Ont. (100) 890 C Vancourer, B. C. (50) 730 C Letibridge, Alta (500) 730 C Letibridge, Alta (500) 730 C Letibridge, Man. (500) 740 C Leti	Ariz. I Ark. I Calif. I	KTAR 620 KTHS 1040 KLRA 1390 KGO 790 KFO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 KFSD 600 KIZ 560 WTIC 1060 WDRC 1330 WMAL 630 WMAL 630 WHAL 620 WJAX 900 WJAX 900 WOD 1300 WQAM 560	WJZ 760 WBEN 900 WGR 550 WKBW 1480 WHAM 1150 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 680 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
580 ← 590 ← 590 ← 600 ← 620 ← 630 ← 640 ← 650 ← 660 ← 670 ← 680 ← 700 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 800 ← 810 ← 820 ← 830 ← 830 ← 840 ← 850 ← 850 ← 850 ← 850 ←	WQAM Miami, Fla. (1000) 550 CIO WQAM Scranton, Ps. (250) 880 CIO WQAO Scranton, Ps. (250) 880 CIO WQAO New York City (250) 1010 CIR WQBC Vicksburg, Miss. (300) 1350 CIR WQBC Vicksburg, Miss. (300) 1350 CIR WQBC Thomasville, Ga. (100) 1210 CIK WAAK Williamsport, Ps. (100) 1370 CIK WRBJ WRBI Tifton, Ga. (100) 1370 CIK WRBJ WRBI Tifton, Ga. (100) 1370 CIK WRBJ WRBI Columbus, Ga. (50) 1200 CIK WRBJ WRBI Columbus, Ga. (50) 1200 CIK WRBJ WRBI Columbus, Ga. (50) 1200 CIK WRBJ WRBI Wilmigton, N. C. (100) 1370 CIK WRBJ WRB	C Leithbridge, Alta (50). 1120 R Sea Island, B. C. (50). 1210 M Moose Jaw, Sask. (500). 600 W Fleming, Sask. (500). 600 LC Montreal, Que. (500). 730 LC Montreal, Que. (500). 730 LC Montreal, Que. (500). 730 LC Montreal, Que. (500). 980 LC Montreal, Que. (500). 980 LC Montreal, Que. (500). 980 LC Marcolon, Sask. (500). 980 LC Regina, Sask. (500). 980 LC Waterloo, Ont. (50). 1010 LC Waterloo, Ont. (50). 1010 LC Waterloo, Ont. (500). 690 LC Waterloo, Ont. (500). 690 LC Waterloo, Ont. (500). 690 LC Waterloo, Ont. (500). 730 LC Red Deer, Alta. (1000). 840 LC Cobalt, Ont. (50). 720 LC Toronto, Ont. (500). 730 LC Red Deer, Alta. (1000). 730 LC Hamilton, Ont. (50). 730 LC Montreal, Ont. (50). 930 LC Montreal, Ont. (500). 930 LC Montreal, Ont. (50	Ark. H Calif. I	KTHS 1040 KLRA 1390 KGO 790 KPO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 N.D. WDRC 1330 WMAL 630 Ohio WFLA 620 WJAX 900 WJAX 900 WJAM 560	WBEN 900 WGR 550 WKBW 1480 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
T 600 ← C 610 ← C 620 ← 630 ← 630 ← 650 ← 650 ← 650 ← 650 ← 700 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 8 780 ← 8 780 ← 8 780 ← 8 780 ← 8 780 ← 8 8 780 ←	WQAO New York City (250)	M Moose Jew, Sask. (500). 600 W Fleming, Sask. (500). 600 W Fleming, Sask. (500). 600 W Fleming, Sask. (500). 600 M Fleming, Sask. (500). 730 D Vancouver, B. C. (50). 730 D Vancouver, B. C. (50). 730 D Vancouver, B. C. (50). 880 Ottawa, Ont. (100). 890 C Ottawa, Ont. (100). 890 D Ottawa, Ont. (100). 890 W Toronto, Ont. (500). 690 C Vancouver, B. C. (50). 930 C Red Deer, Alta. (1000). 840 G Cobais, Ont. (15). 1210 G Vancouver, B. C. (50). 730 D C Vancouver, B. C. (50). 730 D C Perston, Ont. (500). 580 D C D C Perston, Ont. (500). 690 D C D C Perston, Ont. (500). 690 D C D C C Perston, Ont. (500). 840 D C C C C C C C C C C C C C C C C C C C	Calif. I	KLRA 1390 KGO 790 KPO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 WTIC 1060 N.D. WDRC 1330 WMAL 630 Ohio WFLA 620 WJAX 900 WJAX 900 WQAM 560	WGR 550 WKBW 1480 WHAM 1150 WHEC 1440 WGY 1360 WWKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
C 610 ← 620 ← 630 ← 630 ← 640 ← 650 ← 660 ← 670 ← 680 ← 700 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 8 780 ←	WODM St. Albans, Vt. (100)	Los Lichards Canal Colon	Calif. I	KGO 790 KPO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 WTIC 1060 N.D. WDRC 1330 WMAL 630 WFC 950 WFLA 620 WJAX 900 WJAX 900 WJAM 560	WKBW 1480 WHAM 1150 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
620 ← 630 ← 640 ← 640 ← 650 ← 650 ← 650 ← 650 ← 670 ← 680 ← 700 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 8 780 ← 8 780 ← 8 790 ← 8 800 ← 8 810 ← 8 820 ← 8 830 ← 8 840 ← 8 850 ← 8 850 ← 8 850 ←	WRAF La Porte, Ind. (100)	Quebec Que. (22½) 380	1	KPO 680 KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 N.D. WDRC 1330 WMAL 630 Ohio WRC 950 WFLA 620 WJAX 900 WJAX 900 WJAM 560	WHAM 1150 WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
630 ← 640 ← 650 ← 650 ← 660 ← 670 ← 680 ← 690 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 8 780 ← 8 790 ← 8 790 ← 8 790 ← 8 790 ← 8 790 ← 8 800 ← 8 810 ← 8 820 ← 8 830 ← 8 840 ← 8 840 ← 8 850 ← 8 850 ←	WRAW Reading Pa. (100)	Section Sect	Col. II Conn. \ D. C. \ Fla. \ \ Ga. \	KFRC 610 KECA 1430 KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 WDRC 1330 WMAL 630 WMAL 630 WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WHEC 1440 WGY 790 WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
640 ← 650 ← 650 ← 660 ← 670 ← 680 ← 690 ← 720 ← 720 ← 730 ← 740 ← 750 ← 770 ← 8 780 ← 790 ← 8 10 ← 820 ← 830 ← 840 ← 850 ← 870 ← 890 ←	WRELL	OR	Col. II Conn. \ D. C. \ Fla. \ Ga. \	KECA 1430 KFI 640 KHJ 900 KFSD 600 KLZ 560 WTIC 1060 WDRC 1330 WMAL 630 WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WGY 790 WFBL 1360 WOKO 1440 WBT 680 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
