



CIE's Warranty says a lot to you!

A lot about CIE's FCC License training programs...and a lot more about our school.

Our FCC License Warranty means just what it says. If you enroll in any CIE career course that includes FCC License preparation and successfully complete your training...you'll pass the Government FCC exam. We warrant that you'll succeed.

CIE can make this no-nonsense warranty because we're confident of our in-depth career training programs. You see, we have *specialized exclusively* in Electronics education-by-mail for more than 40 years. Just Electronics. And, the courses we offer today are the result of these years of teaching experience and proven methods of training.

Our courses are thorough . . . written in easy-to-understand language . . . so you can progess at your own learning pace, at home, in your spare time. And, there are never any classrooms to attend.

CIE courses challenge your thinking . . . help you develop your understanding of important electronics theories and applications . . . enable you to learn new skills and knowledge.

If an FCC "ticket" is part of your career goal, you'll have to pass a tough licensing exam administered by the Federal Communications Commission (an agency of the U.S. Government). And you'll be prepared. Based on a series of continuing surveys, close to 9 out of 10 CIE grads pass their FCC exams!

What's a license worth?

In some communications job fields, federal law requires that you have an FCC License. And, even in careers where a license is not required, it can be valuable evidence to prospective employers of certain electronics knowledge and skills.

What about other CIE courses?

In every CIE career course, you'll find the same time-tested instructional techniques that have made CIE's FCC License preparation courses so successful.

Whichever CIE course you select (beginner, intermediate, or advanced college-level); it will be a complete educational

program, designed by *experts* to give you the best in Electronics home-study education.

Send for FREE school catalog

Discover more about the career opportunities open to people with electronics training. Learn how CIE career courses can help you build new skills and knowledge and prepare you for a meaningful, rewarding career. Whether you are just starting out in Electronics or are a college-trained engineer in need of updating, (or anywhere in between), CIE has a course designed for you.

Send today for our FREE school catalog and booklet on FCC License information. For your convenience, we will try to have a representative call to assist in course selection. Mail reply card or coupon to CIE... or write: Cleveland Institute of Electronics, Inc., 1776 East 17th Street, Cleveland, Ohio 44114. Do it TODAY.

G.I. Bill benefits

All CIE career courses are approved for educational benefits under the G.I. Bill. If you are a Veteran or in service now, check box for G.I. Bill information.

| | d Institute of Electron 17th Street, Cleveland, edited Member National Home Study C | |
|--|---|------------|
| Yes, I want your FREE sc package today. | thool catalog and career i | nformation |
| ☐ am especially interested ☐ Electronics Technology ☐ FCC License Preparatio ☐ Color TV Maintenance ☐ Mobile Communication | ☐ Industrial Electron ☐ Electronics Engine ☐ Other | |
| | | CW-10 |
| Print Name | | |
| Address | | Apt. |
| City | | |
| State | Zip | Age |
| 0 | ormation. □ Veteran □ C | . A . I |

3 ways to get more mileage out of your CB radio

(and stay out of trouble with the FCC)



Keep your transmissions static-free and within the law.



Use your CB radio thoughtfully and wisely.



Learn new ways to use CB, and stay up to date on rules and procedures.

KNOW YOUR EQUIPMENT

CB RADIO CONSTRUCTION PROJ-ECTS-Build meters, oscillators, adapters, monitors—and save a small fortune. Parts lists are featured for 18 projects to help you extend your range to the legal limits reduce interference, and more. \$3.95

99 WAYS TO IMPROVE YOUR CB RADIO-Stop generator whine, regulator raup, and other sources of noise and interference. Discover how to clean, troubleshoot, repair, and align equipment. This recently updated edition shows you what to buy and what to build. \$3.95

CB RADIQ ANTENNAS—A good antenna lets you use to the utmost the transmission power allowed by the FCC. With this complete, up-to-date guide, you can save money by installing and improving base or mobile antennas yourself. \$4.50

GET INVOLVED

CITIZENS BAND RADIO HAND-BOOK—This manual is for everyone who is seriously involved in CB radio. Useful information on licensing and equipment, servicing hints, a glossary, and a 25-page section on FCC rules are included. \$5.50

FROM CB TO HAM BEGINNER—Broaden your involvement with 2-way radio. Have fun—talk to other continents as a ham. This book offers the technical know-how you need to put your station on the air.

Easi-Guide to CB RADIO FOR TRUCK-ERS - Now - in plain English - read how CB rigs can make the trucker's life more convenient. It's like having an "expert" in your cab - feeding you tips on equipment, licensing, rules, and more. \$3.50

BUILD YOUR KNOWLEDGE

QUESTIONS & ANSWERS ABOUT CB OPERATIONS—Deepen your CB know-how with 187 answers in this book. You'll find your answers fast, because they're grouped in five sections: uses, rules, procedures, equipment, and installation. \$3.75

Easi-Guide to CITIZENS BAND RADIO – Learn or brush up on the basics of CB radio the easy way – through conversational text and 170 photographs. This fun-to-read guide is packed with CB information you can really use. \$3.50

ABC's OF CITIZENS BAND RADIO – How to get your license, avoid FCC citations, choose and install equipment, and more. Even if you lack electronics know-how, this revised edition can help you get more out of CB radio.

\$3.50 more out of CB radio.

MAIL TODAY FOR 15-DAY FREE TRIAL

clip out...mail today

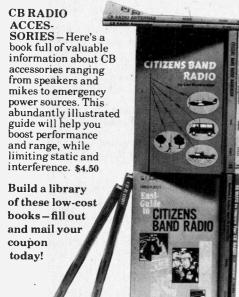
YES-send me the book(s) checked below to examine for 15 days free. If not completely satisfied, I may return my order and owe absolutely nothing. Otherwise, I will pay the amount on the invoice accompanying my book(s), including shipping and handling.

| including shipping and handling. | the invoice accompanying my book . | .(s |
|--|--|-----|
| ☐ CHECK HERE AND SAVE 1 | | |
| I have checked at least 3 of the books of | ffered. So 10% of the cost is deducted | 1. |
| CB RADIO CONSTRUCTION PROJECTS 20952 \$3.95 | FROM CB TO HAM BEGINNER | 4. |
| ☐ 99 WAYS TO IMPROVE YOUR CB RADIO 21098 \$3.95 | ☐ Easi-Guide to CB RADIO FOR | 3.5 |
| CB RADIO ANTENNAS 21100 \$4.50 | ☐ QUESTIONS & ANSWERS ABOU | |
| ☐ CB RADIO ACCESSORIES \$4.50 | ☐ Easi-Guide to CITIZENS BAND | 3.5 |
| CITIZENS BAND RADIO HANDBOOK 20839 \$5.50 | ABC's OF CITIZENS BAND RADIO 21021 \$ | 4.2 |
| NAME | | - |

| NAME | | |
|-------------------------------|---------------------------------|--------------------------|
| A DODESS | (please print) | |
| ADDRESS | | |
| CITY | STATE | ZIP |
| Save shipping and handling of | costs. Full payment enclosed. (| Plus sales tax, if any.) |
| B# - 11 4 - TT - | 1111 (1 0 (1) (4000 111 | |

Mail to: Howard W. Sams & Co., Inc./4300 W. 62nd St.
Indianapolis, Ind. 46206

EM2



Communications Want

FALL/WINTER 1976





CONTENTS

 A Pinch of Theory
 Wavelength Wisdom
 DX: A Many-Faceted Hobby • The Lowdown on Utes • Loose Lips Sink Ships . Voice Mirrors . Donald Duck Talk . The Dit-Dah Bit Tunable Shortwave Utes • Feeders • Inspector Clouseau's Agency

The Military Utes

From Russia With Love?

Data Bank • Easy-on-the-Wallet Books • Lowdown on the High Bands • What's to Hear? • Ingredients of Long Range Reception . More Bent Signals . Paging John Doe On to the Broadcasters • Buying a SW Receiver • Signal-to-Noise Ratios Selectivity
 Frequency Readout: Accuracy Counts
 The Receiver Market Today • The Under-\$100 Range • Between \$100 and \$200 • The Sky's the Limit • Mailbag Time Again • British DX Equipment Report • How to Get a Used Receiver Eureka! In Georgia ● A Helping Hoosier ● Airwave Piracy in New York • The QSL Scene • The Art of Requesting a QSL • Frequency • Time • Date • Program Details • Reception Conditions • The SINPO Code • Equipment • The Final Touch Clubs, Clubs, and More Clubs
 Last Words From All Over ... Starts on Page 13

WHITE'S RADIO LOG

| U.S. AM Stations by Frequency | 39 |
|--|------|
| U.S. AM Stations by Location | 48 . |
| U.S. AM Stations by Call Letters | 61 |
| U.S. FM Stations by Location | 69 |
| U.S. FM Stations by Call Letters | 77 |
| U.S. TV Stations by Location | 85 |
| Canadian AM Stations by Frequency Canadian AM Stations by Location | 87 |
| Canadian AM Stations by Location | 89 |
| Canadian AM Stations by Call Letters | 90 |
| Canadian FM Stations by Location | 90 |
| Canadian FM Stations by Call Letters | 91 |
| Canadian TV Stations by Location | 91 |
| Worldwide Shortwave Stations | 92 |
| WHAT'S HAPPENING IN CB | |
| Now You Can Go CB Today! | 37 |
| OR New Products | 52 |
| CB New Products | |
| DEPARTMENTS | |
| New Products | 6 |
| ASK Hank | |
| Literature Library | 97 |

THE STAFF

Editor-in-Chief & Electronics Group Coordinator Julian S. Martin, WA2CQL

Associate Editor
Christine Begole, KFC3553

Communications Editor
Don Jensen

Technical Editors
Charles Graham, W1HFI
Morgan W. Godwin, W4WFL

Citizens Band Editor Kathi Martin, KGK3916

Production Manager Hui Wang

Production Editor Geri Brakatselos

> Art Director Ralph Rubino

Assistant Art Director Augustus Ginnochio

Cover Art Director Irving Bernstein

Art Assistants Robert Modero Caroline Imparato

Advertising Director

David J. Miller, KCX1268

Newsstand Circulation Director **Don Gabree**

Subscription Circulation & Marketing Director Robert V. Enlow

Director of Market Development James C. Weakley

President and Publisher
Joel Davis

Vice President and General Manager Leonard F. Pinto

> Vice President and Treasurer Victor C. Stabile, KBP0681

COMMUNICATIONS WORLD is published semi-annually by Davis Publications, Inc. Editorial and business offices: 229 Park Avenue South, New York, New York 10003. Advertising offices: New York, 229 Park Avenue South, 212-OR 3-1300; Chicago, 520 N. Michigan Ave., 312-527-0330; Los Angeles: J. E. Publishers' Rep. Co., 8732 Sunset Blvd., 213-659-3810.

EDITORIAL CONTRIBUTIONS must be accompanied by return postage and will be handled with reasonable care; however, publisher assumes no responsibility for return or safety of manuscripts, artwork, or photographs. All contributions should be addressed to the Editor-in-Chief, COMMUNICATIONS WORLD, 229 Park Avenue South, New York, New York 10003.

Copyright 1976 by Davis Publications, Inc.

ILD 20 RADIO

and Electronics Circuits

ROGRESSIVE HOME RADIO-T.V. COU

Now Includes

- ★ 12 RECEIVERS
- 3 TRANSMITTERS
- * SQ. WAVE GENERATOR
- ★ SIGNAL TRACER ★ AMPLIFIER
- SIGNAL INJECTOR
- CODE OSCILLATOR
- ★ No Knowledge of Radio Necessary
- * No Additional Parts or Tools Needed
- * EXCELLENT BACKGROUND FOR TV
- * SCHOOL INQUIRIES INVITED
- ★ Sold In 79 Countries

YOU DON'T HAVE TO SPEND HUNDREDS OF DOLLARS FOR A RADIO COURSE

The "Edu-Kit" offers you an outstanding PRACTICAL HOME RADIO COURSE at a rock-bottom price, Our Kit is designed to train Radio & Electronics Technicians, making use of the most modern methods of home training, You will learn radio theory, construction practice and servicing. THIS IS A COMPLETE RADIO COURSE IN EVERY DETAIL, You will learn how to build radios, using regular schematics; how to wire and solden in a professional manner; how to service radios. You will work with the standard type of punched metal chassis as well as the latest development of Printed Circuit chassis. You will learn the basic principles of radio. You will construct, study and work with RF and AF amplifiers and oscillators, detectors, rectifiers, test equipment. You will learn and practice code, using the Progressive Code Oscillator. You will learn and practice trouble-shooting, using the Progressive Signal Tracer, Progressive Signal Injector, Progressive Dynamic Radio & Electronics Tester, Square Wave Generator and the accompany-ing material material material material material material. The progressive Signal Injector, Progressive Signal Injector, Square Wave Generator, Code Oscillator, Signal Tracer, and It Receiver, Transmitter, Square Wave Generator, Code Oscillator, Signal Tracer, and Signal Injector circuits, and learn how to operate them. You will receive an excellent background in the product of many years of teaching and engineering experience. The "Edu-Kit" will provide you with a basic education in Electronics and Radio, worth many times the low price you pay. The Signal Tracer alone is worth more than the price of the kit.

THE KIT FOR EVERYONE

You do not need the slightest background in radio or science. Whether you are interested in Radio & Electronics because you want an interesting hobby, a well paying business or a job with a future, you will find the "Edu-Kit" a worth-while investment. Many thousands of individuals of all

ages and backgrounds have successfully used the "Edu-Kit" in more than 79 countries of the world. The "Edu-Kit" has been carefully designed, step by step, so that you cannot make a mistake, The "Edu-Kit" allows you to teach yourself at your own rate. No instructor is necessary.

PROGRESSIVE TEACHING METHOD

The Progressive Radio "Edu-Kit" is the foremost educational radio kit in the world, and is universally accepted as the standard in the field of electronics training. The "Edu-Kit" uses the modern educational principle of "Learn by Doing." Therefore you construct, learn schematics, study theory, practice trouble shooting—all in a closely integrated program designed to provide an easily-learned, thorough and interesting background in radio. You begin by examining the various radio parts of the "Edu-Kit." You then learn the function, theory and wiring of these parts. Then you build a simple radio. With this first set you will enjoy listening to regular broadcast stations, learn more advanced theory and trouble-shooting. Then you build a more advanced radio, learn more advanced theory and techniques. Gradually, in a progressive manner, and at your own rate, you will find yourself constructing more advanced multi-tube radio circuits, and doing work like a professional Radio Techniciam.

Tracer, Square Wave Generator and Signal Injector Circuits. These are not unprofessional radio-construction will genuine radio circuits, constructed by means of professional will read board" experiments, but genuine radio circuits, constructed by means of professional will man soldering on metal chassis, plus the new method of radio construction known as "Printed Circuitry." These circuits operate on your regular AC or DC house current.

THE "EDU-KIT" IS COMPLETE

You will receive all parts and instructions necessary to build twenty different radio and electronics circuits, each guaranteed to operate. Our Kits contain tubes, tube sockets, variable, electrolytic, mica, ceramic and paper dielectric condensers, resistors, tie strips, hardware, tubing, punched metal chassis, Instruction Manuals, hook-up wire, solder, selenium rectifiers, coils, volume controls and switches, etc.

In addition, you receive Printed Circuit materials, including Printed Circuit chassis, special tube sockets, hardware and instructions. You also receive a useful set of tools, a professional electric soldering iron, and a self-powered Dynamic Radio and Electronics Tester. The "Edu-Kit" also includes Code Instructions and the Progressive Code Oscillator, in addition to F.C.C. Radio Amateur License training. You will also receive lessons for servicing with the Progressive Signal Tracer and the Progressive Signal Injector, a High Fidelity Guide and a Quiz Book. You receive Membership in Radio-TV Club; Free Consultation Service, Certificate of Merit and Discount Privileges. You receive all parts, tools, instructions, etc. Everything is yours to keep.

Reg. U.S. Pat. Off.

Training Electronics Technicians Since 1946

FREE EXTRAS

SET OF TOOLS

- SOLDERING IRON
- ELECTRONICS TESTER

- PLIERS-CUTTERS
 VALUABLE DISCOUNT CARD
 CERTIFICATE OF MERIT
 TESTER INSTRUCTION MANUAL
 HIGH FIDELITY GUIDE . QUIZZES
 TELEVISION BOOK . RADIO
 TROUBLE-SHOOTING BOOK
 MEMBERSHIP IN RADIO-TV CLUB:
 CONSULTATION SERVICE . FCC
 AMATEUR LICENSE TRAINING
 PRINTED CIRCUITRY

SERVICING LESSONS

You will learn trouble-shooting and servicing in a progressive manner. You will practice repairs on the sets that you construct. You will learn symptoms and causes of trouble in home, portable and the set of t

FROM OUR MAIL BAG

J. Stataitis, of 25 Poplar Pl., Waterbury, Conn., writes: "I have repaired several sets for my friends, and made money. The Edu-Hir paid for itself, as ready to spend \$240 for a Course, but it found your ad and sent for your kit. "The Edu-Kits are wonderful, Here I am sending you the questions and also the answers for them. I have been in Radio for the last seven years, but like to work with Radio Kits, and like to build Radio Testing Equipment. I enjoyed every minute I worked with the different kits; the Signal Tracer works fine. Also like to let you know that I feel proud of becoming a member of your Radio-TV Club."

Radio-TV Club."

Radio-TV Club."

Hundreston, W. Va.: "Thought I would drop you a few lines to say that I received my Edu-Kit, and was really amazed that such a bargain can be had at such a low price. I have already started repairing radios and phonographs. My friends were really surprised to see me get into the swing of it so quickly. The Trouble, if there Is any to be found."

PRINTED CIRCUITRY

At no increase in price, the "Edu-Ki?" now includes Printed Circuitry. You build a Printed Circuit Signal Injector, a unique servicing instrument that can detect many Radio and TV troubles. This revolutionary new technique of radio construction is now becoming popular in commercial radio and TV sets.

becoming popular in commercial ratio and TV sets.

A Printed Circuit is a special insulated chassis on which has been deposited a conducting material which takes the place of wiring. The various parts are merely plugged in and soldered to terminals.

Printed Circuitry is the basis of modern Automation Electronics. A knowledge of this subject is a necessity today for anyone interested in Electronics.

Progressive "Edu-Kits" Inc., 1189 Broadway, Dept. 510FR Hewlett, N.Y. 11557

| Please ru | ısh me | free | literature | describing | the | Progressive |
|-----------|--------|------|------------|------------|-----|-------------|
| Radio-TV | Course | with | Edu-Kits. | No Salesm | nan | will call. |

NAME.....

ADDRESS.....

CITY & STATE.....ZIP.....ZIP.....

PROGRESSIVE "EDU-KITS" INC.

1189 Broadway, Dept. 510FR

Hewlett, N.Y. 11557

Barlow Wadley XCR-30 Receiver



- * Only general coverage direct frequency readout portable
- * Original Wadley loop circuit
- * Tunes 500 kHz to 30.99 MHz .
- * Receives AM, CW, USB and LSB
- * Clarifier fine tunes SSB
- * One microvolt SW sensitivity
- * Reset or readout within ± 5 kHz
- * Zero set adjustment on panel
- * Average 300 + hour battery life

Antenna "Multi-tuner"



- Matches any antenna to any shortwave receiver
- Usable from 2 to 35 MHz
- Choice of 5 matching circuits
- Coaxial or long wire input
- 10-position coil tap switch

GILFER C-10 Calibrator



- Calibrate any type of receiver
- Strong harmonics every 10, 25, 50, 100 and 1000 kHz
- Adjustable output level
- Modern CMOS integrated circuits
- Accurate—completely drift-free
- Identifies by "Gate" circuit
- Easy to use—long battery life

See our mini-catalog for other SWL supplies including books, clocks, antennas, headphones, log sheets, receivers, QSL albums, etc.

GILFER ASSOCIATES, INC

P.O. Box 239, Park Ridge, NJ 07656 CIRCLE 8 ON READER SERVICE COUPON

New Products

Darkroom Exposure Meter.

PixTronics' new Model 200 Super Senitive Electronic Darkroom Meter is used to determine the correct exposures of all black-and-white and color negatives for printing enlargements. The Model 200 is simple to utilize with any enlarger and its use eliminates the need for constantly making costly and time-consuming test strips. The unit works on 110 volts AC, measures 6¾ by 5¼ by 2¼ inches, weighs 2½ pounds, and is supplied with its own plug-in easel probe. The probe has two apertures (32-in. and 32-in.) taking care of all exposure requirements. The 4½-inch illuminated dial of the meter makes it easy to read the scales in the dark. The meter has three sensitivity ranges for reading photographic negatives of any density. It also has a Sensitivity Control for making the necessary reference reading of a test negative for quick-and-easy exposure determination of any new negative. The Sensitivity Control is also utilized in conjunction with



CIRCLE 50 ON READER SERVICE COUPON

the Easel probe to find the correct paper grades for black-and-white projection printing. The Model 200 sells for \$87.50. Two accessory probes, priced at \$10.50 each, are also available. A special density probe and a simple pin-hole light box provide a practical, inexpensive, and accurate way to read directly the density of any negative. A regular probe, cylindrical in shape, 1/8 inch diam. by 2 inches along with 3-foot cable, is available for ground glass photography and many other applications. For more information, please write to PixTronics, Dept. NREE, 681 East 46th Street, Brooklyn, New York 11203, or Circle No. on the Reader Service Coupon.

Pocket for Two

Cop-scan VHFH/U, a dual-band 4-channel portable FM monitor featuring a double screw mounted flexible antenna duo as standard equipment, has been introduced by Courier. The double antenna concept of the Cop-scan VHFH/U provides the user maximum adaptability under most circumstances without having to pull a standard telescope in and out constantly. Cop-scan VHFH/U enables the user to listen to public safety, weather, or other broadcasts on either high band VHF (145-175 MHz) or UHF

(450-475 MHz). The unit uses dual crystal sockets to permit any channel to be assigned to either the high band VHF or UHF. Cop-scan VHF/HU features superior selectivity and sensitivity with



excellent adjacent channel rejection characteristics. The unit utilizes dual conversion superheterodyne circuitry with both high frequency crystal filter and ceramic filter. Along with the double screw mounted flexible antenna, which is provided as standard equipment, the unit comes equipped with provision for earplug, 6-volt power supply, and an external battery charger operation if an optional Nickel-Cadmium package is employed. The Cop-scan VHFH/U sells for \$149.95. For more info on Cop-scan units, write to Fannon/Courier Corp., 990 So. Fair Oaks Ave., Pasadena, CA 91105

Radio Desk Phone

Wireless poolside phones are for the elite, not necessarily the rich, because you can have one, or have a wireless phone anywhere in your house with Redifone Model 200 cordless extension



telephone. The portable unit looks like the standard desk set telephone. The Redifone is offered with an optional integral push-button/dial pulse conversion electronic circuit which adapts its usage to any locale and is fully approved by the FCC. The nuisance of redialing a telephone number after a busy signal



Thousands of people have discovered the fun and savings — of handcrafting a fine piece of electronic equipment. You can build it better - let us show you how.

Send for your FREE catalog today!

Heath Company, Dept. 205-21 Benton Harbor, Michigan 49022

| Please send me my FREE Heathkit Catal I am not on your mailing list. | log. |
|--|-------|
| Name | |
| | |
| Address | |
| City | State |
| CL-608 | Zip |

New INTERNATIONAL broadband amplifier MODEL 150-299



14 db gain - 10 to 1,000 MHz

International's inline amplifier provides 14 db gain flat within 1 db over a range of 10 to 1,000 MHz. Impedance 50 ohms. Requires 20 VDC @ 50 ma. For increased gain additional amplifier may be added. Uses BNC type terminals.

SPECIFICATIONS

Range: 10 to 1,000 MHz Impedance: 50 ohms DC Input*: 20 VDC 50 ma

Gain**: 14 db

Flatness: ± 1 db (Ref. 500 MHz) Operating Temperature: -25 to +70°C

Noise Figure: 9 db VSWR Output: 2.0

Output capability for -60 db near Intermodulation distortion: 100 MV

*Will operate 12 to 24 VDC with some loss

in characteristics.

"May cascade for additional gain with consideration of noise and flatness."

Price \$40.00 plus postage



INTERNATIONAL CRYSTAL MFG. CO., INC. 10 North Lee Oklahoma City, Oklahoma 73102

CIRCLE 7 ON READER SERVICE COUPON

WRITE MCGEE'S **BIG SPEAKER CATALOG**

1001 BARGAINS IN

SPEAKERS - PARTS -TUBES - HIGH FIDELITY COMPONENTS - RECORD CHANGERS Tape Recorders-Kits-Everything in Electronics 1901 McGee Street, Kansas City, Missouri 64108

has been received is now eliminated with the Model 200SDW's optional 11digit memory feature. The last number dialed is automatically stored in the Redifone memory circuit. To re-dial the number, only the memory retrieval (Star) button need be depressed to automatically place the call. The built-in memory always stores the last number dialed, hence, no special encoding or memory clearance is required. Redifone electronics are housed in a standard desk telephone set with a telescoping antenna. It operates in conjunction with an attractive walnut-finished transponder base unit that plugs into any standard telephone wall jack and operates from 117 VAC. The Redifone uses two widely differing frequencies for its duplex operation and there are six different operating channels available. Operating range for the Redifone system is approximately 300 feet. The retail price is \$395.95 complete for one Redifone, with battery charger, transponder, and phone line connection. The system is guaranteed for one year. Further information on the multi-feature Model 200SDW cordless telephone may be obtained from Gutzmer International, Inc., P.O. Box 27243, Milwaukee, Wisconsin 53227.

Stereo Entertainment Center

Now you can install a Stereo Entertainment Center in your pleasure boat, van, RV, or camper. The unit is an overhead "custom" housing designed to hold any J.I.L. in-dash model and two speakers, while providing easy access to front panel controls for driver and passenger. The Stereo, Entertainment Cen-



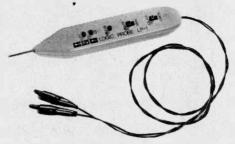
CIRCLE 46 ON READER SERVICE COUPON

ter's handsome, sculpted black grain casing incorporates a pair of air-sus-pended speakers which are mounted at a special angle to offer optimum sound reproduction. Web cushions separate the speaker voice cone from the frame, creating a better base response. This selfcontained unit attaches easily to the roof panel, offering free access to front panel controls for both driver and passenger. Overall dimensions are 24 inches long by 51/4 inches deep by 9 inches wide. Price is \$39.95. For complete information on the Stereo Entertainment Center, write Dept. P, J.I.L., 737 West Artesia Blvd., Compton, CA 90220.

Logic Probe

Continental Specialties now offers its Model LP-1 Multi-Family Logic Probe— a low-cost, pocket-sized, multi-function test instrument for digital applications.

In a single housing not much bigger than a fountain pen, the LP-1 combines the functions of a pulse detector, pulse stretcher, and memory circuit, allowing hobbyists to get an instant picture of static and dynamic circuit conditions with most popular logic families. The Logic Probe's low price is \$44.95. LP-1's ability to detect pulses as short as 50 nanoseconds, coupled with its stretching and latching ability, means that oneshot, low-rep-rate, narrow pulses-nearly



CIRCLE 53 ON READER SERVICE COUPON

impossible to see, even with a fast scope -are now easily detectable and visible. LP-1 is housed in a rugged molded plastic case with built-in strain-relieved power cables and reverse-polarity/overvoltage protection. For further information, contact Continental Specialties Corporation, 44 Kendall Street, Box 1942, New Haven, CT 06509.

Wind Speed Meter

A new hand-held Wind Speed Meter is being offered by Edmund Scientific. It weighs one pound, has a big easy-toread dial-type meter and is sensitive enough to catch a five-mph breeze, vet rugged enough to stand up to a 70-mph gale. Accurate to ±3% of full scale (2.1 mph), the Wind Speed Meter requires no batteries, electrical circuits, adjustments, or recalibration. Priced at only \$19.95, it is 71/2 inches high and is as mobile as a person's hand. It's



CIRCLE 62 ON READER SERVICE COUPON

so simple to use that it requires no instructions. Just point the meter to the wind and read the speed within two seconds. Marine bronze and brass are used for all critical moving parts. Equipped with a security strap, the meter is completely self-contained and comes in an attractive black plastic case. The Wind Speed Meter (Stock No. 42,428) is available by mail for \$19.95 postpaid from Edmund Scientific Co., 380 Edscorp Bldg., Barrington, N.J.

Whent can iste



with the Realistic DX-160 Receiver

Full-feature design for HAM/SWL CB/SSB/AM listening 15995

The modern world is a "global village" when you own the gives you eleven controls and switches; you can really "pull versatile DX-160. Five bands covering 130 kHz to 30 MHz let you monitor all types of transmissions from all over the world. Pick up all the CB channels, both AM and SSB. Hear native music, news, even clandestine shortwave stations from places like Djakarta, Addis Ababa, and Barbados. Learn "first hand" of disasters and coups around the globe - minutes after they occur. Tune in longwave aviation/ marine weather reports and special civil defense disaster frequencies. Receive WWV time signals and radio propagation forecasts. And you'll be surprised at the DX-power you get on the standard AM broadcast band. The DX-160

out" those distant stations. Main tuning control plus precision bandspread tuning calibrated for the Amateur bands. A product detector and BFO assure superior SSB and code reception. Controls for audio and RF gain, BFO pitch and antenna trim. Switches for automatic noise limiting, AMto-CW/SSB, fast or slow automatic volume control, and standby for use with a transmitter. FET's in all critical stages for maximum sensitivity and selectivity and crystal-filter IF stages for reduced noise. Illuminated S-meter. Headphone jack. And the matching speaker is included. U.L. listed. The DX-160 — what a way to travel! Ask for 20-152.

Just Say "Charge It" at participating stores





SOLD ONLY WHERE YOU SEE THIS SIGN:

A TANDY CORPORATION COMPANY OVER 5000 LOCATIONS • 50 STATES • 9 COUNTRIES

928

BEST COMMUNICATIONS & CB RADIO BOOKS

SEND NO MONEY We'll invoice you on 10-DAY FREE TRIAL. Clip entire ad to order 100% guaranteed—used by hundreds of thousands to learn. TAB BOOKS, DEPT. CW-96, P. O. Box 40, Blue Ridge Summit, Pa. 17214

CIRCLE 6 ON READER SERVICE COUPON

ONE-SEVENTH **OF YOUR**

High Blood Pressure is the country's leading contributor to stroke, heart disease and kidney failure. And one out of every seven of your workers has it.

But you can help. By sending for a special kit, "Guidelines for High Blood Pressure Control Programs in Business and Industry. Write to: National High Blood Pressure Education Program, 120/80, National Institutes of Health, Room 1012-Landow Bldg., Bethesda, Md. 20014.

> HIGH BLOOD PRESSURE Treat it...and live.

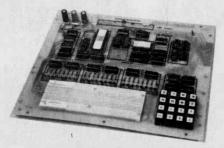
A Public Service of this Magazine & The Advertising Council Ad



New Produc

Microcomputers for Beginners

A small, inexpensive microcomputer using the popular 8080A has been developed by E&L Instruments. The new MiniMicro Designer is aimed at both engineering and educational users who may not have microcomputer experience. The MiniMicro Designer fills the price/performance gap between chips and large systems requiring terminals and additional hardware. The new system is



CIRCLE 63 ON READER SERVICE COUPON

backed by three modules of self-paced text and experiments, plus over 500 pages of experimental text in E&L's Bugbook III. The MiniMicro Designer has a keyboard for data entry and solderless breadboarding area. The system is expandable for the 8080A's full capability. The MiniMicro Designer is available in a variety of kits and assembled units, all with the educational modules. Prices start at \$125. Write to E&L Instruments, 61 First Street, Derby, CT 06418 for information.

Portable Radio/Recorder

The sounds of today-whether they're FM/AM broadcasts or cassette tapeswill come out loud and clear with Panasonic's new Model RQ-548S cassette recorder, FM/AM radio. The unit features a large free-edge type 7-inch dual cone speaker. Operating on four "D" size batteries, on AC, or on the move with optional car adapter (RP-917), the RQ-548S picks up sound clearly from all directions with a built-in condenser microphone. With external, optional mic-



rophone (WM-2264), the RQ-548S allows the user to mix his voice in both record and play-back, and a check of recording level or battery strength is easy with the unit's level/battery meter. In addition to Auto-Stop for safeguarding tape and preserving battery strength, the RQ-548S also features a cue and review control, digital tape counter, and lockable pause control. With a raised, angled FM/AM radio dial scale for easy viewing, the unit also offers variable sound monitor. While a resistor printed circuit board offers high reliability, a 4-stage intermediate frequency (IF) amplifier ensures increased S/N ratio and eliminates distortion. With AC cord, erase plug, and four Panasonic "D" size batteries, the RQ-548S has a manufacturer's suggested price of \$129.95. To get more data, write to Panasonic, One Panasonic Way, Secaucus, NJ 07094.

Cassette Editor and Winder Kit

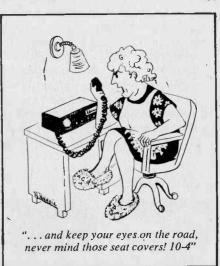
The new BiB Cassette Editor and Winder Kit comes with splicer, splicing tape and accessories, tape cutter, empty cassette, and winding board. The kit is





CIRCLE 57 ON READER SERVICE COUPON

designed to enable complete servicing of cassettes-editing and splicing as well as transferring and adding of tape. The winding board allows for the fast winding of cassette tapes. The BiB Cassette Editor and Winder Kit comes complete with instructions and is packaged in a see-through window, display carton. Sells for \$21.95. For further information, write to BiB, 155 Michael Drive, Syosset, NY 11791.



No CBer will want to pass this up!



ON SALE AUGUST 3, 1976

DICTIONARY OF CB LINGO is the most comprehensive guide to CB talk ever published! Over 2,000 cross-indexed words and phrases, liberally illustrated, and including: Complete Glossary of Technical Terms, all CB codes, the new Secret Truckers' Twelve Code, Truckers Atlas. You'll learn how to make it on the air in a jiffy—FCC's new "Speed License." Double the value of anything you've seen published!

PLUS!

YOUR PERSONALIZED CB DECAL for your car or truck window!



BRIGHT, VIVID COLORS
3" DIAMETER
SELF-ADHESIVE

- Red, White, and Blue
- Goes on easy on the inside of your window
- You put your "call" or "handle" or both in this spacebefore applying to window.
- · a totally unique design

ACT TODAY!



ON SALE JUNE 8, 1976

CB DIGEST is for all CBers, new-comers and oldtimers alike! 8
Chapters and Appendix—160 pages in all—explain what CB is, how to get a license, choosing and installing equipment including antennas and accessories, and how to get the most out of your CB radio. You'll find simplified FCC Class D CB Rules and Regulations as well as Canada's CB Rules. CB Digest takes you all the way in useful, essential information!

ANY ONE OR ALL 3 DELIVERED TO YOUR DOORSTEP. WHAT ELSE IS DIFFERENT?—Our staff has an accumulated 66 years in CB 2-way radio and another 80 years of 2-way radio experience in the amateur and commercial fields. You get useful information like no one else can give you!

| Davis Publications, Inc., (CB | Division), 229 | Park Avenue Sou | th, New Yo | rk, NY 10003 |
|--|----------------|------------------------|------------|---|
| CB DIGEST \$1.75 plus 25¢ shipping & postage | items I have | | 1 | order) for the 50¢ shipping and postag |
| DICTIONARY OF CB LINGO \$1.75 plus 25¢ shipping & postage | Name | 5 \$4.25 101 an \$ (We | save you | , |
| with plas 20¢ shipping & postage | | (please print) | i | Enclose 25¢ for each item as each must be |
| ☐ CB DECAL, | Address | | | shipped individually. |



Got a question or a problem with a project—ask Hank! Please remember that Hank's column is limited to answering specific electronic project questions that you send to him. Personal replies cannot be made. Sorry, he isn't offering a circuit design service. Write to:

Hank Scott, Workshop Editor COMMUNICATIONS WORLD 229 Park Avenue South New York, NY 10003

\$10 and Up!

As I wrote out my shopping list for the parts I needed to build the "Chip-tock" (July/August Elementary Electronics), I found that my total price added up to \$19.65, not including the LED's, IC, Aluminum Case, or IC socket. The price on the cover says \$10.00. Where did I go wrong?

-B. B., Las Vegas, NV

Many readers have written to say that they can't get the parts for our LED Chip Digital Clock for ten dollars or less. Many readers have priced the individual parts and have found that they cost quite a bit more. Fear not—two firms are prepared to supply everything except the power transformers for under ten bucks in a kit which includes the printed circuit board. Write to either of the following two firms for details: S. D. Sales, Box 28810, Dallas, TX 75228, and Optoelectronics, Inc., Box 219, Hollywood, FL 33022.

Penny Saved is a Dollar Lost

I am planning to use cheap cassette tapes (3 cassettes for \$1.25) for a lot of program material where fidelity is not important. Is this tape any more abrasive than the better grades? Would it harm the heads of my Pioneer CT-F2121 cassette deck?

-J. S., Auburn, AL

I would say yes. Also, large deposits of material and junk will pile up the heads and fill the gaps. Please, don't think cheap.

One Will Work

Would it be okay to split up my dual, trunk-mount CB antennas and still get good performance by just using one of the two?

-K. H., Turnersville, NJ

Connect the antenna direct to the CB unit with a single cable. But don't trust me, check out the standing wave ratio with an SWR meter.

Likes Our Work

Thank you for the first edition of BUDGET ELECTRONICS. A magazine like that should be put out once every 2 months. You have something for everyone. The market is loaded with engineer's magazines. What we need is something for the beginners, household repairers, CBers, Hams, and the common man. I have 3 antique radios in need of restoration. In this issue of BUDGET ELECTRONICS I found the address where I could get help. That article is worth the price of the magazine. Thank you again. —S. S., Rivesville, WV

Your letter is the kind we like to receive. We're glad BUDGET ELECTRONICS was of value to you as well as countless other readers. Look for the latest issue at your favorite newsstand after August 31, 1976, or send \$1.35 direct to this magazine for your copy.

TV Shoots Down Aero

Whenever my folks watch channel 2 on TV, they wipe out reception on my aero band receiver. For example, I can't hear Logan International Airport. What gives?

—R. G., Cohasset, MA

The sound carrier for channel 2 is 59.75 MHz, which is exactly one half the frequency of the Logan station on 119.9 MHz. Obviously your interference is the sound harmonic of the channel 2 video signal which is generated by the TV set. See if you can ground the chassis and/or metal cabinet (if any). Caution: refer to a schematic diagram of the television receiver to be sure it is not connected to one side of the AC line, or in some way hot with respect to ground.

Likes to Carry Weight

I want to take my CB mobile rig into the woods for emergency communications only. I need the full 5-watts and can't go for an additional walkie-talkie unit. How many D cells do I need?

-F. S., Houston, OH

Forget D cells of any type. Pick up two 6-volt motorcycle wet cells that are spill proof. They will do a better job and can be charged by your car's electrical system as you drive to the camp site. However, you should still consider the cost of a good 5-watt walkie-talkie.

AM Listener

Hank, I'm an avid listener of AM broadcast, band and I pick up stations of cities as far as St. Louis, MO or New Orleans, LA. Is there a system of reports in AM stations like QSLs on shortwave?

—D. H., Quebec, Canada

It's the same procedure but the results are usually very poor.

Lend a Hand

Our readers ask for help that you may be able to offer. If you can, lend a hand, lads!

▲ Jerry Allgire, Rt. 3, Montpelier, OH 43543 needs a schematic diagram for a Windsor stereo 8-track tape player for the auto.

▲ Have you anything on an old Echophone Commercial Model EC-3 communications receiver? If yes, write to Peter N. Dutton, RFD 3, Box 428, Rochester, NH 03867.

▲ Albert J. Kiss of 41-20 147th St., Flushing, NY 11355 needs schematic diagram and alignment info on the Hallicrafters S-R3 general coverage shortwave receiver.

▲ James B. Bettis, Jr., whose handle is "Old Smoothie", would like to obtain an old General Radio & Telephone CB transceiver of vintage pre-1960 such as Models MC-4 or MC-5. Got one? Write to the "Old Smoothie" at 6443 Aylesworth Dr., Parma Hts., OH 44130.

▲ If you have a schematic diagram for a Precise 300 oscilloscope send a copy to Jorge Brand R., Dalias #29, Prado San Mateo, Naucalpan, EDo. de Mex, Mexico.

▲ William Valora, Jr. of 562 Alter St., Hazleton, PA 18201 would like to get the complete construction and operational books on the Lafayette Model. KT-200 shortwave receiver kit.

▲ Lewis E. Avery would like to restore a Hallicrafters Model S-40B receiver and needs help. Write to him at RD #1, Box 51-B, Ellenville, NY 12428.

A Robert R. Lintner, 102 Cherry St., Gnadenhutten, OH 44629, would like technical literature and diagrams for the Hallicrafters S-40A shortwave receiver.

▲ Jon Rodominski owns a General Electric Model KL-500 shortwave receiver (1932) which works fine but has no dial glass. He would like to fabricate one if he could get a drawing copy, or photograph of one. If you can help, write to Jon at 2499 Ware Rd., Abbotsford, British Columbia, Canada V2S-3E2.

▲ If you have a schematic diagram of the Hammarlund HQ-129X transceiver, send it to John Bolt, 519 DeFoerd, Hockessin, DE 19707.

▲ Jeffrey C. Miller, 10210 Wish Avenue, Northridge, CA 91324 needs the schematic diagram and additional technical information on the Crosley Model 66TW

▲ John D. Baniak would like to obtain his FCC Radiotelephone First Class License from a resident school in the New York, New England area. If you know of a school, write to John at 654 4th St., Troy, NY 12180.

▲ Have any info on a CB rig identified as Falcon by Tecraft? If yes, write to Stewart-Rohner, 425 St. Thomas, Lafayette, LA 70501. He'd like to hear from you.

▲ Joe Crowley of 3340 Courtney Rd., Portsmouth, VA 23703 needs a manual for a tube tester made for Western Electric by Hickok Electrical Instruments Co. It is Model KS-5727-L1, serial #938.

▲ Frank Evenden needs the glass dial for the Model S107 by Hallicrafters. Write to him at RR 6, Box 218, Newton, NJ 07860.

▲ Brad Outer, 11407 Colleen Dr., Savannah, GA 31406 needs a schematic diagram for the Knight Safari I CB transceiver.

▲ Michael DeVita would like to obtain an owner's manual for a Monarch 4-band shortwave receiver. Write to Michael at 1505 No. West St., Lima, OH 45801.

einrich Rudolph Hertz, you've done it again! Hertz, you may recall from your high school physics class, was the German scientist whose discovery shook up the world back in about 1886. He paved the way for the development of radio, and in doing that, he set in motion events that in the 90 years since have figuratively shrunk the world.

Radio, together with its younger brother, television, made almost instantaneous worldwide communication possible. And, as a by-product of that, DXers can thank him for making this whole radio listening hobby possible

Old Heinrich discovered electromagnetic waves, the means by which a signal from some distant radio transmitter travels to our receivers.

The basic idea didn't belong to Hertz. Another scientist, James Clark Maxwell, had predicted the existence of such waves some 20 years earlier. But Hertz demonstrated to the world that electromagnetic waves did exist.

Building on Maxwell's theory, Hertz used a rapidly oscillating spark of electricity to produce ultra-high frequency electromagnetic waves. With no direct electrical connection, he demonstrated that these unseen waves caused similar electrical waves in a wire loop-what we'd call an antenna today-some distance away.

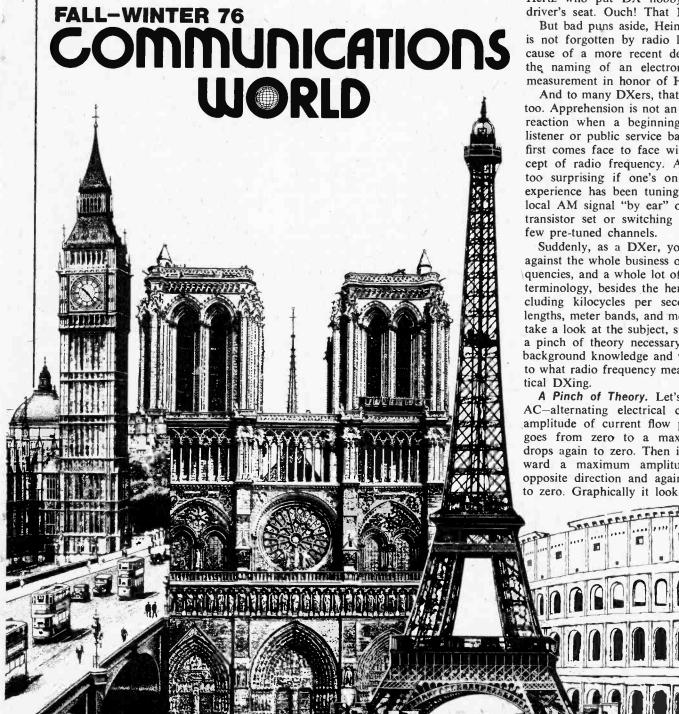
Wireless communication became possible. So, in a very real way, it was Hertz who put DX hobbyists in the driver's seat. Ouch! That Hertz!

But bad puns aside, Heinrich's name is not forgotten by radio listeners because of a more recent development: the naming of an electronic unit of measurement in honor of Hertz.

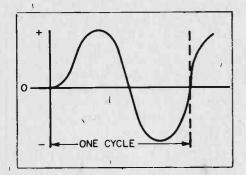
And to many DXers, that hertz hurts too. Apprehension is not an uncommon reaction when a beginning shortwave listener or public service band monitor first comes face to face with the concept of radio frequency. And it's not too surprising if one's only practical experience has been tuning in a loud, local AM signal "by ear" on a pocket transistor set or switching a TV to a few pre-tuned channels.

Suddenly, as a DXer, you come up against the whole business of radio frequencies, and a whole lot of unfamiliar terminology, besides the hertz unit, including kilocycles per second, wavelengths, meter bands, and more. So let's take a look at the subject, starting with a pinch of theory necessary to a little background knowledge and working up to what radio frequency means in prac-

A Pinch of Theory. Let's start with AC-alternating electrical current. Its amplitude of current flow periodically goes from zero to a maximum and drops again to zero. Then it heads toward a maximum amplitude in the opposite direction and again decreases to zero. Graphically it looks like this:



COMMUNICATIONS WORLD



One such fluctuation is called a cycle for obvious reasons. The number of cycles completed in a second is the current's frequency.

A hertz is defined as one cycle per second. Using the standard metric prefixes—kilo for thousand, mega for million and giga for billion—we come up with variations. A kilohertz (kHz) is 1,000 cycles per second, a megahertz (MHz) is a million cycles per second, and so on.

The frequencies between 10,000 hertz (10 kHz) and 30 billion hertz (30 GHz) are commonly called the radio frequencies because they are usually involved in radio communications. They are divided into seven categories: Very Low Frequency (VLF), 10 to 30 kHz; Low Frequency (LF), 30 to 300 kHz; Medium Frequency (MF), 300 to 3,000 kHz; High Frequency (HF), 3,000 to 30,000 kHz (3-30 MHz); Very High Frequency (VHF), 30 to 300 MHz; Ultra High Frequency (UHF), 300 to 3,000 MHz; Super High Frequency (SHF), 3,000 to 30,000 MHz (3-30 GHz); and Extremely High Frequency (EHF), 30 to 300 GHz.

Some hobby listeners concern themselves with the VLF LF ranges but most concentrate on MF, HF, VHF, and UHF. Very few, indeed, even experiment with the SHF and EHF

ranges.

Actually, DXers and monitors tend to think of radio frequencies more in terms of their usage by the various radio services. The MF range goes from 300 to 3,000 kHz, but medium wave DXers usually limit their tuning to the portion between 540 and 1,600 kHz, the standard AM radio band, leaving the top end of the scale to shortwavers. And, commonly, SWLs consider the shortwaves to include those frequencies between about 1,605 and 30,000 kHz.

Let's not get hung up on the business of transmitting a radio signal, or how the program or message goes from transmitter to your antenna. There are plenty of good theory books, some suitable for the non-technical types too, which adequately explain that. Suffice it to say that a current flow is induced on your antenna and when the receiver's circuits are properly adjusted. That is, when you've tuned the proper frequency, you should hear the radio signal.

Wavelength Wisdom. Frequency is one way of considering the matter of where to tune a receiver to hear a certain signal. Wavelength is another way. Frequency is the number of times the current completes a full cycle each second. Wavelength is the length of that cycle or wave. The more frequent the cycle, the shorter the wavelength. A station that operates on a high frequency has a short wavelength, and vice versa.

In North America today, most listeners use frequency references. In some overseas areas, the wavelength of a station is a more common concern. About the only real use U.S. and Canadian DXers make of wavelength is in broadly referring to specific shortwave bands. Wavelengths are measured using the metric system and, thus, we have the 31 meter band, the 19 meter band, and the like. In these examples the wavelengths of stations broadcasting in these bands are in the neighborhood of 31 meters (a little over 100 feet) and 19 meters (something more than 60 feet), respectively.

. Wavelength and frequency are related. You can convert back and forth from one to the other with relative ease, if you wish. The appropriate formulas are:

Frequency in kHz =

300,000

Wavelength in Meters

Wavelength in Meters =
300,000

Frequency in kHz

All right, so much for the lesson. Hertz really didn't hurt too much, did it? But let's get more practical.

Take one of the easiest to hear of the shortwave stations, WWV, the U.S. government's standard time and frequency station, our "radio clock" that ticks off the time 24 hours a day, transmitting from near Ft. Collins, CO.

One of WWV's most commonly heard frequencies is 10,000 kHz.

Now 10,000 kHz is exactly equivalent to 10 MHz, 10,000 kc/s, 10 Mc/s (the terms kilocycles per second and megacycles per second are equally cor-

rect, but increasingly are being supplanted by kHz and MHz), or a wavelength of 30 meters.

On small transistor portable dials, for space saving reasons, the AM radio band is often marked with a few single digits; 9 means 900 kHz, 14 means 1,400 kHz. Some portable shortwave or multi-band rigs indicate a handful of megahertz checkpoints on the dial. If your shortwave band has a spot marked, say, 9.5, remember that's 9.5 MHz, equal to 9,500 kHz.

Within the entire radio frequency spectrum there are countless transmitters of various sorts pumping out the watts, kilowatts, and even megawatts of power every minute of every day. These stations use a number of different transmitting modes: AM, FM, CW (Morse) code, single sideband, radio-teletype, facsimile, and more.

DXing is the hobby of tuning distant and low-powered not-so-distant stations for entertainment, information, and the sheer fun of hearing the hard-to-hear. There are many facets to the listening hobby. However many people miss a lot of the enjoyment by automatically assuming that DX only involves tuning the so-called broadcast stations.

DX: A Many-Faceted Hobby. Broadcast stations—as defined in the DXing hobby—are those that air program type material, including music, news, commentaries, entertainment, propaganda, and the like. They are specifically aiming at a general audience of listeners. There are broadcast (BC) stations on the LF longwaves (though not in North America), on the regular AM radio band, on shortwave frequencies. There are, of course, FM broadcasters on the VHF frequencies and television on both VHF and UHF.

A second broad category is amateur radio which involves private, personal two-way communications.

These two categories of stations take up only a small portion of the radio spectrum, less than a score of small band segments. Between these broadcast and ham bands, however, the Citizens Band and many thousands of other stations which DXers refer to as the utilities.

The Citizens Band in the U.S., Canada, and some other countries often makes for interesting and entertaining listening, especially under skip conditions when some real DX comes booming through.

The "utes" are difficult to define precisely. But they include, roughly, almost every type of station that is non-broadcast and non-amateur. It is a catchall category of almost everything else you're apt to hear on the air. These

FROM BOTTOM TO TOP Where to DX from 540 kHz to above 30,000 kHz

| 540-1605 1605-1800 1800-2065 2065-2300 2300-2500 2500-3200 3200-3400 3400-3500 3900-4000 4000-4750 | TYPE OF DX Broadcast Utility Amateur, Utility Utility Broadcast, Utility Utility Broadcast, Utility Utility Amateur, Utility Amateur, Broadcast, Utility Utility Amateur, Broadcast, Utility | | kHz 9775-10000 10000-11700 11700-11975 11975-14000 14000-14350 14350-15100 15100-15450 17700-17900 17900-21000 21000-21450 | TYPE OF DX Broadcast, Utility Utility Broadcast Utility Amateur Utility Broadcast Utility Broadcast Utility Broadcast Utility Amateur |
|---|--|---|--|---|
| 4750-560 5060-5950 5950-6200 6200-7000 7000-7100 7100-7300 7300-9500 9500-9775 | Broadcast Utility Broadcast Utility Amateur Amateur, Broadcast Utility Broadcast | 1 | 21450-21450 21450-21500 25600-26100 26100-26960 26960-27230 27230-28000 28000-29700 29700-30000 Above 30000 | Broadcast Utility Broadcast Utility Amateur, Citizens Band Utility Amateur Utility Amateur Utility Amateur, Utility Amateur, Utility, Broadcast |

are "working" stations whose purpose is communication. Their signals are definitely NOT intended for a general listening audience.

The Lowdown On Utes. The utility stations not only don't care if you hear them—unlike the broadcasters who try to attract listeners—but they'd really rather you didn't. They don't operate to inform or entertain you. They don't play music; they don't have newscasts. The purpose of the "utes" is to communicate, usually with other similar stations. They have the job of getting messages of one sort or another from one place to another.

Very broadly there are three categories of utility stations. They are the so-called fixed, or point-to-point stations, maritime, and aeronautical utilities.

The point-to-pointers carry traffic over certain fixed paths. They may be commercial ventures or government services, including military. The maritime utilities include coastal stations and those aboard ships and smaller craft, ranging from huge ocean liners and warships to small private boats. In the aeronautical service there are ground stations and those operating from the aircraft themselves. Some ground stations are two-way operations, called VOLMETS. They broadcast regular weather reports to aircraft on international and domestic routes.

Action band monitoring on the VHF and UHF public service frequencies involves a special type of utility DXing.

Here's a guy who was beginning to think he'd never get his pictures back from the developer. "I've been waiting for them for three months," writes Jim Taylor of New Albany, IN. Well, Jim, the waiting period's over. Here you are in COMMUNICATIONS WORLD, along with your DX shack.

and one that is growing by leaps and bounds in recent years.

Ah, you say, but if the utes aren't all that keen about people eavesdropping on their communications, is one looking for trouble, a session in the slammer or a hefty fine, by tuning their way? The answer is that listening in on the utes is completely, 100 per cent legal!

And that is as it should be. There is nothing more foolish than a law that is nonenforceable. And it is rather clear that there is no way any governmental authority could—or should—try to enforce a ban on listening to anything on the public airwaves. You are free to listen to anything you can hear. (When there is a real need for security from casual eavesdropping, ciphers or scrambled speech techniques are called into use.)

Loose Lips Sink Ships. However, there

| | | E FOR THE SW UTES |
|---|----------------|-------------------|
| | 1164 | MEHCIES III KUT |
| | POINT-TO-POINT | |
| | | 11 400 11 700 |
| | 2,000-2,170 | 11,400-11,700 |
| | 2,195-2,498 | 11,975-12,330 |
| | 2,505/2,625 | 13,360-14,000 |
| | 2,650-2,850 | 14,350-14,990 |
| | 3,155-3,400 | 15,450-16,460 |
| | 3,500-4,063 | 17,360-17,700 |
| | 4,438-4,650 | 18,030-19,990 |
| | 4,750-4,995 | 20,010-21,000 |
| | 5,005-5,450 | 21,750-21,850 |
| ì | 5,730-5,950 | 22,720-23,200 |
| | 6,765-7,000 | 23,350-24,990 |
| | | |
| | 7,300-8,195 | 25,010-25,070 |
| | 9,040-9,500 | 25,110-25,600 |
| | 9,775-9,995 | 26,100-27,500 |
| | 10,100-11,175 | 29,700-30,005 |
| | | |
| | MARITIME ~ | |
| | 4,231-4,438 | 12,689-13,200 |
| | 6,345.5-6,525 | 16,917.5-17,360 |
| | 8,459.5-8,815 | 22,374-22,720 |
| | , 1 | |
| | AERONAUTICAL ' | |
| | 2,850-3,155 | 10,005-10,100 |
| | 3,400-3,500 | 11,175-11,400 |
| | 3,800-3,950 | 13,200-13,360 |
| | 4,650-4,750 | 15,010-15,100 |
| | 5,480-5,730 | 17,900-18,030 |
| ĺ | 6,525-6,765 | 21,850-22,000 |
| I | | 23,200-23,350 |
| 1 | 8,815-9,040 | 23,200-23,330 |

are certain laws that pertain to what you might do with any information you overhear. In the United States, the pertinent law is the Communications Act of 1934, as amended. It prohibits listeners from divulging or beneficially using information derived from such monitoring.

What does that mean? In plain talk it means just this: Listen to your heart's content, but don't try to get some special, personal edge because of your monitoring.

If you prowl the police VHF frequencies in your community, all well and



© COMMUNICATIONS WORLD



This is a selected list of fixed circuit PTP stations operating on shortwave frequencies.

| | LIND ID A DESERTED HOLE | I IIVon allegate to the common of the | |
|---|--|---|---|
| | Country Afars & Issa Albania | Station Ownership PTT Service Radioelectrique Ministry of Communications | Freq. (KHz) 17,610, 19,545 7,790, 7,850 7,885, 16,165 |
| | Algeria Australia Austria Bahamas | Ministry of PT Australian Overseas Telecommunications Austrian Post and Telegraph Bahamas Goyt. Telecommunications | 8,789.5, 10,103 8,789.5, 10,420 6,787, 13,848 4,825, 6,838 |
| | Barbados | Cable and Wireless W. I. Ltd. | 10,115, 16,072.5 |
| | Belgium | Brussels Post, Telephone and Telegraph | 7,927, 14,360 |
| | Brazil | EMBRATEL | 11,670, 16,340 |
| | Burma | Posts and Telegraph Dept. | 20,460 |
| | Cameroun | Int. Telecom. of Cameroun | 7,870, 15,832 |
| | Canada | Canadian Overseas Telecom. Corp. | 12,265, 13,745 |
| | Canary Islands | Compania Telefonos Nac. Espana | 10,690, 13,560 |
| | Central Af. Rep. | France Cables et Radio | 11,160, 15,530 |
| | Ceylon | Overseas Telecom. Service | 9,050, 10,485 |
| | Chad | France Cables et Radio | 11,608, 14,747 |
| | Chile | ENTEL | 13,520, 15,640 |
| | Denmark | Director General of Post & Telegraph | 7,652, 11,460 |
| | Ecuador | Empressa Nac. de Telecommunicationes | 15,610 |
| | Falkland Is. | Cable and Wireless Ltd. · | 24,145 |
| | Gambia | Cable and Wireless Ltd. | 13,797 |
| | Germany, West | Deutsche Bundespost | 10,850, 16,430 |
| | Guam | RCA Global Communications | 10,621 |
| | Honduras | Tropical Radio Telegraph | 6,905, 11,190 |
| | Hungary | Minister of Posts | 6,390 |
| | Iraq | Director Gen. of Postes, Telegraphs | 18,898 |
| | Italy | Italia Cable | 10,135, 16,395 |
| | Ivory Coast | Soc. Telecom. Int. de la Cote d'Ivoire | 12,115, 16,380 |
| | Jamaica | Jamaica Int. Telecom. Ltd. | 5,205, 9,396 |
| | Japan | Kokusai Denshin Denwa Ltd. | 10,660, 15,700 |
| 1 | Kenya | East Af. External Telecom. Co. | 10,730, 15,547 |
| | Kuwait | Kuwait PTT | 7,699, 11,576 |
| | Lebanon | Societe Radio Orient | 8,090, 13,445 |
| | Liberia | Liberian Telecomm. Adm. | 10,730, 13,935 |
| | Martinique | French Telecomm. Service | 17,565 |
| | Mexico | Mexican Post, Telephone, Telegraph | 7,350 |
| | Netherlands New Zealand Nicaragua | Netherlands Post and Telecomm. New Zealand Post Office Tropical Radio Telegraph | 8,160, 14,500 18,770, 20,725 5,735 |
| | Pakistan | Pakistan Telephone and Telegraph | 20,936 |
| | Rhodesia | Rhodesian Post Office | 18,690 |
| | Saudi Arabia | Ministry of Communications | 9,867, 11,417 |
| | Senegal | France Cables et Radio | 20,327 |
| | Sierra Leone | Sierra Leone Telecommunications | 17,655 |
| | South Africa | South African Post Office | 6,770, 9,048 |
| | Spain | Compania Telefonos Nac. Espana | 10,120, 19,030 |
| | Sweden | Swedish Telecommunications | 16,052, 22,930 |
| | Switzerland | Swiss Telephone and Telegraph | 19,585 |
| | U.S.S.R. Zambia | Ministry of Communications Post Office Telecommunications | 13,710, 16,325 20,261 |

VERY LOW FREQUENCY DXING

The very low frequencies 3 to 30 kHz are off the beaten track but there are some DXers who prowl these bottom bands. And there are some interesting things to be heard here, much of it in CW Morse code.

| morac couc. | | | |
|-------------|---------|--------------------|-----------------------------|
| kHz | Station | Location | Type of transmission |
| 14.1 | NAA | Cutler, ME | Navy VLF communications |
| 14.5 | HWU | Le Blanc, France | Point-to-point 1 |
| 14.7 | NEJ | Seattle, WA | Navy VLF communications |
| 16.0 | GBR | Rugby, England | Time standard signals |
| 18.6 | NPG | San Francisco, CA | Navy VLF communications |
| 19.6 | GBZ | Rugby, England | Point-to-point |
| 24.0 | NBA | Balboa, Canal Zone | Navy RTTY, CW, time signals |
| 25.0 | RWF | USSR | CW, time signals |
| 25.0 | RCV | USSR | CW, time signals |
| 25.0 | ROR | USSR | CW, time signals |
| 20.0 | | | |

good as long as it is just for the excitement and fun of listening in on the action.

But if you run a garage and hear on your VHF scanner about an accident out on I-60, don't rush a wrecker to the scene in hopes of being Johnny-on-the-spot to pick up a little extra towing business. That's beneficially using the information you derived from your monitoring.

Technically, any time you tell a third party—in other words, "divulge"—specifically what you heard in the way of communications from one of these non-broadcasting utes, you're violating the law. Use some common sense. Nobody is going to toss you in jail for telling your buddy you heard the supercarrier USS John F. Kennedy communicating with the Naval shore station at Norfolk last night. But you could get into trouble if you blab it all around town that you heard on your police monitor that John Doe was picked up for drunken driving.

Some months ago, at DX Central, an unusual and fascinating transmission was heard on one of the aeronautical shortwave frequencies. It was air-to-ground traffic from the plane carrying Secretary of State Henry Kissinger home from one of his overseas jaunts. Surprisingly-enough, the radio traffic was "in the clear," not scrambled.

Suddenly a familiar voice was heard, a voice with an unmistakable accent. But if you think I'm going to tell you what that voice said, you've got another think coming!

Point-to-point utility stations are in business to carry radio traffic, messages, from one point to another. Much of this communication is not "scrambled" and is readily available to the average listener.

But not all of this traffic comes under the provisions of the "don't tell a soul" regulations. Some utility stations, sometimes, transmit what might be called semi-public information. Examples of this would include aeronautical and marine weather broadcasts. While not intended for a general listening public, they are directed to a rather large special class of listeners, such as the pilots of all aircraft within range of the signal, or ships radio officers at sea.

Voice Mirrors. Many point-to-point stations, when not actually working traffic with other stations, "hold" and mark the channel so as to make it easier to resume communication operations when traffic passing is scheduled. You may already have heard such markers, or voice mirrors as they are often called. They are identification type announcements, repeated over and over, seemingly without end.

This DXing setup is certainly neat. So it comes as no surprise to learn that its owner, Clarence Gouger Sr., is, by occupation, a custodian. "I've always liked radios," Clarence says, "and I know DXing is a good pastime." The large radio on the left is a Telefunken four-bander. On the desk are Clarence's shortwave sets, a Lafayette HA800B and a Hallicrafters \$40. On top are two Regency Monitoradios, one for the VHF low band, the other for the high band.

A voice mirror might sound something like this: "This is a transmission for circuit adjustment purposes from a station of the Transylvanian Post, Telephone and Telegraph Company. This station is located at Wolfbane," There is nothing personal or private about voice mirror transmissions and their identifying texts may be freely quoted.

If your DXing to date has involved only the broadcast type stations you've possibly never come across any transmission modes other than normal amplitude modulation (AM), or, perhaps, frequency modulation (FM). And while some ute transmissions also make use of the AM mode, more use types of transmissions that might be unfamiliar to you.

Donald Duck Talk. Quite often, COM-MUNICATIONS WORLD readers write complaining that something seems to be wrong with their shortwave receivers. A typical plaint: "I tuned in a station but the speech is all garbled. I can't understand a word that is being said!" What these readers have heard, most likely, is a single sideband (SSB) transmission.

Single sideband is a special form of voice transmission. Without getting too technical, it is a transmission mode that brings to your receiver only half of the voice modulation, a single sideband.

Half a loaf is better than none. And half a signal is all you really need. The suppressed or missing half of the signal is merely a mirror image of the half you're receiving.

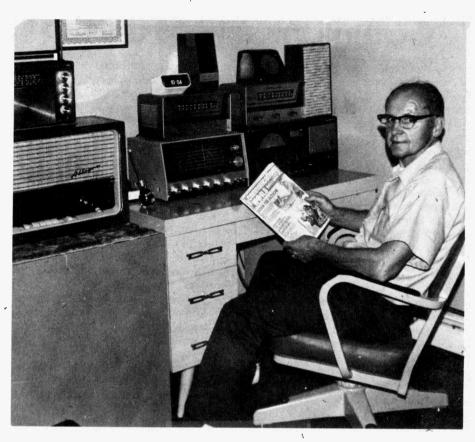
Here is one way of considering SSB. Here's half of a printed word:

COMMINICATION

Though half is missing, your mind restores the missing part your eyes don't actually see. Voila!

COMMUNICATION

Your mind works like a radio receiver that is specially designed to receive single sideband signals. The receiver designed for SSB reception restores the missing part and the speech no longer sounds like Donald Duck's.



A majority of amateur radio operators and a good many utility outlets use SSB for good reasons. A given amount of transmitter power will be about eight times more efficient than when used for normal AM transmission. And, since a signal uses only half the space in the radio spectrum of an AM signal, many more stations can operate in a given band with less interference.

Most receivers designed for amateur radio use today are equipped to tune single sideband signals easily, converting them into an easily "read" version. If you have an older communications type receiver, without SSB provisions, you may have an "out" just the same. If the receiver has a beat frequency oscillator (BFO) control, which on some much older sets is marked simply, "CW," switch it on. Tune the single sideband signal for maximum strength. Adjust the BFO control until the voice becomes intelligible. It is a bit tricky to do, but with practice you can often turn the garble of SSB into intelligible speech.

The Dit-Dah Bit. Though slowly disappearing from the radio scene, there is still quite a bit of Morse code to be heard. And a number of utility type stations use CW (continuous wave) Morse code transmissions.

Yes, it does take some time and effort to learn the di-dahs, but it is worth it. If you eventually want to get your ham ticket, a knowledge of code is still required for an amateur radio license.

THE INTERNATIONAL MORSE CODE o means zero, often written with the "slash" to distinguish it from the letter "0." Often transmitted instead as one long dash, equivalent in

length to five dots.

| Α • | S | ••• |
|-----------------------------|--------------|---|
| В | - T | |
| C | U | ** |
| D | ` V | *** |
| E . | W | • |
| F ••• | X | |
| G , | Y | |
| Н •••• | Z | |
| | - , 1 | • |
| · | 2 | ** |
| K | 3 | *** |
| L ••• | 4 | • |
| M | 5 | ***** |
| N \ | 6 | |
| 0 | 7 | |
| • | 8 | |
| Q R | , 9 | |
| · | 0 | |
| Period | | •-•-• |
| Comma | | |
| Question mark | | *** |
| Quotation mark | 1 | , |
| Colon | ' | |
| Semicolon | | |
| | | |
| Parenthesis | | |
| Wait Sign (AS) | | • |
| Double dash (Break) | | |
| Error (Erase sign) | | *********** |
| Fraction bar (slash) | | |
| End of message (AR) | 7 | |
| | 1 , | |
| End of transmission (SK) | al (000) | *** |
| International Distress Sign | at (202) | ··· |

But even if hamming is not your goal, you'll still find a knowledge of code useful for DXing the utility frequencies on shortwave.

COMMUNICATIONS WORLD

There are a number of ways to learn Morse code. There are how-to-learn-it booklets, self-teaching records, taped lessons and the like. The ARRL (American Radio Relay League), the ham's organization, operates station W1AW and daily at 7:30 Eastern local time, plus some other times on various days, runs code practice tests. These tests, to help listeners and hams-to-be to become proficient with Morse code, are sent at various speeds between five and 35 words per minute. W1AW's frequencies include 3,580, 7,080, 14,080, and 21,080 kHz.

You don't have to be a code whiz to identify some CW utilities. These stations sometimes send a code identification marker, a CW equivalent of the "voice mirror," repeated over and over at moderate speed. Often these markers consist of the Morse letter "V" (....), usually repeated three times, and followed by the word, "de" (_...), meaning "from," and then the station's call letters.

These are fairly easy to identify because of the moderate code speed used and the fact that the identifier is frequently repeated. If you miss it once, keep listening and you should make out all right.

One trick is to tape record the signal at fast speed on a two-speed recorder. Then play it back at half speed. It is no problem then to copy down the individual dit's and dah's. Then the translation is a snap!

Tunable Shortwave Utes. The shortwave utilities provide many different sorts of stations to tune for. Let's take a look at some of the DX available.

One of the more unusual utility services on shortwave is CIRM, the Centro Internazionale Radio Medico, headquartered in Rome.

CIRM was established some four decades ago to meet a very real need. There are thousands of ships operating on the high seas around the world. Relatively few have full-fledged doctors aboard to handle medical problems. Yet emergencies do happen.

CIRM has a 24-hour-a-day staff of physicians on call. The organization maintains a radio watch for calls from vessels seeking medical assistance and advice.

What does a ship captain do when a crewmember takes a tumble into an open hatchway and suffers what may or may not be a concussion? He contacts CIRM by radio for medical in-

The primary CIRM radio frequency

is 12,760 kHz, but additional frequencies used include 4,350, 6,365, 6,420, 12,748, 17,105, and 22,525 kHz.

Feeders. A category of utilities that, at first blush, might be confused for a broadcast operation, are the "feeders." The number of feeder stations has increased in recent years with the growing number of relay broadcasting stations established by major international broadcasters.

You may know, for instance, that the Voice of America, in addition to its powerful Stateside transmitters at Greenville, NC, and in Ohio and California, has relay transmitters at various locations overseas, such as in Greece, the Philippines, and Liberia. The British Broadcasting Corporation rebroadcasts programs from relay points such as Ascension Island, Malaysia, and soon, the Caribbean island of Antigua, Germany's Deutsche Welle rebroadcasts from relay operations in Rwanda and on the island of Malta, for example. Radio Peking is rebroadcast by an Albanian transmitter, Radio Nederland by stations in the Malagasy Republic and on the island of Bonaire in the West Indies. And the Soviet Union has transmitters located from Eastern Europe to the Pacific coast.

| NIERPOL | PREQUENCIE | -5 |
|-------------------|------------|-------|
| Location | kHz | Call |
| Algiers, Algeria | 4632.5 | 7RA20 |
| Helsinki, Finland | | OGX |
| Paris, France | | FSB53 |
| i allo, i lallo | | |

FSB62

| Stockholm, Sweden | | SHX |
|---|-------------|--|
| Wiesbaden, Germany West Wickham, England | | DHA33 GMP |
| Beirut, Lebanon Paris, France Tel Aviv. Israel | 6792 | ODW21 FSB54 4XP40 |
| *Utrecht, Netherlands | ten, ning p | · PDB2 |
| Brussels, Belgium Oslo, Norway Paris, France Rome, Italy Vienna, Austria Zurich, Switzerland | 7532 | UNA20 LJP27 FSB55 IUV81 OEQ HEF |
| Lisbon, Portugal Paris, France Rabat, Morocco | 9200 | CS166 FSB56 CN1 |
| Altamont, Canada Copenhagen, Denmark Madrid, Spain Paris, France Rio de Janeiro, Brazil Tunis, Tunisia | 10390 | XJE57 OWS4 EEG FSB57 PYZ2 3V/ |
| Ankara, Turkey Caracas, Venezuela Buenos Aires, Argentina Ottawa, Canada | 14817.5 | TCC2 YV23 AYA48 XJD48 |
| Bogota, Colombia ' Mexico City, Mexico Paris, France Teheran, Iran | 18380 | FSB6 |
| Manila, Philippines | 19360 | |

Paris, France

Perhaps you've wondered how these distant relay stations receive the programs they retransmit. They do it by picking up feeder broadcasts of the programs for the home station. Most of these transmissions, the links between the station's headquarters and the remote relaying stations, are sent via a form of SSB. So, if you should hear a somewhat garbled VOA transmission on a frequency outside the normal broadcast bands, chances are you've picked up a feeder transmission for an overseas relay point.

There are, of course, many feeder channels, but here are but a few you might watch for:

 Voice of America: 4,555, 4,565, 13,860, 18,157 kHz (Delano or Dixon, CA), 10,235, 12,210 kHz (Bethany, OH), 6,873, 7,651, 10,454, 15,752 kHz (Greenville, NC)

• British Broadcasting Corp.: 4,469, 6,840, 7,584, 7,750, 9,856, 11,067, 11,456, 15,849 kHz (Daventry, England)

• Radio Free Europe: 5,125, 5,945, 9,090, 10,190, 11,575, 14,712 kHz (Holzkirchen, West Germany)

• Radio Nederland: 7,745, 10,308, 13,729, 18,619 kHz (Kootwijk, Netherlands)

• Radio Portugal: 13,875 kHz

· Deutsche Welle (Voice of Germany): 5,195, kHz

 Radio Australia: 9,450, 12,190, 18,760 kHz (Lyndhurst, Australia)

• Radio Moscow: 5,255, 5,470, 6,807, 8,125, 9,210, 12,175, 13,960, 14,850, 15,550, 16,030, 16,190 kHz (Moscow, USSR)

• Radio Pyongyang: 3,560 kHz (Pyongyang, North Korea)

• Radio Peking: 6,550, 6,825, 8,490, 11,630, 15,480, 17,675 kHz (Peking, China)

An off-beat sidelight to the feeder relays of the Radio Peking programs was noted some years ago by DXers. They observed that sometimes these programs were "backwards." Apparently the Chinese technicians tape recorded the programs and played them back in reverse on their feeder, radio links. Listeners were puzzled. There were all sorts of theories suggested. Considering the enmity between the Soviets and the Chinese, and the fact that some broadcasts were being jammed by "the other side," some theorized that it was just an oriental trick. Perhaps, they suggested, Peking felt Moscow wouldn't bother to jam a program that no listeners could understand anyway.

The answer, though, seems far more "scrutible." The backwards Radio Peking programs, aired by the feeder stations, would be taped at the remote locations in China. But, being taped in reverse it meant that they would not have to be rewound before rebroadcasting. The engineers at the relay station simply flip the single-track tape over and let it roll.