650 ← 660 ← 670 ← 680 ← 690 ← 700 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 800 ← 800 ← 810 ← 820 ← 830 ← 840 ← 850 ← 870 ← 890 ←	WREL Columbus, Ga	A Secretary Company Co	Col. II Conn. \ D. C. \ Fla. \ Ga. \	KFI 640 KHJ 900 KFSD 600 N.C. KOA 830 KIZ 560 WTIC 1060 N.D. WDRC 1330 WMAL 630 Ohio WFLA 620 WJAX 900 WJAX 900 WJOD 1300 WQAM 560	WFBL 1360 WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
660 ← 670 ← 680 ← 690 ← 700 ← 720 ← 720 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 800 ← 810 ← 820 ← 830 ← 840 ← 840 ← 850 ← 870 ← 890 ←	WRET Wilmington N C (100) 1370 OKI WREX Roanolec No. (250) 14410 OKI WREX Roanolec No. (250) 14410 OKI WRED Roanolec No. (250) 14410 OKI WRED Roanolec No. (250) 14410 OKI WRED Roanolec Roanolec No. (250) 1500 OKI WRED Roanolec Roanol	Two Market (1900) 100	Col. I Conn. \ D. C. \ Fla. \	KHJ 900 KFSD 600 N.C. KOA 830 WTIC 1060 N.D. WDRC 1330 WMAL 630 WRC 950 WFLA 620 WJAX 900 WJOD 1300 WQAM 560	WOKO 1440 WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
680 ← 690 ← 700 ← 720 ← 730 ← 740 ← 750 ← 760 ← 770 ← 8 780 ← 790 ← 800 ← 810 ← 820 ← 830 ← 840 ← 840 ← 850 ← 850 ← 870 ← 890 ←	WRC Washington, D. C. (500) 950 CK	Cobalt, Con. 115, 100, 340 Cobalt, Con. 115, 100, 320 Cot Toronto, Ont. (500) . 530 Cot Toronto, Ont. (25) . 1210 Cot Toronto, Ont. (25) . 1210 Cot Toronto, Ont. (25) . 1210 Cot Maillon, Ont. (50) . 930 Cot Toronto, Alta. (500) . 580 Cot Toronto, Alta. (500) . 540 Cot Toronto, Na. (500) . 540 Cot Toronto, Na. (500) . 630 Cot Toronto, Cot Toronto, Cot Toronto, Ont. (500) . 910 Cot Toronto, Ont. (500) . 960 Cot Toronto, Ont. (5000) . 960 Cot T	Conn. \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	KFSD 600 N.C. KOA 830 KLZ 560 WTIC 1060 N.D. WDRC 1330 WMAL 630 WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WBT 1080 WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
690 ← 700 ← 720 ← 730 ← 730 ← 750 ← 760 ← 770 ← 8 780 ← 780 ← 800 ← 810 ← 820 ← 830 ← 870 ← 890 ←	WEDW Augusta, Ga. (100)	A Moneton, N. B. (500). 730 Carlotte, M. (500). 780 Carlotte, M. (500). 580 Carlotte, M. (500). 580 Carlotte, M. (500). 680 Carlotte, M. (500). 680 Carlotte, M. (500). 680 Carlotte, M. (500). 680 Carlotte, M. (500). 840 Carlotte, M. (500). 780 M. Montreal, Que. (500). 780 M. Montreal, Que. (500). 780 Carlotte, M. (500). 840 Carlotte, M. (500). 980 X. Toronto, Ont. (5000). 980 Y. Toronto, Ont. (5000). 690 Cuba Cuba Cuba	Col. II Conn. V D. C. V Fla. V Ga. V	KOA 830 KLZ 560 WTIC 1060 N.D. WDRC 1330 WMAL 630 Ohio WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WPTF 680 WWNC 570 WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
700 ← 720 ← 730 ← 730 ← 740 ← 750 ← 760 ← 770 ← R 780 ← 790 ← 800 ← 810 ← 820 ← 830 ← 870 ← 890 ←	WEEN	Color Colo	Conn. N D. C. N Fla. N	WTIC 1060 N.D. WDRC 1330 VMAL 630 Ohio WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WDAY 940 KFYR 550 WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
720 ← 730 ← 740 ← 750 ← 760 ← 770 ← R 780 ← 790 ← 800 ← 810 ← 820 ← 830 ← 870 ← 870 ← 890 ←	WRING Shinespoins Minh. (1909) 1230 GX WRING Minh. (1909) 1370 GX WRING Minh. (1909) 1280 GX GX WRING Minh. (1909) 1380 GX GX WRING Minh. (1909) 1380 GX Mi	Art Midland, Ont. (50) 930 A Edmonton, Alta. (500) 580 A Edmonton, Alta. (500) 730 B Brandon, Man. (500) 740 A Moncton, N. B. (500) 630 A Moncton, N. B. (500) 630 A Moncton, N. B. (500) 630 C Calgary, Alta. (500) 840 B Halliar, N. B. (500) 730 C Ottawa, Ont. (500) 730 C Ottawa, Ont. (500) 730 C Quebec, Que. (50) 880 R Regins, Sask. (500) 960 S Saskaton, Sask. (500) 960 S Saskaton, Sask. (500) 730 C Toronto, Ont. (500) 730 W Winnipeg, Man. (500) 730 W Winnipeg, Man. (500) 780 W Vancouver, B. C. (500) 1030 W Winnipeg, Man. (5000) 780 W Toronto, Ont. (500) 690 C Toronto, Ont. (5000) 960 C Toronto, Ont. (5000) 690 C Toronto, Ont. (5000) 990 C Toronto, Ont. (5000) 9	Conn. N.	WDRC 1330 WMAL 630 Ohio WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
730 ← 740 ← 740 ← 740 ← 760 ← 760 ← 770 ← R 780 ← 790 ← 800 ← 810 ← 820 ← 830 ← 870 ← 870 ← 890 ←	WROLL New York 1978 1979 1970 19	A Vancouver, B. C. (100) 730 E Brandon, Man. (500) 740 Munnipeg, Man. (5000) 780 A Moncton, N. B. (500) 630 A Moncton, N. B. (500) 680 Brad Deer, Alta. (1000) 840 Hed Deer, Alta. (1000) 840 Hed Deer, Alta. (1000) 840 Hed Deer, Alta. (500) 910 L London, On. (500) 300 O Ottawa, Ont. (500) 860 Q Quebec, Que. (50) 860 R Regins, Sask. (500) 960 S Saskatoon, Sask. (500) 960 S Saskatoon, Sask. (500) 780 W Winnipeg, Man. (5000) 780 W Winnipeg, Man. (5000) 780 W Winnipeg, Man. (5000) 690 Toronto, Ont. (5000) 690 CUBA	D. C. V	WMAL 630 Ohio WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WSPD 1340 WTAM 1070 WGAR 1450 WHK 1390