Inspector Clouseau's Agency. IN-TERPOL is an international organization known to followers of TV melodramas and detective stories. It is a police assistance agency located at St. Cloud, a suburb of Paris. The primary purpose of INTERPOL is to keep track of international crime and criminals who hop from country to country to ply their nefarious trade. Data on these crooks and their crimes flows back and forth across international boundaries by means of a network of shortwave stations.

These outlets can be heard by utility DXers, though the messages themselves are coded in such a way as to be meaningless to the average listener. Some of these transmissions are sent in CW Morse code.

In addition to a dozen shortwave transmitters located at the St. Cloud headquarters there are national police stations around the world, at Algiers, Ankara, Athens, Beirut, Belgrade, Brussels, Buenos Aires, Cairo, Copenhagen, Cyprus, Helsinki, Kinasa (Zaire), Komaki (Japan), Lisbon, London, Luxembourg, Madrid, Nairobi, N'djamena (Chad), Nicosia, Oslo, Ottawa, Rabat (Morocco), Rome, Sofia, Stockholm, Tel Aviv, Utrecht (Netherlands), Vienna, Wiesbaden (West Germany), and Zurich.

There are several dozen frequencies used by the INTERPOL network, but the most active seem to be 3,593, 4,632, 6,792, 9,200, and 10,390 kHz.

The Military Utes. Among the most interesting groups of stations to be heard are those operated by the military services, not only of the United States, but also those of foreign countries. These military utes cut across all three basic utility categories, the fixed or point-to-point, aeronautical, and maritime stations.

The U.S. Army has hundreds of stations in the point-to-point category. Though the key Pentagon Army station and its links use the call letters WAR, most Army utilities identify with calls beginning with "A." Examples would be AAJ, Ft. Levenworth, Kansas, and ACE, San Juan, Puerto Rico. Normally the Army calls are given using the standard military phonetic alphabet. Thus, AAJ is announced as "alfa-alfa-juliet."

The Army tends to rely on SSB voice transmissions and most commonly

you will hear one of the "Alfa" stations running with a voice mirror marker.

The Navy relies on both CW and SSB for its communications. The Navy stations include shore-based operations, such as NPG, San Francisco; NSS, Washington, D.C.; and NPM, Hawaii. Navy vessels sometimes use the ship name as part of the voice identifier. And, of course, there are naval aviation transmissions as well.

The Coast Guard has its land and sea based stations as well. But don't take the "sea" business too literally. Every U.S. Coast Guard station along the Atlantic, Pacific, and Gulf of Mexico coastlines has its radio communications, as do the cutters operating on the high seas. But the Coast Guard is also active in the heartland of America, a thousand miles or more from the sea. There are facilities on the Great Lakes and the major river waterways across the nation.

Most Coast Guard communications are heard in the 2 mHz frequency range. The key frequency is 2,182 kHz, which is monitored by all stations on an around-the-clock basis, but other channels worth watching for Coast Guard communciations include 2,662, 2,670, 2,678, 2,686, 2,694, and 2,702 kHz.

Some Air Force ground stations identify with the name of the particular Air Force Base. Examples of this sort of identification are "Loring" (Loring AFB, Maine), "Lajes" (Lajes Air Base, Azores) and "Elmendorf" (Elmendorf AFB, Alaska).

Most commonly, however, the Air Force, together with the Navy, use coded or tactical calls. Some tactical calls are used for relatively short periods of time and are then changed. Others seem to have been used by military stations for years.

The list of tactical calls is as long as your arm and most DXers find it very tough to connect a certain call with a particular service or military base. But



MILITARY UTILITY SW FREQUENCIES
This is a selected list of frequency ranges and
frequencies where you may find utility stations
operated by the armed forces of the U.S. and
other countries. These stations transmit in single
sideband voice or CW Morse code.

| US AIR FORCE | 4,720-4,750 | 11,175-11,275 |
|-------------------|----------------------------|--------------------------------|
| | 6,710-6,760 8,975-9,025 | 13,200-13,250 15,010-15,040 |
| US NAVY | 5.600-5.700 | 11,250-11,275 |
| 05 1171 | 6,690-6,725 | 13,200-13,250 |
| | 8,760-9,000 | 17,775-18,025 |
| BRITISH NAVY | 4,301 | 6,393.5 |
| J | 6,362 | 8,534 |
| | | 10,270-10,470 |
| BRITISH AIR FORCE | -1 | 6,407.5 |
| | 5,695.5 | 9,033.5 |
| CANADIAN NAVY | 4,307 | . 10,100 |
| CANADIAN NAVI | 6,386.5 | 6,445 8.662 |
| | 0,000.0 | , 10,945 |
| CANADIAN AIR FOR | CE 4,703.5 | 11,209 |
| | 6,685 | 13,231 |
| NORWEGIAN NAVY | 4,562.5 | 5,809 |
| DUTCH NAVY | | 5,365 |
| AUSTRALIAN AIR FO | DRCE | 5,755 |
| SOUTH AFRICAN NA | VY 4,346.5 | 6,386.5 |
| RUSSIAN NAVY | | 6,608 |
| DANISH AIR FORCE | | 6,729.5 |
| FRENCH NAVY | 8,554 | 8,666 |
| | | 12,724 |
| NEW ZEALAND NAVY | f | 12,718.5 |
| CHILEAN NAVY | | 13,041 |
| ISRAELI NAVY | | 17,052 |
| | t | |

here is a partial list of some tactical calls used by Air Force, Navy, and a few Army operations.

(Bergstrom AFB, TX), "Condor" (land mobile units), "Raymond 6" (George AFB, CA), "Raymond 24" (Little Rock AFB, AR).

- Pacific Missile Firing Range Network: "Plead Control" (Pt. Mugu, CA), "Outrider Control" (Barking Sands, HI).
- Strategic Air Command: "Skyking" (general call for airborne aircraft), "Outway" (Offutt AFB, NE), "Retail" (Barksdale AFB, LA), "Democrat" (March AFB, CA).
- Other Air Force "tacticals: "Beaver Operations" (Ellsworth AFB, SD), "Letterman" (Hickam AFB, HI), "Hornpipe" (Cannon AFB, NM),
- Air Force Tactical Air Command: "Mainsail" (general call), "Fireside 1" (Langley AFB, VA), "Fireside 5"

You think 11 and a half is a young age to begin DXing. Then you don't know Joseph Muench of Colorado Springs. Joseph is a veteran listener even at his tender age. He was "bitten by the DX bug" two years ago! Joseph says his uncle, a ham radio operator, got him started and, he writes, "I haven't left my radio alone since." So far he has logged 90 different stations in 78 countries. Way to go, Joe!

© COMMUNICATIONS WORLD

"Glucose" (Seymour-Johnson AFB, NC), "Lactose" (Shaw AFB, NC), "Fertile" (Homestead AFB, FL), "Acrobat" (Andrews AFB, MD), "Ringmaster" (NORAD Hq, Cheyenne Mt., CO), "Gull Monitor" (Keesler AFB, MS), "Format" (McGuire AFB, NJ).

• Navy Atlantic Command: "Ivanhoe" (Norfolk, VA), "Hampshire" (Ft. Allen, Puerto Rico), "Sheriff" (Bermuda) "Phenomenon" (Jacksonville, FI)

• Navy Pacific Command: "Butter-field" (San Diego, CA), "Dunkirk" (Honolulu)

• Other Navy "tacticals": "Climax" (USS Enterprise), "Eagle Cliff" (USS John F. Kennedy), "Jitterbug" (Balboa, Canal Zone), "Artesia" (Keflavik, Iceland) "Orange Juice" (Guam), "Missionary" (Norfolk, VA), "Tophand" (Chief of Naval Operations), "TBone" (Adak, AK), "Sleepy Hollow" (Cutler, ME).

• Army "tacticals": "Agitator" (Ft. Bliss, TX), "Civil Genius" (Ft. Huachuca AZ), "Popeye" (Ft. Bragg, NC), "Avon Studio" (Ohio National Guard), "Contact Tippic" (Indiana National Guard), "Flame Ivory" (Pennsylvania National Guard).

Where will you find the U.S. military utility type stations? For starters try these frequencies for Navy communications: 5,600-5,700; 6,690-6,725; 8,760-9,000; 11,250-11,275; 13,200-13,250; 17,775-18,025 kHz. In addition to the frequencies between 2,600 and 2,700 kHz, check the following areas for U.S. Coast Guard stations: 5,690-5,700, 11,190-11,210 kHz.

Air Force stations can be found in these spots: 4,720-4,750; 6,710-6,760; 8,975-9,025; 11,175-11,275; 13,200-13,250; and 15,010-15,040 kHz.

To wrap up this collection of just some of the various utility transmissions that operate in the shortwave range, some random suggestions for ute listening.

From Russia With Love? Those Russian "fishing" trawlers that sometimes prowl off the west coast of North America, allegedly not always fishing for tuna, but sometimes for "intelligence" data, can be heard, on occasions, chattering away in Russian on, 3,340 kHz.

Give a listen on 4,721 kHz when the President is skipping around the country in Air Force 1. Air-to-ground communications with Andrews AFB, Md., can be heard on this frequency. The call identifier to listen for is "Crown," signifying the airborne White House.

Down on the low end of the 60 meter band shortwave broadcast range you may find some unidentified Spanish language single sideband signals causing interference to some of the broadcast

stations. If you hear them on about 4,790 kHz, they are part of a Cuban communications network.

Tote that barge, lift that bale—the single, sideband communications you pick up on 6,211 kHz are from stations carrying Mississippi River radio traffic.

The well-known tiremaker Firestone has its private communications network operating traffic between Harbel, Li-

VOLMET AERO TRANSMISSIONS

Around the world, pilots depend on the regular VOLMET broadcasts of aeronautical weather information. Most of the stations operate for five, occasionally longer, minutes twice during each hour. The times, below, indicate the minutes past each hour.

| nour. Ine times, ne | HOW, Illustrate the minutes past | cacii iloui. | | |
|--|---|---|---------------------------|-------------------|
| TIME | LOCATION . | FREQUENCIES (KHZ) | | |
| 00-25, 30-55 00-20, 30-50 00-05, 30-35 | Shannon, Ireland New York, NY Sydney, Australia | 2,889 5,533 1 3,001 5,652 3,432 6,680 | 8,833 8,868 10,017 | 13,312 13,272 |
| 00-05, 30-35 | Algiers, Algeria | 6,575 8,896 | 11,279 | 8,828.5 |
| 00-05, 30-35 | Johannesburg, S.Af. | 3,495 6,617 | 10,073 | |
| 00-05, 30-35 | Baghdad, Iraq | 3,001 5,561 | 8,819 | |
| 05-10, 35-40 05-15, 35-45 05-10, 35-40 | Oakland, CA Tel Aviv, Israel Calcutta, India - | 2,980 5,519 2,980 5,575 3,432 6,680 | 8,903 11,391 10,017 | 13,344 |
| 05-10, 35-40 | Kano, Nigeria | 6,575 8,896 | 11,279 | |
| 05-15, 35-45 | Nairobi, Kenya | 3,495 6,617 | 10,073 | |
| 05-10, 35-40 | Teheran, Iran | 3,001•5,561 | 8,828.5 | |
| 10-15, 40-45 | Tokyo, Japan | 2,980 5,519 | 8,903 | 13,344 |
| 10-15, 40-45 | Bangkok, Thailand | 3,432 6,680 | 10,017 | |
| 10-15, 40-45 | Las Palmas, Canary 1. | 6,575 8,896 | 11,279 | |
| 10-15, 40-45 15-20, 45-50 15-25, 45-55 | Bahrain Hong Kong Prague, Czechoslovakia | 3,001 5,561 2,980 5,519 2,980 5,575 | 8,819 8,903 11,391 | 8,828.5 13,344 |
| 15-20, 45-50 | Karachi, Pakistan | 3,432 6,680 | 10,017 | 1 |
| 15-25, 45-55 | Dakar, Senegal | 6,575 8,896 | 11,279 | |
| 15-25, 45-55 | Brazzaville, Congo | 3,495 6,617 | 10,073 | |
| 15-20, 45-50 | Beirut, Lebanon | 3,001 5,561 | 8,819 | 8,828.5 |
| 20-25, 50-55 | Honolulu, Hawaii | 2,980 5,519 | 8,903 - | 13,344 |
| 20-30, 50-60 | Gander, Canada | 3,001 5,652 | 8,868 | 13,272 |
| 20-25, 50-55 20-25, 50-55 25-30, 55-60 | Singapore Cairo, Egypt Anchorage, Alaska | 3,432 6,680 3,001 5,561 2,980 5,519 | 10,017 8,819 8,903 | 8,828.5 13,344 |
| 25-35, 55-05 | Paris, France | 2,980 5,575 | 11,391 | |
| 25-30, 55-60 | Bombay, India | 3,432 6,680 | 10,017 | |
| 25-30, 55-60 | Khartoum, Sudan | 6,575 8,896 | 11,279 | |
| 25-30, 55-60 | Tananarive, Malagasy | 3,495 6,617 | 10,073 | 8,828.5 |
| 25-30, 55-60 | Istanbul, Turkey | 3,001 5,561 | 8,891 | |

AERO FREQUENCIES (kHz) FOR MAJOR WORLD AIR ROUTE AREAS

| | North At | lantic | | S. Americ | a (east) | | North Pac | ific | Far East | |
|---|----------|---------|---|-----------|----------|-----|------------|----------------|------------|-------|
| | 2868 | 8854 | , | 2910 | 8847 | | 2910 . | 13264 | 2868 | 8868 |
| | 2931 | 8889 | | 3404.5 | 8872 | | 5589 | 17909 | 2987 | 13288 |
| | 2945 | 8910 | | 5566.5 | 11327 | | 8938 | | 5624 | 13312 |
| | 2987 | 13288 | | 5581.5 | 13320 | | Central E. | Pacific | 5645 | 17965 |
| | 5610 | 13328 | | 5582 | 17916.5 | | 3467 | 8930.5 | 8840 | |
| | 5624 | 13352 | | 8845.5 | | | 5551.5 | 8931 | | |
| | 5638 | 17966.5 | | | | 7.1 | 5554 | 11299.5 | Middle Ea | |
| | 5673 | | | S. Americ | | | 5603 | 13304.5 | 3404 | 8847 |
| | | | | 2889 | 8826 | | 6679.5 | 13334.5 | 3446 | 10009 |
| | South A | lantic | | 4696 | 11343 | | 8875 | 13336 | 5603 | 13336 |
| - | 2875 | 8882 | | 6666 | | | 8879.5 | | 6624 | |
| | 3432 | 10049 | | Europe | | 1 | Central W | Pacific | | |
| | 6597 | 13344 | | 2910 | 8875 | | 2896 | 8854 | Africa (ea | |
| | 6610 | 17946.5 | | 3467 | 8930.5 | | 4675 | 11303 | 2966 | 8959 |
| | | | | 4689 | 8931 | | 5505 | 13296 | 3481 | 10025 |
| | Caribbe | an | | 5554 | 8871 | | 6631 | 17909 | 5505 | 13280 |
| | 2875 | 6561 | 1 | 6568 | 11303 | | | | 6540 | 13336 |
| | 2952 | 6568 | / | 6582 | | | South Eas | | . 6561 | |
| | 2966 | 8840 | | | | | 2987 | 8882 | Africa (w | act) |
| | 5484 | 8959 | | South Pa | | | 5673 | 10049 13344 | 3411 | 8826 |
| | 5568 | 10017 | | 2945 | 8847 | | 8837 | | 5519 | 13304 |
| | 6540 | 11343 | | 5638 | 13304 | | 8868 | 17946.5 | 2213 | 13304 |
| | | | | | | | , | | | |

beria, in West Africa, and its headquarters in Akron, OH. A frequency used for this operation is 7,580 kHz.

The Soviet national airline, Aeroflot maintains a regular service between Moscow and Havana, Cuba. Unlike most other world airlines, the Russians still use CW Morse code communications: The frequency to check is 11,312 kHz.

Radio beacons are used to guide aircraft along regular flight paths. These aero beacons continuously identify with their three-letter calls in Morse code. One of the easier aero beacons to hear is "RAB," Rabinal, Guatemala on 1613 kHz, just above the regular AM radio band. In fact, this can even be heard on regular medium wave AM radios if they tune just a little bit above the 1600 kHz spot.

VOLMET stations regularly broadcast weather information and flight conditions to pilots from a number of worldwide staitons. VOLMET broadcasts from Oakland, CA; Tokyo; Hong Kong; Honolulu; and Anchorage can

COASTAL RADIO STATIONS ON SHORTWAVE

This is a selected list of coastal stations, those that operate from land in the maritime service. Most of these stations use Morse code.

| CALL | FREQUENCY (kHz) |
|------|--|
| CUG | 6,393.5 |
| CUB | 6,393.5 |
| | 8,461 |
| CLQ | 6,435 |
| ĆUL | 8,490 |
| DAL | 6,456.5 |
| | 8,511.9 |
| DZN | 8,584 |
| DZR | 8,568 |
| EAD | 8,682 |
| | 8,619 |
| FFP | 12,831 |
| GKI | 12,858 |
| HKB | 8,666 |
| HIA | 8,642 |
| IAR | 8,670 |
| 108 | 8,706 |
| KFS | 12,695 |
| | 12,844 |
| LGJ | . 12,727.5 |
| OST | 8,652 |
| OSA | 8,646 |
| OXZ | 8,598 |
| PZN | . 8,662 |
| | 8,690 |
| | 6,376 |
| | . 8,570 |
| ZLB | 6,393 |
| | CUG CUB CLQ CUL DAL DZN DZR EAD FFP GKI HKB HIA IAR JOS KFS UGJ OSA OXZ |

be picked up by listeners on 5,519 kHz. Weather from New York Radio is transmitted on the hour and half hour on 5,652 kHz. Similar transmissions from Gander, Newfoundland (20 and 50 minutes past the hour) and Shannon, Ireland (on the hour and half hour) are heard on 13,272 kHz.

Data Bank One problem faced by the beginning utility DXer is the difficulty in finding information about the There's a lot of gear here, packed into a compact monitoring setup. This all belongs to Al Kaiser of Meriden, Connecticut. In addition to listening to shortwave on a Hallicrafters SX24, Al is active on the CB band as KBC6286.

stations heard.

But there are various reference publications available that will help. Some, unfortunately, are so incredibly expensive that they are out of the price range of virtually all hobbyists.

The International Frequency List, published periodically by the International Telecommunications Union (ITU) in Switzerland, comes in four massive volumes and lists frequencies registered by member nations. All types of radio services except ship, amateur, and experimental stations are listed. The price of the set? Hold your breath! In excess of \$1,000!

But the ITU has some more reasonably priced volumes. They include Fixed Stations of the World (point-topoint commercial and military stations operating international circuits), Coastal Stations of the World (listing the world's coastal marine stations), List of Ship Stations (non-military ships), and List of Radio Determination and Special Service Stations (beacons, time and frequency standard, weather, and navigational aid stations).

ITU publications can be ordered directly from the ITU, Place des Nations, 1211 Geneva 20, Switzerland. A catalogue listing is available. Some are also



sold at the United Nations Bookstore in the UN building in New York City, and by Gilfer Associates Inc., P.O. Box 239, Park Ridge, NJ 07656.

The U.S. Government Printing Office (Washington, DC 20402) has a listing

PHONETIC ALPHABET

To prevent confusion with letters which sound similar, especially under difficult reception conditions—such as A, J, K or B, P and V—the military has adopted an alphabetical word system. In use, for example, an Army communications station such as AAE60 would usually announce as "Alfa-Alfa-Echo-Six-Zero." Here is the standardized military phonetic alphabet:

| A = Alfa | N = November |
|-------------|--------------|
| B = Bravo | 0 = 0scar |
| C = Charlie | P = Papa |
| D = Delta | Q = Quebec |
| E = Echo | R = Romeo |
| F = Foxtrot | S = Sierra |
| G = Golf' | T = Tango |
| H = Hotel | U = Uniform |
| l = India | V = Victor |
| J = Juliet | W = Whiskey |
| K = Kilo | X = X-ray |
| L == Lima | Y = Yankee |
| M = Mike | z = Zulu |

| | | <u> </u> | |
|--|------------------------------------|---|---|
| | MAJOR FOR | EIGN AIRLINES | |
| Airline | Nationality | Airline | Nationality |
| Aeroflot | U.S.S.R. | KLM (Royal Dutch) Sitlines | Holland |
| Aerolineas Argentinas | Argentina | Linea Aerea Nacional (LAN) | Chile |
| Air Afrique | Ivory Coast | Lloyd Aereo Boliviano (LAB) | Bolivia |
| Air Canada | Canada | Lloyd Aereo Paraguayo | Paraguay |
| Air France | France | Loftleidir (Icelandic Airlines) | Iceland |
| Air India | India | LOT (Polish State Air Lines) | Poland |
| Alitalia | Italy | Lufthansa | W. Germany |
| Allegheny | U.S.A. | Mexicana | Mexico |
| Ansett | Australia | Olympic Airways | Greece |
| Austrian Airlines | Austria | Philippine Air Lines | Philippines |
| Avianca | Colombia | Quantas Empire Airways | Australia |
| Br. European Airways (BEA) | England | Royal Air Cambodge | Cambodia |
| Br. Overseas Airways (BOAC) | England | Royal Air Lao | Laos |
| Br. West Indian Airways | Trinidad | Royal Air Maroc | Morocco |
| Canadian Pacific Airlines | Canada | Sabena | Belgium |
| Civil Air Transport (CAT) Cruzeiro Ceskoslovenske Aeroline | Taiwan Brazil Czechoslovakia | Scandinavian Airlines Swissair | Denmark, Norway, Sweden Switzerland |
| Cubana | Cuba | Syrian Arab Airlines TAN Airlines TAP (Transportes Aereos | Syria |
| El Al | Israel | | Honduras |
| Ethiopian Air Lines | Ethiopia | | Portugal |
| Finnair Garuda Iberia | Finland Indonesia Spain | Portugueses TEAL (Air New Zealand) Thai Airways | New Zealand Thailand |
| Irish International | Ireland | Varig | Brazil |
| Japan Air Lines (JAL) | Japan | VIASA | Venezuela |
| • | - | Yemen Airlines | Yemen |



COMMUNICATIONS WORLD



of various special publications useful to the ute DXer. Here are some that may prove helpful:

Light List, (Coast Guard and beacon stations), Weather Service for Merchant Shipping (maritime weather) broadcasts), Location Identifiers (aerobeacons of the world), Airman's Information Manual (U.S. aerobeacons).

Those listeners with an interest in Canadian utes might wish to obtain Radio Aids to Air Navigation and Radio Aids to Marine Navigation, available from the Receiver General of Canada, Publishing Division, Information Canada, Ottawa, Canada.

The British Navy has a 'series of

TIME AND FREQUENCY STATIONS

This is a selected list of some of the standard time and frequency stations operating in the world. A number of them use common frequencies such as 2.5, 5, 10, 15, 20 MHz, hence only unusual conditions will allow them to be heard through the U.S. stations, WWV, Ft. Collins, CO and WWVH in Hawaii. Others use different frequencies. Only a few operate 24-hours a day, as do WWV, WWVH and the Canadian station, CHU.

| and the banadian station, | CALL | FREQUENCY |
|--|---------|-----------|
| LOCATION | LETTERS | (KHz) |
| | FFĤ | 2,500 |
| Chavannes, France | OMA | . 2,300 |
| Lidice, Czechoslovakia | WWV 1 | |
| Ft. Collins, CO | WWVH | |
| Kauai, Hawaii | MSF | |
| Rugby, Gt. Britain | DAN | 2,614 |
| Osterloog, W. German | / DAO | 2,775 |
| Kiel, W. Germany | OLB5 | 3,170 |
| Podebrady, Czechoslovakia Dixon, CA | NPG | 3,268 |
| | CHU | 3,330 |
| Ottawa, Canada Nauen, E. Germany | DIZ | 4,525 |
| Torino, Italy | IBF | 5,000 |
| Koganei, Japan | YLL | 0,000 |
| Moscow, USSR | RAT | |
| Tashkent, USSR | RCH | |
| Olifantsfontein, S. Africa | ZUO | |
| Ft. Collins, CO | WWV | |
| Kauai, Hawaii | WWVH | |
| Caracas, Venezuela | YVTO | 6,100 |
| Lyndhurst, Australia | VNG | 7,500 |
| Guam, Marianas | NPM | 8,150 |
| Elmshorn, W. Germany | DAM | 8,638 |
| Shanghai, China | BVP | 9,368 |
| Koganei, Japan | JJY | 10,000 |
| Buenos Aires, Argentina | LOL | |
| Olifantsfontein, S. Africa | ZUO | |
| Irkutsk, USSR | RID | 10,004 |
| Pontoise, France | FTK77 | 10,775 |
| Balboa, Canal Zone | NBA | 11,080 |
| Lyndhurst, Australia | VNG | 12,000 |
| Annapolis, MD | NSS | 12,135 |
| Shanghai, China | XSG | 12,875 |
| Rio de Janeiro, Brazil | PPR | 13,105 |
| Ottawa, Canada | CHU | 14,670 |
| Novosibirsk, USSR | RTA | 14,996 |
| Buenos Aires, Argentina | LOL | 15,000 |
| Ft. Collins, CO | WWV | |
| Kauai, Hawaii | WWVH | |
| Koganei, Japan | JJY | |
| Rio de Janeiro, Brazil | PPR | |
| Ft. Collins, CO | WWV | |
| Kauai, Hawaii | WWVH | |
| /Lualualei, Hawaii | , NPM | 22,593 |

books, collectively titled the Admiralty List of Radio Signals, covering various aspects of marine communications and navigation services. These are available through some nautical supply houses in major cities along the eastern and western coasts of North Ameri-

All these works are of value to the utility DXer. But they each cover a rather limited field of utility type ra-'dio. Since they cost, variously, between several dollars and twenty bucks or so, building a library of such references can be costly.

In time, perhaps your ute DXing interest will zoom in on a specific class of station, such as aeronautical beacons, merchant shipping or the like. Then you may wish to invest in some of the specialized reference books.

Easy-On-The-Wallet Books. For the newcomer to utility DXing, or the guy whose interest in these non-broadcasting stations is a casual, sometimes thing, there are two inexpensive listings that can be recommended. Each provides a good cross section of various types of utility stations you can hear.

One is the Confidential Frequency List authored by Robert B. Grove. The title is a bit of a misnomer since there is nothing ultra secret about the stations listed. But it is 80 pages jampacked with frequencies, call letters, and locations of all sorts of ute stations. The price is \$5.45 and it can be ordered from Gilfer Associates Inc. at the address listed a few paragraphs above.

The second recommended volume is the World Utility Handbook, compiled by Steven J. Handler. It contains less frequency information but includes such data as station addresses, verification policies, and aids in identifying stations. It costs \$4.95 from Handler Enterprises, P.O. Box 253, Deerfield, IL 60015.

Low Down On High Bands. One type of listening that has enjoyed tremendous growth in recent years is monitoring the VHF and UHF public service bands. Maybe you never thought of it this way, but this action band listening is just another aspect of utility DXing.

One reason for the surge of interest in listening to the various radio services on the very and ultra high frequencies is the availability of excellent receiving equipment, a factor not really the case some years ago. Today it is possible to walk into a store-a department store, a pharmacy, a discount center, as well as any radio shop-and pick up a compact, low-cost, transistorized receiver that will tune the action bands. This availability of equipment is what starts many a public service band monitor off.

For the serious monitor and the fellow who has more to spend there is a tremendous range of more sophisticated listening gear. On the low end of the price scale are the small, solidstate multi-band portable receivers. You can get started in your monitoring with nothing more complex than a portable rig that costs \$49.95, \$39.95, \$29.95, or, yes, even less. These sets are complete, having their own builtin whip antennas. And they can be perfectly adequate for tuning local police calls and similar hometown VHF services.

Better quality gear is readily available for more money, of course. Invest several hundred dollars in a monitoring receiver and there is seemingly no end to the refinements and niceties you can get.

There are some tunable receivers on the market. These sets will allow you to tune across entire bands of frequencies at will. These tend to be simpler and cheaper and are very useful if you want to keep tabs on an entire band.

But if you are more interested in monitoring a relatively few channels that are really active in your area, then perhaps a crystal-controlled frequency receiver is the ticket. Most VHF/UHF receivers made these days are crystalcontrolled types.

With a crystal-controlled receiver, you decide in advance which particular frequencies are of most interest to you-those on which most of the action in your area is concentrated. You buy crystals for those channels. These plug into your set and give you a choice of 'a number of pretuned channels to tune. There's no hunting around the-dial for specific frequencies. You simply switch in the desired frequency and there you

Most crystal-controlled frequency receivers now have scanning circuitry that automatically sweeps from one channel to the next until the receiver detects a signal. The circuit locks in on the communication, holding that channel in tune until the message is completed. Then the scanner continues its sweeping of your choice of channels until it next "finds" a signal.

The scanner has become very popular because it is a compromise of the best features of a tunable and a crystal-controlled set. Finding the exact frequencies of the active stations in your area is easy, yet you have the flexibility of automatic scanning of a series of different frequencies. Scanner receivers that allow you to choose up to about 16 different channels to monitor are available.

Until recently, it was necessary to purchase a number of quartz crystals, each ground specifically for a certain frequency, one for each channel you wished to monitor. That tended to get expensive—it could cost up to about five dollars per crystal.

Now,/however, some manufacturers are offering scanner type receivers that do not use crystals. Such sets are capable of receiving all possible public service frequencies in the VHF and UHF ranges, some 6,000 of them, without using crystals. The oscillator circuit of these receivers are not controlled by the quartz "rocks," but by frequency synthesizer. The synthesizer has a series of frequency dividers, spectrum generators, mixers, and other circuitry which provides accurate, long-term frequency stability. These are, in effect, receivers which can be programmed to receive your choice of frequencies without an investment in crystals. The initial cost of such a set can be higher, but the long range savings could be significant.

There are three active public service bands, two in the very high frequency area (30 to 300 MHz) and one in the ultra high frequency range (above 300 MHz).

The VHF low band covers frequencies from about 30 to 50 MHz. The VHF high band includes those channels between about 150 and 174 MHz. The frequencies between 450 and 470 MHz comprise the UHF public service band.

The simplest receivers usually only give you the option of tuning one of the action bands, generally the VHF 150-174 MHz band, the most active of the trio. With more expensive sets you'll get two or three band coverage options.

What's To Hear? Why tune the action bands? Because it is interesting, because it is fun! You never really know what you'll hear next.

What gets most people hooked on this sort of DXing, at least at the beginning, are the police calls. There was a time some years back when the frequencies at the very low end of the shortwave range, say around 1,700 to 2,000 kHz, belonged to the police departments across the nation. Today, only a handful of police transmissions use these frequencies.

Most police agencies in the United States—some 20,000 of them—now use the two VHF bands, most of them

' ACTION BAND MONITORING

Communications monitors will find plenty of listening in the VHF and UHF bands. Here is a ready reference chart showing the general areas of these bands where you'll find the public service stations. This is not intended as a full list of frequencies used.

| | Approxima | te Frequen | cies in MHz |
|---|-------------------|----------------------------|-----------------------|
| Type of Service | VHF Low | VHF High (148-174) | UHF |
| Police, sheriff | 37 | 154, 159 | 453, 458, 460, 465 |
| Fire Departments | 33, 46 | | 458, 465 |
| Business Radio | 31 | * | * |
| Cabs Weather Ship-to-Shore | * * | 152 162 156, 161 | 452 * |
| Highway trucking Radio Paging Railroads | 45 35, 43 * | 160 154, 157 160 | * * * |
| Local Government State Police Highway Patrols | 45 42 42 | 154 155 155 | * * * |
| Private security Businesses, industr Highway repair | * y 31 37 | 159 154 * | 460 452 * |
| Utility companies Forestry TV, Radio newsmen | 46 49 * | * * 161, 170, 172 | 456, 465 * |
| Mobile telephone Emergency Civil Air Patrol | * 47 * | 152 156 148 | 454 * |
| Canadian law en- forcement | 49 | 155 | * |

operating on frequencies between 37.02 and 46.42 MHz (low band) and between 151.45 and 159.21 MHz (high band).

How can so many stations operate in such a relatively small section of the radio spectrum? The answer can be found in the nature of VHF and UHF communications. It is possible to shoehorn in this many stations on a shared frequency basis because the signals are designed for relatively short range reception.

You can forget about picking up police calls from Turkey, Tibet, or Timbuctoo. Generally speaking most signals you hear will be from stations in your own city or town, and some from neighboring communities. With an exterior ground plane antenna, perhaps mounted on a tower, you may get regular reception from stations 50 miles away or so.

Reception on a day-to-day basis will be relatively short haul. Your range will depend on the terrain, the number of stations operating in your vicinity, your

This Canadian listener is George Kraus of Ruskin, British Columbia. He uses a Lloyds Pathfinder portable receiver and listens to the medium wave band. With this receiver he has heard stations over 2,000 miles away. George has been a listener for about a year.

antenna and receiver. On the VHF/UHF frequencies, normal reception is roughly limited to the line-of-sight from the top of your receiving antenna to the top of the transmitting antenna. The range of the higher hertz signals is greater over flat terrain than over hilly or mountainous country. High ground—and in cities, tall buildings—inhibit reception if they are located between your receiving setup and the station.

So, in public service band monitoring, distance isn't usually a real factor of importance. It is more a matter of what you hear than how far away it is.

Ingredients of Long Range Reception. However, under certain conditions, relatively long range reception is possible. Yes, there are times when you will be able to hear action band stations located several hundred to perhaps 1,500 miles away.

Radio signals, like light waves, travel in straight lines. You can't make a flashlight's beam bend around a corner. And normally a radio signal doesn't bend either. A radio beam, as it leaves the antenna at the transmitting station travels, outward in a straight line. And at the horizon, the radio signal continues its beeline toward outer space.

If this was all there was to it, all radio communication would be limited to a line-of-sight range. But there are several gaseous layers circling the earth in the ionosphere. Scientists have dubbed these layers the D, E, and F layers.

The E and F layers act as electronic mirrors. You CAN make a flashlight beam bend a corner if you place a mirror at the right angle. The light will bounce off the mirrored surface and turn the corner. And radio signals can bounce off the ionsopheric layers back to earth some considerable distance beyond the ground wave range. This "skip" phenomenon is what makes it possible to receive really long distance shortwave, and even medium wave, signals.

Usually, on the higher frequencies, up in the VHF and UHF portion of the spectrum, the wavelengths are so short that they pass through the E and F layers without "reflecting" back. This



© COMMUNICATIONS WORLD ®

explains why most VHF/UHF reception is limited to short distances. But on occasion, the E layer becomes electrically dense enough to act as a UHF/UHF radio mirror. Then these signals also "skip" back to earth long distances away. This is known as sporadic E reception.

Sporadic E conditions are not predictable, hence the "sporadic" terminology. They do tend to be more common in summer than winter, though there is a minor "E skip" period of activity around Christmas and early January. Because the degree to which the E layer reflects VHF signals can vary from minute, to minute, it is an unstable sort of propagation phenomenon, such signals can be characterized by extreme fading. One moment you may have strong signals, the next moment they are gone, only to return a short time later at solid strength.

More Bent Signals. Another somewhat unusual natural condition that can bring distant UHF/VHF signals to your set is called tropospheric bending. This propagational condition does not involve the ionospheric layers, but is

caused by weather conditions.

Often it occurs when a warm weather front overrides a patch of cooler air, causing a temperature inversion. This creates a sort of signal duct or tube that bends the radio signals back toward earth a considerable distance from the transmission point. This sort of thing can happen any time of the year, but is most common in spring and fall.

Signals brought by tropospheric bending tend to be steadier than E skip signals, less subject to severe and deep fading. But the distances involved will usually be shorter, usually in about the 200 to 700 mile range or so.

So, while the bulk of your listening will be to stations relatively nearby, do watch for those conditions that at times can bring long haul action band reception.

The police departments and sheriff's offices across the nation aren't the only ones to use the public service bands, though perhaps initially they will attract much of your interest.

The VHF and UHF channels are also home to the firefighters, state police and highway patrols. There are any

number of federal agencies that use these frequencies as well, including the Federal Bureau of Investigation, the Treasury Department, including the Secret Service, the Narcotics Bureau, the U.S. Forest Service, and Customs, agents, to name a few.

The National Weather Bureau maintains stations in over 60 cities across the land. These stations operate 24 hours a day with regularly updated weather information and forecasts. About two thirds of these weather stations, located from Maine to Alaska and Florida to Hawaii, use 162.55 MHz. The rest operate on 162.40 MHz.

Paging John Doe . . . There are radio paging stations, private operations for the most part, that either relay messages to clients through small portable receivers, or by the same means, "beep" alert them to the fact that a message is waiting for them. These are, in fact, a type of answering service for people on the go, using public service band radio frequencies. Most radio paging traffic can be heard on frequencies near 35 and 43 MHz, low band, and 152 and 158 MHz, high band.

You may hear communications between utility companies and their work crews around 46 and 456 MHz. Taxi cabs are dispatched by radio calls on frequencies in the vicinity of 152 and 452 MHz. Many other services, public and private also use the very and ultra high frequency channels.

Here is a brief sampling of some of the more unusual sorts of things to be

• National Ski Patrol, the organization active in those regions of the country where the skibunnies and schussboomers go slipping down the slopes, and now and again break a bone or two, operate on a series of VHF high band frequencies, including 155.175, 155.235, 155.280, and 155.295 MHz

• Border Patrol is responsible for maintaining the integrity of our national frontiers. The federal agency is most active in the southwestern part of the country. If you live near the border, you might find its communications on 163.625 kHz.