740 ← 750 ← 760 ← 760 ← 770 ← 8 780 ← 790 ← 800 ← 810 ← 820 ← 820 ← 860 ← 870 ← 890 ←	Walt	Winnipeg, Man. (5000) 780 A Moneton, N. B. (500) 630 C Calgary, Alta (500) 690 Red Deer, Alta. (1000) 840 H Halifax, N. S. (500) 910 C Cuba. (500) 910 C Cuba. (500) 910 Cuba. (500) 910 Cuba. (500) 910 Toronto, Ont. (500) 960 W Winnipeg, Man. (5000) 960 W Vancouver, B. C. (500) 960 W Vancouver, B. C. (500) 960 Y Toronto, Ont. (500) 780 W Winnipeg, Man. (5000) 780 Toronto, Ont. (500) 690 C Toronto, Ont. (5000) 690 Cuba.	Fla. V	WRC 950 WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WTAM 1070 WGAR 1450 WHK 1390
750 ← 760 ← 760 ← 770 ← R 780 ← 790 ← 800 ← 810 ← 820 ← 820 ← 860 ← 870 ← 890 ←	WSVA Richmond, Va. (5000) 1110 CMF	Calgary, Alta. (500) 690 Red Deer, Alta. (1000) 840 Halifax, N. S. (500) 910 London, Ont. (500) 910 Montreal, Que. (5000) 910 Ottawa, Ont. (500) 600 Ottawa, Ont. (500) 880 Regins, Sub. (500) 880 Saskatoon, Sask. (500) 910 Toronto, Ont. (500) 840 V Vancouver, B. C. (500) 930 W Winniper, Man. (5000) 780 W Winniper, Man. (5000) 780 Y Toronto, Ont. (5000) 690 Cuba. Cuba. Cuba.	Fla. N	WFLA 620 WJAX 900 WIOD 1300 WQAM 560	WGAR 1450 WHK 1390
770 ← R 780 ← 770 ← R 780 ← 790 ← 800 ← 810 ← 820 ← 830 ← 860 ← 870 ← 890 ←	WSAJ Grove City, Pa. (100) 1310 CNF	Haifax, N. S. (500). 910 London, Ont. (500). 910 Montreal, Que. (5000). 730 Ottawa, Ont. (500). 600 Quebec, Que. (500). 880 Regins, Sask. (500). 960 R. Regins, Sask. (500). 960 V. Toronto, Ont. (500). 810 V. Vancouver, B. C. (500). 1030 W. Winniper, Man. (5000). 780 Y. Toronto, Ont. (4000). 960 Y. Toronto, Ont. (4000). 960 Y. Toronto, Ont. (5000). 690 C. Toronto, Ont. (5000). 690 C. Toronto, Ont. (5000). 920 D. Caibarien (250). 920	Ga.	WJAX 900 WIOD 1300 WQAM 560	WHK 1390
710 ← 710 ← 790 ← 800 ← 810 ← 820 ← 830 ← 860 ← 870 ← 890 ←	WSAR Fall River, Mass. (250) 1450 CNR WSAE Huntington, W. Va. (1000) 580 CNR WSBE Atlanta, Ga. (5000) 740 CNR WSBE Chiego, III. (100) 1210 CNR WSEN Columbus, O. (50) 1210 CNR WSEN COLUMBUS, C. (100) 120 CNR WSIS WSIS CNR C	M Montreal, Que. (5000)	Ga.	WIOD 1300 WQAM 560	
790 ← 800 ← 810 ← 820 ← 830 ← 830 ← 830 ← 860 ← 870 ←	WSB Atlanta, Ga. (5000)	Q Quebec, Que, (50) \$80 R Regins, Sask (500) 960 S Saskatcon, Sask (500) \$910 T Toronto, Ont (500) 840 V Vancouver, B. C. (500) 1030 Walnipeg, Man (5000) 780 G Toronto, Ont (4000) 960 T Toronto, Ont (5000) 690 CUBA ID Caibarien (250) 920	Ga.	WQAM 560	WADC 1320
800 ← 810 ← 820 ← 830 ← 860 ← 870 ←	WoBT South Bend, Ind. (500) 1230 CMF WSEN Columbus, 0. (50) 1210 CMF WSFA Montgomery, Ala. (500) 1410 CMF WSTA Springfield, Tenn. (100) 1210 CMF WSTA Winston-Salem, N. C. (100) 1310 CMF WSME WSME Columbus, 100 1320 CMF WSME Dayton, 100 1320 CMF WSME Dayton, 100 1320 CMF WSPA Spartanburg, S. C. (100) 1420 CMF WSFD Toledo, O. (500) 1340 CMF	S Saskatoon Sask (500) 910 T Toronto, Ont. (500) 840 UV Vancouver, B. C. (500) 1030 W Winnipeg, Man. (5000) 780 UX Toronto, Ont. (4000) 960 Toronto, Ont. (5000) 690 CUBA ID Caibarien (250) 920	Ga.		
810 ← 820 ← 830 ← 860 ← 870 ← 890 ←	WSFA	V Vancouver, B. C. (500) 1030 W Winniper, Man (5000) 780 W Toronto, Ont. (4000) 980 Y Toronto, Ont. (5000) 690 CUBA CUB	Ga.	1120	WKBN 570 WAIU 640
820 ← 830 ← 860 ← 870 ← 890 ←	WSJS Winston-Salem, N. C. (100)1310 CNE WSM Nashville, Tenn. (5000) 650 CPR WSME Naw Orleans. La. (500) 1320 WSMC Dayton, O. (200) 1380 WSOC Gastonia, N. C 1210 CMT WSPA Spartanburg, S. C. (100) 1420 CMT WSPD Toledo, O. (500) 1340 CMC	X Toronto, Ont. (4000) 960 Y Toronto, Ont. (5000) 690 CUBA ID Caibarien (250) 920	Ga. Y	WDAE 1220	WCAH 1430
830 ← 860 ← 870 ← 890 ←	WSMB New Orleans, La. (500) 1320 WSMK Dayton, O (200) 1380 WSOC Gastonia, N. C. 1210 CMF WSPA Spartanburg, S. C. (100) 1420 CMF WSPD Toledo, O (500) 1340 CMC	CUBA ID Caibarien (250)		WSB 740	WLW 700
860 ← 870 ← 890 ←	WSOC Gastonis, N. C. 1210 CMF WSPA Spartanburg, S. C. (100) 1420 CMF WSPD Toledo, O. (500) 1340 CMC	ID Caibarien (250) 920	1	WTOC 1260	WSAI 1330
890 <	WSPD Toledo, O. (500) 1340 CMC	(A Clenfueros (200)		WGST 890	WKRC 550
890 🕶	WSSH Boston Mass (500) 1410 Cart	ID Caiharien (250) 920 HA Cienfuegos (200) 1154 A Colon (100) 834 GC Havana (150) 955 Havana (150) 955	Andrew Co.	KYW 1020 Okla.	
900 ←	WSUI Iowa City, Ia. (500) 880 CMI	3D Havana (150) 955	1	WBBM 770	WKY 900
920 ←	WSVS Buffalo, N. Y. (50) 1370 CME	3G Santiago de las Vegas (150)1070 3S Havana (150)	1	WENR 870	KV00 1140
1 930 ←	WSYR Syracuse, N. Y. (250) 570 CMF	ST Havana (150) 1070 SW Havana (150) 1010 SW Havana (150) 1010 SY Havana (150) 1405 EL Havana (150) 1010 CHAvana (150) 1225 SB Havana (150) 1070 FH Havana (250) 900 J Havana (250) 550 NH Havana (250) 660 QH Havana (600) 1150 QH Havana (600) 1010 CK Havana (250) 730 CK Havana (250) 1010 CK Havana (3000) 730 CH Avana (3000) 730	1	WLS 870 Ore.	KGW 620
940 ←	WTAG Worcester, Mass. (250) 580 CMI	32 Havana (150)	1	WGN 720	KOIN 940
950 ←	WTAQ Eau Claire, Wis. (1000)1330 CMC	A Havana (150)	1	WIBO 560 Pa.	KDKA 980
960 ←	WTAW College Station, Tex. (500)1120 CMC	E Havana (150) 1070 Havana (250) 900	1	WMAQ 670	WCAE 1220
970 ←	WTBO Cumberland, Md. (100)	N Havana (250)	1	WCFL 970	WJAS 1290
980 🐟	WTFI Toccoa, Ga. (500) 1450 CMC	Q Havana (600)	Ind I	WJJD 1130	WLBW 1260