• Forest fires cause millions of dollars worth of damage to the country's tree crops and preserves. The crews that fight these blazes, naturally, need good communications. Frequencies to watch are 170.425, 170.475, 170.575, 171.475, and 171.575 MHz.

National Park Service also uses
 VHF communications. Smokey the
 Bear's ranger pals use, among other
 frequencies, 172.775 MHz.

• M.I.C.... See You Real Soon...
And finally, for any honorary Mouse-

VHF AND UHF FREQUENCIES USED BY POLICE DEPARTMENTS This is a selected list of frequencies assigned to police departments in major U.S. cities.

| CITY | FREQUENCY / | CITY | FREQUENCY |
|-----------------|--|--------------------|---|
| Akron, OH | VHF-High: 155.97, 156.15, 156.21 | Minneapolis, MN | VHF-High: 154.74, 154.90, 156.03 |
| | UHF: 460.050, 460.375 | New Orleans, LA | VHF-High: 158.91 |
| Atlanta, GA | VHF-High: 155.85, 156.21 UHF: 460.025, 460.075, | | UHF: 460.25, 460.100, 460.200, 460.225, 460.475 |
| | 460.150, 460.425 | New York, NY | UHF: 470.6375, 470.6625, 470.6875, 470.7125, |
| Baltimore, MD | VHF-High: 155.79 UHF: 495.1875 | , | 470.7375, 470.8125, |
| Cleveland, OH · | UHF: 460.125, 460.225, 460.275, 460.400, | | 470,8625, 470.8875, 470.9375, 470.9875 |
| | 460.450 | Omaha, NB | UHF: 460.100, 460.225, 460.375 |
| Columbus, OH | VHF-High: 154.65, 154.71, 155:25, 155.55, 155.58 | Philadelphia, PA | VHF-High: 155.07, 155.625 |
| UHF: 460.075 | UHF: 460.075, 460.125, 460.200, 460.275, | , 460.125, | UHF: 460.150, 460.250, 460.350, 460.375 |
| | 460.350, 460.400 | Pittsburgh, PA | VHF-High: 158.97 |
| Dallas, TX | VHF-High: 155.19, 155.26 | | UHF: 458.10, 458.40 |
| | UHF: 460.025, 460.075, 460.175 | Portland, OR | VHF-High: 154.65, 155.97, 156.15, 158.91, 159.21 |
| Denver, CO | VHF-High: 156.03 UHF: 460.425 | St. Louis, MO | UHF: 460.500 VHF-High: 155.61, 159.03 |
| Detroit, MI | VHF-High: 155.85 | 31. Louis, ino | UHF: 453.40 |
| , | UHF: 460.275 VHF-High: 154.86, 155.13, | Salt Lake City, UT | VHF-High: 154.83, 154.875, 155.01, 155.13 |
| Houston, TX | 155.55 | San Francisco, CA | |
| ١. | UHF: 460.025, 460.050, 460.350 | Odii Transisso, ii | 45.46, 45.58 UHF: 460.125, 460.350, |
| Kansas City, MO | VHF-High: 154.71, 155.64, | 4 1 | 460.075 |
| | 155:85, 156.09 UHF: 453.10 | Seattle, WA | VHF-High: 155.25, 155.64, 155.97 |
| Las Vegas, NV | VHF-High: 155.55, 155.73 | Washington, DC | UHF: 460.100, 460.250, 460.475 |
| Little Rock, AR | VHF-High: 155.61 | \ | |

VHF-High: 154.83, 159.03

UHF: 453.100, 506.5875,

506.8125

Los Angeles, CA

keteers out there in Radioland, especially if you live in Florida, the UHF frequency to watch is 467.625 MHz. That's the channel used at Disney World!

For more information on the various VHF and UHF stations and their frequencies, the previously mentioned Confidential Frequency List contains a number of other interesting entries.

Communications Research Bureau, P.O. Box 56, Commack NY 11725, has a number of localized and regionalized lists of VHF/UHF stations and their frequencies. A catalogue and price list is available for a stamped, self-addressed envelope.

Similar lists of public service band stations for various areas of the country may be obtained from Handler Enterprises, P.O. Box 253, Deerfield, IL 60015. Again, a note, indicating what your interest is and the area in which

Adrian Clift, Atlanta, GA, began SWLing in the early 1960's, left the hobby for a while and rediscovered it last year. To get started again he spent all of \$15 in this old console receiver. By adding a 25-foot outdoor antenna, he has heard 30 countries thus far.

you live and monitor, along with a self-addressed envelope with 13 cent stamp affixed, will bring you details of the lists available.

Yet another source of frequencies and call letters for police, fire, ambulance, paramedic, rescue squad, and governmental stations is the *Police Call* series. There are nine volumes, each covering a several state area. They run \$4.95 each, plus shipping costs, and may be ordered from Police Call, Lebanon, NJ 08833.

On to the Broadcasters. From the utilities, shortwave, and VHF/UHF

high banders, we swing over to another category of stations, the shortwave broadcasters which were mentioned briefly at the outset.

And when you mention shortwave, the broadcast stations are the ones most folks think of But, as we've seen, the shortwave broadcast. (SWBC) stations are really only part of the picture; and a very popular part too. The SWBC outlets, of course, are the stations which feature regular programming for a general audience, news, commentary, features, entertainment, music, and the like.

DXing the utes is a bit haphazard; one never really is sure what one will hear, when, and on what frequency. In this sense, SWBC DXing is a bit less "iffy." SWLs normally have better information on schedules and frequencies used. The stations, because they're seeking an audience, readily make that sort of data available.

But-whoa-don't get the notion that DXing the SWBCers is just a matter of tuning a frequency and, presto, the station you want is there. Oh yes, this often is the case with some of the very powerful international broadcasters, such as the Voice of America, Radio Canada International, the British Broadcasting Corporation, Gérmany's Deutsche Welle, Radio Moscow and similar operations. They can be heard regularly as clockwork, day in and day out. But there are many more stations that are only sometimes things-some are only heard on rare occasions and still others have never been logged by Stateside DXers. There are always surprises when you tune the SWBC bands.

The bands? Righto! Most SWBC stations can be found operating within a dozen relatively small spots in the shortwave frequency spectrum. And this does

| VHF AND | UHF FREQ | UENCIES | USED BY | FIREFIGH | ITERS | |
|---|----------|----------|----------------|----------|--------|--|
| This is a selected list of frequencies - assigned to fire departments in major U.S. cities. | | | | | | |
| CITY | VHF UHF | | | | | |
| an Francisco, C | CA . | 154.28 1 | 54.43 | | | |
| eattle WA | | 15/110 1 | EA 2E | 4E2 70 | 452.00 | |

| CITY | VHF | | - U | JHF | • |
|--------------------|---------|---------|----------|----------|---|
| San Francisco, CA | 154.28 | 154.43 | | | |
| Seattle, WA | 154.19 | 154.25 | 453.70 | 453.80 | |
| ., | 154.34 | | | 100100 | |
| Portland, OR | 154.25 | 154.28 | 460.525 | 460,550 | |
| \ | | | 460.575 | | |
| Columbus, OH | 153.77 | 154.31 | | | |
| Salt Lake City, UT | 154.31 | 154.34 | | | |
| - | 154.43 | | | | |
| Atlanta, GA | 153.89 | 154.19 | 460.600 | 460.625 | |
| Denver, CO | 153.77 | 154.31 | | | |
| Chicago, IL | 153.83 | 153.95 | | | |
| | 154.01 | 154.13 | | | |
| Las Vegas, NV | 154.37 | | 453.15 | | |
| Cheyenne, WY | 154.355 | | | | |
| Omaha, NB | 154.01 | 154.19 | | | |
| Houston, TX | 153.89 | 154.16 | | | |
| • | 154.28 | | , | | |
| Little Rock, AR | 153.95 | | | | |
| Kansas City, MO | 154,01 | 154.13 | 458.10 | 462.95 | |
| | 154.28 | 1 | | | |
| New Orleans, LA | 154.235 | 154.37 | 453.15 | 460.575 | |
| | | | 460.600 | | |
| Dallas, TX | 153.89 | 154.07 | | | |
| | 154.22 | | | | |
| Pittsburgh, PA | 154.13 | 154.445 | | | |
| New York, NY | 153.77 | 153.89 | 460.525 | 460.575 | |
| | 153,95 | 154.01 | 460.625 | 460.675 | |
| | 154.07 | 154.19 | • | | |
| Los Angeles, CA | 33.48 | 33.53 | 506.3125 | 506.6375 | |
| | | | 507.0125 | | |
| Cleveland, OH | 153.89 | 153.93 | | , | |
| | 153.95 | | | | |
| Washington, DC | 154.19 | 154.205 | | | |
| | 154.235 | | | | |
| Baltimore, MD | 154.07 | 154.31 | | | |
| Philadelphia, PA | 153.89 | 153.95 | | | |
| | 154.01 | | | | |
| | 154.145 | 154.23 | | | |

| | | THE SINPO CODE | | . , |
|--|--|---|---|---|
| SIGNAL STENGTH 5-Excellent 4-Good 3-Fair 2-Poor 1-Barely audible | INTERFERENCE (ATMOSPHERIC) 5—None 4—Slight 3—Moderate 2—Severe 1—Extreme | NOISE 5—None 4—Slight 3—Moderate 2—Severe 1—Extreme | PROPAGATION (DISTURBANCE) 5—None 4—Slight 3—Moderate 2—Severe 1—Extreme | OVERALL MERIT 5—Excellent 4—Good 3—Fair 2—Poor 1—Unusable |

© COMMUNICATIONS WORLD

cause some problems. With thousands of outlets competing to be heard, most of them jampacked into a handful of rather tight bands, the interference (QRM) can get mighty rough.

So, friends, I'd like to introduce you to the 12 shortwave broadcast bands and what you can expect from them in the coming months.

11 Meter Band. This is the highest frequency band devoted to SWBC use and covers the frequencies from 25,600 to 26,100 kHz. During periods of low sunspot 'count-energy from the solar eruptions has a significant effect on radio reception-little reception is likely on the higher shortwave frequencies. And we are nearing the minimum of the present sunspot cycle. So for the next few years, don't expect to find much on 11 meters.

13 Meter Band. This high band spans the frequenices from 21,450 to 21,750 kHz. In many respects it is like 11 meters above it. Some international broadcasters continue to use this SWBC band despite the low sunspot count. It is a daylight band; don't expect to find

| SWBC | BANDS AND FREQUENCIES |
|---|---|
| Band 120 meter 90 meter 75 meter 60 meter 49 meter 41 meter 31 meter 25 meter | kHz 2300-2500 3200-3400 3900-4000 4750-5060 5950-6200 7100-7300 9500-9775 11700-11975 15100-15450 17700-17900 |
| 11 meter | 25600-26100 |

anything operating here during your local hours of darkness. You'll find some stations here, particularly during the winter months.

16 Meter Band. Here you will find quite a number of international broadcasters operating. Again, this is a daylight band and reception over the long haul paths is likely during the fall, winter, and spring months. The 16 meter band covers the frequencies from 17,700 to 17,900 kHz.

19 Meter Band. The frequencies here are 15,100 to 15,450 kHz. Both long and medium distance reception prospects look good for the remainder of the year. Especially fruitful should be the hours of early mid-morning, after the sun comes up, and again during late afternoon and early evening. Most of the stations operating in this band are of the major, international variety, that

is, those who are especially seeking overseas audiences. But the domestic outlets in Latin America, notably the Brazilians, can be found in the 19 meter band as well.

25 Meter Band. The frequencies covered by this SWBC band are those from 11,700 to 11,975 kHz. As with those mentioned previously, this band performs best during daylight hours, with medium range reception likely during midday, longer distances just after sunrise and later afternoons. The lower sunspot count has driven some of the big international broadcast boys down from the top bands into 19 and 25 meters, meaning more signal congestion and more mutual interference. Besides the biggie broadcasters, look also for Latin American signals and some of the Africans as well. Generally this will be a good hunting ground for SWBC signals.

31 Meter Band. The frequencies in the range from 9,500 to 9,775 kHz comprise "31." Much of comment on the 25 meter band holds true for this band as well. It will be jammed with international broadcasting outlets from late afternoon on, but will hold up better throughout the evening. A secondary period of reception will form around dawn for several hours, though there will be fewer stations active. This well could be the best spot to tune for all those major European stations that direct their programs to North American audiences, in English, during the post-supper period until bedtime. Compounding the congestion problem will be the fact that 31 meters is also used by numbers of local service Latin American stations during the evening hours.

41 Meter Band. Because of the overlap here, on the frequencies between 7,100 and 7,300 kHz, with one of the radio amateur bands, expect a good deal of interference at times. This band is not used by Western Hemisphere broadcasters, but it is used by SWBC stations elsewhere in the world. During daylight, reception ranges are short, but at night long haul signals will come

49 Meter Band. This band includes the frequencies from 5,950 to 6,200 kHz. It is used by a number of the international broadcasters, plus a large number of the domestic and local stations, in Latin America, Africa, and Asia. Long range reception will begin to be noticed in the late afternoons and it will hold up during the darkness hours until shortly after dawn. In the

evenings, look for the Spanish and Portuguese speaking stations to the south, plus Europeans and Africans. In the morning hours, turn your attention to the Asian outlets, plus, again, the Latins. As with 41 meters, reception will be best from early spring through early fall.

60 Meter Band. The frequencies from 4,750 to 5,060 kHz again this year will be the SWBC DX hunter's paradise! This is the first of four so-called tropical bands. Very few of the major international broadcasters operate down here at the lower end of the SW spectrum. But it is the haven of the local and regional shortwave broadcasters, particularly those in Central and South America, Africa, southern Asia, and the Pacific region, thus the name, "tropical" bands. As the sunspot number has declined, more and more activity has been noted on 60 meters and the lower bands. This situation will continue for some time. The low bands are the places to hunt during the darkness hours. Signals propagate over paths of darkness between station and listener, so look to eastern stations, in Africa and its offshore islands, from just before sunset through the evening hours, and westward to Asia and the Pacific islands after midnight until just after dawn. It is a great DX band in winter.

75 Meter Band. The second of the four tropical bands includes the frequencies from 3,900 to 4,000 kHz. Like 41 meters, this one is shared with hams and so, normally there is a considerable amount of interference. There are not too many SWBC stations using this band, but some of those that do can be considered top-notch DX, including home service Indonesian stations and also Greenland.

90 Meter Band. Again, this is a good ' place to hunt for real DX signals, especially during the winter nights. Reception should be good again during the winter nights. Here you'll find Asians, Africans, and plenty of stations from Central and South America. The band covers frequencies from 3,200 to 3,400 kHz.

120 Meter Band. Many DXers never even bother tuning the frequencies between 2,300 and 2,500 kHz. Frankly this range is not overloaded with stations and this band is prone to atmospheric noise (static, or as DXers term it, QRN). Now and again some really rare DX can be heard here. The night hours, especially during winter, are op-

There you have a panoramic picture of the dozen SWBC bands and what you can expect in the months ahead.

Buying a SW Receiver. Sitting here in my dinky office (Only kiddin', Boss!) it would be very easy to get out of touch with things if it were not for the stack of mail from you readers that the postman delivers every day. And from your letters, it's clear that a lot of you are giving a lot of thought to communications receivers.

Common questions pop up in many of the letters: What should I look for in a shortwave receiver? How much do I have to spend to get a good one? What is available on the receiver market today? Should I buy a new or used set? Some readers want a flat out answer to the burning question, "Which is the best receiver?"

It is that last question I wouldn't touch with a ten-foot pole. Basic background information about receivers is one thing; a specific recommendation is quite another. Remember: there is no one best receiver. All receiver designs are compromises. It all depends on what you want in the way of features and how much you are willing and able to spend. Even when different models are roughly equivalent, selecting a receiver that fits your bill is as personal a choice as buying an automobile. Some people swear by one shortwave receiver; others swear at it.

The choice is yours, and only you can decide which set is right for you. Some factors to consider are, of course, price, band coverage, portability, solid state vs. vacuum tube design.

What makes a good shortwave receiver? One key factor is sensitivity. Sensitivity is easy to define. It is the receiver's ability to pick up a weak signal. Manufacturers find it relatively easy to build a receiver with good sensitivity. Even some of the small, less costly sets have adequate sensitivity. But it should be remembered that sensitivity alone is just part of the picture.

Signal-to-Noise Ratios. Interference is the bane of a DXer's existence. QRM, man-made interference, and QRN, atmospheric noise and static, are the enemies of the shortwave listener. So the one thing you do not want to do is operate a shortwave receiver that produces its own additional noise. As an electrical device, any receiver produces, to some degree, its own internal inter-

Introducing: the LADS—that stands for Louisville Area DXers. Shown here, from left, are Dick Truax, Neil Dickerson, Wayne Murphy, Pat Hartlage, Jim Nall, John Harris, Mark Hittinger and Gary Atkins. The LADS specialize in DXing the BCB medium waves. Between them, they have heard over 5,000 stations on the AM medium wave band.

ference. So a factor in sensitivity is the ability of the set to amplify the signals you want to hear above the noise level. The higher signal-to-noise ratio, the better.

If you can, try to check out any receiver before you buy it. And if you can, here's a quick check to make to get some idea if the receiver's sensitivity is okay. With an antenna connected, slowly tune across all the bands. You should hear at least some background noise on all frequencies. To determine how much of this background noise represents sensitivity to received signals and how much is internally produced by the receiver, disconnect the antenna and make the same check.

Selectivity. Most receivers will score rather well in the sensitivity rating. One of the most critical factors in receiver performance is selectivity. And here is the area where the more elaborate, more expensive receivers run rings around the cheaper models. Selectivity is the receiver's ability to tune the desired station while rejecting other signals on adjoining frequencies.

Receiver selectivity is like a gate in a fence. The fence holds back the crowd; the gate allows only one person at a time to pass through. And the ideal receiver would allow only one signal to be heard even in a crowded shortwave band.

But it is not possible to design a perfect circuit. Even the most expensive radio receivers cannot in every case pass one signal and one signal only, while rejecting all others. To some degree, you'll find some interfering signals trying to slip in from each side of the

selected frequency. But the better the receiver does the job of rejecting these unwanted "side" signals, the more DX you'll hear.

In a superheterodyne receiver, the intermediate frequency amplifier (IF) is the section of the circuit that gives the set its selectivity. Receivers with double or triple conversion, that is, with more than one IF stage, are more selective. They also cost more. But this is not the area to skimp.

Another device built into some receivers is a "notch filter." It suppresses a narrow band of frequencies and is tunable across the passband. The degree of rejection can also be adjusted manually. Properly used it can knock out an annoying interfering signal close to the station you are trying to hear.

A crystal filter is a piece of ground quartz, tuned to the IF amplifier frequency. It can increase selectivity by passing the desired signal while, to a degree, limiting passage of unwanted signals on either side of the tuned frequency. The mechanical filter, often more costly than the crystal type, works similarly. Instead of a sliver of quartz, the mechanical filter uses a series of small resonant metal discs.

The more expensive communications receivers frequently employ several of these approaches to gain selectivity. The combination of selectivity techniques allow you to tackle most interference sources. Your options in the war against interference in a crowded shortwave band are fewer with a simpler set. When you pay for an expensive receiver, good selectivity is one thing you are getting.

Frequency Readout: Accuracy Counts. Not too many years ago, one real prob-





⊕ COMMUNICATIONS WORLD ⊕

ENGLISH LANGUAGE SW PROGRAMS

When can you tune SWBC stations with English programming? Here are some stations which broadcast in English for at least part of the hour shown (in GMT). It is a selected list which shows representative frequencies, not a full listing of times and frequencies for the various stations. It also is possible that in some cases frequencies may have been altered between the time this list was compiled and when you read it.

| AE . | STATION | ÇOUNTRY | FREQUENCY | TIME | STATION | COUNTRY | FREQUENCY |
|-------|-------------------------------|------------------------|----------------|----------|----------------------|---------------|-----------|
| | | | 2.250 | | R. 4VEH | Haiti | 9,770 |
| 00 | S. Af. Bc. Corp. | South Africa | 3,250 | 1000 | R. Tashkent | USSR | 6025 |
| | RTV Belge | Belgium | 6,080 | 1200 | HCJB | Ecuador | 6,075 |
| | R. Tirana | Albania | 7,065 | | | Canada | 6,130 |
| | R. Peking | China | 9,940 | | CHNX | | 5,052 |
| | R. Moscow | USSR | 12,050 | 1300 | R. Singapore | Singapore | 9,610 |
| | VOA relay | Philippines | 15,290 | | VLW9 | Australia | |
| | R. Australia | Australia | 15,425 | | _ | N. Vietnam | 10,040 |
| | | | 5,985 | | R.4VEH | Haiti | 11,835 |
| 00 | WYFR | USA | 5,995 | 1400 | V. of Philippines | Philippines | 9,580 |
| | Vatican R. | Vatican | 6,075 | 1400 | R. Norway | Norway | 9,590 |
| | Deutsche Welle | W. Germany | 6,135 | | | Sweden | 9,765 |
| | Swiss Bc. Corp. | Switzerland | | - (| R. Sweden | Finland | 15,110 |
| | R. Prague | Czechoslovakia | 7,345 9,580 | | R. Finland | | 6,195 |
| | BBC relay | Ascension Is | 9,300 | 1500 | BBC relay | Malaysia | 9,520 |
| | Trans World R. | Neth. Antilles | 11,925 | • | V. of Greece | Greece | 9,610 |
| 200 , | R. Portugal | Portugal | 6,025 | | VLW9 | Australia | 9,770 |
| .00 , | HCJB | Ecuador | 6,095 | | R. Australia | Australia | |
| | Deutsche Weile relay | Malta | 6,100 | | BBC | Gt. Britain | 15,070 |
| | R. Moscow | USSR | 7,110 | | HCJB | Ecuador | 15,115 |
| | | Cyprus | 7,230 | 1600 | R. Norway | Norway | 11,895 |
| | BBC relay | Greece - | 9,740 | 1000 | R. Australia | Australia | 11,965 |
| | VOA relay | Cuba | 11,930 | | - BBC relay | Malaysia | 15,365 |
| | R. Havana Cuba | Japan | 15,105 | • | • | Gt. Britain | 9,410 |
| | R. Japan | Australia | / 15,320 | 1700 | BBC | | 11,710 |
| | R. Australia | | 3,396 | | R. France Int. | France | 15,30 |
| 300 | Rhodesian B. Corp. | Rhodesia | | | R. France Int. | France | |
| | HRVC | Honduras | 4,820 | 1800 | VOA relay | Greece. | 9,70 |
| | TGNA | Guatemala | 5,955 | 1000 | R. Pyongyang | North Korea | 9,98 |
| | VOA relay | Liberia | 6,035 | | V. of Free China | Taiwan | 11,82 |
| | R. Budapest | Hungary | 7,220 | | ETLF | Ethiopia | 11,83 |
| | R. Peking | China | 9,460 | | RTV Ivorienne. | Ivory Coast | 11,92 |
| | RAE | Argentina | 9,690 | | WINB | USA | 17,72 |
| | | Malawi | 3,380 | | VOA . | USA | 21,48 |
| 400 | Malawi B. Corp | Botswana | 4,845 | 1 | | | 9,02 |
| | R. Botswana | | 6,070 | 1900 | R. Teheran | Iran | 9,75 |
| | CFRX | Canada | 9,635 | | R. Baghdad | iraq , | 11,80 |
| | R. Canada Int. | Canada | 11,690 | | WYFR | USA | |
| | R. Moscow | USSR | | | UN Radio | USA | 15,41 |
| 500 | R. Canada Int. | Canada | 6,135 | | WINB | USA | 17,72 |
| .500 | R. Nederland relay | Neth. Antilles | 6,165 | | HCJB | Ecuador | 17,73 |
| | R. Korea | South Korea | 9,640 | 2000 | IBA | Israel | 7,41 |
| | R. New Zealand | New Zealand | 11,780 | 2000 | All India R. | India | 9,52 |
| | | Ghana | 3,366 | | R. Zambia | Zambia | 9,58 |
|)600 | R. Ghana | Liberia | 4,770 | | | Malagasy Rep. | 11,73 |
| | ELWA | | 4,990 | | R. Nederland relay | Liberia | 11,95 |
| | R. Nigeria | Nigeria New Zealand | 11,780 | | ELWA | Ascension Is. | 15,20 |
| | R. New Zealand | | | | BBC relay | | 11,73 |
| 0700 | KGEI | ÚSA | 5,980 | 2100 | R. Nederland relay | Malagasy Rep. | |
| | VOA relay | Liberia | 1 6,035 | | R. Nacional Brasilia | Brazil | 11,7 |
| | UN Radio | USA | 6,055 | | R. Canada Int. | Canada | 11,8 |
| | V. of Philippines | Philippines | 9,580 | 1 | XERMX | Mexico | 15,3 |
| | R. Pyongyang | North Korea | 9,820 | 0000 | R. Ghana | Ghana | 4,9 |
| | R. Nederland relay | Neth. Antilles | 11,730 | 2200 | Radio Turkey | Turkey | 9,5 |
| | | Papua New Guinea | 4,890 | | | Yugoslavia | 9,6 |
| 0800 | National B. Com. | Australia | 9,680 | | R. Belgrade | Egypt | 9,8 |
| | VLR9 | | 11,890 | | R, Cairo | USA | 11,7 |
| | Far East B. Co. | Philippines | | 11 11 11 | WINB | South Africa | 11,9 |
| 0900 | VLM4 | Australia | 4,920 | 1.1 | R. RSA | | 3,3 |
| | R. Canada Int. | Canada | 5,970 | 2300 | Sierra Leone, B. S. | Sierra Leone | |
| | R. New Zealand | New Zealand | 9,520 | | R. RSA | South Africa | 9,5 |
| | XERMX | Mexico | 15,385 | | R. Pyongyang | North Korea | 11,5 |
| 1000 | | Guyana | 3,290 | | R. Japan | Japan' | 11,7 |
| 1000 | Action R. | USA | 5,980 | | BBC relay | Ascension Is. | 15,2 |
| | KGE1 | Thailand | 9,655 | | XERMX | Mexico | 15,3 |
| | , R. Thailand R. Australia | Australia | 9,580 | | R. Moscow | USSR | 15,4 |
| | | | | | | | |

lem faced by virtually all shortwave listeners was that of frequency readout on their receivers. Frequency readout? That involves being able to look at your receiver tuning dial or mecha ism and tell the actual frequency tuned.

On the receivers, even the most expensive available, of some years back, one could not simply read the correct frequency from the receiver's dial. So DXers resorted to graphs and charts. They laboriously calculated and plotted to get a fairly good idea of just where they were tuned. Some purchased a piece of accessory gear, a military-surplus BC221 frequency meter to measure tuned frequencies. The BC221 was a nice bit of gear to have—it did the trick—but it was slow and somewhat cumbersome to use.

The problem of knowing the frequency you are tuning has been solved—the solution is a costly little item which dedicated listeners seek in spite of the expense involved. On the most expensive communications receivers, exact frequencies to the fraction of a kilohertz can be read off directly from the set's front panel in a series of neat little illuminated numbers. It's called electronic frequency readout. Mechanical type frequency readout mechanisms, at least accurate to one kHz can be had in receivers costing roughly in the \$300 to \$700 price range.

There remains a problem in frequency readout for those using the inexpensive receivers. Most multi-band portable receivers in the under-\$100 range have only a slide-rule type tuning dial. For all practical purposes, with such an inexpensive portable, you really have very little chance of coming much closer than about 50 to 100 kHz in determining the tuned frequency.

You can DX even if you don't know precisely where, in a band, you're tuning, but it is hit or miss. If you can afford a set that offers good frequency readout it will be worth your while to get it.

The Receiver Market Today. Except at the top and the bottom ends of the price range, there are fewer receivers to choose from than there were some years back.

There are many solid-state portable receivers priced under \$100. Most of these are oriental imports, most are multi-band, including MW, one or more segments of the shortwave range, perhaps FM | broadcast, and/or one or more VHF bands.

Frankly, these sorts of portables are not for the serious shortwave DXer. They fall short in the areas of selectivity and frequency readout. But for the beginner they do have some good points

This Nordmende Globetraveler 9000ST belongs to 23-year-old Steven Albert of Brooklyn, NY. Steve has been listening to both shortwave and the VHF police band since about 1968. Steve is a director of the Newark News Radio Club and, in April 1975, was named its "Member of the Month." Congratulations!

going for them. The price is right, and that's an important consideration for the fellow who isn't yet sure just how deep a financial commitment he wants to make in the hobby of DXing.

Also, the hobby beginner may not be sure just which of several phases of the listening hobby will most interest him. Will it be the shortwave broadcasters, the utility stations that occupy the shortwaves, perhaps the medium wave band, or possibly public service band VHF monitoring. With the right multi-band portable, he can get a receiver that will give him more than a sampling of all these DXing facets—and he won't go bankrupt in the process. One can always upgrade equipment later and keep the "first" receiver as a standby unit.

The Under-\$100 Range. While not a real SWBC DX machine, the under-\$100 portable can probably bring in 20, 30, perhaps 50 different countries with some tuning skill and some luck.

Perhaps typical of this sort of receiver is the Radio Shack Astronaut-5, which covers the AM and FM broadcast bands, the VHF high band (144-174 MHz), the VHF aviation band (108-135 MHz), and the shortwave frequencies between 6 and 18 MHz. It is priced, at this writing, at \$69.95.

There is really only one other receiver, besides the various multi-band portables, that is priced under \$100 and could remotely be considered a communications set. It is the Heath SW-717, priced about the same as 'the Astronaut-5.

For this money you get full frequency coverage, in four bands, of the MW and SW ranges, from 550 kHz to 30 MHz. The SW-717 has slide-rule tuning, separate bandspread for easier tuning, automatic noise limiter, an S-meter for indicating relative signal strengths, and a variable BFO (beat frequency oscillator).

But the SW-717 is a kit, not a prebuilt receiver. Feature-for-feature, you can get more for less money by buying a kit. The reason for this is obvious. You perform the hours of labor that a manufacturer would have to pay employees to do the same job. Heathkits come with detailed instructions. The job isn't too hard, but it is painstaking and time consuming. Are you willing to



tackle it? Only you can decide.

Between \$100-200. The real crunch in the new receiver market comes in the second price level, between about \$100 and \$200. This is the price bracket considered by the beginner with a little more cash to spend initially, or by the fellow who wants to step up from his first receiver. And, unfortunately, except for a few higher priced multi-band portables, there really are only three communications receivers to choose from. They are all priced in the area of \$160 to \$170 at this writing.

Heath offers the GR-78, another kit, with a number of communications receiver features, plus portability. This receiver tunes from 190 kHz (LF) up through the shortwaves to 30 MHz in six bands. It will tune AM, CW, and SSB signals, has automatic volume control (AVC) and automatic noise limiter (ANL). As an aid in determining frequencies, there is a 500 kHz crystal calibrator.

The second and third communications receivers in the \$100-\$200 bracket are pre-builts, not kits, One is Lafayette Radio's HA-600A. It is a five-band, full-coverage, medium and shortwave receiver of solid-state design. It also tunes the 150-400 kHz low frequency band. The circuitry uses two field effect transistors (FET) for sensitivity with a low noise factor, and a mechanical filter to improve selectivity.

The final set in this price range is Radio Shack's Realistic DX-160 which covers the same frequencies as the HA-600A. It too uses FET's for sensitivity and selectivity. The eleven front panel controls include ANL, AVC, main and bandspread' tuning, antenna trimming, audio frequency (AF) and radio frequency (RF) gain controls, and more. Being a solid-state design, it also operates on 12 volts DC as well as regular 117-volt AC.

The Sky's the Limit. The next price bracket is rather a wide one, from about \$200 to roughly \$700 or so. Features vary with the cost, of course, but when you pay this much you should get excellent sensitivity, good to excellent selectivity, and reasonably accurate (say 5 to 10 kHz maximum error) to

© COMMUNICATIONS WORLD

highly accurate (1 kHz or less) frequency readout.

At less than \$400 there is the SB-313, a kit by Heath; the new Drake SSR-1, the South African import portable; the Barlow-Wadley XCR-30 Mark III; and the Kenwood QR-666, another relatively new entry from Japan.

In the upper half of this price bracket are two receivers made by the R. L. Drake Co.: the very popular SPR-4 and

the R4C. ·

Most serious experienced DXers of the shortwave bands select from that rather abbreviated list of receivers. Frankly, there is a wider choice of specialty receivers in the top price range, all the way up to \$5,000 and more. But owning such a receiver is out of the question for most DXers, and it is really doubtful that you'd hear anything on a \$5,000 receiver that you wouldn't hear on a \$500 set.

Mailbag Time Again. As I said earlier, there's always something in the letters you send to COMMUNICATIONS WORLD to give me something to think about and, sometimes, to brighten the daylike this letter from Michael Light,

Sunnyside, NY.

"Another job well done. I just finished reading COMMUNICATIONS WORLD. I offer you kudos because I'll venture to guess that you work harder, do more research and put in more hours than anyone else connected with the magazine." (Hey, did you get that, Boss?)

Mike, who has been DXing for four years, is one of those listeners who recently "stepped up" in receivers. He writes, "Last week I brought home my dream receiver, a Drake SPR-4, and it paid immediate dividends. Radio Finland came across like a local on 15,110 kHz, and then as I headed up 19 meters, on 15,165 kHz, Radio Denmark was signing off in English. Those are just two of the 44 countries I've logged here in QRM City." Mike concludes, "The article on Great Britain DXing was excellent.'

Regular readers will remember the bit in the Spring-Summer 7.6 COMMUNICA-TIONS WORLD by top British DXer and broadcaster, Alan Thompson, in which he described how listening differs on

the other side of "The Pond."

British DX Equipment Report. Well, Alan is back with us again this time to give Statesiders a glimpse of what the receiver market and the equipment scene in general is like in Great Britain.

"During World War II," Alan notes, "a great number of U.S. military bases were-located in the British Isles. When

the war emergency ended, much of the surplus electronic equipment found its way into the market in Great Britain. So the DXer here had a real bonanza period from about 1950 to 1965, when one could find military surplus receivers in just about every radio shop in any town you cared to name.

"And so," Alan continues, "the RCA model AR88D often formed the staple equipment of a British DX shack in the 1950's and '60s. These receivers were available in immense quantities and some of them were brand new

when sold as military surplus.

"Purely a personal view is that the AR88D was one of the greatest receivers when coupled with a Q-multiplier for added selectivity and a "null" position in its passband. Even today, in the United Kingdom, a good AR88D, in first class condition, though some 35 years, old, can still command a price of around \$200.

"One of the better British receivers of some years back was the Marconi CR100, also known as the B28. It vied with the AR88D as to which was the heavier. Both weighed the best part of a hundred pounds and must have been the cause of many a slipped disc among DXers!

"The CR100 had an unfortunate tendency to wander up and down the frequency scale with changes in ambient temperature and accidental currents of cold air in the room. One British DXer told me he made a point of keeping a hot water bottle in the vicinity of his CR100 to help stabilize drifting.

"I suppose it was in about 1965 that the so-called communications receiver arrived in Great Britain from Japan. It was the Lafayette HE30 that started the trend which brought a new dimension to British DXing. These sets were . cheap-about \$75 at the time-and nice enough to look at, something which couldn't be said for the monsterous AR88D.

"These Japanese receivers and their successors are still about in great profusion. Meanwhile the Russians have made available a host of really excellent transistor portables which perform well even if their looks are rather reminiscent of 30 years ago.

"The serious DXer, as opposed to the more casual listener, five or six years ago began to realize that his World War II vintage AR88D was getting rather long in the tooth. The design technology of the late 1930's was showing its age in the 1970's.

Some experienced DXers opted for

one of the Japanese communications receivers in the medium price range. These sets actually dominate the new equipment market throughout Europe.

"But the DXer who was seeking superb selectivity and sensitivity, simple and accurate resetting of the dial to a given frequency, and the ability to find in one receiver something which would cover almost the whole of the frequency spectrum below 30 MHz, had to look elsewhere.

"He had to pay dearly for it too. These top notch receivers included several American-made models by Hammarlund and Collins, the rather awesome looking RCA AR8516L, and, of course, a range of British communications receivers. Among this latter class were the GEC/Marconi RC410/411, variations of the BRT400 and 402 series, and Eddystone receivers with type numbers including the old-but super-658X, 730/4, 830/7 and others.

"Ultimately, many of Britain's most experienced listeners found that the receiver of their choice was a domestic product, the Racal RA17 or RA117. In 1970, the price tag on such a receiver, used, was something like \$500. Today it would be more like \$1,000. And brand new Racals run several times that amount.

"It's a very long way to come in twenty or thirty years from the days when one could acquire a quite good military surplus receiver for just \$25. But radio reception conditions have changed too. With today's crowded bands, a receiver with excellent selectivity, sensitivity, and frequency readout is more important than it was some years back."

From Alan Thompson's description of the equipment scene in Great Britain it is easy to see some similarities with the situation on this side of the Atlantic. In the lower price ranges the imported multi-band transistorized portables dominate. And for the most sophisticated gear one can expect to pay a fancy price.

In the middle price range, particularly considering the availability of used equipment, it is probably true that the North American DXer has a bit more to choose from than his British counterpart when it comes to shortwave receivers.

How to Get a Used Receiver. Speaking of used receivers, a reader from Lubbock, TX, Luis G. Flores writes, "I'm a beginning DXer and I am trying to get a used receiver. Do you have any tips?"

With a somewhat shrinking market of new shortwave receivers, Luis, many DXers are considering a used receiver. At any given time there is normally a fairly sizeable market of used receivers to select from. The main reason for this is that shortwave listeners have the habit of periodically trading up. And when they do, their old receivers become available to other SWLs as used equipment.

Many dealers take these sets in trade toward the purchase price of a new, often more expensive receiver. The used sets often are reconditioned and resold at prices running about 30 to 60 per cent off the original mint-condition cost.