990 ←	WTMJ Milwaukee, Wis (1000) 1060 CMC	X Havana (250) 1010 C Havana (3000) 730	Ind.	WOWO 1160 WGL 1370	WHP 1430 WCAU 1170
1020 ←	WTOC Savannah, Ga. (500) 1260 CMV	Havana (250) 1150 W Havana (700) 588		WFBM 1230	WIP 610
1030 ←	WWJ Detroit, Mich. (1000) 1200 CMN	Havana (500)		KOIL 1260	WLIT 560
1040 🛹	WWNC Asheville, N. C. (1000) 570 CMF	TE Santiago (250) 1250 IH Santiago (250) 1327 IO Tuinucu (500) 791	0	KSCJ 1330 R. I.	WEAN 780
1060 ←	WWSW Pillshorgh, I's. (100)	Tuinucu (500)		WHO 1000	WJAR 890
1070 ←	WXYZ Detroit, Mich. (1000) 1160	HAITI Port an Prince (1000) 920		WMT 600 S. D.	WNAX 570
1080 -	CANADIAN STATIONS	MEXICO	Kan. V	WREN 1220 Tenn.	
1090 ←	CFAC Calgary, Alia. (50n) 600 XFC CFBO 8t. Joho, N. R. (50) 880 XFF CFOA Toronto, Ont. (500) 840 XEA CFOF Montreal, Que. (500) 1030 XEA CFOF Montreal, Que. (500) 1030 XEA CFOR Octagary, Alia. (600) 600 XEA CFOC Chalant, Oct. (100) 1210 XEA CFOC Chalant, Oct. (100) 1210 XEA CFOC Chalant, Oct. (100) 600 XEA CFCC Chalanter, Oct. (100) 800 XEA CFCC Chalanter, Oct. (100) 800 XEA CFCC Chalanter, Oct. (100) 800 XEA	Ajuas Calientes (350) 805 Chihushua (250) 915 Gaudaljara (100) 1000 Jaures (100) 750 Laredo (2500) 1430	1	WIBW 580	WREC 600
1110 ←	CFCA Toronto, Ont. (500) 840 XEA CFCF Montreal, Que. (500) 1030 XEJ	Gaudaljara (100) 1000 Junez (100) 1000	- I	KFH 1300	WLAC 1470
1120 -	CFCH North Hay, Out, (250) 1200 XEG CFCN Calgary, Alta. (500) 690 XEF	Juntos (1000) 750 Laredo (2500) 1430	Ky.	WCKY 1490	WSM 650
1130 ←	CFCO Chalham, Cot. (100)	Jure (1010) 750 76	1	WHAS 820	WDOD 1280
1140 ←	CFJC Kamloops B. C (15) 1120 YEC	Mexico City (250) 1250 Mexico City (2000) 240		WDSU 1250 Tex. WSMB 1320	KRLD 1040 WFAA 800
1150 -		Mexico City (1000) 719 Mexico City (5000) 940	12.5	WLBZ 620	WFAA 800 WBAP 800
1160 ←	CFNB Frederickton, N. W. (50) 1210 XEC CFQC Saskatoon, Sask. (500) 910 XET CFRB Toronio, Out. (4000) 960 XEX	Mexico City (500) 1210		WCSH 940	WRR 1280
1170 ←	CFRC Kingston, Out. (500) 930 XEV CHCA Calgary, Alla, (500) 690 XEZ	MEXICO CITY (3000) 780	the same of the same	WBAL 1060	WACO 1240
1200 ←	CHCK Charlottetown, P E I (30) 960 XFG CHCS Hamilton, Opt. (10) 880 XFI	Mexico City (2000) 638		WCAO 600	KPRC 920
1220 🚓	CHCT Red Deer, Alia. (1000) 840 XFX CHGS Summerside, P. E. J. (100) 1120 XET	Mexico City (500) 860 Monterrey (500) 1000	Mass. V		KTRH 1120
C 1230 ←	CHGS Summerside, P. 6, I. (100) 1120 XET CHLS Vancouver, B. (150) 730 XED CHML Hauditon, Out (50) 880 XED	Reynosa (10000) 975 Tampico (500) 730		WEEI 590	KTSA 1290
1240 🖛	CHNS Halifax, N. S. (500) 910 XES CHRC Queboc, Quo. (100) 880 XET	Tampico (500) 890			WOAI 1190
1250 ←	Oliwo Rogina, Sank. (500) 960 XEI	I Monterrey (5000)			KDYL 1290
	AND ASSESSED FOR A STATE OF THE PARTY OF THE				KSL 1130
		The state of the s		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WTAR 780
	Letters Company and Location	(Watta) Framo		A STATE OF THE PART OF THE PAR	WRVA 1110
1200 -	*W3XK Jenkios Laboratories, Wheaton, Md	Cycles 5.000 45		The same of the sa	WDBJ 930
1290 ←	W2XCR Jenkin Televisiae Corporation, New W2XBU Harold E. Smith, Beacon, N. Y.	r Yark N. Y 5,000 18			
1300 ←	*W9XAO Western Trinvision Corp., Chicago, *W2XCD (Smand Synchronized on 1604 K.).	IB. 5000 45			KOMO 920 KOL 1270
	2100,0000 1610	Aprilas		The second secon	KFPY 1340
1300 ← 1320 ←	*W3XAD RCA Victor Campany, Camden, N. J.	500 60 6 5, N. Y 5,000 60			KVI 760
1300 ← 1320 ← 1330 ← 1330 ← 1340 ← 1350 ←	*WEXAV Westinghouse, E. Pittsburgh, Pa.	y, N, Y 20,000		The second secon	WTAQ 1330
1300 ← 1320 ← 1330 ← 1340 ← 1350 ← 1360 ←	WOXAP Chicago Daily News Chicago III	ity, N. V. 500 48		the same of the sa	WEBC 1290
1300 ← 1320 ← 1330 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ←		110			WISN 1120
1300 ← 1320 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ← 1410 ←	W3XAX NRC, Round Brook, N. J	5,000 60			WTMJ 620
1300 ← 1320 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ← 1410 ← 1430 ←	2750-2850 Kilo	cyclas			CFCF 1030
1300 ← 1320 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ← 1410 ←	2750-2850 Kilo	cyclas	1		CKAC 730
1300 ← 1320 ← 1330 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ← 1410 ← 1430 ← 1440 ←	W2XAB Columbia Brandessing System W9XAA Chicago Federation of Lalor, this W0XG Purdue Paiversity, W. Lafayette, W2XBO United Research Corp., Long island	cyclon age, 10		THE RESERVE TO STREET THE PERSON NAMED IN	CKGW 690
1300 ← 1320 ← 1330 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ← 1410 ← 1430 ← 1450 ← 1450 ← 1460 ←	W2XAB Columbia Brandeasting System W2XAA Chicago Federatino of Labor, Chic W0XG Purdue Pulversity, W. Lafayette, W2XBO United Research Curp, Long Island	cycles ase, 10		WPG 1100	CFRB 960
1300 ← 1320 ← 1330 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ← 1410 ← 1430 ← 1450 ← 1450 ←	W2XAB Columbia Brandeasting System W2XAA Chicago Federatino of Labor, Chic W0XG Purdue Pulversity, W. Lafayette, W2XBO United Research Curp, Long Island	cycles ase, 10		1000	O1 101
w .	1240 ← 1250 ← 1260 ← 1270 ← 1280 ← 1290 ← 1300 ← 1320 ← 1330 ← 1340 ← 1350 ← 1360 ← 1390 ←	1240	1260	1260	1260

Stations Classified by Wave-lengths

§ Stations Using Power of 1000 Watts or More

540 KC., 555.6 Meters CKX-Brandon, Man., Can-

550 KC., 545.1 Meters OBO RC., 545.1 Meter CMC1-Havana, Cuba. KFDY—Brookings. S. D. KFTO—Clayton, Mn. 1KFTR—Bismarek, N. D. 1KOAC—Corvallis, Occ. KSD—St. Louis, Mo. 1WGR—Budale, N. Y. 4WGR—Cinclinati, O.

560 KC., 535.4 Meters 569 A.C., 53.4 Meters
KFDM—Beaumont, Tet.
§Ki.Z.—Denver, Col.
§Ki.Z.B.—Oadland, Calif.
§WNGX—Knovville, Ten.
WF1—Philadelphia, Pa.
WF1—Chicago, Ill.
WPCC—Chicago, Ill.
WPCC—Chicago, Ill.
SWQAM—Allami Beseft, Fla.

570 KC., 526.0 Meters 570 KC., 528.0 Meters
KCKO—Withis Falls. Tax.
KUKT—Hallywed. Callt.
KXA—Seatlit., Wash.
WEAO—Columbus. O.
WMAC—Syracuse, N. Y.
WIKICA—Vew York. N. P.
VYYIC—New York. N. D.
WYYIC—New York. N. C.
WSYR—Syracuse, N. Y.
WYYIC—New York. N. Y.
WYYIC—New York. N. Y.
WYYIC—New York. N. Y.
WYYIC—Syracuse, N. Y.

580 KC., 516.9 Meters 580 KC., S16.9 Meters
CFUL—Toronio, Ont., Can.
CKCL—Toronio, Ont., Can.
CKCL—Toronio, Ont., Can.
CKCL—Toronio, Ont., Can.
CKCL—Edmonton, Atta., Can.
KGFX—Plerre, S. D.
KSAC—Manhattan, Kan.
WOBU—Charleston, W. Va.
WSAZ—Hunthagton, W. Va.
WTAG—Worcester, Mass.

590 KC., 508.2 Meters 690 KC., 508.2 Meters
CMW—Havans, Cuba.
\$KHQ—Spokane, Wash,
WCAJ—Lincoln, Neb.
\$WEEL—Boston, Mass.
\$WKZO—Berrier Sp'gs, Mich.
\$WOW—Onaha, Neb.
XEZ—Mexico City, Mex.

600 KC., 499.7 Meters GOO K.C., 499.7 Meters
CZRM.—Moose Jaw. Sask.,
Can.
CZRW.—Freming, Sash., Can.
CNRO—Ottawa, Ont. Can.
KFSD—San Dieso. Callf.
WCAG—Storts, Com.
WCAG—Ballmore, Ad.
WCAG—Grideroof, Com.
WICC—Brideroof, Com.
WHEC—Metallo, Ia.
WHEC—Memphls, Teon.

610 KC., 401.5 Meters HUPRC San Prancisco, Calif.

IWDAF harvas City, Mo.

WFAN—Philadelphia, Pa.

WIP—Philadelphia, Pa.

WIAY—Cieveland, O.

620 KC., 483.6 Mcters SKGW — Portland, Ore SWFLA — Clearwater, Pla-SWSIN — St. Petersburg, Fla. SWTM1 — Milwaukee, Wis. KTAR — Phonily, Artz WLBZ — Bangor, Me.

630 KC., 475.9 Meters CPUT-Vistoria, B. C., Can, Clark-Vistoria, B. C., Can, Clark-Vorkton, Sask, Can, Critica-Vistoria, Company, Com

640 KC., 468.5 Meters Cliffic — Quebre, Que, Can CMHJ — Climbingos, Cuba, Incil — Lau Angeles, Calif. WAIU — Columbus, O. IWOI — Annes, Ia. EXVG — Mexico City, Mex.

650 KC., 461.3 Meters KPCB—Seattle, Wash. 5WSM—Nashville, Tenn. XER—Mexico City, Mex.

660 KC., 454.3 Meters CHWK—Chillwack, B. C. CMCO—Hayana, Coha BWEAF—New York City, WAAW—Omaha, Neb.

670 KC., 447.5 Meters EWMAQ Chleagn, Ill.

680 KC., 440.9 Meters IKPRID—St. Joseph, Mr.

KFO—San Fraueliru, Calif.

KFV—San Fraueliru, Calif.

KFV—Vera Crus, Mex.

SWMC—St. Johns, N. P.,

Can

600 KC., 434.5 Meters ODO R.C., 424-0 Meters
FFAC - Calkary, Alia., Can.
CFFN - Collecty, Alia., Can.
CFFN - Collecty, Alia., Can.
CFC - Calkary, Alia., Can.
CSTC - Calkary, Alia., Can.
CNRC - Calkary, Alia., Can.
CNRC - Calkary, Alia., Can.
SCPRY - Toronto, Can.
SCPRY - Toronto, Can.
SYAK-Glace Hey, N. S.,
CAN. 5NAA Artington, Va.

700 EC., 428.3 Meters

710 KC., 422.3 Meters SMC-Newark, N. J. KMCC-Deverly Hills, Calif. 720 KC., 416.4 Meters NGN-Chicago, 10.

730 KC., 410.7 Meters T30 KG, \$10.7 Meters
CHLS-Vancouver, B. C, Can.
SCHYC-Montreal, due. Can.
SCHYC-Montreal, due. Can.
EKCD-Vancouver, B. C. Can.
EKMO-Vancouver, B. C. Can.
\$CNRM-Montreal, que. Can.

740 KC., 405.2 Meters \$KMMJ-Clay Center, Neb. \$WSR-Atlants, Ga 750 KC., 399.8 Meters

5WJR-Detroit, Mich. TIC-San Jose, C. R. 5XEQ-Juarez, Mex.

760 KC., 394.5 Meters 5KVI—Tucama, Wash. 5WEW—St. Louis, Mc. 5WJZ—Boundbrook, N. J.

770 KC., 389.4 Meters 4KFAB-Lincoln, Neb. 5WBBAI-Chicago, Ill. 5WJBT-Chicago, Ill.

780 KC., 384.4 Meters

780 KC., 384.4 Meters
FCKY—Winniper, Man. Can.
ECNIW—Winniper, M a a.,
C. C. C.
KELW—Burbank, Calift,
WMC—Memphits, Tenn.
WTAB—Norlolk, Va.
KTM—Sam Monics, Calift,
WEAN—Frontidence, R. I.
WEAN—Frontidence, R. I.
WEAN—Frontidence, R. S.
EVEW—Mexico City, Mer.