Who deals in used receivers? Generally those firms that specialize in gear for the radio amateur. Check with a local ham in your town, read the ads in the magazines that especially cater to the amateur radio operator, or look in the Yellow Pages under "Radio, Communications Equipment" or a similar title.

One of the best places to find used communications receivers is a dealer who serves the ham radio market. Most major cities have at least one such store. There are some larger ham gear suppliers that operate by mail order as well, if you live in an outlying area.

Now and again you'll find a used communications receiver advertised in newspaper classified ads. And some bargains have even been found in junkshops and at fleamarkets.

If you're really looking for a low priced set, consider the old, but serviceable, multi-band console radios, which include the shortwave bands. Most homes had one such "monster" back in the 1940's. Admittedly they do not have all the niceties of a new solid state set, but for "openers" as an SWL what have you got to lose?

Eureka! In Georgia. Consider this letter from reader Adrian Clift of Atlanta, GA. "I was rummaging through an antique/junk store in October and was extremely pleased to pick up an old-probably late '40's model-Airline console receiver in very good condition. The price was only \$15. Since then I've logged stations from almost 30 countries, using only a 25-foot random wire antenna thrown out my window over a tree branch. I consider this quite an accomplishment and I can assure you that the vintage receiver is capable of much more."

Now there is a success story for you. A start in DXing for just \$15.

There are real advantages in buying a used receiver. The big plus is savings. If you can pick up a receiver for \$150 that a half dozen or so years ago cost \$300, that could be a real bargain. If

you have to put \$50 into it for a new set of tubes, a realignment or what have you, it could still be a bargain. But if the receiver is an all around "dog" it is not a buy at any price.

If you buy from a reputable dealer in ham gear, one who has reconditioned the set he sells used and one who will stand behind the deal, you'll be ahead of the game.

If you purchase from a private party you may have little recourse if the receiver doesn't turn out to be all you had been led to believe it was. It may be worthwhile in either case to have a ham friend or an experienced electronic technician give the once-over to the receiver you are considering. Pay him a few bucks for twenty minutes of his time and his expert opinion. In the long run it may save you from buying a lemon!

I neither encourage nor discourage readers from buying second-hand equipment. Much of the gear on the used market is serviceable and worth the price asked. Sometimes you can get exceptional buys—I knew a fellow who picked up one of the top receivers 'of the 1950's, a \$350 set in those days, for just \$40! But sometimes you can get stung! It is a decision only you can make. Caveat emptor!

A Helping Hoosier. Ah, but here is a helping hand. John R. Leary who lives at 438 Hamilton Street, Fortville, Indiana 46040, notes in his letter that he has been involved in radio since 1929. "The reason I wrote," John says, "is to let your readers know that I have owned 71 receivers over the years. If any of them are thinking about buying any of the receiving sets made between 1945 and 1972, I could give them my opinion. If they would just send a stamped, self-addressed envelope for a reply I'd be happy to help." A kind and helpful offer, John.

Getting back to our Texas reader, Luis Flores again, he also notes he is trying to hear a Peruvian station on shortwave. Luis, there are many stations operating on SW from Peru, many of them regularly audible in the U.S. But I'll let another COMMUNICATIONS WORLD reader give you his suggestion.

"Radio La Cronica in Limi, Peru, has been heard around 1200 GMT," writes John Chapman, West Vancou-

A Heathkit SB-313 (left below speaker) and a Radio Shack Realistic DX150B (center) form the heart of this DX den in Walla Walla, WA. It belongs to Hobart Beal, a retired Army master sergeant who took up DXing two years ago.

ver, B.C., Canada. "Identification is heard every 15 minutes."

Another Spanish-speaking station interests Thomas Macko of Brooklyn, NY.

"Can you help me identify a medium wave station whose name and location I can't understand? It is in Spanish, broadcasting light music on 810 kHz from somewhere in Colombia. I've heard it some evenings with fair signals."

Very likely it is HICY, Radio Sutatenza, which runs a hefty 250 kilowatts on 810 kHz. The address is Apartado Aereo 7170, Bogota, Colombia.

Airwave Piracy in New York. Tom also goes on to tell about a station he heard last December. The station, Tom says, broadcasts on 1620 kHz from "somewhere in New York."

"Obviously it is a pirate station. I heard it playing rock music and conducting what were announced as transmitter tests. The station gave a phone number, which I called. A young man answered. We talked for a while but he said he couldn't answer some of my questions about the station's location and details. This was very interesting. Probably the FCC will shut down the station by the time this report gets printed."

You betcha! That's, exactly what happened to this rather ambitious pirate station that used the call letters WCPR. Actually it took a number of weeks before complaints of this unlicensed operation reached the Federal Communications Commission. And during that period, the signals of this pirate station, just above the normal medium wave AM band, were heard as far north as New Brunswick, Canada and as far west as Illinois.

But, when the FCC did learn about WCPR's illegal operation, it took just one night of radio direction finding effort to pinpoint the station's location, in an apartment building in Brooklyn, NY. The transmitting equipment was confiscated and at this writing no decision had been made as to whether to



COMMUNICATIONS WORLD



charge the offenders with a criminal violation.

Fortunately, most of our readers who have a yen to transmit as well as listen, take a legal route-amateur radio.' Some, like Mark Austin of Troy, NY combine ham radio and SWLing.

Mark writes that he and a friend, WB4JSP, would like to start a 40-meter ham net for SWLs who also are active hams. Mark, whose call is WA2UYL, says "during the net we plan to exchange SWL DXing information and have some long, interesting contacts with hams who are interested in listening to shortwave."

If you're a licensed ham and the idea of an SWL net interests you, drop a line to Mark Austin, Corliss Park, Bldg. 10, Apt. 3, Troy, NY 12182.

"Africa is well known in shortwave circles for Radio RSA, the voice of South Africa," writes Timothy Colvin, a Concord, California COMMUNICA-TIONS WORLD reader. "But listeners trying to snag an African, an alternative to Radio RSA, might try for Swazi Music Radio in the Kingdom of Swaziland. This is a commercial station that is well heard on the West Coast. It signs on at 0357 GMT with its interval signal-the instrumental record "Popcorn"—on 4980 kHz in the 60 meter band. Programs consist of pop music."

Tim is right on target. Swazi Music

Uruguay

Radio is a nice catch anywhere in the country. Unfortunately, word has just been received that the station has hit a financial snag. Reportedly the broadcasting hours were to have been cut back drastically, at least for a while. If you fail to hear SMR at the time and place Tim mentions, this may be the reason.

Frank Hill Jr., Las Vegas, NV, asks about a station mentioned in White's Radio Log in the Spring-Summer 1976 issue of COMMUNICATIONS WORLD.

"You listed the American Forces Antarctic Network as being on 6,012 kHz. Could you tell me more about this station?"

AFNT was the surprise of the 1974-75 winter DX season. Australian DXers heard it first and the word spread quickly to North American listeners. The station only runs 1,000 watts and its intended audience includes military men and scientists at the polar stations. It was heard by some U.S. DXers in late 1974, but although it is said to be still on the air, I know of no recent loggings. It's a toughie, but possible for North American listeners. Best time to try seems to be around 0900 to 1100 GMT.

The OSL Scene. For many DXers. hearing the stations is just half the fun and half the challenge of the hobby. The other half is collecting QSL's.

QSL's-or verifications, confirmations, veries, they all mean the same thing-are those letters or cards from stations confirming that the reports of reception you sent were correct and that you did, in fact, hear them when and where you stated. They provide a tangible bit of evidence that you did actually hear certain stations.

Many of the international broadcasters are more than happy to verify your correct reception reports. But there are also many other stations, usually the smaller, local, or regional stations, that are less interested in hearing from listeners outside their normal target areas. Sometimes they will QSL listeners' reports; sometimes they won't.

One COMMUNICATIONS WORLD reader recently wrote to tell of his problems in getting QSLs from, some stations. But his comments are typical of those we receive from many listeners.

"I have logged in the past two. months about 50 countries and received QSLs from only about half of them," writes Robert Lerner, Waltham, MA. "Please, do you have any suggestions on how to solve this QSL problem?"

First, Robert, I'm not sure you really have a problem. Many stations are a bit slow in replying. And it also takes a while for your letter to reach the station and more time for an overseas reply to get back to you. While some stations will reply with a QSL in a week or two, others take longer . . . sometimes much longer. And, it is true, some don't answer at all, or only on rare occasions. I wouldn't worry too much until after a report has been "out" about three months.

| FRENCH | Senegal Tahiti | ARABIC | ENGLISH |
|------------------|-------------------|----------------|---------------|
| Afars and Issas | Upper Volta | Algeria | Australia |
| (Fr. Somaliland) | oppor voita | Bahrain | Barbados |
| Algeria | | Egypt | Bermuda |
| Belgium , | SPANISH | Iraq | Canada |
| Burundi | JI AITIOII | Jordan ' | Fiji |
| Cambodia | Argentina | Kuwait | Ghana |
| Cameroons | Bolivia | Lebanon | Great Britain |
| Central African | Canary Is. | Libya | Guyana |
| Rep. | Colombia | Morocco | Hong Kong |
| Chad | Costa Rica | Qatar | India |
| Comoro Is. | Cuba | Saudi Arabia | Jamaica |
| Congo | Dominican Rep. | Southern Yemen | New Zealand |
| Dahomey | Fcuador | Sudan | Philippines |
| France | El Salvador | Syria | Seychelles |
| Gabon | Guatemala | Trucial States | Singapore |
| Guadeloupe | Guinea | Zanzibar | Windward |
| Guiana (Fr.) | (Ecuatorial) | | Islands |
| Haiti | Honduras | | |
| Ivory Coast | Mexico | PORTUGUESE | |
| Laos | Nicaragua | | |
| Malagasy Rep. | Panama | Azores | . SWAHILI |
| Mali | Paraguay | Cape Verde Is. | |
| Martinique | Peru | Brazil | Burundi |
| Mauritania | Philippines | Guinea (Port.) | Kenya |
| New Caledonia | Spain | Macau | Rwanda |
| Reunion Is. | Chile | Portugal | Somali |
| Rwanda | Venezuela | Sao Tome | Tanzania |

LANGUAGES OF THE WORLD

| Greenwich Mean Time | EDT | EST or CDT | CST or MDT | MST or PDT | PST |
|------------------------|----------|---------------|---------------|------------|----------|
| 0000 | 8 p.m. | 7 p.m. | 6 p.m. | 5 p.m. | 4 p.m. |
| 0100 | 9 p.m. | 8 p.m. | 7 p.m. | 6 p.m. | 5 p.m. |
| 0200 | 10 p.m. | 9 p.m. | 8 p.m. | 7 p.m. | 6 p.m. |
| 0300 | 11 p.m. | 10 p.m. | 9 p.m. | 8 p.m. | 7 p.m. |
| 0400 | Midnight | 11 p.m. | 10 p.m. ' | 9 p.m. | 8 p.m. |
| 0500 | 1 a.m. | Midnight | 11 p.m. | 10 p:m. | 9 p.m. |
| 0600 | 2 a.m. | 1 a.m. | Midnight | 11 p.m. | 10 p.m. |
| 0700 | 3 a.m. | 2 a.m. | 1 a.m. | Midnight | 11 p.m. |
| 0800 | 4 a.m. | 3 a.m. | 2 a.m. | 1 a.m. | Midnight |
| 0900 | 5 a.m. | 4 a.m. | 3 a.m. | 2 a.m. | 1 a.m. |
| 1000 | 6 a.m. | 5 a.m. | 4 a.m. | 3 a.m. | 2 a.m. |
| 1100 | 7 a.m. | 6 a.m. | 5 a.m. | 4 a.m. | 3 a.m. |
| 1200 | 8 a.m. | 7 a.m. | 6 a.m. | 5 a.m. | 4 a.m. |
| 1300 | 9 a.m. | 8 a.m. | 7 a.m. | 6 a.m. | 5 a.m. |
| 1400 | 10 a.m. | 9 a.m. | 8 a.m. | 7 a.m. | 6 a.m. |
| 1500 | 11 a.m. | 10°a.m. | 9 a.m. | 8 a.m. | 7 a.m. |
| 1600 | Noon | 11 a.m. | 10 a.m. | 9 a.m. | 8 a.m. |
| 1700 | 1 p.m. | Noon | 11 a.m. | 10 a.m. | 9 a.m. |
| 1800 | 2 p.m. | 1 p.m. | Noon | 11 a.m. | 10 a.m. |
| 1900 | 3 p.m. | 2 p.m. | 1 p.m. | Noon | 11 a.m. |
| 2000 | 4 p.m. | 3 p.m. | 2 p.m. | 1 p.m. | Noon |
| 2100 | 5 p.m. | 4 p.m. | 3 p.m. | 2 p.m. | 1 p.m. |
| 2200 | 6 p.m. | 5 p.m. | / 4 p.m. | 3 p.m. | 2 p.m. |
| 2300 | 7 p.m. | 6 p.m. | 5 p.m. | 4 p.m. | 3 p.m. |

After that you can think about sending another report to a station. Yes, stations do reply to "follow up" reports. Perhaps your first reception report was lost, either in the mails or on someone's desk at the station.

Remember that no station "owes" you a verification card or letter. No broadcaster is under any obligation to send you a QSL. Many, perhaps most, stations will QSL listeners' reception reports, usually out of courtesy or a desire to build goodwill.

So when you write to a station, politeness pays. Demanding gets you nowhere. At the end of your report, by all means, ask that your logging be verified. But be polite. You want a QSL more than a station "needs" your report. After all, the station probably gets 10,000, 20,000, or more such requests for QSLs each year.

The Art of Requesting a QSL. How do you go about writing a reception report? Perhaps the best way is to write a personal letter to the station's manager, or chief engineer, or perhaps chief of the English language programming department. You might, as some DXers do, use a standardized form, which needs only to be filled in with the appropriate data. Once you design such a form you may wish to duplicate or mimeograph it in suitable quantities for your own use. If you use a standard form, you may still want to add a brief note to give your reception report a personal touch.

Letter or form, however, your report to a station should include certain basic elements: frequency, time, date, program details, conditions of reception, a description of your listening equipment, and any personal observations or comments you might care to make about the programs you heard.

Frequency. Be sure to include in your report the frequency on which you heard the station, as accurately as you can determine it. Some stations use many different frequencies, in the same or different SWBC bands at the same time. Unless you specify the frequency, the station will not know which transmission you heard.

If the program is in English, usually the frequencies will be announced. This, of course, is the easiest way of being sure what the frequency is. If not announced, do the best you can to estimate the correct frequency, by reading your receiver's dial. Here is where it is really important to have a receiver with an accurate frequency readout.

Time. Two things are important to remember here: always use the 24-hour clock system and use Greenwich Mean



Time (GMT), the universal time standard of broadcasters and DXers.

The use of the 24-hour time system eliminates the need for (and the possible confusion resulting from) references to a.m. and p.m. The hours between 1 a.m. and noon are written as 0100 to 1200. After noon, keep counting! One p.m. becomes 1300, 2 p.m. is 1400, and so it goes, right up to 11 p.m., which is 2300. Midnight is 0000.

Here are a couple of examples. With just a little practice you should have little difficulty: \12:27 a.m. = 0027; 5:15 a.m. = 0515; 11:58 a.m. = 1158; 2:45 p.m. = 1445; 6:07 p.m. = 1807; 11:21 p.m. = 2321.

Understanding GMT may seem a little more difficult, at least at first. Greenwich Mean Time is the time at 0 degrees longitude, the imaginary line that runs north and south through Greenwich, England.

Your report of reception should state the time of your logging in GMT, rather than in your own local time, to prevent any confusion. Many stations keep their own program logs and schedules in GMT rather than in their local time.

The COMMUNICATIONS WORLD charts should help you make the necessary conversions from your local time to GMT without too much trouble.

Date. A date is a date is a date is a date! How could the date of your reception be at all confusing? There are two possible problem areas. One involves the writing of dates using only numerals. Normally, Americans write a date numerically in this order: month, date, and year. You, therefore, might write 11/4/76 and intend it to mean November 4, 1976.

In most other places in the world, it is the day that comes first, followed by the month and year, in numerical notation. To a station engineer in Norway or Nigeria, your 11/4/76 would be interpreted as April 11, 1976—the eleventh day of the fourth month of the year. You can avoid this by spelling out the month.

The second possible problem with

The main entrance at the base of the huge tower that makes up the TV Centre of Moscow's All-Union Radio and TV transmitting station.

the date reference in your report is to remember that the date cited should correspond to the GMT time reported. This can most easily be understood with the help of an example, hypothetical but very typical.

On the evening of December 1, in your Baltimore, MD home, you are listening to the programs from a station in Spain. The clock on your wall reads 9 p.m., Eastern Standard Time. You decide you want to write to the station to report your logging and, hopefully, get a QSL card in return.

So, following the advice you read in COMMUNICATIONS WORLD, you realize that you want to refer in your report to the time in GMT, not EST. And you know that EST equals GMT minus 5 hours. You also know you should state the time in the 24 hours system. So you add your five hours onto local time and, voila, you have 0200 GMT. Terrific, no?

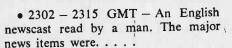
Terrific, yes, if you also remember one other thing: 0200 GMT is the next day, December 2. Make sure the date of your report correctly corresponds to the GMT hour.

Program Details. Program details, along with the preceding item—frequency, date and time—serve only one purpose in a reception report: to prove you actually heard the station in question. So, in order for the station to check your report for accuracy before issuing a QSL, you must include a solid summary of what you heard. These details should cover at least 15 minutes and preferably a half hour or more of listening. You need enough detail to establish that it was the station in question which you actually heard.

Here are a couple of sample program detail entries:

• 2300 – 2302 GMT – Chimes, a chorus singing an anthem and an announcement in French by a woman announcer. This was followed by an announcement in English by a man. "You are listening to an English language transmission from Radio Boobooville." The frequency was announced as 15,205 kHz.

COMMUNICATIONS WORLD



• 2315 - 2325 GMT - African music, a male singer with accompaniment on African instruments, including flutes and drums.

That should give you some idea of the detail that will help to establish the accuracy of your report to the station's satisfaction.

Too many listeners are too sketchy in their logging details, it seems. The following, for example, would not be adequate:

- 2300-Chimes, music, then talking.
 - 2302-Talking by man.
 - 2315-Music.

Reception Conditions. The previously mentioned "musts' in any reception report-frequency, date, time, and program details-are to establish you did hear the station. A description of the reception condition is to inform the station staff how well you heard it.

Now with the popular international broadcasters this is perhaps something of a formality. These stations get many thousands of reports from listeners, and some have their own regular overseas monitors, so they already have a very good idea of how well their programs are being received around the world. With the smaller stations your signal report may be of genuine help to the station technicians in knowing how they are "getting out."

Many DXers prefer to detail the conditions of reception, using words and phrases to describe the strength of the signal, the type and degree of interference from atmospheric (static) or man-made causes, the amount of signal fading caused by fluctuating propagational factors, and an overall summary

of signal quality.

Some DXers, especially when reporting to the larger international broad-

WORLD TIME BY COUNTRIES

To compute the time anywhere in the world, add (+) or subtract (-) the number of hours indicated to or from GMT. Figures in parentheses indicate daylight savings time during the particular country's summer months.

| | 10 | Costa Rica | -6 | 1 | Korea | +9 | Senegal | 0 | 1 |
|-------------------|-------------------------|------------------|-----------------|------|----------------|-----------|---------------|----------------|-----|
| Aden , | +3 | | _6 _5 | | Kuwait | +3 | Sevchelles | +4 | |
| Afghanistan | +41/2 | Cuba | | | Laos | +7 | Sierra Leone | Ö | 1 |
| Alaska | - 8 | Cyprus | +2 | | Lebanon | +2 | Singapore | +71/2 | |
| Albania | +1 | Czechoslovakia . | +1 | | | -3/4 | Solomon Is. | +11 | 1 |
| Algeria | 0 | Dahomey | +1 | | Liberia | +1 | | +3 | Т |
| Argentina | -4 (-3) | Denmark | +1 | . 11 | Luxembourg | | Somalia | | 1 |
| Ascension Is. | 0 (| Ecuador | 5 | , | Libya | +2 | South Africa | +2 | 1 |
| Australia | | Egypt | +2 (+3) | ` ` | Malawi | +2 | South Yemen | +3 | 1 |
| Eastern | +10 | El Salvador | -6 | | Malaysia | +71/2 | Spain | +1 | |
| Central | +91/2 | Ethiopia | +3 | | Malagasy Rep. | +3 | Sudan | , +2 | 4 |
| | +8 | Falkland Is. | -4 (-3) | , | Maldive Is. | +51/2 | Surinam | -31/4 | 1 |
| Western | | Faeroe Is. | o` o' | | Mali | ' 0 | Sweden | +1 | , I |
| Austria | +1 | Fiji Is. | +12 | | Mauritania | 0 | Switzerland | +1 ' | 4 |
| Azores | <u>-1</u> | | +2 | | Marshall Is. | +12 | Syria | +2 (+3) | |
| Bahamas | − 5 | Finland | +1 | | Martinique | -4 | Tahiti | -10 | -1 |
| Bahrain | +4 | France | | | Mauritius | +4 | Tanzania | +3 | П |
| Belgium | +1 | Gabon | +1 | - 1 | Mexico | -6 | Thailand | +7 | |
| Bermuda | -4 | Gambia | 0 | | | +1 | Timor | +8 | |
| Bolivia | 4 | Germany | +1 | | Monaco | +8 | | 0 | |
| Botswana | +2 | Ghana | 0 | | Mongolia | | Togo | | |
| Brazil | | Gilbert Is. | +12 | | Morocco | 0 | Tunisia | +1 | V |
| Eastern | -3 (-2) | Greece · | +2 | | Mozambique - | +2 | Turkey | +2 | M |
| Central | -4 (-3) | Guam | +10 | | Nepal | +5.40 | -0 | +3 | -1 |
| | -5 (-4) | Guatemala | -6 | | Neth. Antilles | -4 | Upper Volta | 0 | |
| Western | +8: | Guayana | -33/4 | | New Caledonia | ,+11 | Uruguay | -3 | |
| Brunei | | Guiana, Fr. | -3 | | New Guinea | +10 | USSR | | П |
| Bulgaria | +2 | Guineá | ő | | New Hebrides | +11 | Moscow | +3 | -1 |
| Burma | +61/2 | | +1 | | New Zealand | +12 | ► Baku | +4 | 1 |
| Burundi | +2 | Guinea, Eq. | -1 | | Nicaragua | -6 | Sverdlovsk | +5 | |
| Cambodia | +7 | Guinea, Port. | -1 -5 | | Niger | +1 | Tashkent | +6 | |
| Cameroon | , +1 | Haiti | | | Nigeria | +1 ′ | Novosibirsk | +7 | |
| Canada | | Hawaii | -10 | | | +1 | Irkutsk | +8 | |
| Atlantic | -4 (-3) | Holland | +1 | | Norway | | Yakutsk - | +9 | |
| Eastern | -5 (-4) | Honduras | -5 (-6) | | , Pakistan | +5 | | +10 | |
| Central | −6 (−5) | Honduras, Br. | −6 (−5½) | 1 | West | | Khadarovsk | | П |
| Mountain | -7 (~6)· | Hong Kong | +8 (+9) | i . | East | +6 | Magadan | 411 | |
| Pacific | -8 (-7) | Hungary \ | +1 | | Panama | -5 | Petropavlovsk | +12 | |
| Yukon | -9 (-8) | Iceland | -1 (0) | | Papua Terr. | +10 | Anadyr | +13 | |
| | 0 | India | +51/2 | | Paraguay | -4 | USA | | |
| Canary Is. | -2 | Indonesia | | | Peru | 5 | Eastern | -5 (-4) | |
| Cape Verde Is. | | West | +7 | | Philippines | +8 | Central | -6 (-5) | ы |
| Central Afr. Rep. | ` +1 | Central | +8 | | Poland | +1 | Mountain | −7 (−6) | П |
| Ceylon | +51/2 | East | +9 | ı" | Portugal | +1 | Pacific > | -8 (-7) | |
| Chad | +1 | | +31/2 | | Qatar | +4 | Vatican | +1 | |
| Chile | -4 | Iran | +3 | | Reunion | +4 | Venezuela . | -4 | |
| China | | Iraq | | | Rhodesia | +2 | Vietnam, S. | +8 | |
| East | +8 | Israel , | +2 | | | +2 | Vietnam, N. | +7 | |
| West | +6 | Italy | +1 (+2) | | Rumania | +2 | | -4 | |
| Colombia | -5 | Ivory Coast | 0 , | | Rwanda | | Windward Is. | | |
| Congo | | Japan | +9 | | Ryukyu Is. | +9 | Yemen | +3 | |
| West | +1 | Jordan | +2 | | Sabah · | +8 | Yugoslavia | +1 | |
| East | +2 | Kenya | +3 | | Sao Tome | 0 | Zambia | +2 | |
| | -10½ | | | | Sarawak | +8 | | | |
| Cook Is. | 1072 | | 1,11 | | | | | | |

casting stations, which because of their extensive contacts with SWLs, are more knowledgeable in the ways of hobby listeners, and use a special reporting code. This code, called SINPO, was devised to concisely state all the reception condition information.

The SINPO Code. SINPO stands for Strength - Interference - Noise - Propagation-Overall. The Strength and Overall elements are self-explanatory. Interference means man-made QRM. Noise stands for QRN, atmospheric noise or static. Propagation stands for the degree of fading of the signal.

Each of these five elements is rated on a 1 to 5 scale. A reading of SINPO 55555 is the best a station could receive and, unless, you're doing your DXing from the very shadow of the station's transmitting antenna, you probably won't come across such a "perfect" signal.

SINPO is a handy way to give a reception condition report to a large international broadcasting station. It is standardized and takes less time and effort to spell out your observations to the station you are reporting. But, many of the smaller stations, which receive fewer SWL reports, probably aren't familiar with the meaning of the SINPO code.

Equipment. To evaluate your reception report it helps if the station staff knows the sort of equipment you are using for your shortwave listening.

Hearing a relatively low-powered station with a big, fancy receiver and a looooong-antenna is a bit easier than with a little portable with a whip antenna. You can mention, therefore, in your report, the type of receiver you are using, the number of tubes or transistors, if you know this, the type of antenna, its length and height. If you are using any other sort of auxiliary equipment to aid you in your DXing, you can also mention this in your report.

The Final Touch. And last, but not least, when you write a reception report to a station, seeking a QSL or verification, don't forget the personal angle. Remember that many stations, especially the international broadcasters with English language programs, are trying to reach you and others like you. They want to know how you like

This is a modern control room of The Radio Voice of the Gospel, ETLF, located in Addis Ababa, Ethiopia. ETLF is owned and operated by the Lutheran World Federation Broadcasting Service and is just one of many stations, operated by various Christian denominations, that serve as radio missionary voices.

their programming. They are anxious to learn your likes and dislikes and the sorts of programs you would like to listen to.

So tell them, and also write something about yourself. It isn't necessary to write a long letter, but a few friendly, but honest comments about the programs you heard will be appreciated.

If you follow these tips on reporting your receptions to the stations you hear you should have a rather good rate of replies. Again, not every station will verify, it seems. And some may take two or three reports before you get your QSL. Just write the best reception report you can and be a little patient!

Speaking of patience, Mike Cassell of Greensboro, NC seems to be running out of his. Mike writes, "Help! I have just come into the world of SWLing. My problem is how to get my reception reports to the stations I hear. I don't have the correct station addresses and my letters are being returned by the post office. Is this situation hopeless? Shall I just sell my set and quit?' Or can you help?"

Hang in there, Mike. Don't sell your set. Invest in a book that lists the addresses of most of the world's SWBC stations.

There are two I'd recommend. One is World Radio TV Handbook, an annual now in its 30th edition, which includes a lot of other information about SW stations besides their addresses. The price is \$10.95. It can be ordered from Gilfer Associates Inc., Box 239, Park Ridge, NJ 07656; Bill-board Publications Inc., 1 Astor Plaza, New York, NY 10036; or you may find it on sale in some radio stores and book shops.

The second reference work for the

fellow in search of station addresses is the SWL Address Book, by well-known DXer Gerry Dexter. It sells for \$3.30 and is available from Gilfer Associates Inc., too.

Clubs, Clubs, and More Clubs. Eddie Reska of Coal Center, PA, writes: "I'm a TV DXer who would like to join a TV DXing club. Can you give me some information?" Sure, Eddie. As you have apparently found out, DXing the snowbands—hunting for distant TV signals—is a fascinating aspect of our DX hobby. There are a number of others who also are fascinated by TV DXing. Many of them belong to the Worldwide TV-FM DX Association, P.O. Box 163, Deerfield, IL 60015.

Incidentally, one of the best ways of learning all about DXing and keeping current on the rapidly changing DX world, is to join one of the other fine DXing clubs. These clubs, along with the previously mentioned Worldwide TV-FM DX Association, are affiliated with the Association of North American Radio Clubs, 557 North Madison Avenue, Pasadena, CA 91101.

Covering news and activities of interest to medium wave listeners are the National Radio Club, P.O. Box 127, Boonton, NJ 07005; and the International Radio Club of America, P.O. Box 21462, Seattle, WA 98111.

Specializing in shortwave broadcast data are the North American Shortwave Association, P.O. Box 13, Liberty, IN 47353; and SWL International, c/o Chris Hansen, 100 W. 92nd St., Apt. 5B, New York, NY 10025.

Those clubs which cover several different aspects of the DXing hobby include the American Shortwave Listeners Club, 16182 Ballad Lane, Huntington Beach, CA 92649; the Canadian



COMMUNICATIONS WORLD

International DX Radio Club, 169 Grandview Avenue, Winnipeg, Manitoba R26 0L4, Canada; Radio USA, 1602 W. Pierson Street, No. 229, Phoenix, AZ, 85015; SPEEDX, P.O. Box E, Elsinore, CA 92330.

In addition, associated status has been granted to six special interest or regional clubs. The ANARC associate clubs are the Miami Valley DX Club, c/o Leonard J. Wyatt, 170 Notre Dame Avenue, Dayton, OH 45404; the Minnesota DX Club, c/o Tom Gavaras, 16920 17th Avenue, North, Wayzata, MN 55391; Rocky Mountain DXers Association, 3701 South Dexter Way, Denver, CO 80222; Transworld, DX Club, c/o John Chapman, 606 St. Andrews Road, West Vancouver, British Colombia, Canada V7S 7V4; University of Manitoba DX Club, Room 515, University Centre, Winnipeg, Manitoba, Canada, R3T 2N2; and the Handicapped Aid Program, c/o Ted Poling, HAP Director, P.O. Box 163, Mt. Sterling, IL 62353.

An information leaflet about all these ANARC clubs is available by writing the Association of North American Radio Clubs at its Pasadena headquarters. Or you can write to the clubs directly. Be sure to include a stamped, self-addressed envelope with your letter if you want a reply.

All of the above clubs publish a bulletin on a regular basis. Some clubs have monthly bulletins, others have them published up to 34 times a year. Yearly membership, depending on the club, varies between about \$6 to \$15 a year. Most experienced DXers will tell you that membership in a good DX club is virtually a "must" for the fellow who wants to take his hobby seriously.

Speaking of clubs, one interesting sidelight is the annual convention. A number of the clubs mentioned hold a get-together during the summer, a convention of members and other interested DXers. The National Radio Club, for example, will be holding its convention in Louisville, KY, during the Labor Day weekend. Wayne. Murphy, 1411 Phyllis Avenue, Louisville, KY

> Most DXers collect QSL cards and verification letters, replies from those stations they hear and report. Some broadcasters also send attractive pennants to listeners who report reception of their stations. Here are some of the pennants sent by SWBC stations.

40215, notes that people in the area who are interested in knowing more about the NRC convention should drop him a note.

Last Words From All Over. Adie Durden is a COMMUNICATIONS WORLD reader who lives in Albany, GA and is 13-years old. He enjoys listening to the medium wave stations. After hearing 158 broadcast band stations in the 540-1600 kHz range, Adie has turned to the foreign medium wavers.

"I have only identified one foreign station positively," he writes. This was Trans World Radio, 800 kHz, from Bonaire, Netherlands Antilles. "I have also heard three other foreign stations and have questions about them. What is the location of a Spanish-speaking station, apparently broadcasting from Cuba, on about 640 kHz? What is the location of Mexican station XERF on 1570 kHz, and the frequency of another Mexican, XEG, at Monterrey?"

Okay, Adie, your station from Cuba apparently is CMQ in Havana and its frequency is 640 kHz; XERF is located at Ciudad Acuna, just across the border from Del Rio, TX, and it runs about 250 kilowatts of power; and finally, XEG, Monterrey, which also features English programming, broadcasts on 1050 kHz.

Konstantine Rychalsky of Bridgeport, CT, is another medium wave fan. He tells about one of his more interesting loggings. "One night last September, at 0145 EST (0645 GMT) I was, able to pick up Radio Caracas, Venezuela, on 750 kHz. Of course, WSB, Atlanta was off the air at the time. If anyone of the readers is itching to log Venezuela, this is a good chance. The format I heard was American rock and roll. I sent a report and will let you know what happens."

And for others, who like Konstantine, should hear YVKS, Radio Caracas on 750 kHz, and want to send a reception report, try this address: Apartado 2058, Caracas, Venezuela. Reports should be written in Spanish.

To close out mailbag this time, it is a letter from Bill Patalon III, Fallston, MD, who has some information on the frequencies used by Radio 4VEH, currently the only shortwave outlet in the island republic of Haiti. 4VEH is a missionary broadcaster and Bill notes that 1200 GMT is a good time to listen for this one. The station's shortwave frequencies are 3,345, 6,120, 9,770, and 11,835 kHz.

And so, with that, we wrap things up for another issue of COMMUNICATIONS WORLD. Before we come your way again, six months hence, I hope that we'll be hearing from you about your DXing activities, and seeing your pictures, which we'll publish in future issues of COMMUNICATIONS WORLD.

Good DX to you all!



Now You Can Go CB Today!

BACK IN THE pioneer days of Citizens' Band (CB) radio there was only one basic type of transceiver—it turned on and off, the volume could be adjusted, it had a squelch, and more often than not it operated on one, two, or three channels. Color it cheap.

Of course, those were the days when CB operators were as scarce as Eskimos in Ecuador; nobody knew about fancy refinements, state-of-the-art, and that sort of thing. The majority of CB manufacturers were hand-constructing a few dozen CB rigs per week to meet their needs.

I suppose that by now you've heard that the awkward child has grown up; CB radio has turned into the darling of the public, a 9-headed monster for the FCC, and one of the few industries which is still smiling (and often back-ordered) through the current industrial/economic "situation."

And, as you might have imagined, the equipment design, styling, refinements, and prices have come a long way up the pike since the old days. Specialized CB rigs are available for installation in cars, trucks, boats, and even motorcycles! To add spice to the market, CB rigs with all sorts of exotic technical gizmos and developments now confront the CB shopper, things such as single-sideband (SSB), crystal synthesis, power-boosted modulation, all channel op-

eration, speech clipping, remote control, telephone handsets, tone alert, integrated circuits, light emitting diodes, receive preamplification, variable sensitivity, public-address systems, tone control, VOX, mechanical and ceramic filters, noise blankers, digital alarm clocks, desk mikes, fully metered functions, dual base/mobile power supplies, and lots of designer styling. Naturally, as hoped for by the manufacturers, sets containing combinations of these features are sensational sellers in the CB marketplace—some tipping the scales at the \$600 price mark!

Why the Rip-Off? What's happened is that, somewhere in the backwash and dust of all this clamor, the poor soul who just wants to get on the air, no strain, no pain, has gotten the impression that unless he can unload about \$1300 on a base station (and there's still that mobile installation to think of too!), there is hardly any point in trying to get involved in CB radio, for certainly any installation which doesn't include a \$600 rig, a monster \$350 directional beam and rotor perched atop a 50-foot \$175 to \$350 transmission tower and fed with 20¢-per-foot superlow-loss coaxial cable, will not put even a feeble signal across the neighborhood. Not so!

Back in the past, CBers forgot their humble roots, that they could operate

quite effectively for most local communications purposes with a rather miniscule investment. Today's CBers have forgotten that while all of the chrome and frills are spiffy to have (if you have the cash to invest), these extras are far from being absolutely necessary in order to fulfill CB's basis premise, that of being able to get a message from here to somewhere else.

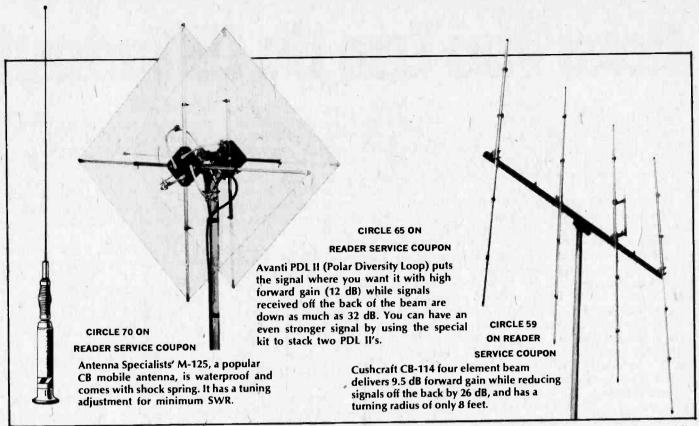
Yes, in the midst of the glitter and dazzle of space-age exotic technology, the consumer has managed to disremember that beneath the facade of knobs, meters, gadgets, and chrome of even the most spectacular deluxe CB rig there lurks (in one form or another, and by whatever fancy technical terms it may be described) a 5-watt transmitter and a 7-MHz receiver; and these same two components were part of a CB rig 15 years ago, and they are still part of even the most inexpensive CB gear today!