790 KC., 379.5 Meters CMBS—Havana, Cuba. CMHC—Tuinucu, Cuba. gKGO—Oakland, Calif. gWGY—Schenectudy, N. Y.

800 KC., 374.8 Meters 5WBAP—Ft. Worth, Tex. 5WFAA—Dallas, Tex. XFC—Aguascationtes, Mex.

810 KC., 370.2 Meters 5WCCO-Minneapolis, Minn. WPCH-New York City.

820 KC., 365.5 Meters WHAS Louisville, Ky.

830 KC., 361.2 Meters CMGA—Colon, Cubs. SiGOA—Denver, Col. SWRI'F—Gainesville, Fla. SWHDH—Gloucester, Mass.

840 KC., 358.9 Meters

850 KC., 352.7 Meters KWKH-Shreveport, La.

860 KC., 348.6 Meters CMJB—Cassaguey, Cuba-KMO—Tacoma, Wash, aWBOQ—New York City, SWABC—New York City, WHB—Kansas City, Mo, XFX—Mexico City, Mcx.

870 KC., 344.6 Meters CMIIII—Cifuentes, Cuba. 5WENR—Chicago, III. 5WLS—Chicago, III.

880 KC., 340.7 Meters SBO KG., 340,7 Meters
CHIML—Hamilton, Ont., 'san.
CICB—Sydney, N. S., Can.
CICC—Guebee, Que., Can.
CKC!—Guebee, Que., Can.
KIX.—Oakland, Callf.
KIX.—Oakland, Callf.
KIX.—Oakland, Callf.
KIX.—Superston, Ps.,
WCO!—Meritian, Miss.
WCO!—Meritian, Miss.
WSU!—lews City, Is.

890 KC., 336.0 Meters CFRO St. John, N. R., Can. CKCO Ottawn, Out., Can. CKPR Port Arthur, Out.,

CRIP-Fort Arthur, Ont.
CAD.
(CAD.
KFNP-Shenomboh, In.
KFNP-Shenomboh, In.
KFNP-Shenomboh, In.
KISD-Vermillion, S. D.
WGST-Mianta, Ga.
WMAZ-Macon, Ga.
WMAZ-Macon, G.
WMAZ-Macon, I. V. Va.
WMAZ-Macon, I. V. Va.
WMAZ-Gardin

900 KC., 333.1 Meters CMX Harms, Cubn.
CMC FF—Havans, Cubn.
CMC FF—Havans, Cubn.
CMC FF—Havans, Cubn.
Sidls—Los Aniseles, Calif.
3WBSN—Burralo, N. Y.
WYJAX—Jacksonvilles, Fiz.
NYAV—Bulahama City, Oxiv.
KULIK—Siveren Phint, Wiz.
KCEI—Feerblan, Maska,
KEEI—Technic, Oxiv.

910 KC., 329,6 Meters EFQC—Saskatom, Rank., Can. CHNS, Hallfax, N. S., Can. 6CIGC—London, Ont., Can. CNRH—Hallfax, N. S., Can. CNRH—Hallfax, N. S., Can. CNRS—Saskatom, Nask., Can.

920 KC., 325.9 Meters 920 KC., 325.9 Meters
CMIDC-Cubarier. Cuba,
SHIIK-4ver. au Prince, H.
KFXF-Denver. Col.
\$KOMO—Seatile, Wash,
WAAF-Chicago, III.
\$WWJ-Detroit, Mich,
WRSO—Needham, Mass,
\$KPRC-Houston, Tex.
KFEL—Denver, Col.
XFF—Chilushus, Mex.

930 KC., 322.4 Meters CJCA—Edimenton, Alta., Can. CFRC—Kingston, Ont., Can. KFWI—San Francisco, Calif. KGBZ—York, Neb. KROV—Oskland, Calif. KROV—Oskland, Calif. WBC—Bruningham, Alia. WBC—Bruningham, Alia. WIBC—Bruningham, Alia.

940 KC., 319.0 Meters FKOIN—Portland, Ore.
WCSH—Portland, Me.
WCSH—Portland, Me.
WDAY—Parge, N. D.
WFIW—Hopkinsville, Ky.
WHA—Makion, Wis.
WAAT—Jersey City, N. J.
SKGU—Honolulu, Hawall,
SXEO—Mexico City, Mex.

950 KC., 315.6 Meters CMBC—Havana, Cuba.
CMBD—Havana, Cuba.
KFWB—Hollywood, Calif.
KGHL—Billings, Mont.
KKBC—Independence, Mo.
WRC—Washington, D. C.

960 KC., 312.3 Meters 960 KC., 312.3 Meters
CFCY—Charlottetown, P. E.
CFRR—Toronto, Ont., Can.
CHCK—Charlottetown, P. E.
CHWC—Regins, Sask., Can.
CJBR—Regins, Sask., Can.
CRCK—Regins, Sask., Can.
CRCK—Toronto, Ont., Can.

970 KC., 309.1 Meters CMGF-Matanzas, Cuba, §KJR-Seattle, Wash, sWCFL-Chicago, Ill. §XED-Reynosa, Mex.

980 KC., 305.9 Meters %KDKA-E. Pittsburgh, Pa.

990 KC., 302.8 Meters SWBZ-Springfield, Mass.

1000 KC., 299.8 Meters 1000 KC., 299.8 Meteri kWilo—Dav Mones, Ia. 6 WOC—Davenoort, Ia. 6 KYO—Culver City, Calif. XEA—Gaodialajar, Mex. XEE—Gastas, Mex. XEE—Janaret, Mex. XEE—Janaret, Mex. XEE—Martilla, Mex. XEE—Metico City, Mex. XEE—Metico City, Mex. XEU—Wattle, Mex. XEU—Wattle, Mex. XEU—Wattle, Mex. XEU—Wattle, Mex. XEU—Wattle, Mex.

1010 KC., 269.9 Meters 1010 KG., 269.9 Meters CFLC—Presect, Ont., Can. CKCR—Waterloo. Ont., Can. CKCR—Waterloo. Ont., Can. CMBW—Harma, Cuba. CMBW—Harma, Cuba. CMBW—Harma, Cuba. CMBW—Harma, Cuba. KGCF—So. Coffeyille, Okia. KGW—San Jose, Calif. WNAD—Norman, Okia. WTAH—Cliffude N. J. WTAH—Clifude N. J. W

1020 KC., 293.9 Meters #KFKX—Chicago, Ill. #KYW—Chicago, Ill. WBAX—Phitadelphia, Pa.

1030 KC., 201.1 Meters CCECE—Montreal, Que., Can. CMCK—Montlago de Cotto. CNRV—Vaucouver. B. C., CNRV—Water City, Mex.

1040 KC., 288.3 Meters KRLD—Dallas, Tex. KTHS—Hot Springs, Ark. WKAR—E. Lansing, Mich. WMAK—Baffalo, N. Y.

1050 KC., 285.5 Meters SKNX—Hollywood, Callf.

1060 KC., 282.8 Metera KWJJ—Portland, Ore. KWJJ—Portland, Ore. WWAG—Mullandere, Md. WYAG—Norfolk, Neb. WTIC—Hartford, Coun.

1070 KC., 280.2 Meters CMHG Havana, Cuba. CMRT—Havana, Cuba. CMCB—Havana, Cuba. CMCB—Dayana, Cuba. KJRS—San Francisco, Calif. SWTAM—Cleveland, O. WDZ—Tusrola, 10. WCAZ—Caribage, 111.