And while you can put as much as \$350 into a great-looking tower, you can still get your message from here to there without one—or with something a lot less costly which will accomplish the same purposes. You can, if you wish, spend \$350 on an antenna and rotor, but you can also send your signal out in all directions for about 5 percent of this cost.

And you can also get your signal to







travel to the antenna without the deluxe accommodations of coax costing 20¢ per foot.

Many Just Don't Know. The fact of the matter is that CB is a consumer market, and the average CB consumer is not sufficiently hip to the ins and outs of CB radio in order to avoid overbuying, even without any coaxing from a high-pressure salesman. If a \$3000 Chevy is good, a \$6000 Buick is twice as good, right? So if a \$1300 CB installation is great, a \$650 installation is fair, and a \$325 installation is a joke, right? Wrong!

Inexpensive CB gear is still being produced, quietly and with far less hullabaloo than the stuff with the fancy trimmings. Let's see how a fully operational and effective CB station might be assembled on a shoestring. Let's see if each and every one of the frills is necessary to your installation, to your needs.

First, decide exactly what you want of your CB installation. Most often the SWLer in his shack wishes to communicate to one or more base stations.

You and your SWL pals can select one channel (or maybe two) on which to communicate. You don't need the full 23-channel rig. A 3 or 6-channel CB transceiver will do the job inexpensively.

Next, let's really think about the chrome trim and the wood-grain finish—pretty, but it doesn't make the old signal any louder, does it?

You get the idea: Start evaluating things like clocks, variable senstivity, and other cost-adding features. How often will you use a public-address system, for instance? Start scratching these features from your list.

What's Available. Now, let's see what you might buy. You could go to Radio Shack and buy their Realistic TRC-11 which has 6 channels and costs only \$79.95. Royce offers its model 1-590, 3 channels for only \$69.95. Yes-look through the catalogs-there's the Johnson Messenger 121A (\$99.95), Pearce-Simpson's Alleycat 23 (\$124.95), and all the rest. Many manufacturers produce CB rigs for under \$80, and you'll be surprised to see that they aren't all bare-bones models; most seem to be rather nicely designed and several incorporate a few deluxe features. Of course these CB rigs require a regulated 13.8-volt power supply to operate the rig at home. Cost for the power supply is about \$30 or less.

A Roof-Topper. Now we get to the antenna, which you need to radiate your signal. If you absolutely must get the very last drizzle of signal into a remote corner of the county, you will probably require an expensive bandblaster running several hundred dollars. Want good general coverage? Well, don't overlook the old CB standby, the ground plane type antenna. There was a time when every CB base station used one, and you can still get them for about \$12.95 and it will let you communicate in all directions without the need of a rotor to turn it, and it will send out your signal for about as much distance you would need for normal local communications. If you choose to operate the CB in your car, save money

by purchasing any inexpensive mobile antenna that catches your fancy. Mobile antennas are all so well designed today that it would be hard to find a lemon at any price, even if you went looking for one.

If you've heard that to stretch your coverage you must put your base station antenna atop a tower, that is quite true. Now, maybe you can get adequate coverage with the antenna right on the roof of the building and you can avoid the whole question-for a base station antenna atop the roof (or chimney) of even a 2-story frame house will cover most suburban communities. A jazzy communications tower which will run your antenna up 50 feet will probably set you back \$175 to \$350. But here's a suggestion which can save you big cash: check out the prices of telescoping TV masts. You can get a 50-footer for less than \$25, and it will hold up your ground plane with ease. And if you don't need quite that much height, there are all sorts of telescoping TV masts of lesser heights for lower prices.

You may also come to feel that the coaxial cable which feeds signals between the CB set and antenna is a vital link in your ability to effectively communicate, and, in actual fact, it is. Some CB operators go to hysterical ends to insure that not even the most miniscule pinch of signal is lost in the process. Towards this end they purchase sophisticated low-loss cable which sets 'em back at least 20¢ per foot—a 50-foot run of the stuff costs \$10, plus the cost of the connector at each end. The amount of loss, however, that they

(Continued on page 98)

WHIES RADIO LOG

AN UP-TO-DATE DIRECTORY OF NORTH AMERICAN AM, FM, AND TV STATIONS INCLUDING A SPECIAL SECTION OF WORLDWIDE SHORTWAVE STATIONS

| | | | | | | | | | | , | |
|------------------------------------|---|---|---|--|---|--|---|---|--|--|---|
| Call | Location | W.P. | Call | Location | W.P. | Call | Location | W.P. | Çall | Location | , W.P. |
| KVII WGT | 555.5 P. Redding, Calif. O Cypress Gardens, K. Columbus, Ga. 17 Ft. Dodge, Iowa | 1000 50000d 5000 | WLLE WKBN WNAX WFAA KLUB KVI Se | Asheville, N.C. Raleigh, NC Youngstown, OH Yankton, S.Dak, Dallas-Ft. Worth Salt Lake City, U attle, Wash. | tah 5000 5000 | | Jamestown, N.D. Salem, Ohlo. Salem, Ohlo. Coudersport, Pa. Mayaguez, P.R. Memphis, Tenn. El Paso, TX Kermit, Tex. Tyler, Tex. Richwood, W.Va. | 5000 500d 1000d 1000 5000 5000 | K M A C K S X X K G D N K Z U N | Providence, R.I. San Antonio, Tex Salt-Lake City, U: Edmonds, WA Opportunity, WA | 5000 c. 5000 |
| WD W WLI) WET | E Monroe, La. IV Pocomoke City, Md (islip, N.Y. C Wendell-Zebulon, N. | .C. 250d 5000d | 580 | Tuskenee AL | 250r 500d 5000d | 610- | Tyler, Tex. Richwood, W.Va. 491.5 Birmingham AL | 1000 1000d | KFI L | -468.5 Los Angeles, CA Ames, Iowa Lakron, OH O Norman, OK | 50000 5000d 1000d 1000d |
| wnx | O Canonsburg, Pa. N Florence, S.C. N Clarksville, Tenn. T Delta, UT C Richlands, Va. O Jackson, Wise. | 250d 250d 1000d 1000d 1000d 250d | KMJ Fr KUBC I WDBO WGAC | Bethel AK ueson AZ eesno, Calif, Montrose, Calo, Orlando, Fla. Augusta, Ga. Nampa, Idaho Jrbana, Ili. | 5000r 5000 5000 5000 5000 5000 | KAVL KFRC: WSNG WIOD WVIX I | Lancaster, CA San Francisco, CA Torrington, CT Miami, Fla. Pensacola FL Hawkinsvilla Ge | 1 000r 5000 1 000 5000 5000 500d 500d | KYAK KORL WSM | -461.3 Anchorage AK Honolulu, HI Nashville, Tenn. | 50000r 10000 50000 |
| KEN KOY KAF | -545.1 Anchorage AK - Phoenix AZ Y Bakersfield, Calif. | 5000 5000r 1000 | WIBW T KALB / WTAG T WELD T | Manhattan, Kans. Fopeka, Kans. Alexandria, La. Worcester, Mass. Funelo, Miss | 5000d 5000 5000 5000 1000 | WRUS KDAL WDAF KOJM | Agana, GU Russeliville, Ky. Duluth, Minn. Kansas City, Mo. Havre, Mont. Chadron, Nebr. | 10000r 500d 5000 5000 1000 | 660- | Pasadena, Texas -454.3 Fairbanks AK Omaha, Neb. | 10000 1000d |
| WAY WGG KMV | R Orange Park, Fla. A Gainesville, Ga. I Wailuku, Hawali M Salina Kasa | 5000 1000d 5000 5000 5000d 1000 | WAGR WKSK KCMX | Anaconda, Mont. Lumberton, N.C. W. Jefferson NC Ashland OR | 1000d 500d 500d 1000 | WGIR KRKE WAYS | Manchester, N.H. Albuquerque, N.M. Charlotte, N.C. | 5000 5000 5000 5000 5000 | WNBC WESC KSKY | New York, N.Y. Greenville, S.C. Dallas, Tex. | 50000 10000d 10000d |
| WGK WDB KFYI WKR | Columbus, Miss. St. Louis, Mo. W Butte MT Buffalo, N.Y. M Statesville, N.C. R Bismarck, N.Dak. C Cincinnati, Ohlo | 5000 5000r 5000 500d 5000 5000 | KDAV | San Juan, P.R. dot Springs, S.Dal dockwood, Tenn. ubbock, Tex. awrenceville, Va. harleston, W.Va. aCrosse, Wis. | k. 500d 1000d 500d 500d 5000 | WHPL | hiladelphia, Pa. Houston, Tex, Logan, Utah Roanoke VA Winchester, Va. Kennewick WA | 5000 5000 5000 500 5000 | KPUA KBOI WMAQ | Dillingham, AK Hilo, Hi Boise, Idaho Chicago, III. | 5000r 5000 50000 50000 |
| WHL WPAI WGN KCRS KTSA | Corvallis, Oreg. M Bloomsburg, Pa. B Ponce, P.R. G Pawtucket R1 Midland, TX San Antonio, Tex. | 5000 1000 5080 1000 5000r 5000 | 590! WRAG (KHAR / KBHS H | 508.2 / Caroliton AL Anchorage AK lot Springs, AR | 1000d 5000 5000 | KNGS KWSD KSTR | Phoenix AZ Hanford, Calif. Mt. Shasta, Calif. | 5000 1000 1000d 1000d 5. 5000d | KBRW KNBR WWBA | -440.9 Barrow.AK San Francisco, Cal St. Peteraburg, Fi North Atlanta, Ga. Corbin. Ky. | 10 000r - 50000 a. 1000d 25000a 1000 |
| WSV/ KARI WSAI | V Waterbury, Vt. A Harrisenburg, Va. Blaine, Wash. J Wausau, Wis535.4 | 5000 5000 5000 | KFXM S KTHO S KCSJ Po WDLP F WPLO A KGMB F | ian Bernardino, Ca outh Lake Tahoe, (Jebio, Colo, Panama City, Fia. Itianta, Ga, Ionolulu, Hawaii | 1000 1000 1000 5000 5000 | KWAL KMNS | St. Petersburg, Fla Lagrange, Ga. lito, Hawaii Wallace, Idaho Sioux City, Iowa Louisville, Ky. Banger, Maina | 1000d 5000 1000 1000 500d 500d | WDBC KFEQ | Corbin, Ky. Baltimore, Md. Boston, Mass; Escanaba, Mich. St. Jeseph, Mo. Clevis, N.M. Binghamton, N.Y. | 10000 50000 10000 5000 5000 |
| KVOI KBLU KSFO KLZ | (Kodiak AK Yuma, AZ San Fran., Calif. Denver, Celo. | 5000d 1000 1000 5000 5000 | WRTH V WVLK L WEEL B WJMS II WKZO II | Vood River, IL. exington, Ky oston, Mass, onwood, Mich, alamazoo, Mich. | 1000 5000 5000 5000 5000 | WHEN WDNC KGW P | Bangor, Maine Jackson, Miss. Newark, N.J. Syracuse, N.Y. Durham, N.C. ortland, Oreg. Greensburg, PA | 5000 5000 5000 5000 5000 5000 | WAPA WMPS | Binghamton, N.Y. Rochester, N.Y. Raleigh, N.C. Sylva, N.C. Butler, Pa. San Juan, P.Rico Memphis, Tenn | 250d / 50000 1000 250d 1000 10000 |
| WIND WMIH WGAN WFRE | Chicago, III. Middlesboro, Ky. Portland, Maine Frostburg, Md. Springfield, Macc | 5000 500d 5000 1000d 5000 500d | WROW WROW WCAB F WGTM N KUGN E | naha, Nebr. Albany, N.Y. Lutherfordton, N.C. Wilson, N.C. Lugene, Oreg. | 5000 5000 5000 5000 5000 5000 | WETE I KWFT WVMT WWNR | Cayce, S.C. Knoxville TN Wichita Fails, Tex. Burlington, Vt. Beckley, W.Va. Milwaukee, Wis. | 500d 5000 5000 5000 1000 5000 | KOMW WCAW | | 50000r 5000d 50000r |
| KMON WCKI WGAJ | D Monroe, Mi Duluth, Minn. Springfield, Mo. Great Falls, Mont. Catakili, N.Y. Elizabeth, N.C. Philadelphia, Pa. | 5000 5000 5000 1000 1000 5000 | KLBJ A | Iniontown, PA | 1000 5000r 1000 1000 5000 | M1DB. | 475.9 Albertville, Ala. Thomasville AL uneau AK | 1000d 1000d 1000r | KEVT 1 KBBA I KAPI F WADS | Birmingham AL Tagstaff AZ Tucsen AZ Benton AR Pueblo, Coro. Ansonia, Conn. Jacksonville, Fla. | 50000 1000r 250d 250d 250d 500d 50000 |
| WIS C WHBC KLVI KPQ V | folumbia, SC 1 Memphis, Tenn. 4 Beaumont, Tex. Wenatchee, Wash. Beckley, W.Va. | 5000 5000 5000 5000 5000 | KRKMN | nterprise AL | 1000d 1000 5000r 500d | KVMA KIDD KHOW WMAL WSAV: WNEG | Magnotia AR Monterey, Calif. Denver, Colo. Washington, D.C. Savannah, Ga. Toccoa. Ga | 1000d 1000 5000 5000 5000 5000 | KKUA KBLI B KGGF (WTIX I KTCR M | Henotulu, Hawaii Ilackfoot, Idaho Coffeyville, Kans. Jew Orleans, La. Ilinneapolis, Minn. | 10000 1000d 10000 10000 500d |
| WAAX KCNO KLAC WFSO | Alturas, Cal. Los Angeles, Callf, Pinellas Park, Fla. | 5000r 5000d 5000 500d | WHITCO | dependence, CA edding, Calif. an Diego, Calif. Collins, CO 'Idgeport, Conn. acksonville, FL dar Rapids, Iowa | 1000 5000 1000d 1000 5000 | KIDO E WLAP KTIB T KDWB St. Pa KXOK | Boise, Idaho Lexington, KY hibodaux, La. Minneapolis- aul MN St. Louis. Mo. | 5000 5000 5004 5000r 5000 | KEYR 1 KRCO F KUSD V KHEY I KPET L | ferrytown, Nebr. Prineville, OR Fermillion, S.Dak. El Paso, Tex. amesa, Tex. | 1000d 1000d 1000d 10000 250 5000d |
| WKYX WGMS WVMI | Wayeross, Ga. Agana, GU (Paducah, Ky. Bethesda, Md. Biloxi, MS Las Cruces, N.Mex. New York, N.Y. | 5000 5000 1000 5000 5000r 5000d | W FST CA WCAO B WBDN E | ew Orleans, La. ribou, Maine altimore, Md. scanaba, Mi | 5000d 5000d 1000d | KGVW KOH R KLEA I WIKC I WMFD | Belgrade, Mont. eno, NV Lovington, N.Mex. Hickory, N.C. Wilmington, N.C. Coquille, OR eranton, Pa. | 1000d 5000 500d 1000d 1000 5000d | WNNT V | Fristor, Va. Warsaw, Va. Fisher, W.Va. Pshkosh, Wis. | 10000d / 250d 500d 250d |
| WSYR | Syracuse, N.Y. | 5000 5000 | WCVP N | lispell, MT Jurphy, N.C. Inston-Salem, N.C | 1000d 5. 5000 | WEIL S | eranton, Pa. San Juan, P.R. | 500d 5000 | - | inchorage AK | 1000r |

[□] Abbreviations used in this list: kHz-frequency in kilohertz; MHz-frequency in megahertz; W.P.-power in watts; d-daytime operation only; r-reduced power at night; n-nighttime power; C.L. or Call-call letters or call sign; Chan. or Ch.-TV channel number; †-educational TV station. Wavelength is given in meters. Listing indicates stations on the air as of June 21, 1976.

| U.S. AM STATIONS | S BY FREQUENC | Y | | | | |
|--|--|--|---------------------------------|-----------------------------|--|-------------------------------|
| Call Location W.P. | Call Location W.P. | Call Location | W.P. | Call | Location | W.P. |
| WLW Cincinnati, Ohio 50000 - 710-422.3 | WBBO Forest City, N.C. 1000d KSPI Stillwater, Okla. 250d WAVA Arlington, Va. 1000d | KICY Nome AK KGKO Benton AR KGOE Thousand Oaks, CA KOA Denver, Colo. | 5000 1000d 500 50000 | 910—3 KJJJ Phi KLCN B | 329.5 senix AZ sytheville AR | 5000 5000d |
| WKRG Mobile AL 1000r | 790—379.5 | WRUF Gainesville, Fla. WEAT W. Palm Beach, Fla | 5000 1000 | KAMD (| Camden AR El Cajon, Calif. | 5000r 1000 5000 |
| KERE Denver 0 5000 WGBS Miami, Fla. 50000 WUFF Eastman, Ga. 1000d | WTUG Tuscaloosa AL 1000d KCAM Glennallen AK 5000 KCEE Tucson AZ 5000r | WPTB Statesboro, GA WCUG Cuthbert, Ga. KHLO Hilo, Hawail | 1000 500d 1000 | KOXR O | Vakiand, Cani, Xmard, CA Denver, Colo. New Britain, CT Plant City, Fla. Valdosta, Ga. Caldwell, Ida. | 5000r 5000 5000 |
| WROM Rome, Ga. 1000d KEEL Shreveport, La. 50000 WEPA Eupora, MS 500d WHB Kansas City, Mo. 10000 | KOSY Texarkana AR 1000F KGPD Clovis, CA 500d | KHLO Hilo, Hawaii WIV8 Crysta! Lake, III. KLEU Waterleo IA WHDH Boston, Mass. | 500d 500d 50000 | WPLA I | Plant City, Fla. Valdosta, Ga. | 1000d 5000 1000d |
| WOR New York, N.Y. 50000 WZOO Ashebero, N.C. 1000d | WLBE Leesburg, Fla. 5000 WFUN Mlami, Fla. 5000 | WMAG Forest, Miss. | 1000 10000d 10000d | WAKO I WSUI I KINA S | Lawrenceville, III. owa City, Iowa alina, Kan, laton Rouge, La. | 500d 5000 500d |
| WEGG Rose Hill, N.C. 250d WKJB Mayaguez, PR 5000r WQKI St. Mathews, SC 1000d WTPR Paris, Tenn. 250d | WORL Atlanta, Ga. 5000 WYNE Brunswick, Ga. 5000 | WKIX Raleigh, N.C. | 5000d 10000 10000 | WLCS B WABI B WEDE I | laton Rouge, La. Sangor, Maine Flint, Mich. | 1000 5000 5000 |
| KURV Edinburg, Tex. 250 | KKON Kealekekua, Hawall 5000 KSPD Boise, Idaho 1000d | KRPT Anadarko, Okla. WJAC Johnstown, Pa. WEEU Reading, Pa. | 1000 1000 | WOKK I KOYN I KBIM R | laton Rouge, La. langor, Maine Flint, Mich. Mich. Millings, Mont. loswell, N.M. New City, N.Y. lacksonville, NC linot, N.D. larietta, OH Middletown, Ohlo Miami, Okla. | 5000r 1000d 5000 |
| WQBX Blacksburg, VA 5000d KIRO Seattle, Wash 50000 WDSM Superior, Wis. 5000 | KBRV Soda Springs, Ida. 5000d | WILCD Sports TN | 500 50000d 250d 10000 | WRKL WLAS, I KCJB M | New City, N.Y. lacksonville, NC linot, N.D. | 5000 5000 |
| 720-416.4 KOTZ Kotzebue AK 5000 | KXXX Colby, KS 5000d WAKY Louisville, Ky. 5000 WRUM Rumford, Me. 1000d WSGW Saginaw, Mich. 5000 KGHL Billings, Mont. 1000d | KEYH Houston, TX WRAP Norfolk, Va. KTAC Tacoma, Wash. | 5000 10000 | WBRJ N WPFB 1 KGLC N | larietta, OH Middletown, Ohlo Hiami, Okla. | 5000d 1000 1000 |
| KMAI Agana, GU 10000 KUAI Ficele, HI 5000 | WLSV Wellsville, N.Y. 1000d | 860-348.6 | 0504 | WAVL WGBI S | Brookings, Greg. Apollo, Pa. ieranton, Pa. | 1000d 1000d 1000 |
| KDWN Las Vegas, NV 50000r | WTNC Thomasville, N.C. 1000d KFGO Fargo, N.D. KWIL Albany, Oreg. WAEB Allentown, Pa. 1000 | | 250d 1000d 1000d 1000d | WSBA WPRP WNCG | York, Pa. Ponce, P.R. No. Charleston, S. | 5000 5000 C. 500d |
| 730—410.7 WJMW Athens AL 1000d KSUD West Memphis AR 250d | WPIC Sharon, Pa. 1000d WEAN Providence, R.I. 5000 WWBD Bamberg-Denmark, | KOSE Osceola AR KWRF Warren AR KTRB Modesto, Galif. | 250d 10000 500d | WERG | Spartanburg, S.C. Johnson City, Teni S. Pittsburgh, Ten | n. 5000 |
| WLOR Thomasville, Ga. 5000d | WETR Johnson City, Tenn. 1000d | WAZE Clearwater, Fia. WKKO Cocoa, Fia. WERD Atlanta, Ga. WDMG Douglas, Ga. | 1000 1000d 5000d | KRION | Fredericksburg, Tes AcAllen, TX Sherman TX | 1000 |
| KTRY Bastron, La. 250d | KULF Houston, Tex. 5000 KFYO Lubbock, Tex. 5000 | WGOM Marion, Ind. | 250d 250d 10000r | WENI | alt Lake City, UT White River Jet., Richmond, Va. | Vt. 1000d 5000 |
| WJTO Bath, Maine 1000d WACE Chicopee, Mass. 5000d WVIC F. Lansing, Mich. 500d | WSIG Mount Jackson, Va. 10000 WTAR Norfolk, Va. 5000 KGMI Beilingham, Wash. 5000 | WAYE Baltimore, Md. | 500d 1000d | KORD I | Roanoke, Va. Pasco, Wash. / eattle. Wash. | 1000d 1000d 1000 |
| KWRE Warrenton, Mo. 1000d KWOA Worthington, Minn. 1000d KURL Billings, Mont. 500d KDAZ Abuquerque, N.M. 1000d WDOS Onconts, N.Y. 1000d | KJRB Spokane, Wash. 5000 WEAQ Eau Claire, Wis. 5000 | I White New Illm Minn. | 250d 1000d | KISN V WHSM WDOR | ancouver, Wash. Hayward, Wis. Sturgeon Bay, Wis | 5000 5000d |
| M WEME HAIDSDAFA N.C. 10004 I | 800-374.8 WHOS Decatur AL 10000 | | 250d 1000d 1000d | 920- | | |
| WOHS Shelby, N.C. 1000d WMGS Bowling Green, Ohlo 1000d KBOY Medford, Oreg. 1900d WMAK Nanticoke, Pa. 1000d | KINY Juneau AK 5000 KAGH Crossett AR 2500 | WILL PHIMEIPHIA, FA. | 10000d 1000d | WWWR | Andalusia, AL Russellville AL Soldotna, AK Little Rock AR | 1000d 5000 |
| WPIT Pittsburgh, Pa. 5000d | KVOM Morritton AR 2500 KUZZ Bakersfield, Calif. 2500 KBRN Brighton, Colo. 5000 WLAD Danbury, CT 10000 WRKV Rockville, Conn. 2500 | KPAN Hereford, Tex. KSFA Nacogdoches, Tex. | 250d 250d 1000d 5000 | KARN I KLOC (KDES | Little Rock AR Ceres, Calif. Palm Springs, CA San Luis Obispo, C | 5000 500d 5000r |
| KKDA Grand Prairie, Tex. 500d KSVN Ogden, Utah 1000d | WSSI LARGE FL 1000 | Utah | 1000d 1000d | KVEC S KLMR WTRS | San Luis Obispo, C Lamar, Colo. Dunnellon, Fla. | 5000 500d 1000 |
| WMNA Gretna, Va. 1000d KULE Ephrata, Wash. 1000d WJMT Merrill WI 1000d | WIAT Swainsbero, GA 1000 WKZI Casey, III. 2500 KYIC Inwa City, Inwa 1000 | WOAY Oak Hill, W.Va. WNOV Milwaukee, Wis. | 1000d 250d | W GST W V O H | Lamar, Colo. Dunnellon, Fla. Melbourne FL Atlanta, Ga. Hazelhurst, Ga. | 5000 500d |
| 740—405.2 | WSHO New Orleans, La. 1000 WGCM Lawrence, Mass. 1000 | | 5000d | WBAA | Granite City, III. Metropolis, III. W. Lafayette, Ind Shenandoah, Iowa | . 5000 |
| WBAM Montgomery AL 50000d . KMEO Phoenix AZ 10000d . KBRT Avalen, CA 10000d | KREI Farmington, Mo. 1000 | WWL New Orleans, La. | 5000 50000 10000d | WTCW WBOX KTOC | Whitesburg, Ky. Bogalusa, La. Jonesbore, La. Lexington Park, | 5000d 1000d 1000d |
| KCBS San Francisco, Calif. 50000 KSSS Colorado Springs, Colo. 1000 KVFC Certez, Colo. | WTMR Camden, N.J. 5000 KQCV Oklahoma City, OK KPDQ Portland, Ore. 1000 WCHA Chambersburg, Pa. 1000 | WHOA San Juan, P.R. | 5000d 1000d 5000 250d | WMPL | Hancock, Mich. | 5000 |
| WSBR Boca Raton, Fla. 1000d | WDSC Dillon, S.C. 1000 WEAB Greer, S.C. 250 WDEH Sweetwater, Tenn. 1000 | WFLO Farmville, Va. | 10000 | KORK | Wadena, Minn. W. Yellowstone, Mc Las Vegas, Nev. Reno, Nev. | 9000 |
| WKIS Orlando, Fla. 5000 KYME Boise, Idaho 500d WVLN Olney, IL 250d KBOE Oskatoosa, Iowa 250d | KDDD Dumas, Tex. 250 KBUH Brigham City, Utah 250 WSVS Crewe, Va. 5000 | d KRVN Lexington, NE | 50000 50000 | KQEO | Albuquerque, N.M | ex. 1000 |
| KBOE Oskaiosa, Iowa 250d WNOP Newport, Ky. 1000d WCAS Cambridge, Mass. 250d KBAD Carlsbad No 1000r WGSM Huntington, N.Y. 5000d | KQIN Burlen, Wash. 5000 WKEE Huntington, W.Va. 5000 WDUX Waupaca, Wis. 5000 | d WRRZ Clinton, NC | 1000d 5000d | WGHQ WIRD WBBB | Cortland, N.Y. Kingston, N.Y. Lake Placid, N.Y. Burlington-Graha | n. |
| WMBL Morehead City, N.C. 1000d WPAQ Mount Airy, N.C. 10000d KRMG Tulsa, Okla. 50000 | 810-370.2 KGO San Francisco, Galif. 5000 | 890—336.9 WLS Chicago, III. | 50000 | WPTL | Canton, N.C. Columbus, Ohio Lebanon, Oreg. | 5000d 500d 1000 1000 |
| WYCH Chester, Pa. 1000d WIAC San Juan, P.Rico 10000 WBAW Barnwell, S.C. 1000d | KGO San Francisco, Calif. 5000 KWSR Riffe, Colo. 1800 WBLW Royston, Ga. 250 WATI Indianapolis, Ind. 250 | KBYE Okla. City, Okla. | 1000d | | | 1000 5000 1000d |
| WIRJ Humbott, Tenn. 250d WBGY Tullahoma, TN 250d KTRH Houston, Tex. 50000 | WEKG Jackson KY 100 WYRE Annapolis, Md. 250 | WATV Birmingham AL | 1000q | WLIV KELP | Providence, R.I. Orangeburg, S.C. Rapid City, SD Livingston, Tenn. El Paso, Tex. | 00001 00001 |
| WBCI Williamsburg, Va. 500d WRNR Martinsburg WV 1000d | WSJC Magee, Miss. 5000 WJPW Rockford, Mich. 5000 KCMO Kansas City, Mo. KAFE Santa Fe NM 5000 WGY Schenectady, N.Y. 5000 | KFRB Fairbanks AN | 1000d 10000 1000d | KBZB KTLW KVEL | El Paso, Tex. Odessa TX Texas City, Tex. Vernal, Utah Diympia, WA | 1000r 1000d 5000d |
| WB00 Baraboo, Wis. 250d | WGY Schenectady, N.Y. 5000 WKBC N. Wilkesboro, NC 1000 WCEC Rocky Mount, N.C. 1000 WEDO McKessport, Pa. 1000 WKVM San Juan, P.R. 5000 WKWM San Juan, P.R. 5000 WKWM San Juan, P.R. 5000 WKWM San Jua | KBIF Fresno, Calif. KGRB West Covina, CA WJWL Georgetown, Oel. | 1000d 500d 1000d | KITN C KXLY WMM1 | Dlympia, WA Spokane, Wash. V Fairmont, W.Vs Milwaukee, Wis. | 1000r 5000 . 5000 |
| KFQD Anchorage AK 50000r WSB Atlanta, Ga. 50000 | | WSWN Belle Glade, Fia. WMOP Ocala, Fla. WCRY Macon. Ga. | 1000d 1000d 250d | 1 | -322.4 | . 10000 |
| KMMS Grand Island, Neb. 10000d | WMTS Murfreesboro, TN 5000 | KRUI Wiehita, KS | 5000d 250d 1000d 5000d | KTKN | Gadsden AL Ketchikan AK | 1000d 5000r 1000d |
| KSEO Durant, Okia. 250d KXL Portland, Oreg. 50000d WPDX Clarksburg, W.Va. 1000d | WDMP Dodgeville. Wis. 1006 WYYS Tomahawk, Wi 100 | Dd WFIA Louisville, Ky. Dd WLSI Pikeville, Ky. KREH Oakdale, La. WKXA Brunswick, ME WLMD Laurel, Md. | 250d 1000d 1000d | KHJ L | Oougias AZ Flagstaff AZ os Angeles, Calif. Paradise, CA | 5000d 5000 500d |
| 760-394.5 KFMB San Diego, Cal. 5000 | 820—365.6 WAIT Chleago. III. 500 WIKY Evansville, IN 25 WOSU Columbus, Ohlo 500 WBAP Ft. Worth, Tex. 500 | MATC Gaylord, Mich. | 1000d 1000d | WTHE | Durango, Colo. Milford, Del. Malnes City, Fla | 5000 500d 500d 5000 |
| KGÜ Honolulu, Hawali 10000 WIR Detroit, Mich. 50000 WCPS Tarboro, N.C. 10000 WORA Mayaguez, P.R. 5000 | WOSU Columbus, Ohio 500 WBAP Ft, Worth, Tex. 500 | 00 KISK Columbus, Nebr. | 1000d 1000d 1000d | I WMG | Jacksonville, Fla 7 Sarasota, Fla. R Bainbridge, Ga. | 1000 5000 |
| WORA Mayaguez, P.R. 5000 770—389.4 | 830—361.2 KIKI Honoluiu, Hawaii 100 WCCO Minneapolis-St. Paul. | WAYN Bookingham N.C. | .C. 500d | WHO | Pocatello, Idaho Quincy, III. N Centerville, Ind Bowling Green, | Kv. 1000 |
| KTWG Agana, Guam 10000 KUOM Minneapolis, Minn. 5000d WGAL Northfield, Minn. 5000d | KBOA Kennett, Mo. 100 WNYC New York, N.Y. 100 | 00 WIAM Williamston, N.C. 0d WNYN Canton, Ohio 0d WFRO Fremont, Ohio | 500d 500d | WEE | D Frederick, Md. 3 Holyoke, Mass. (Battle Creek, M | 5000 500d ich. 5000 |
| WEW St. Leuis, Mo. 1000d KOB Albuquerque, N.Mex. 50000 WABC New York, N.Y. 50000 | 840—356.9 | WCPA Clearfield, Pa. | 1000d | WSLI | Jackson, Miss. C. Ponlar Bluff, Mi | 5000 5000 |
| KXA Seattle, Wash. | WMOB Mobile AL 100 WRYM New Britain, Conn. 100 WHAS Louisville, Ky. 500 | 0d KALT Atlanta, Tex. | 500d 1000d 500d | KOGA | Missoula, Mont. Ogallaia, NE Carlsbad, N.M. | 5000d 500 1000d |
| 780—384.4 KNOM Nome AK 10000F WBBM Chicago, IL 5000 | WYPO Stroudsburg, Ps. 25 WXEW Yabucoa, PR 25 | Od KCLW Hamilton, Tex. | 250d | WPAT WBEI | H Rochester, N.H. I Paterson, N.J. N Buffalo, N.Y. I Johnstown, N.Y. | 5000 5000 5000 1000d |
| WJAG Norfolk, Neb. 1000d KCRL Reno, Nev. 50000 WCKB Dunn, N.C. 1000d | 850-352.7 WYDE Birmingham AL 100 | WKDW Staunton, VA KUEN Wenatchee, Wash. WATK Antigo, Wis. | 1000d 250d | WSOC | Charlotte, N.C. Washington, N.C. | |
| | | Co | MARINICA | PATIONS | WORLD/Fall- | Winter 1 |

| | | | | | ~ | 0.3. | AIVI ST | AHON | 3 D T | FREQU | ENC |
|---|--|--|--|--|--|---|---|--|--|--|---|
| Call | Location | W.P. | Call | Location | W.P. | Call | Location | W.P. | Call | Location | W.P. |
| KSWB S WCNR I WEKO (KSDN A WSEV S KDET C KITE T WLLL L KBFW I KQOT Y WGNT I | Elyria, Ohlo kiahoma City, Okia rants Pass, Oreg. Seaside, Ore. Bloomsburg, Pa. Cabe Rojo, PR berden. SD sevierville, Tenn. center, Tex. spreif Hills. Tex. ynchburg, Va. Bellingham, Wash. akima, Wash. Huntinton, Wyo. huburndale, Wis. | 1000 5000 1000d 1000d 5000 5000r 5000d 1000d 5000d 1000d 5000d 1000d 5000d | KLAD WHYL WKZA WATS WBEU KIMP KGKL KAYK WFIR | Enid. Okia. Klamath Falls OR Carlisle. Pa. Kane, Pa. Sayre. Pa. Beeufort. S.C. McMinnville, Ten Mt. Pleasant. Tox. San Angelo, Tex. Provo, UT Roanoke. Va. Richland, Wash. Shawano, Wis. | 5000d 1000d 1000d | WHOOD WDWI WGML WGUN WCAZ WITZ WERK KAYL KRSL WNNR KRIH WCRM | Southington, Co Orlando, Fla. Dawson, Ga. Hinesville, Gs. Atlanta GA Carthage, III. Jasper, Ind. Muncle, Ind. Storm Lake, Io Russell, Kans. New Orleans LA Rayville, La. Clare MI Waynesboro, MI Monett, Mo. Southern Pines, I | 50000 1000d 250d 50000d 1000d 1000d 250d 250d 250d 250d 250d 250d | WRFS WCRI KSOH KBBV KOFY KWSO WJSB WHBO WAUG WMNZ WDZ WDZ WTCA KUPK; | —285.5 Alexander City, / Scottabore AL Little Rock AR Big Bear Lake, (Same Mateo, Calif, Crestview, Fia. Tampa, Fia. Augusta, Ga. Montezuma, Ga. ecatur, III. Plymouth, Ind. Garden City, Kg. Central City, Ky. | 7. 1000 7. 250d 1000d 1000d 250d 5000d 250d 1000d 250d 1000d |
| KINE B WLQH C WINZ WMAZ I WMAZ I WMO D WCND S WJORC H KSMW / WFNC F WFNC F WRAL B KWRC C WGRP C WJWP C | ueson AZ resno. Callf. resno. Callf. rookfield. Conn. hlefland. Fla. liaml, Fla. Wacon, Ga. Walpahu, Hawail ft. Vernon. IL st. Macon, IL st. Lignace, Mich. outh Haven, Mich. outh Haven, Mich. outh Macon, Mich. outh Macon, Mich. outh Mich. out | 1000r 50000 1000d 5000d 50000 10000 10000 0000 | WTBF KIAK KVWM KNEA KGHV KGHV WOZN WFUA WYOA WYOA WYOA WAYOA WAYO WAYO WAYO WA | Hamilton, AL Trov AL Fairbanks AK Fairbanks AK Show Low AZ Joneshoro AR Joneshoro A | 5000d 1000 5000 1000d 5000 5000d | WJEM KRKT WIBG WVSC WPRA WLKW WAKN WAKN KAML KNIN KAML KNIN KOYL WNRV WANT WNNO 1000- WYOY KMLO WRYZ | Gallipolis, Ohlo Massillon, Ohlo Massillon, Ohlo Albany, Oreg, Philadelphia, Ps Somerset, Pa, Mayaguez, P.R. Providence, R.I. Alken, S.C. Knoxville, Tenn Memphis, Tenn, Beaumont, Tex. Kenedy-Karnes (Wichita Falls, T Tocele, Utah Narrows- Pearlsburg, Richmond, Va, Wisconsin Dells, —299.8 Huntsville AL Montgomery AL Vista, Cal. Juniter FI. | 1000d 250d 250d 250d 250d 250d 0.5000 0.5000d 1000 10000d 1000 | KUPI KVPI WMSQY WGAY WPAG KLOH KKIS S WBCV WSCV WSCV WSCV WYBO WFSC WLOF WLO | Lake Providence, villa Platte, LA Oakiand, Md. Silver Spring MD Ann Arbor, Mitch Pipestone, Minn. Columbus, Miss. Ortageville, Moedalia, Mo. Conway, N.H. Peterborough, N.H. Baldwinsville, N. Massena, N.Y. ew York, N.Y. Franklin, N.C. Lincolnton, N.C. Sanford, N.C. inclinant, Ohio awton, Okta. "uisa, Okta. "usa, Okta." usa, Okta." usa, Okta. "usa, Okta." usa, Okta." usa, Okta. "usa, Okta." usa, Okta. | 250d 250d 500d 1000d 250d 1000d 250d 1000d |
| WNRG GWEOO SHWFAW FWCSW S | irundy, Va. nithfield, VA t. Atkinson, Wis. hell Lake, Wis. | 5000 1000d 1000d 1000d 500d 1000 500d | KVEG J WWDJ KDCE E WEBR I WCHN WRCS A WWDAY WREO A KAKC I | Las Vegas. Nev. Hackensaek, NJ Sspanola, N.M. Suffalo, N.Y. Norwich, N.Y. Anoskie, N.C. anton, NC Fargo, N.Dak. Ashtabula, Ohlo Tulsa, Okla. Octland | 500d 5000 1000d 5000 500d 1000d 5000 5000 | WREMS WLMS WXTN KOTD WRNJ WIQT WKBQ WSPF KKIM | Soperton, GA Chicago, 11f. Jenkins, Ky. Leominster, Mass Lexington, Miss Plattsmouth, Neb. Hackettstown, N.J Horseheads, N.Y. Garner, NC Hickory, N.C. Albequerque NM Heath, Ohlo | 50000 1000d 1000d 5000d 250d 1000d 1000d 1000d 5000d 250d | KPXE I KCAS S WGAT I WBRG I WCMS N KBLE S | inway, SC Liberty, Tex. laton, Tex. laton, Tex. sate City, Va. ynchburg, Va. lorfolk, Va. eattle Wa. arkersburg, WV au Claire, Wis. caukauna, Wis. ouglas, WY | 250d 250d 1000d 1000d 5000d 5000d 1000d 1000d 250d 1000r |
| KSHM SC KXJK FO KFSA FO KAHI AL WLOF OI WGTA S WGTA S WGTA S WGTA S WGEA OF | rt Smith AR bburn, Callf, enver, Colo, rlando, Fla, ummerville, Ga, aldosta, Ga, isee ID ofino, Ida, nicago, IL ndianapolis, Ind. lwein, Ia. | 1000 5000 5000d 1000r 5000d 5000 5000 5000d 1000 1000d 1000d 5000d 5000d | WJMX I KIXL AI KBSN C KNOK F WSTX (WYPR I WANY Y KREM S | Sellefonte, Pa. Pittsburgh, Pa. Pittsburgh, Pa. Pittsburgh, Pa. Sellefond, Pa. Finest Pa | 5000 5000 1000d 1000d | WHOM CHARLES WE | | 1000 10000d 250d 250d 1000d 8. 500d 1000d V.1. 1000 50000 | TO60— KUPD T KPAY C KLMO L WRMF T WKNG T WMCL F WJKY M WNOE N WGT N | | 500 10000 10000d 10000r 1000d 250d 250d 1000d 50000r 1000d |
| WAGM PWXLN POWNLN POWNLN POWNLN POWNLN POWNLN POWNLN POWNLN POWNLN PWNN PWNN PWNN PWNN PWNN PWNN PWNN | rarbourville, Ky, resque isle, Maine otomac-Cabin John, Md. ston. Mass. roit. Mich. Louis Park, Minn. attlesburg. Miss. erson City, Mo. slena, MT yard, N.M. yde Park, N.Y. | 5000d 5000 | WXLL B KFWJ L KCAB D KINS EI KEAP F KFWB L KCTY Sa KGLN G WSUB G New LI WRC WA | roton- ondon CN shington, D.C. | 5000d | KYNC Y KLRA L KCHJ D KCMJ P KCMP B WCNU (WBIX J WING T WGUN A WCSI C KSMN I | ampa, Fia. Itianta, GA Olumbus, Ind. Mason City, Iowa | 5000r 1000d 5000d 5000d | WRMB WKKQ H KFIL Pr WKKQ H WJLJ Tu KBUG SI KNLV OI WQWX H WLAB S WCOK S | St. Joseph, Mick West Branch, MI Hibbing, MN ston, Minn. ibbing, MN pelo, MS ringfield MO d, Neb, debane, NC tonroe, N.C. t. Pauls NC parta. N.G. | h. 5000d 1000d 1000d 1000d 1000d 500d 1000d 1000d 1000d 250d 28ve 5000d |
| WYES RO WNCC Ba WPEN PI WBER M WSPA Sp KWAT W WAGG FO KPRC HO KSEL LUI | ubenville, OH seburg, Oreg. Irnesboro, Pa. Illadelphia, Pa. Illadelphia, Ps. Cartanburg, S.C. artanburg, S.C. artenburg, S.C. antertown, S.Dak. ankilin, Tenn, Inlson-Sherman, Tex ustom, Tex. | 500d 1000d 500d 500d 500d 5000 1000 | WTOT M WBOP P WLOD P WKLY H WPGA P WRIP RO KUPI Ide | arianna, Fla. ensacola, Fla. ompano Beach, Fla. artwell, Ga. | 1000d | WMJL N KDLA D WKQT (WSID B WITL L WMIN X KCHI CI KXEN I | idenendence, Kan farion, Ky. e Ridder, La, aryville, La, altimore, Md. insing, Mich, faplewood MN Meridian, Miss, rillicothe, Mo. festus-St. Louis, lewport, N.H. ew York, N.Y. ibermarle, N.C. | 250d 1000d 500d 1000d 5000d 250d 10000 250d - 50000n 250d 50000 | WPHC W KAMA E KHYM G KCLT Lo KRWT W KRSP Sa | erre, SD averly, Tenn, i Paso, TX Imer TX skhart, TX inters TX t Lake City, Utah 280.2 | 0000d 10000d 10000d |
| WERL EAWKAZ CH WKTS SH KMER Ke | ite, Wash, gie River, Wis. I gie River, Wis. I sarieston, W.Va. eboygan, Wis. mmerer, Wyo. 5 | 5000 5000 500d 500d 500d | WKOR SI KMBZ KI KVLV Fa KICA CIC KMIN GT WTRY TT WKLM V WAAA W WONE DE | tecomb. wiss. tarksville, Miss, ansas City, Mo. Ilon, Nev. ivis N. Mex. ants. N. Mex. oy. N.Y. Vilmington, N.C. ivton, Ohlo | 50 0 0 1000d 1000d 5000 5000d 1000 1000d 5000 1000d 5000d | WELS K WIOI NO WHIN G WORM S KOJW A KODA H KKIK W WELK O | Black Mountain, N.C. Inston, N.C. W Boston, Ohio aliatin, Tenn. iavannah, Tenn. marillo, Tex. buston TX aco-Marlin, TX hariottesville, VA | 1000d 50000d 1000d 1000d 1000d 250d 5000 5000 | KILR Est KFDI WI KHMO H KERR Pol WKMB S WKDR P WSCP Sas | Angeles, Calif. Illahassee, FL Isanapolis, Ind. herville, Iowa chita, Kans. annibal, Mo. son, MT irling, NJ attesburg, N.Y. rdy Creek-Pulaski eenville, N.C. | 10000d 50000 250d 10000 5000 25000r 250d 5000d |
| WGRO Lai WJCM Seb WJAZ Atl KSRA Sair WDLM E. WSBT Sob KMA Sher WPRT Pre KROF Abb WBOC Sai | ke City. Fia. Iring. Fia. I any, Ga. 5 hens, Ga. mon. Idaho I Molins, III. ith Bend, Ind. nandoah, Iowa istonsburg, Ky. 5 leville, La, III sbury. Md. | 590 5900 5000 5000d 5000d 000d 5000 000d 5000 5000 000d 5000 | WAZS SII WYCL YO KDSJ Dei WSIX Na: KFRD RO KVRN Son KSCV RIC WFHG BI WMEK CI KUTI YAK WHAW W WCUB ME WCUB ME | mmerville. S.C. rk. S.C. kdwood, S.Dak. shville, Tenn. senberg-Richmond. ora TX. chfield, Utah istol. Va. ima. Wash. eston, W.Va. nitowoc, Wis. k Falls Wis | 5000 1000d 1000d 1000 5000 1000d 1000d 5000d 5000d 5000d 5000d 1000d 1000d | WCST BOWSPT ST | ortsmouth-Norfol orkeley Sprgs., W. I tevens Pt., Wis. 293.9 os Angeles, Calif. rbondale, Ili. sorla, IL swell, NM litsburgh, Pa. | VA 5000 Va. 250d 1000d | WKOK 8. WMIA AT WHYZ GR WFLI Loc Chattano WDIA Me KOPY AI KNNN FR KENR Ho WINA Cha WCIR Bee | kout Mountain- oga, TN mphis, Tenn. ce, Tex. ona, Tex. uston, Tex. iriottesville, Va. kley, W.Va. dison, Wisc. | 1000d, 10000 500 50000d 50000r \50000 1000 250d 10000 5000 10000 |
| WHAK RO KLTF Litt WABG Gre KFVS Cap KFLN Bak KNEB Scot | endurg, Mass, ders City, Mich, 5 (le Falls, Minn, lenwood, Miss, e Girardeau, Mo, e er, Mont, ctsbiuff-Gering, NE rminton, N.Mex, fishurg, N.Y. | 1000 0004 500d 1000 5000 000d | 990—30 WEIS Cent WWWF F: WICB FIO | ilrie du Chien, Wis. 12.8 tre AL ayette AL maton AL son AZ sour AZ tre Barbara CA | 250d 1000d 500d 500d 5000 5000 5000 | WBZ BOS KCTA CO KANC An WKZE Sa KTWO CS | ton, Mass. rpus Christi, Tex. chorage, AK n Juan, PR sper, WY 288.3 molulu, Hawaii Moines, Inwa | 50000 50000d 10,000 10,000 50000 50000 1000d | WKAC Atl KANC And KSCO San WTIC Har WVCG Cor WFIV Kis | sens AL 5 horage, AK ta Cruz, Calif. tford, Conn. al Gables, Fla. simmee, Fla. St. Joe, Fla. | 0 0 0 0 d 1 0 0 0 0 1 0 0 0 0 5 0 0 0 0 5 0 0 0 0 1 0 0 0 d 1 0 0 0 d 1 0 0 0 d 1 0 0 0 d 1 0 0 0 d 5 0 0 0 d |

| U.S. AM STATION | S B1 FREQUEIO | | |
|---|--|---|--|
| Call Location W.P. | Call Location W.P. | Call Location W.P. | Call Location W.P. |
| KOAK Red Oak, lows 250d | WITP Newland, NC 1000d | WLKE Waupun, Wis. 1000d | KPRL Paso Robies, CA 1000r KRDG Redding CA 1000r |
| WKLO Louisville, Ky. 10000 WOAP Owosso, Mich. 1000d WECP Carthage, Miss. 250d | WCTM Eaton OH WASP Brownsville PA 5000d WEEO Waynesboro PA 1000d | 1180254.1 | KWG Stockton, CA 1000r KEXO Grand Junction, Colo. 1000 KBRR Leadville, Colo. 1000 |
| KYMN Northfield MN 1000d KGCL East Prairie, Mo. 250d | WAMG Gailatin, Tenn. 250d WDTM Seimer, Tenn. 250d | WLDS Jacksonville, III. 1000d KOFI Kallspell, Mont. 50000 | KD7A Pushio, Golo, 1000 I |
| WUFO Amherst, N.Y. 1000d | KRGM Memonis, lex. 10000 1 | WHAM Rochester, N.Y. 50000 | KGEK Sterling, Colo. 1000d WINF Manchester, Conn. 1000 WGGG Galnesville, Fla. 1000 |
| WEWO Laurinburg, N.C. 5000d WKGX Lenoir NC 1000d WWDR Murfreesboro, N.C. 1000d | WRRL Rainelle, WV 1000d WISN Milwaukee, Wis. 50000 | 1190-252.0 WAYD Ozark AL 1000d | WONN Lakeland. Fla. 1000 WMAF Madison FL 1000r |
| KNDK Langdon, N.D. 1000d WMVR Sidney, O. 250d | 1140—263.0 | KRDS Tolleson AZ 250 KMCW Augusta AR 250d | WSBB New Smyrna Bch., Florida 1000 WNVY Pensacola, Fla. 1000 |
| WWD Millesson N.D. 1000d WMVR Sidney. 0. 250d KWJJ Portland, 0res. 5000d WEEP Pittsburgh, Pa. 5000d WLEY Cayey, P.R. 250 KRLD Dallas, Tex. 50000 | KRAK Sacramento, Calif. 50000 KVLI Lake Isabelia CA 500d | KEZY Anahelm, CA 5000r KNBA Vallelo CA 1000d | WCNH Quincy, Fla. 1000d WIND West Palm Beach FL 1000r |
| KRLD Dailas, Tex. 50000 WKBY Chatham, Va. 1000d | KNAB Burlington, Colo. 1000d WQBA Miami, Fla. 10000 KGEM Boise, Idaho 10000 WSIV Pekin, III. 5000d | WAVS Ft. Lauderdale FL 8000d WHHL Pine Castle-Sky Lake. | WBIA Augusta GA 1000r WBLJ Dalton, Ga. 1000 |
| WZTQ Hurricane, WV | WAWK Kendaliville, Ind. 2500 | FL 250d | WXLI Dublin, Ga. 1000 WFOM Marietta, Ga. 1000 WSOK Savannah, Ga. 1000 WAYX Wayeross, Ga. 1000 |
| 1.090-275.1 KAAY Little Rock AR 50000 | KNEI Waukon, Iowa 1000d WKCM Hawesville KY 500d KBIL Liberty, Mo. 500d | WGKA Atlanta, Ga. 1000d WOWO Ft. Wayne, Ind. 50000 WANN Annapolis, Md. 10000d WKOX Fram'gham. Mass. 1000d | |
| KNCR Fortuna, Cal. 10000d KAAT Denver CO 50000d | WAKK McComb, MS 500 KPWB Piedmont, Mo. 1000d | WPUP Bay St. Louis MS 5000d KHAD Desoto, Mo. 1000d | KORT Grangeville, Ida, 1000 KRXK Rexburg, Idaho 1000 WJBC Bloomington, III. 1000 |
| WCMG Jacksonville, FL WTBJ Monticello, FL 1000d | KLUC Las Vegas, Nev. 10000d WCJW Warsaw, NY 1000d WCLW Mansfield, Ohio 250d | KWMB Wabasha, MN 1000d KAYO Kansas City MO 1000d KPAR Albuquerque, N. M. 1000d | WQUA Moline, III. 1000 WHCO Sparta, IL 1000 |
| WCRA Effingham, III. 1000d WGI C Mendota, III. 250d | WCLW Mansheld, Ohio 250d KLPR Oklahoma City, Okla. 1009d WBZY New Castle, Pa, 5000d | WLIB New York, NY 10000 WSML Graham, N.C. 500d | WJOB Hammond, Ind. 1000 WSAL Logansport, Ind. 1000 WTCJ Tell City, Ind. 1000 |
| KHAI Honolulu, Hawali 5000 WFWR Fort Wayne, Ind. 1000d KVDB Sloux Center, Iowa 500d | WQII San Juan, P.R. 10000 KSOO Sioux Falls, S.Dak. 10000 WIXC Fayetteville, Tenn. 1000 | | WBOW Terre Haute, IN 1000d |
| KNWS Waterloo, lowa 10000 1 | KBUY Fort Worth, Tex. 50000 KORC Mineral Wells, Tex. 250d | WRAI Rio Piedras, P.R. 500 WBMJ San Juan, P.R. 1000C KOKK Huron, SD 500d | WHIR Danville, Ky. 1000d WHOP Hopkinsville, Ky. 1000 WAND Pineville KY 1000r |
| WBAL Baltimore, Md. 50000 | WRVA Richmond, Va. 50000 | KOKK Huron, SD 500d KLIF Dallas, Tex. 50000 WAMB Donelson, Tenn. 250d WHMT Humboldt TN 500d | WROK New Orleans LA 1000r |
| WMUS Muskegon, Mich. 1000d Wijd Garden City, Mich. 250d KEXS Excelsion Springs. | 1150-260.7 / WGEA Geneva AL 10006 | | WBME Belfast, Me. 250 |
| | WJRD Tuscaloosa AL 5000r | 1200-249.9 WOAI San Antonio, Tex. 50000 | WQDY Calals ME 1000r WSJR Madawaska, 'Me. 1000 WITH Baltimore, Md. 1000d |
| KBOZ Bozeman, MT 5000 WKTE King, N.C. 1000d WBZB Selma-Smithfleld, NC | KXLH North Little Hock AR 5090r | 1210—247.8 | WCMD Cumberland, MD WMNB No. Adams, Mass. 1000d |
| KTGO Tioga, N.D. 250d | KIIS Los Angeles CA 5000r KBAI Morro Bay, CA 500d KPLS Santa Rosa, Calif. 5000 | KZOO Honolulu, Hawaii 1000 | WESX Salem, Mass, 1000 WNEB Worcester, Mass, 1000 WCUZ Grand Rapids MI 1000 |
| WRSG San German, P.K. 250 | KWBZ Englewood, CO 5000d WCNX Migaietown, Conn. 1000d | WILY Centralia, III. 1000d WKNX Saginaw, Mich. 10000d WADE Wadesboro, N.C. 1000d | WIKB Iron River, Mich. 1000d |
| WMIY GENEROUS SC. SOUD WKSP Kingstree, S.C. SOUD WENR Englewood, Tenn. 1000d WJKM Hartsville, Tenn. 250d WGOC Kingsport TN 1000d | WDEL Wilmington, Del. 5000 WNDB Daytona Beh., Fla. 1000 WTMP Tampa, Fla. 5000d WFPM Fort Valley, Ga. 1000d | WAVI Dayton, Ohio 250d KGYN Guymon, Okla, 10000 | WS00 Sit. Ste. Marie, Mich. 1000 WSTR Sturgis, Mich. 1000 WKLK Cloquet, Minn. 1000 KGHS Internat'i Falls, Minn. 250 |
| | WIEW VAIDOSIA, GA. 10004 | WCAU Philadelphia, Pa. 50000 WHOY Salinas, PR 1000 | KYSM Mankato, Minn. |
| KKYN Plainview, TX 1000d KANN Ogden, Utah 1000d KING Seattle, Wash. 50000 WISS Berlin, Wis. 500d | WGGH Marion, 111. 5000d WYFE Rocktord, 111. 1000d KKUZ Burlington, 10wa 500d | 1220-245.8 | KMRS Morris, Minn. 1000 KTRF Thief Riv. Falls. Minn. 1000 |
| WISS Berlin, Wis. 500d | KWKY Des Moines, Iowa 1000 KSAI Salina, Kans. 5000 | WBUL Birmingham AL 1000d WABF Fairhope AL 1000d | KWNO Winona, Mina. 1000d WHII Bay Spring, MS 1000d |
| 1100—272.6 | WMST Mt. Sterling, Ky. 500d WLOC Munfordville, Ky. 1000d WJBO Baton Rouge, La. 5000 WSKW Skowhegan, ME 5000 | KVSA McGehee AR 1000d KLIP Fowler, Callf. 250d KIBE Pale Alto, Cal. 5000d KKAR Pomona, Callf. 250d | KWNU WINDAL, MINN. 1000d WHIS Bay Spring, MS 1000d WCMA Corinth, Miss. 1000 WHSY Hattlesburg, Miss. 1000 WSSO Starkville, Miss. 1000 WAZF Yazoo City, Miss. 1000 KODE Jeplin, Mo. 1000 |
| KFAX San Francisco, Calif. 50000d KREX Grand Junction, Colo. | | M FSC DANVAR, COID. 10000 | WAZF Yazoo City, Miss. 1000 KODE Jontin, Mo. 1000 |
| WHII Hempstead, N.Y. 10000d | WCEN Mt. Pleasant, Mich. 1000 KASM Albany, Minn. 1000d KRMS Osage Beach, Mc. 1000d | WCDQ Hamden, Conn. 1000d WKTZ Arlington FL 5000d WACY Kissimmee FL 1000d | KWIX Moberly, Mo. 1000d |
| WWWE Cleveland OH 50000 WGPA Bethlehem, Pa, 250d | KSEN Shelby, Mont. 5000 KDEF Albuquerque, N. M. 5000 | WCMQ Miami, FL 2000 WQSA Sarasota, FL 1000d | KHDN Hardin, Mont. 1000 |
| 1110—270.1 | WRIIN IIties N.Y. DUUU | WCLB Camilla, Ga. 1000d WPLK Rockmart, Ga. 500d WSFT Thomaston, Ga. 250d | KLCB Libby, Mont. 1000 KTNC Falls City, NE 500r |
| WBCA Bay Minette AL 10000d WBIB Centreville AL 10000d | WCUE Cuyahoga Falls, Ohlo | WIPO I agaile III. IUMIO | KHAS Hastings, Neb. 1000 KELY Ely, Nev. 250 KLAV Las Vegas, Nev. 1000 |
| KAKA Dermott AR 10,000d KIGI Pasadena, CA KPOP Roseville, Cal. 500 | WIMA Lima, Ohio 1000 KNED McAlester, Okia. 1000 | WSLM Salem, Ind. 5000d KJAN Atlantic, lowa 250d | WMOU Berlin, N.H. 1000 |
| WQYK Tampa FL 10000d WEBS Calhoun. Ga. 250d | KAGO Klamath Falls, Oreg. 5000 KKEY Portland, Ore. 5000d WHON Huntingdon, Pa. 5000d | KOUR Independence, Iowa 250d KOFO Ottawa, Kans. 250d WFKN Franklin, Ky. 250d | WTSV Claremont, N.H. 1000 WCMC Wildwood, N.J. 1000 KALG Alamagordo, N.M. 1000 |
| WMBI Chicago, III. 5000d WHYT Noblesville, IN 500d | WYNS Lehighton, Pa. 1000d WKPA New Kensington, Pa. | WEQO Whitley City KY 500 KBCL Shreveport, La. 250d | KOTS Deming NM 1000 KYVA Gallup, N.Mex. 1000 |
| WCBR Richmond KY 250d | WDIX Orangeburg, S.C. 5000 WTYC Rock HIII, S.C. 1000d WSNW Seneca, S.C. 1000d | Wems Sanford Mains 1000d | KIUN Las vegas, re.m. |
| KPAL Pineville, LA 500d WGRG Pittsfield, MA 1000d WUNN Mason, Mich. 250d | WSNW Seneca, S.C. 1000d KIMM Rapid City, S.Dak. 5000d | WAYN Stillwater, Minn. 5000d | WENY Elmira, N.Y. 1000 WIGS Gouverneur, N.Y. 1000 |
| WIML Petoskey, Mich. 10000d WKRA Holly Springs, Miss., 1000d KFAB Omaha, Nebr. 50000 | KIMM Rapid City, S.Dak. 5000d WGOW Chattanooga, Tenn. 5000 WCRK Morristown, Tenn. 1000 WTAW College Station | KRHM Branson Mo. 1000d | WHUC Hudson, N.Y. 1000 WLFH Little Falls, N.Y. 1000 WFAS White Plains, N.Y. 1000 |
| KCIA Humble City, NM 1000d WVNH Salem, NH - 5000d | KCCT Corpus Christi, Tex. 1000d | KLPW Union, Mo. 1000d WLBK Keene, N.H. 1000d WGNY Newburgh, N.Y. 5000d | WSKY Asheville, N.C. 1000 WFAI Favetteville, N.C. 1000 |
| WSFW Seneca Falls, N.Y. 1000 WTBQ Warwick NY 250d WBT Charlotte, N.C. 50000 | KCCT Corpus Christi, Tex. 1000d KISO El Paso, TX 1000d KVIL Highland Park, Tex. 1000d KJBC Midland, Tex. 1000d KSUZ Port Neches, TX 500d | WGNY Newburgh, N.Y. 5000d WKMT Kings Mtn, N.C. 1000d WKMT Kings Mtn, N.C. 1000d WREV Reldsville, NC. 1000d | WMFR High Point, N.C. 1000 WISP Kinston, N.C. 1000 WNNC Newton, N.C. 1000 WCBT Roanoke Rap., N.C. 1000 |
| WBT Charlotte, N.C. 50000 WELX Xenla, Ohlo 250d KEOR Atoka, Okla. 5000d KBND Bend, Oreg. 10000 | KSUZ Port Neches, TX 500d KOLJ Quanah, Tex. 500d | WENC Whiteville, N.C. 5000d KDDR Oakes, ND 1000d | 'KDIX Dickinson, N.D. 1000 I |
| WISM Martinsburg, Pa. 1000d WNAR Norristown, PA. 50000d | KSUZ Port Neches, IX 5000 KQLJ Quanah, Tex. 5000 KQAM San Antonio, TX 10000 KPUL Puilman, Wash. 5000 WABH Deerfield, Va. 10000 WELC Weich, W.Va. / 10000 WYNE Appieton, Wisc. 1000 WAXX Chippewa Falls, Wis. | KDDR Oakes, ND 1000d WGAR Cleveland, Ohlo 50000 WERT Van Wert, Ohlo 250d KRMC Midwest City OK | WUBE Cincinnati, 0. 1600 WCOL Columbus, Ohio 1000 |
| WJSM Martinsburg, Pa. 1000d WNAR Norristown, PA. 50000d WVJP Caguas, P.R. 250 WHIM Providence, R.I. 1000d WSLV Ardmore, Tenn. 1000d | WABH Deerfield, Va. 1000d WELC Welch, W.Va. 1000d | KRMC Midwest City OK KBLY Gold Beach, Oreg. 1000d KCCS Salem OR 1000d | KADA Ada. Okia. 1000 |
| | WYNE Appleton, Wisc. 1000 WAXX Chippewa Falls, Wis. | KCCS Salem OR 1000d WJUN Mexico, Pa. 1000d WJUN Mexico, Pa. 1000d WFWL Providence, R.I. 1000d WFWL Camden, Tenn. 250d WCPH Etowah, Tenn. 1000d KZEE Weatherford TX KVLL Woodville, Tex. 250d WUSD Big Stone Gan Va. 1000d | I KVAS ASTORIE, Ure. |
| KDRY Alamo Heights, Tex. 1000d WZAM Norfolk VA 50,000 | 1160-258.5 | WCPH Etowah, Tenn. 1000d KZEE Weatherford TX 500d | |
| 1120-267.7 | WJJD Chicago, III, 7 50000d WBQN Barceloneta PR 1000 KSL Salt Lake City, Utah 50000 | KVLL Woodville, Tex. 250d WLSD Big Stone Gap, Va. 1000d WFAX Falls Church, Va. 5000d KASY Auburn, Wash. 250d | KYJC Medford, Oreg. 1000 KQIK Lakeview, Ore, 1000 |
| WUST Washington DC 1000d KMOX St. Louis, Mo. 50000 WWOL Buffalo, N.Y. 1000d | | KASY Auburn, Wash. 250d | WBVP Beaver Falls, Pa. 1000 WEEX Easton, Pa. 1000 |
| KPNW Eugene, OR 50000 KCLE Cleburne, Tex. 250d | 1170—256.3 WCOV Montgomery AL 10000r | 1230—243.8 | WKBO Harrisburg, Pa. 1000 WCRO Johnstown, Pa. 1000 WBPZ Lock Haven, Pa. 1000 |
| WVUV Leone, Am. Samoa 10000 | KJNP North Pole AK 50000 KCBQ San Diego, CA 50000r KLOK San Jose, CA 50000r KUAD Windsor, Colo. 1000d | WAUD Auburn AL 1000r WJBB Haleyville AL 1000r WBHP Huntsville AL 1000r | WTIV Titusville, Pa. 1000 |
| 1130-265.3 KRDU Dinuba, Calif. 1000 | KUAD Windsor, Colo. 1000d WSNE Cumming. Ga. 1000d | WHOD Jackson, AL 1000r WNUZ Talladega AL 1000r | |
| KSOO San Diego, Cal. 50000 | KOHO Honolulu, Hawali 5000 | WHOD Jackson, AL 1000r WNUZ Talladega AL 1000r WTBC Tulscaloss AL 1000r KIFW Sitka AK 250 KSUM Bisbee, AZ 1000r | WNOK Columbia, S.C. 1000 WOLS Florence, S.C. 1000 KISD Sloux Fa'ls, S.Dak, 1000 |
| WNRI Garnesville, GA 100606 | KQKI Bayou Vista, LA 250d KSTT Davenport, lowa 1000 WVLC Orleans, Mass. 1000d | KRIZ Phoenix AZ 1000r | WAKI McMinnville, Tenn. 1000 WMLR Hohenwald, TN 1000r |
| WMGA Moultrie, Ga. 10000 KLEI Kailua, Hawaii 10000 WWCM Brazil, Ind. 500d KKSI Mt. Pleasant, IA | KOWO Waseca, MN 1000 KJAS Jackson MO 250d | KATO Safford AZ | KSIX Corpus Christi, Tex. 1000 KDLK Del Rio, Tex. 250 KNUZ Houston. Tex. 1000 |
| KLEY Wellington, Kan. 2500 KWKH Spreyeport. La. 50000 | WLBM MARTOON, IL 300000 KQKI Bayou Vista, LA 250d KSTT Davenport, lowa 1000 WVLC Orleans, Mass. 10000 KOWO Waseca, MN 1000 KJAS Jaekson MO 250d WCLN Clinton, NC 10000d KFNW Fargo, ND 10000d WHLW Lakewood, N.J. 50000 WRLW Search 18 NO. | KEPW Fort Smith AR 1000r | KERV Kerryille, Tex. 1000 KLVT Levelland, Tex. 1000 |
| WCAR Detroit, Mich. 50000 WDGY Minneapolis, Minn. 50000 | WWLE Cornwall, N.Y. 1000d | KGEE Bakersfield, CA 1000r | KEEE Nacogdoches, Tex. 1000 KOZA Odessa, Tex. 1000 |
| WGUF Gulfport, MS | WMVI Mechanicville, N.Y. 250d KVOO Tulsa, Okla. 50000 WLEO Ponce, P.R. 250 | | KGRO Pampa, Tex. 1000 KSFY Seymour, TX 1000 KSST Sulphur Sprgs., Tex. 1000 |
| WNEW New York, N.Y. 50000 WPYB Benson, N.C. 1000d WCBX Eden, N.C. 1000d | WLEO Ponce, P.R. 250 KPUG Bellingham, Wash, 5000 WWVA Wheeling, W.Va. 50000 | KXO El Centro, CA 1000r KDAC Fort Bragg, CA 1000r KGFJ Los Angeles, CA 1000r | KSFY Seymour, TX KSST Sulphur Sprgs., Tex. 1000 KWTX Waso, Sprgs., Tex. 1000 KOAL Price, Utah 1000 |
| | | | |

| | † | U.S. AIN STATIONS | BY FREQUENCY |
|--|--|---|--|
| Call Location W.P. | Call Location W.P. | Call Location W.P. | Call Location W.P. |
| WJOY Burlington, Vt. 1000 WBBI Abingdon, Va. 1000 WCDT Brooknesi, Va. 1000 WYFVA Fredericksburg, Va. 1000 WFVA Fredericksburg, Va. 1000 KOZI Chelan, Wash. 1000 KSPO Sookane, Wash. 1000 KREW Sunnyside, Wash. 1000 WLOG Logan, W.Va. 1000 WKOG Parkersburg WV 1000 WKOG Janesville, Wis. 1000 WKOG Janesville, Wis. 1000 WCO Janesville, Wis. 1000 WCO Janesville, Wis. 1000 WCO Janesville, Wis. 1000 WCO Gasper WY 1000 WYCO Wausau, Wis. 1000 WYCO Wausau, Wis. 1000 WYCO Wausau, Wis. 1000 WYCO Wausau, Wis. 1000 WYCO Wateria AL 1000r WPRN Butler AL 1000r WPRN Butler AL 1000r WOWL Florence AL 1000r WOWL Florence AL 1000r WOWL Florence AL 1000r KYPC Carkadejphia, AR 250 KTLO Mountain Home AR 1000r KWAK Stuttgart AR 1000r KWAK Stuttgart AR 1000r KWAK Stuttgart AR 1000r KRON San Benadino, CA 1000r KRON San Benadino, CA 1000r KRON San Benadino, CA 1000r KSON San Diego CA, 1000r KSON San Benadino, CA 1000r WSON San Benadin | ## WDXY Sumter, S.C. 1000 ## KCCR Plerre, S.D. 1000 ## KCCR Raymondville, Tex. 1000 ## KCCR Alpine, Tex. 1000 ## KLEAN Brownwood, Tex. 1000 ## KCAN Brownwood, Tex. 1000 ## KCAN Brownwood, Tex. 1000 ## KCAN KOCA Kilgore, Tex. 1000 ## KCOX KROX Raymondville, Tex. 1000 ## KSOX Raymondville, Tex. 1000 ## WSKI Montpeller, Vt. 1000 ## WSKI Montpeller, Vt. 1000 ## WSOX Petersburg, Va. 1000 ## WOV Broanoke, Va. 1000 ## WOV Bluefield, W.Va. 1000 ## WOV | Variable Variable | ## Call Location W.P. WONW Deflance, Ohlo 1000 WLMJ Jackson, Ohlo 1000 KLDO Poteau, Okh. 1000 KLDO Poteau, Okh. 1000 WEST Bewick, Pa. 1000 WHYR Bewick, Pa. 1000 WYST Haw Castle, Pa. 1000 WKST Naw Castle, Pa. 1000 WKST Naw Castle, Pa. 1000 WKST Naw Castle, Pa. 1000 WANS Anderson, S.C. 5000 WCMN A Metalle, Pa. 1000 WNDY Mullins, B.C. 5000 WNDY Mullins, B.C. 5000 WNDY MULLIN, Tenn. 1000d KNIT Abliene, Tex. 500d KKTX Brenham, TX 1000d KKTX Brenham, TX 1000d KKUW Gearsail, Tex. 500d KVWG Pearsail, Tex. 500d KVWG Pearsail, Tex. 500d KWMS Sait Lake City, UT WTYX Appomattox, VA 1000d KUDY Spokane, Wash. 5000 KMAS Shelton, Wash. 5000 KIT Yakima, Wash. 5000 WNAM Neenah, Wis. 5000 KIT Yakima, Wash. 5000 KUDA Siloam Springs, AR 5000d WTMC Ocala, Fis. 5000d WTMC Ocal |
| WGBB Freeport, N.Y. 1000 WGVA Geneva, N.Y. 1000 WJTN Jamestown, N.Y. 500 WJOS Liberty, N.Y. 1000 WNBZ Saranae Lake, N.Y. 1000 WWWD Schnectady, N.Y. 1000 WWWD Schnectady, N.Y. 1000 WHOFF Brevard, N.C. 1000 WJNC Tharlotte, N.C. 1000 WJNC Jacksonville, N.C. 1000 | WCRT Birmingham AL 5000d KSUN Bishee AZ 250 KFIN Casa Grande AZ 1000d KCCB Corning AR 1000d KGL San Fernando, Calif. 5000 KGL San Fernando, Calif. 5000 KYA San Francisco, Calif. 5000 WCAT Birmingham, Ala. 5000d WMMM Wostport, Conn. 5000d WMMM Wostport, Conn. 5000d WMMM Wostport, Conn. 5000d WWNTK Newark, Del. 5000 WWTFW Fort Waiton Beach, WWOK Miami, Fla Florida 5000 WVFF Wort Washington, Dec. 5000 WVFF Wort Waiton Beach, 5000d WYFW Fort Waiton Beach, 5000d WWFF Baxley, Ga. 5000d WJH East Point, Ga. 5000d KWEL Wolser, Ida. 5000d | 1280—234.2 WPID Piedmont AL 1000d WNPT Tuscaloosa AL 5000r KHEP Phoenix AZ 1000d KNBY Newport AR 1000d KFYV Arroyo Grande CA 1000 KFOX Long Beach, Callf, 1000 KJOY Stockton, Callf, 1000 KJCK Denver, Coll, 5000 WSFD Seaford DE WGTX De Funlak Springs, WEXI Jacksonville, FL WIPC Lake Wales, Fla. 1000d WYND Sarasota, Fla. 5000d WYND Sarasota, Fla. 5000d WYND Sarasota, Fla. 5000d WIBB Macon, Ga. 5000d WIBB Macon, Ga. 5000d WIBB Macon, Ga. 5000d WIRT Indianapolis, IN KCOB Newton, lowa KSOK Arkansas, City, Kans. 1000 WCPM Cumberland, KY 1000d WIXI Lancaster, Ky, 1000d WIXI Lancaster, Ky, 1000d WGSO New Orleans LA 5000 KWCLO ak Grove, La. 1000d WABK Gardiner, Me. 5000 | 1300—230.6 WBSA Boaz, AL WTLS Tallassee, AL 1000d WEZQ Winfield AL KHAC Window Rock AZ 1000d KKOK Searey, AR 1000d KROP Brawley, CA 1000d KYNO Fresno, Calif. 5000 KYNO Fresno, Calif. 5000 KVFR Mendocino CA 5000r KVOR Colorade Springs, Colo. WAVZ New Haven, Conn. WRKT Cocoa Beach, Fla. WSOL Tampa, Fla. WSOL Tampa, Fla. WSOL Tampa, Fla. WSOL Tampa, Fla. WMTM Moultrie, Ga. 5000d WNEA Newnan, Ga. WIMO Winder, Ga. 1000d KOZE Lewiston, Idaho WTAQ La Grange, III. 5000 WFRX W. Frankfort, III. 5000 WFRX W. Frankfort, III. 5000 WHAC Terre Haute, Ind. 5000 WAAC Terre Haute, Ind. 5000 WAAC Terre Haute, Ind. 5000 WHAC Mason City, Iowa WBLG Lexington, Ky. 1000 WFLO Shreveport, LA 5000 KFLO Shreveport, LA 5000 KFS Battlmore, MD |
| KOEN Roseburg, Ore. 1000 WETA Altone Per 1000 | WNOE Indianapolis IN 5000 KFGQ Boone, Iowa 1000d KWHK Hutchinson, Kans. 1000 WAIL Baton Rouge, La. 1000d WEZE Boston, Mass. 5000 WEZE Boston, Mass. 5000 WALM Alblon, Mich. 5000 WBL Holland, Mich. 5000 KROX Crookston, Minn. 1000 WGVM Greenville, Miss. 5000d WGVM Greenville, Miss. 5000d WGVM Greenville, Miss. 5000d WGVM Greenville, Miss. 5000d WGSL Aurel, Miss. 5000d WGSA Ripley, Miss. 5000d WGDA Ripley, Miss. 5000d | WFYC Aima, Mich. 5000d WWYC Aima, Mich. 5000 WWYC Minneapolis, Minn. 5000 KV0X Meorhead, Minn. 1000 KDKD Cilnton, Mo. 1000d KYRO Potosi MO KYRO Potosi MO KV0V Henderson—Las Vegas, NV 5000d KRZE Farmington, N.Mex. 5000d WADO New York, N.Y. 5000 WROC Rochester, N.Y. 5000 WSAT Salisbury, N.C. 1000 WYAL Scotland Neck, N.C. 5000d | WCTN Potomac-Cabin John MD WJDA Quincy, Mass. 1000d WOOD Grand Rapids, Mich. 5000 WKPM Princeton, Minn. 1000d WRBC Jackson, Miss. 5000 KMMO Marshall Me. 1000d KBRL McCook, NE 5000d KPTL Carson City, NV 5000r WPNH Plymouth, NH 1000d WTNI Trenton NJ 5000d WTNI Trenton NJ 1000d WXRL Lancaster, NY 1000d WXRL Lancaster, NY 1000d WXRK Spring Valley, N.Y, 5000 WYNG Goldsboro, N.C. 1000d WLNC Laurinburg, N.C. 500d |