1080 KC., 277.6 Meters FWBT—Charlotte, N. C. (WCRD—Zion, III. (WMBI—Addison, III. (XEII—Monterey, Mex.

1090 KC., 275.1 Meters CMAA Guanajay, Cuba. CMGI Matanzas, Cuba. \$KMOX—St. Louis, Mo.

1100 KC., 272.6 Meters CMKD Santiago de Cuba. §WLWL New York City. §WPG Atlantic City. N. J. KGDM Stockton, Calif.

1110 KC., 270.1 Meters CMHI—Santa Clara, Cuba. 5KSOO—Shoux Falls, S. D. 5KRVA—Richmond, Va. 1120 KC., 267.7 Meters

1120 KC, 267.7 Meters
CFIC—Rambops, B. C., Can,
CHCS—Hamilton, Ont., Can,
CHCS—Hamilton, Ont., Can,
CHCS—Leibbridge, All 1.a.,
CKOC—Hamilton, Ont., Can,
KFIO—Spoitane, Wash,
KMCS—Ingitewood, Calif.,
KMCS—Ingitewood, Calif.,
KMCS—Ingitewood, Calif.,
KMCS—Ingitewood, Calif.,
KMCS—Ingitewood, Calif.,
WDBO—Orlande, Fis.,
WDBC—Wilmington, Del.,
WTAW—College Station, Tex.,
WHAD—Milwaukes, Wis.,
KTRII—Houston, Tex.

1130 KC., 265.3 Meters \$KSL—Salt Lake City, Utah, \$WJJD— Mooseheart, Ill. \$WOV—New York City.

1140 KC., 263.0 Meters CMGD—Matanzax, Cuba. \$KV00—Tulsa, Okla. \$WAPI—Birmingham, Ala. XETA—Mexico City, Mex.

1150 KC., 267.7 Meters CMCQ—Havanz, Cubz. CMHA—Cienfuegos, Cuba. CMQ—Havana, Cuba. IWHAM—Rochester, N. Y.

1160 KC., 258.5 Meters SWOWO-Ft. Wayne, Ind.

1170 KC., 256.3 Meters WCAU-Philadelphia, Pa.

1180 KC., 254.1 Meters CMRG—Mataitzes, Cuba.
CMRG—Santiago de Cuba.
§KEX—Portland, Ore.
§KOH—Slute College, N. M.
§WDGY—Minneapolls, Minn.
WGHS—New York City.

1190 KC., 252.0 Meters \$WOAI-San Antonin, Tex. 1200 KC., 240.9 Meters

1200 KC., 249.9 Meters
CFCH—North Bay, Ont., Can.
CARGIL—Santiago de (viba.
KFTM—Paragould, Ark.
KFTB—Marthalltown, Ia.
KGDE—Fergus Falls, Minn.
KGDE—Fergus Falls, Minn.
KGDE—Fergus Falls, Minn.
KGDE—Arbay, Col.
KGES—Vibra.
KGDE—Arbay, Col.
KGES—Vibra.
KGDE—Arbay, Col.
KGES—Vibra.
KGDE—Arbay, Col.
KGDE—Arbay,

1210 KC., 247.8 Meters 1210 KG., 247.8 Metors.
CFO — Chailans, Ont. Cao.
CFNH—Frederickion, N. B.,
CJOR—Sea Island, B. C.,
CHNL—Cobsil, Ont. Can.
Cisit—Ireston, Ont., Can.
Cisit—Ireston, Ont., Can.
DIFN.—Catter, Wyo.
RDIAR—Devil's Luke, N. D.
FYNM—Islander, N. Can.
KEND—Legalito, N. Can.
KEND—Legalito, N. Can.
KEND—Legalito, N. Can.
KEND—Legalito, N. Calif.
KEND—Education, N. Calif.
KEND—Education, N. Calif.
KEND—Education, K. Calif.
KEND—Forton, Calif. KWEA—Shreveport, La.
WALR—Zanesville, O. Pa.
WALR—Zanesville, O. Pa.
WHIL—Richmond, V.
WEBS—Springfield, Ill.
WCOR—Yonkers, N. Y.
WCBS—Springfield, Ill.
WCOR—Yonkers, N. Y.
WCBS—Orleage, Ill.
WEDC—Chieage, Ill.
WEDC—Chieage, Ill.
WEDC—Chieage, Ill.
WEDC—Harlaburg, Ill.
WIRD—Springfield, Ill.
WIRD—Anderson, Ind.
WIRD—Anderson, I. L.
WIRD—Anderson, N. Y.
WOCL—Jamestown, N. Y.
WOCL—Stanesville, Miss.
WIRD—Columbus, O.
WSEN—Columbus, O.
WSEN—Columbus, O.
WSEN—Columbus, O.
WSEN—Columbus, O.
WSEN—Mesico City, Mex.
XEN—Mesico City, Mex.
Z220 KC. 245.8 Meter.

1220 KC., 245.8 Meters CMCA—Havana, Cuba, CMCN—Havana, Cuba, FRU—Lawrence, Kan, SKWSC—Pullman, Wash, WCAD—Canton, N. Y. SWCAE—Pittsburgh, Pa, SWDAE—Tampa, Fis, SWBEN—Lawrence, Kan,

1230 KC., 243.8 Meters 1230 KC., 243.8 Meters KFQD—Anchorage, Alaika, KKYA—San Francisco, Calif. KWBIS—Boston, Mass. KWFBM—Indianapulis, Ind. KWNAC—S Boston, Mass. WPSC—State College, Pa. WSBT—South Bend, Ind. KGGM—Albuguerque, N. M.

1240 KC., 241.8 Meters 5KTAT—Ft. Worth. Tex. 5WX12—Detroit, Mich. \$WACO—Waco. Tex.

1250 KC., 239.9 Meters 1250 KG, 239.9 Meters
CMAB—Pinner del Rio, Cuba,
CMIS—Santiago de Cuba.
CMGE—Matamas, Cuba.
SKYMX—Northdeid, Minn.
SKYMX—Northdeid, Minn.
SKYMX—Northdeid, Minn.
WCF2—Newark, N. J.
SWDSU—New Orteans, La.
WWF24—Meterson, N. J.
JAVRIKU—Minneapolis, Minn.
WWDA—Plerson, N. J.
JAVRIKU—Minneapolis, Minn.
SWDDA—Plerson, N. J.
JAVRIKU—Minneapolis, Minn.
SWDDA—Plerson, N. J.
JAVRIKU—Minneapolis, Minn.
SWDDA—Dies Beeth, Cellf.
SWAAM—Newark, N. J.
SWAAM—Newark, N. J.

1260 KC., 238.0 Meters SKOIL—Council Bluffs, In.
KIRGY—Harlingen, Tex.
KWWG—Brownsville, Tex.
VYLHW—Oil City, Pa.
KYOA—Tueson, Ariz.
WTOC—Savannah, Ga.

1270 KC., 236.1 Meters 1270 KG., 236.1 Meters KFUM-Col. Springs. Col. KGCA—Decorah, Ia. KWLC—Decorah, Ia. SKTW—Keattic, Walh. SWEAI—Hubers. N. Y. WOOD—Grand Rapids, Mich. SKOL—Seattic, Wash. SWDEM—Hubers. N. Y. WASH—Grand Rapids, Mich. SWIDEM—Jucksum, Mish. WFBR—Baltimore, Md.

1280 KC., 234.2 Meters 1280 KG., 234.2 Meters
CMBi-Il-Havana, Cuba,
CMBM-Havana, Cuba,
CMBM-Havana, Cuba,
CMCH-Havana, Cuba,
CMCH-Ilavana,
Cuba,
CMCH-Ilavana,
Cuba,
CMCAH-Candien, N. J.
N. J.
WUGLM-Candien, N. J.
WUGLM-Challanenga, N. J.
WUGLM-Challanenga, N. J.
WUGLM-Challanenga, N. J.
WUGLM-Challanenga, J.
WUGLM-Challanenga, J.
WUGLM-Challanenga, Min.
WUGLM-JAHOLON, Min.

1290 KC., 232.4 Meters 1290 KC., 232.4 Meters
SKDYL—Suit Lake City,
KPUL—Galvoston, Tex,
KLCN—Blytheville, Ark,
SKTSA—San Autonia, Tex,
SWEIIC—Superior, Wis,
SWIAS—Pitishurch, Pu.
WNIE—Saranac Lake, N, Y.

1300 KC., 230.6 Meters 1300 KC., 230.6 Meters

RGGT—Tas Angelos, Calif.

RKFII—Wlebita. Kab.

RFIR—bertland, Ore.

WBBR—Bosaville. N. Y.

SKYRII—Los Augeles.

Calif.

KTIIK—bertland, Ore.

WEVE—Forest Hills. N. Y.

WILAZ—Troy, N. Y.

WILAZ—Troy, N. Y.

SWOD—Mianu Reach, Pla.

RWOQ—kansus City, Me.

1310 KC., 228.9 Meters 1330 KC., 222.9 Meters
CMGC—Matsmats, Ccha,
KCRU—Jermus, Afri.
KTRU—Jermus, Afri.
KTRU—Jermus, Alari.
KTRU—George He.
KGRU—St. Janeph, Mn.
KGRU—Will Plaint, Month. KGEZ-Kalispell, Munt
KGFW-Bavenna, Neb
KIT-Yakima, Wash,
KIT-Yakima, Wash,
KIT-Yakima, Wash,
KIT-C-Houtson, Tex,
KTL-Shreeport, Lo.
KTLC-Houtson, Tex,
KTSL-Shreeport, Lo.
KTSL-Shreeport,

1320 KC., 227.1 Meters CMIC—Camaguey, Cuba, KTFI—Twin Falis, Ida, IWADC—Akton, O. WSMB—New Orleans, La. KID—Idaho Falis, Ida, KGMB—Honololiu, Hawail, KGMB—Pueblo, Col.

1330 KC., 225.4 Meters CMKH—Santiago de Cuba, CMJA—Camaguey, Cuba KGB—San Diego, Calif. SWSCI—Sloux City, Ia. WDRC—Harford, Conn. WSAI—Cincinnati, O. SWTAQ—Eau Claire, Wis.

1340 KC., 223.7 Meters CMRA—Havana, Cuba, CMB?—Havana, Cuba, CMCD—Havana, Cuba, CMCU—Havana, Cuba, CMCY—Havana, Cuba, KFPW—Fort Smith, Ark, 5f.FFY—Spekane, Wash, WCOA—Pensacola, Fis. WSFD—Toledo, O.

1350 KC., 221.1 Meters

EKWK—St. Louis. Mo.
WAWZ—New York City.
WCDA—New York City.
WHEXX—New York City.
WMSG—New York City.

1360 KC., 220.4 Meters

1370 KC., 218.8 Meters

1500 KC., 199.9 Meters

1380 KC., 217.3 Meters KOH-Reno, Nev. KQV-Pittshurgh, Pa. KSO-Charlada, Ia. KSO-Charlada, Ia. KWKWI-La Crasse, Wis. WSMic-Dayton, O.

1390 HC., 215.7 Meters EKLIKA-Little Rock, Ack, eKl'OA-Payetteville, Ack, iWHK-Clereland, O. KOY-Phonix, Acix.

1400 KC., 214.2 Meters CMBI—Havana, Cuba. CMBK—Havana, Cuba. CMBQ—Havana, Cuba. CMBQ—Havana, Cuba.

CAIRX—Havana, Cuba,
CAIRY—Havana, Cuba,
KLO—Ogden, Utah,
KOCW—Chickasha, Okia,
WCGU—Coney Island, N. N.
WCGU—Coney Island, N. N.
WEBA—West Lafarette, Ind.
WKBA—West Lafarette, Ind.
WKBT—Incables, N. Y.
WKBT—Hookiya, N. Y.
WLTH—Brookiya, N. Y.
WLTH—Brookiya, N. Y. 1410 KC., 212.6 Meter: ISAIO RG, 212-6 Meters INGIS—Austrillo, Tra-KFLV—Rockford, III. WDAG—Amarillo, Tex-WDAG—Marallo, Tex-WBCAI—Hamarillo, Ws. WBCAI—Hamarillo, Ws. WHIS—Bluefield, W. Vas. WODX—Springfull, Alia. WODX—Springfull, Alia. WRIST—Monteonery, Alia. WRISK—Boundes, Vs.

1420 KC., 211.1 Meters

1420 KC., 211.1 Meters

KBPS—Portland., Ore.

KF12—Pand du Lae, Wis.

KF12—Holy City, Galif.

KF20—Holy City, Galif.

KF20—Alie, Galif.

KF20—Alie, Galif.

KG10—Trainded. Col.

KG10—Trai

1430 KC., 209.7 Meters 1430 R.C., 2005.
CMHE—SARIA Clara, CubaSi FCA—Les Augeirs, Calif.
RGNF—No. Platte, No.
WCAH—Columbus, O.
WBAK—Harrisburg, Pa.
WCAL—Memphis, Tenn.
SXEI—Laredo, Mex.

1440 KC., 208.2 Meters KLS—Oakland, Cellif,
WBIG—Greensborg, N. C.
WCB.—A Hentown, Pa.
WHEC—Rechester, N. Y.
WMBD—Perris Heights, 111,
WGRO—Albany, N. Y.
WTAD—Quincy, 111,
WSAN—Allentown, Pa.

1450 KC., 206.8 Meters CMK.A-Santlage de Coltas SKTBS.—Storvetsori, La. WEMIS-F. Lee, N. J. WGAR-Cleveland, O. WHOM—Jersey City, N. J. WKIBO—Jersey City, N. J. WTFI—Toccos, GA.

1460 KC., 205.4 Meters SKSTP-St. Paul, Minn.

1470 KC., 204.0 Meters WI.AC - Nashville, Tenn. WTNT - Nashville, Tenn. SKGA - Spokane, Wash.

1480 KC., 202.6 Meters SKFJF-Ohlahoma City, Okla. SWKBW-Amberst, N. Y.

1490 KC., 201.6 Meters fWCHI-Chleago, Ill. WCKY-Covington, Ky, WJAZ-Chicago, Ill.

1000 KC., 199.9 Meters
CMBL—Harmin, Cuba,
CMBD—Harmin, Cuba,
CMBD—Harman, Cuba,
CMCD—Harman, Cuba,
CMCD—Harman, Cuba,
CMCD—Harman, Cuba,
CMCD—Harman, Cuba,
CMCD—Harman, Cuba,
CMCD—Harman, Cuba,
CMCD—Standa, Minn,
CMCD—Stan



From early childhood, LILLIAN TAIZ has had a way of delighting her audiences—and she is not so thoroughly grown-up yet. Her rise to stardom on the musical comedy stage and before the microphone reads like those beloved fairy tales wherein the beautiful and talented heroine is provide atally recognized by the powers that be—the powers in this story being: Dr. Lucy Langdon Wilson, Leopold Stokowski, George Gershwin, the Messrs. Aarons and Freedley and the Columbia Broadcasting System.



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