| U.S. AM | STATIONS | BY | FREQUENCY |
|---------|----------|----|-----------|
|---------|----------|----|-----------|

| U.S. AM STATION | NS BY FREQUENCY | | |
|--|--|--|--|
| Call Location W.P. | Call Location W.P. | Call Location W.P. | Call Location W.P. |
| WSYD Mt. Alry, N.C. 5000 WERE Cleveland, Ohio 5000 | WKPQ Pittsburgh PA 5000 | KSEK Pittsburg, Kans. 1000 WCMi Ashland, Ky. 1000 WBGN Bowling Green, Ky. 1000 | WCAI Ft. Myers, Fla. 1000d WBSG Blackshear, Ga. 500d |
| WMVO Mt. Vernon, Unio 5000 | WSCR Scranton, Pa. 1000 WUNO Rio Piedras, P.R. 5000 WOIC Columbia, S.C. 5000 | WBGN Bowling Green, Ky. 1000 WNBS Murray, Ky. 1000 WEKY Richmond, Ky. 1000 KVOB Bastrop, La. 1000 | WRWH Cleveland, Ga. 1000d WAVC Warner Robins, Ga. 5000d KTOH Lihue, Hawaii 5000 |
| KACI The Dailes, Oreg. 1000d WWCH Clarion, Pa. 500d WHZN Hazieton, Pa. 1000d | KELO Sloux Falls, S.Dak. 5000 WKIN Kingsport, Tenn. 5000d WMSR Manchester, Tenn. 5000d | KRMII Shrevenort, LR. 1000 I | KRLC Lewistown, Ida Clarkston, Wash 5000d |
| WTIL Mayaguez, P.R. 1000 WLOW Alken, S.C. 500d WCKI Greer, S.C. 1000d | KVMC Colo. City, Tex. 1000d KXYZ Houston, Tex. 5000 KCPX Salt Lake City. Utah 5000 | WFAU Augusta, Maine 1000 WDME Dover-Foxcroft, ME 1000 WLVC Ft. Kent, ME 250 | WJBD Salem, III. 500d |
| WKSC Kershaw, S.C. 500d KOLY Mobridge, S.D. 5000d | WKIN Kingsport, Tenn. 3000d WMSR Manchester, Tenn. 3000d KYMC Golo. City, Tex. 3000d KXYZ Houston, Tex. 5000 KCPX Sait Lake City, Utah 3000 WCOR Randolph, VI. 1000d WLGM Lynchburg. Vg. 1000d | WLVC Ft. Kent, ME 250 WHOU Houtton, Maine 1000 WGAW Gardner, Mass. 1000 WNBH New Bedford, Mass. 1000 | KVRS Rock Springs, Wyo. 1000 |
| WMAK Nashville, Tenn. 5000 | WEET Richmond, VA 5000d KXRO Aberdeen WA 5000r KHIT Walla Walla, Wash. 1000d | WLEW Bad Axe, Mich. 1000 | WLOU Louisville, Ky. 5000d . WSMB New Orleans, La. 5000 WJEB Gladwin, MI 1000d |
| KVET Austin, Tex. 5000 KKUB Brownfield, Tex. 1000d KLAR Laredo, Tex. 1000 KKAS Slisbee, Tex. 500d KSTU Logan, Utah 1000 | WFHR Wisconsin Rapids, wis. 5000 | WMTE Manistee, Mich. 1000 | WHMI Howell, Mich. 500 KTMF New Prague, Minn. 500d |
| WKCY Harrisonburg, va. 50000 | 1330—225.4 | WAGN Menominee, Mich. 1000 WMBN Petoskey, Mich. 1000 WEXL Royal Oak, Mich. 1000 | WCMP Pine City, Minn, 1000d WCMP Corinth, Minn, 1000d WKCU Corinth, Miss, 1000 |
| KMPS Seattle, WA 5000 WCLQ Morgantown, W.Va. 1000d WKLC St. Albans, W.Va. 1000d WLOT Marinette WI 1000d | WROS Scottsboro AL 1000d KHYT Tucson AZ 500d KVEE Conway AR 500d | WARN Potoskoy, Mich. 1000 WEXL Royal Oak, Mich. 1000 KVBR Brainerd, Mich. 1000 KVBR Brainerd, Minn. 1000 WEVE Evoleti, Minn. 1000 WEVE Evoleti, Minn. 1000 | WKOZ Koselusko, Miss. 5000d KCHR Charleston, Mo. 1000d KBRX O'Nelli. Nebr. 1000d |
| | KLOM Lompoc, Cal. 1000d KFAC Los Angeles, Calif. 5000 | KWIM Willman Mina 1000 | WLNH Laconia, N.H. 5000d |
| 1310—228.9 WHEP Foley AL 1000d WIAM Marion AL 5000d | KCI M KAMBING, GRI. DUUUG I | WAML Laurel, Miss. 1000 WK07 Kosciusko, Miss. 1000d | KABQ Albuquerque, N.M. 5000 WCBA Corning, N.Y. 1000d WRNY Rome, N.Y. 500d WBMS Black Mountain, N.C. |
| KBUZ Mesa, AZ 3000F KBOK Majvern AR 1000d | WMEN Tellaherese Fla. 5000d | KLID Poplar Bluff, Mo. 1000 | |
| KPOD Crescent City, Calif. 1000d | WPPI Carroliton, GA 5000 WMLT Dublin, Ga, 5000 WRAW Evanston, III, 5000d WRAM Monmouth, III, 1000d WRRR Rockford, III, 5000d | | WHIP Mooresville, N.C. 1000d WLLY Wilson, N.C. 1000d KBMR Bismarek ND 10000d WSLR Akron, O. 5000 |
| KEKA Greeley, Colo. 5000d | WRRR Rockford, III. 1000d WJPS Evansville, Ind. 5000 | KCAP Helens. Mont. 1000 KPRK Livingston, Mont. 1000 KATL Miles City, Mont. 1000 KYLT Missoula, Mont. 1000 KYUB Fremont, Nebr. 500 | WSLR Akron, 0. 5000 WCSM Celina, Ohio 5000 WCH1 Chillicothe, Ohio 1000d KRHD Duncan, Okia. 250 |
| WICH Norwich, Conn. 5000 WKKX Deland FL 5000d WGKR Perry, Fla. 1000d | WIPS Evansville, Ind. 5000 WTRE Greensburg IN 5000 KWW Waterloo, lowa 5000 KFH Wichita, Kans. 5000 | KSID Sidney, Nebr. 1000 | KDOV Ashland OR 1000d |
| WAUC Wauchula, Fla. 500d WQAK Decatur GA 500d WOKA Douglas, Ga. 1000d | WYGO Corbin, Ky. 5000d WMOR Morehead, Ky. 1000d KYOL, Lafayette, La. 5000 WHET Waltham, MA 5000 | KRAM Las Vegas, Nev. 1000 KBET Reno, Nev. 1000 WDCR Hanover, N.H. 1000 | WZIX York, PA 5000 WWBR Windher, Pa. 1000d WEGA Vega Bala, PR 500 |
| WBRO Waynesboro, Ga. 1000d WBMK West Point, Ga. 1000d KNUI Makawal, Hawali 1000 | WHET Waltham, MA 5000 WASA Havre de Grace, Md. 5000d WTRX Flint, Mich. 5000 | WMID Atlantic City, N.J. 1000 | WZIA YOK, PA 0000 WWBR Windher, Pa. 10000 WEGA Vega Bsjs, PR 900 WDAR Darlington, S.C. 10000 WRKM Carthage, Tenn. 10000 KCAR Clarksvills, Tex. 10000 KCAR Clarksvills, Tex. 10000 KCAR San Antonio. Tex. 10000 |
| | WLOL Minneapolis, Minn. 5000 | KKIT Taos, N.Mex. 250 KBIL Silver City, N.Mex 1000 WMBO Auburn, N.Y. 1000 | KTXJ Jasper, Tex, 1000d KCOR San Antonio, Tex. 5000 |
| KD18 Perry, Iowa 500d KOKX Kokuk, Ia. 1000 KFLA Scott City, Kans. 500d WTTL Madisonville, Ky. 1000 WD0C Prestonsburg, Ky. 5000d | WJPR Greenville, Miss. 1000 WDAL Meridian, Miss. 5000d KUKU Willow Springs Mo. 1000d | | WFLS Fredericksburg, Va. 1000d WNVA Norton, Va. 5000d |
| KEZM Sulphur, LA 500d KUZN W. Monroe, La. 1000d WLOB Portland, Me. 5000 | WTNJ Trenton, N.J. 5000d KGAK Galiup, N.Mex. 5000 | WLVL Lockport, NY 1000r WMSA Massens, N.Y. 1000 WALL Middletown, N.Y. 1000 WIRY Plattsburgh, N.Y. 1000 | WKLX Portsmouth, Va. 5000 WPDR Portage, Wis. 1000d |
| WORC Wordester, Mass. 5000 | WFTO Fulton MS 2500d WJPR Greenville, Miss. 1000 WDAL Meridian, Miss. 5000d KUKU Willow Springs, Mo. 1000d WTNJ Trenton, N.J. 5000d KGAK Galiup, N.Mex. 5000 WEVD New York, N.Y. 5000 WEVD New York, N.Y. 5000 WEBO Owego, N.Y. 1000d WEBO Owego, N.Y. 1000d | WIRY Plattsburgh, N.Y. 1000 WIRI Lenoir, N.C. 1000 WIRR Lumberton, N.C. 1000 | 1360-220.4 WWWB Jasper AL 1000d |
| WCCW Traverse City, Mich. 5000d KRBI St. Peter, Minn. 1000d WXXX Hattlesburg, Miss. 1000d | WHAZ Troy, N.Y. 1000 WKVO Havelook, N.C. 1000d WHOT Campbell, Ohlo 1000 | WIRT Flattading, C. 1000 WTSB Lumberton, N.C. 1000 WCSQ Oxford NC 1000r WOOW Greenville, N.C. 1000 WGNI Wilmington, N.C. 1000 WAR Winston-Salem, N.C. 1000 | WLIQ Mobile AL 5000d WMFC Monroeville AL 1000d WELR Roanoke AL 1000d |
| KFSB Joplin, Mo. 5000 | WFIN Findlay, Ohlo 1000d WKOV Wellston, Ohlo 500d WELW Willoughby, O. 500d KPOK Portland, Ore. 5000 | WAIR Winston-Salem, N.C. 1000 KXPO Grafton, ND 1000r | |
| WILK Asbury Park, N.J. 1000 | WEBO Gwego, N.Y. 1000d WHAZ Troy, N.Y. 1000d WKVO Havelock, N.C. 1000d WHOT Campbell, Ohio WFIN Findlay, Ohio 1000d WKOV Weliston, Ohio 500d WELW Willoughby, 0. 500d KPOK Portland, Ore. 5000 WRIE Erle, Pa. 5000 | KXPO Grafton, ND 1000r WNCO Ashland, O. 1000 WOUB Athens, OH 500r WIZE Springfield, Ohio 1000 | KLYR Clarksville AR 500d KFFA Helena AR 1000d KFIV Modesto, Cal. 5000 KZ1Q Ridgecrest, CA 1000d |
| WOTK Parsippany, NJ WVIP Mt. Kisco, N.Y. 5000d WTLB Utica, N.Y. 1000 | WRIE Erle, Pa. 5000 WPPC Penuelas, PR 5000 WLAT Conway, S.C. 5000 WFBC Greenville, S.C. 5000 WAEW Crossville, Tenn. 1000d WTRO Dyeraburg, Tenn. 500d KMIL Cameron, Tex. 500d KSWA Graham, Tex. 500d KINE Kingsville, Tex. 1000d KZAK Tyler, Tex. 1000d WRAD Anville, 3000 WRAD Anville, 3000 | WSTV Steubenville, Ohlo 1000 KIHN Hugo, Okla. 1000 | KZIQ Ridgecrest, CA 1000d KGB San Diego, CA 5000r WDRC Hartford, Conn. 5000 WCGL Jacksonville, FL 5000 |
| WISE Asheville, N.C. 5000 WHVN Charlotte NC 1000d WTIK Durham, N.C. 5000 | WTRO Dyersburg, Tenn. 500d KMil Cameron, Tex. 500d | KOTY Wand Springs, Okla. 500 KLOO Corvallis, Ore, 1000 KWYR Enterprise, Oreg. 1000 KWHR Hood River, Ore. 1000 KBBR N. Bend, Ore. 1000 | WKAT Miami Beach, Fia. 5000 |
| WTIK Durham, N.C. 5000 KNOX Grand Forks, N.Dak. 5000 WFAH Alliance, Ohlo 1000d KNPT Newport, Ores 5000 WBFD Bedford, Pa. 5000d | KSWA Graham, Tex. 500d KINE Kingsville, Tex. 1000d KVKM Monahans, Tex. 5000 | KIHR Hood River, Ore. 1000 KBBR N. Bend, Ore. 1000 | WLAW Lawrenceville, Ga. 1000d WMAC Metter, Ga. 500d |
| W WIND FORFITH, PH. 30000 | KZAK Tyler, Tex. 1000d WBTM Danville, Va. 5000 WRAA Luray, Va. 1000d | WSAJ Grove City, Pa. 100 WKRZ OII City, Pa. 1000 | WZNG WINTER HAVEN F. 1000d WAZN Bainbridge, Ga. 1000d WLAW Lawrenceville, Ga, 1000d WMAC Metter, Ga. 500d WIYN Rome, Ga. 500d WLBK DeKalb, III. 1000d WVMC Mt, Carmel, III. 500d WGFA Watseka, III. 1000d KHAK Cedar Rapids, Iowa 1000d KXGI Ft. Madison, Iowa 1000d KXGI Sloux City. Iowa 5000 |
| WDKD Kingstree, S.C. 5000d WDGD Chattanogus, Tenn. 5000 | WHAA LURY, Va. 100000 WOLD Marion, Va. 100000 WESR Tasley, Va. 500000 KMBI Spokane, WA 500000 WETZ New Martinsville, W.Va. 100000 WHBL Shaboysan, Wis. 50000 | WHAT Philadelphia, Pa. 1000 WRAW Reading, Pa. 1000 WTRN Tyrone, Pa. 1000 | WGFA Watseka, III. 1000d KHAK Cedar Rapids, Iowa 1000d KXGI Ft. Madison, Iowa 1000d |
| WDXI Jackson, Tenn. 5000 WBNT Oneida, Tenn. 1000d KZIP Amarillo, Tex. 1000d | WETZ New Martinsville, W.Va. 1000d | WBRE Wilkes-Barre, Pa. 1000 WWPA Williamsport, Pa. 1000 WUNA Aquadilla, P.R. 250 | KSCJ Sloux City, Iowa 5000 KBTO El Dorado, Kans. 500d WFLW Monticello, Ky. 1000d |
| WRR Dallas, Tex. 5000 | KOVE Lander, Wyo. 5000 | WOKE Charleston, S.C. 1000 WRHI Rock Hill, S.C. 1000 WSSC Sumter, S.C. 1000 | KNIR New Iberia, La. 1000d |
| WEEL Fairfax, Va. 5000 | 1340—223.7 WKUL Cullman AL 1000r | KIJV Huron, SD 1000r KTOO Rapid City, SD 1000 | WEBB Baltimore, Md. 5000d WLYN Lynn, Mass. 1000d |
| KARY Proser, Wash. 1000d WSLW White Sulphur Springs, WV WIBA Madison, Wis. 5000 | WXOR Florence AL 1000r | WBAC Cleveland, Tenn. 1000 WKRM Columbia, Tenn. 1000 WGRV Greeneville, Tenn. 1000 | WKYO Caro, MI 1000 WKMI Kalamazoo, Mich. 5000 KRWC Buffalo MN 500d |
| 1320—227.1 | KIKO Miami AZ 1000r KEBR Nogales AZ 250 | WKGN Knoxville, Tenn. 1000 WLOK Memphis, Tenn. 1000 WCDT Winchester, Tenn. 1000 | |
| WENN Birmingham, AL 5000d WAGF Dothan, AL 1000 KAWC Yuma, AZ 500d | KPGE Page AZ 1000r KBTA Batesville AR 1000r KZNG Hot Springs AR 1000r KCAT Pine Bluff AR 1000r | KWKC Abilene, Tex. 1000 KHLB Burnet TX 1000 KAND Corsicans, Tex. 1000 | KICX McCook, Nebr. 1000d WNNJ Newton, N.J. 1000d WWBZ Vineland, N.J. 1000 KRRR Buldoso, NM 5000d |
| KWHN Fort Smith AR 5000 KRLW Walnut Ridge, AR 1000d | KCAT Pine Bluff AR 1000r KBRS Springdale, AR 1000r KATA Areata CA 1000d | VEET EI Dage Tay 1000 | KRRR Ruldoso, NM 5000d WKOP Binghamton, N.Y. 5000 WMNS Olean, N.Y. 1000d |
| KLAN Lemoore, Cant. 10000 | KBRS Springdale, AR 1000r KATA Areata CA 1000d KWXY Cathedral City, CA 1000r KMAK Fresno, Callf. 1000 KDDL Mojave, CA 500r KSFE Needles CA 1000r | KLBK Lubbock, Tex. 1000 KRBA Lufkin, Tex. 1000 KPDN Pampa, Tex. 1000 KOLE Port Arthur, TX 1000 | WKOP Binghamton, N.Y. 5000 WKNS Olean, N.Y. 1000d WCHL Chapel Hill, N.C. 1000 WSAI Cinclinatt, Ohio 5000 WOW Conneatt, Ohio KOHU Hermiston, OR 1000 KUIK Hillsboro, Ores. 1000d WIXZ McKeesport, Pa. 5000d WPAP Pottsville, Pa. 5000 WCHQ Camuy, PR 1000r WCHQ Camuy, PR 1000r WELP Easley, S.C. 1000d |
| KCRA Saeramento, Calif. 5000 KAVI Rocky Ford, Colo. 1000d WATR Waterbury, Conn. 5000 | KSFE Needles CA 1000r KORV Oroville CA 1000r KATY San Luis Obispo. CA 1000r | N | WWOW Conneaut, Ohio 500d KOHU Hermiston, OR 1000 KUIK Hillsboro, Oreg. 1000d |
| WGMA Hollywood, Fla. 5000 WVOJ Jacksonville, Fla. 5000 WAMR Venice, Fla. 500d | KORV Oroville CA 1000r KATY San Luis Obispo, CA 1000r KIST Santa Barbara CA 1000r KOMY Watsonville, CA 1000r KDEN Denver, Colo. 1000r KQLL Grand Junetion, Colo. 1000 | WSTA Charlotte Amalie, V.I. 250 KMTI Manti, UT 1000r WKEY Covington, Va. 1000 | WIXZ McKeesport, Pa. 5000d WPPA Pottsville, Pa. 5000 WCHQ Camuy, PR 1000r |
| WYOJ Jacksonville, Fia. 500d WHIE Griffin, Ga. 5000d WKAN Kankakee, III. 1000 KNIA Knoxville, lewa 500d KMAQ Maquoketa, lowa 500d KLWN Lawrence, Kans. 500d WBRT Bardstown, KY 1000d | KDEN Denver, Colo. 1000 KQIL Grand Junetion, Colo. 1000 KVRH Salida, Colo. 1000 | WILLAM Handwell Va 1000 | WELP Easley, S.C. 1000d WLCM Lancaster, S.C. 1000d WBLC Lenoir City, Tenn. 1000 WNAH Nashville, Tenn. 1000d |
| KMAQ Maquoketa, lowa 500d KLWN Lawrence, Kans. 500d WRRT Bardstown, KY 1000d | WNHC New Haven, Conn. 1000 WTAN Clearwater, FL 1000 | KOTY Kennewick, WA 1000 KAPA Raymond, Wash, 1000 | WNAH Nashville, Tenn. 1000d KQIZ Amarillo, TX 500d KACT Andrews, Tex. 1000d KBUK Baytown, TX 1000 |
| WCLU Covington, Ky. 300d WNGO Mayfield, Ky. 1000d | WROD Daytona Beh., Fla. 1000 WDSR Lake City, Fla. 1000 WTYS Marianna, Fla. 1000 WPBR Palm Beach, FL 1000r | WEPM Martinshura W.Va. 1000 | KBUK Baytown, TX 1000 KRYS Corpus Christi, Tex. 1000 |
| WICO Salisbury, Md. 1000d WARA Attleboro, Mass. 1000 | WPBR Palm Beach, FL 1000r WSEB Sebring, Fia. 1000 | WMON Montgomery, W.Va. 1000 WXEE Welch, WV 1000 WLDY Ladysmith, Wis 1000 WRIT Milwaukee, Wis. 1000 | KXOL Ft. Worth, Tex. 5000 WBOB Galax, Va. 1000d WHBG Harrisonburg, Va. 5000d |
| WBRT Bardstown, KY WCLU Covington, Ky. WNGO Mayfield, Ky. KIKS Sulphur, LA WICO Salisbury, Md. WARA Attleboro, Mass. WILS Lansine, Mich. WDMJ Marquette, Mich. WRJW Picayune, Miss. WVLY Water Valley, Miss. KOZY Grand Rapids MN KXLW Clayton, MO 1000 | WSEB Sobring, Fia. 1000 WFSH Valparaiso, Fia. 1000 WIGO Atlanta, Ga. 1000 WGAU Athens, Ga. 1000 WBBQ Augusta GA 1000r | WRIT Milwaukee, Wis. 1000 KSGT Jackson, Wyo. 1000 KYCN Wheatland, Wyo. 250 | KBUK Baytown, TX 1000 KXOL Ft. Worth, Tex. 1000 KXOL Ft. Worth, Tex. 1000 WBOB Galax, Va. 1000d WHBG Harrlsonburg, Va. 5000d KM 0 Tacoma, Wash. 5000 WHJC Matewan, W.V. 1000d WGEE Green Bay, WI 1000d WSEV Uriquia, Wis. 1000 WMNE Menomonie, Wis. 10000 KRKK Rock Springs, WY 1000 |
| WVLY Water Valley, Miss. 500d KOZY Grand Rapids MN 5000 KXI W Clayton, MO 1000 | WBBQ Augusta GA 1000r WGAA Cedartown, Ga. 1000 WOKS Columbus, Ga. 1000 | KWOR Worland, Wyo. 1000 | WGEE Green Bay, WI , 5000 WISV Viroqua, Wis. 1000 WMNE Menomonie, Wis. 1000d |
| KOLT Scottsbluff, Nebr. 5000 KRDD Roswell, NM 1000d | WBBT Lyens, Ga. 1000 | 1350-222.1 WELB Elba AL 1000d | KRKK Rock Springs, WY 1000 |
| WHHO Hornell NY WAGY Forest City, N.C. 1000d WCOG Greensboro, N.C. 5000 | KSKI Halley, Idaho 1000 KAIN Nampa, Idaho 1000 KPST Preston, Idaho 1000 WSGY Decatur, III. 1000 | WELB Eiba AL 1000d WGAD Gadsden AL 5000r WYLS York AL 5000d KLYD Bakersfield, Calif. 1000d | 1370—218.8 WBYE Calera AL 1000d |
| KOZY Grand Rapids MN KXLW Clayton, MO KOLT Scottshiuft, Nebr. KRDD Roswell, NM WHHO Hornell NY WOOG Greensbero, N.C. WKRK Murnhy, N.C. WKRK Murnhy, N.C. WHEW Washington, N.C. WHOK Laneaster, Ohio KWOE Clinton, Okfa. KWOE Clinton, Okfa. WKAP Allentown, Pa. WGET Gettysburg, Pa. | WJPF Herrin, III. 1000 WIOI Juliet, III. 1000 | KCKC San Bernardino, CA 5000r | WBYE Calera AL 1000d KAWW Heber Springs AR 1000d KTPA Prescott AR 500d KREL Corona. CA 5000r |
| WHOK Laneaster, Ohio 1000d KWOE Clinton, Okia. 1000d KATR Eugene, Ore. 1000d | WTRC Eikhart IN 1000r WLBC Muncie, Ind. 1000 | WNLK Norwalk, Conn. 1000 WINY Putnam, Conn. 1000d | KREL Corona. CA 5000b KPCO Quincy. Cal. 5000b KEEN San Jose, Calif. 5000 KGEN Tutare, Calif. 1000d WKMK Blountstown, Fia. 500d |
| WKAP Allentown, Pa. 5000 WGET Gettysburg, Pa. 1000 | KROS Clinton, lowa KCKN Kansas City, Kans, 1000 | WEZY Cocoa Beach, FL 1000 WDCF Dade City, FL 1000r | WKMK Blountstown, Fla. 500d |

| Call Location W.P. | Call Location W.P. | Call Location W.P. | Call Location W.P. |
|--|--|--|---|
| WWKE Ocala, Fia. WOOA Pensacola, Fia. WOOA Pensacola, Fia. 5000 WAXE Vero Beach, Fia. WOOA Pensacola, Fia. 5000 WLOY Jesup, Ga. WFDR Manchester, Ga. WPDR Manchester, Ga. WPRC Lincoin, Iii. WOOD WTDR Bioomington, Ind. WOOD KGNO Dodge City. Kans. WABD Fi. Campbell, Ky. WOOD WAYTY Tompkinsville, Ky. WABD Fi. Campbell, Ky. WOOD WAPB Marksville, La. WOOD WAPB Marksville, La. WOOD WHI Braddocks Htz., Md. WZYQ Frederick, MD WKIK Leonardtown, MD WGHN Grand Haven, Mich. St. Paul MN, KDAN Minneapolis- St. Paul MN, WMGO Canton, Miss, KV Baul MN, WMGO Canton, Miss, KV Butte, Mont. St. Paul MN, WMGO Carton, Wiss, KV Butte, Mont. KVFT Bonville, Mo. KVRT Bonville, Mo. KVRT Bonville, Mo. KVRT Bonville, Mo. WALV Critensville, Mo. WALV Critensville, Mo. WALV Patchogue, N.Y. 500d WKAY Rochester, N.Y. 500d WALX Patchogue, N.P. 500d WALX Pa | WHMA Anniston, AL 5000r KDQN DeQueen AR 5000d KAMO Rogers, AR 1000d KGER Long Beach, Calif. 5000 KCEY Turlock, Calif. 5000 WAPA Annistrie FL 5000d WARA Gainesville FL 5000d WAKA Gainesville FL 5000d WINK Americus, Ga. 5000d WTNL Reidsville GA 5000d WCON Chick, I 1000d KCBC Des Molnes, Iowa 1000d WCLT Hazard, Ky, 5000d WICK Hazard, Ky, 5000d WEGP Presque Isle, ME 5000d WCAT Orange, Mass. 1000d WCAT NK Meridlan, MS 5000d KOND MOLD WED Hobbs, N.Mex. 5000d WED K Poughkeepsle, N.Y. 5000d WFM Tryv N.C. 1000d WCAT Orange Mass. 5000d WCAT Orange Mass. 5000d WCAT Selfen, Pomeroy, 0. 5000d WCAT Orange Mass. 5000d WCAT Orange Mas | KEYL Lang Prairie, Minn. 1000 KMHL Marshall, Minn. 1000 KFYL Long Prairie, MN 1000 KEEY Minneapolis- St. Paul MN 1000 WHEB Virginia, Minn 1000 WHEB Columbus, Miss. 1000 WMGC Columbus, Miss. 1000 WMGC Glumbus, Miss. 1000 WMGG Grenada, Miss. 1000 WFOR Hattlesburg, Miss. 1000 KJCFF Festus, Mo. 1000 KJCFF Festus, Mo. 1000 KJCFF Festus, Mo. 1000 KJCFF Festus, Mo. 1000 KJCFF Grest, Mo. 1000 KJCFF WILLIAM 1000 WJCFF WILLIAM 1000 KJCFF | WOKW Brockton, Mass. WGRD Grand Rap., Mich. KLFD Litchfield, Minn. KRWB Roseau, Minn. WDSK Cleveland, Miss. WBKN Rowton. Miss. WBKN Newton. Miss. WBKN Newton. Miss. WBKN Newton. Miss. WHTG Eatontown. N.J. WELM Elmira. N.Y. WELM Elmira. N.Y. WELM Elmira. N.Y. WELM Elmira. N.Y. WELM Elmira. N.C. WYCB Shallotte. N.C. WYCB Curham, Chip WSC Ourham, N.C. WYCB Shallotte. N.C. WYCB Curham, N.Y. WYCB Curham, N.C. WYCB Curham, N.Y. |
| KFRO Longview, Tex. 10000 KF08 Post, Tex. 1000d KS0P Sait Lake City, Utah 1000d WBTN Bennington, Vt. 1000d WHEE Martineville, V. 1000d KJVS Sait Lake City, Utah 1000d WHEE Martineville, V. 1000d KF0R Quincy, Wash, 1000d WCCN Relilaville, V. 5000d WCCN Neillaville, V. 5000d KVWO Cheyenne, Wyo. 1000d 1380—217.3 WRAB Arab, AL 1000d WCSV Greenville AL 1000d | WMCI Mountain City, Tenn. S00d KBEC Waxahachie. Tex. 500d KBEW Logan UT WEAM Aflington, Va. 5000 WWOD Lynchburg, Va. 5000 WKLP Keyser, W.Va. 1000d KEBO Yakima, WA 1400—214.2 WMSL Decatur AL 1000r WXAL Demopolis, AL 1000r WJLD Fairfield AL 1000d | WJET Erle, Pa. 1000 WFEC Harrisburg, Pa. 1000 WWSF Loretto, PA 1000 WKBI St. Marys, Pa. 1000 WKBI St. Marys, Pa. 1000 WICK Scranton, Pa. 1000 WRAK Willlamaport, Pa. 1000 WVOZ Carolina, P.R. 500 WCOS Columbia, S.C. 1000 WGTN Georgetown, S.C. 1000 WKDTN Georgetown, S.C. 1000 WKDTN Georgetown, S.C. 1000 WKDTN Georgetien, S.C. 1000 WKDTN Georgetien, S.C. 1000 WKDTN Clarksville, Tenn, 1000 WLSB Copperhill, Tenn, 1000 WLSB Copperhill, Tenn, 1000 WKPT Kingsport, Tenn, 1000 | KCCN Honolulu, Hawail 5000 WINI Murphysboro, III. 500d WIMS Michigan City, Ind. 5000 WOCD Davenport, Iowa 5000 KJCK Junction City, Kans. 1000d KULY Ulysses, Kan. 1000d WCTR Ashland, Ky, 5000d WHBN Harrodsburg, Ky. 1000d WYJS Owensboro, Ky, 5000 WFEL Lafayette, La. 1000 WBSM New Bedford, Mass. 1000 WAMM Flint, Mich. 500d WKPR Kalamazoo, Mich, 1000d KTOE Mankato, Minn. 5000 KNUL Oxford. Mins. 1000d |
| XZUL Parker AZ 2500d XATO Safford, Ariz. 5000 XDXE N. Little Rock, AR 1000d XEX N. LI | WFPA Fort Payne, AL 1000r WJHO Opelika AL 1000r KSEW Sitka, Alaska 1000 KCLF Clifton, Ariz. 250 KXIV Phoenix AZ 1000r KTVOY YUMA AZ 250 KVOY YUMA AZ 250 KVOY YUMA AZ 1000r KCLA Pine Bluff AR 1000r KCLA Pine Bluff AR 1000r KCHA Pine Bluff AR 1000r KWYN Wynne. AR 1000r KYWN Wynne. AR 1000r KYN WYN WYNNE. AR 1000r KARE Berkeley. CA 1000r KRE Berkeley. CA 1000r KARE South AR REO Indio. CA 1000r KAAP Santa Paula. CA 1000r KAAP Santa Paula. CA 1000r KONG Visalia, CA 1000r KONG Visalia, CA 1000r KONG Visalia, CA 1000r KRTM Truckee. CA 1000r KONG Visalia, CA 1000r KONG Visalia, CA 1000r KRTM Ft. Morgan. Colo. 250 KOTA Delta. Colo. 1000 KFTM Ft. Morgan. Colo. 250 KOTA Delta. Colo. 1000 WFTT Ft. Morgan. Colo. 1000 WFTT Ft. Lauderdate. Fta. 1000 WFTT Ft. Lauderdate. Fta. 1000 WFTT Ft. Lauderdate. Fta. 1000 WFTT Ft. Pierce, Fta. 1000 WFTT Ft. Fterce, Fta. 1000 WFTT Ft. Ft. Fterce, Fta. 1000 WFTT Ft. Ft. Ft. Ft. Ft. 1000 WFTT Ft. 1000 WFTT Ft. Ft. 1000 WFTT FT. 10 | WHAL Shelbyllie, Tenn, 1000 KRUN Ballinger, Tex. 1000 KBYG Big Spring, Tex. 1000 KUNO Corpus Christl, Tex. 1000 KILE Galveston TX KGVL Greenville, Tex. 1000 KEBE Jacksonville, Tex. 1000 KUN Pecos, Tex. 1000 KUN Pecos, Tex. 1000 KUN Pecos, Tex. 1000 KYP Prialnview, Tex. 1000 KYP Prialnview, Tex. 1000 KYP Prialnview, Tex. 1000 KYP Bigliew, Tex. 1000 KYP WILL Tex. 1000 KYP WILL TEX. 1000 WHO WILL TEX. 1000 KEDO Longview, Wash. 1000 KREO Underster, Va. 1000 WHO Viarksburg WV 1000 WRON Ronceverte, WV 1000 WKOK Spencer, WV 1000 WKWK Wheeling WV 1000 WKWK Wheeling WV 1000 WENT WILL WILL TEX. 1000 | WQBC Vicksburg, Miss. 1000 WIGG Wiggins, Miss. 1000 KBTN Neosho, Mo. 5004 KBTN Neosho, Mo. 5004 WASR Wölfebero, N.H. 10004 KSYX Santa Ross, N.Mex. 10004 WALK Newark, N.Y. 5004 WALK Newark, N.Y. 5004 WLNA Peekskill, N.Y. 10004 WMYN Mayodan, N.C. 5004 WWYN Mayodan, N.C. 5004 WYOT Wilson, N.C. 1000 WHK Cleveland, Unio 5004 KTJS Hobart, Otta, 7006 KTJS Hobart, Otta, 7006 KTJS Hobart, Otta, 7006 WCED Coatsville, Pa. 5000 KTJS Hobart, Otta, 7000 KTJS Hobart, Otta, 7000 WCED Coatsville, Pa. 5000 |
| KWK St. Louis, Mo. 5000 KUVR Holdredge, Neb. 500d WBBX Portsmouth, N.H. 1000 WVIN Bath, NY 5000 WWN Bath, NY 5000 WKKE Asheville, N.C. 5000 WKKE Asheville, N.C. 5000 WLRO Lorain, OH 1000d KRWO Waverly, OH 1000d KSWO Lavron, Okla. 1000 KSWO Lavron, Okla. 1000 KSWO Lavron, Okla. 1000d KSWO KSWO Loverly, OH 1000d KSWO Lavron, Okla. 1000d KSWO KSWO KIN 1000d KSWO Lavron, Okla. 1000d KSWO MURP MITTON, OKLA. 1000d KSWO Lavron, Okla. 1000d KSWO KSWO MITTON, OKLA. 1000d KSWO Lavron, Okla. 1000d KSWO MITTON, OKLA. 1000d KSWO MITTON, OKLA. 1000d KSWO MITTON, OKLA. 1000d KSWO MITTON, OKLA. 1000d WALT Waynesboro, Pa. 1000d KTNN MIIIIngton, TN 1000d WTNN MIIIIngton, TN 1000d WTNN MIIIIngton, TN 1000d KBWD Brownwood, TX 1000d WSYB Rutland, VT 5000r WKRY Richmond, VA 5000d WTYR Ichmond, VA 5000d WTTR Ichmond, VA 5000d KEZE Spokane, WA 5000d WMTD Hinton, W.Va. 1000d | WERD Jacksonville FL 1000 WTRS Sanford, Fla. 1000 WPAS Zenhyrhills, Fla. 1000 WULF Alma, Ga. 1000 WULF Alma, Ga. 1000 WSGC Elberton, GA. 1000 WSGC Savannah, Ga. 1000 WSGA Savannah, Ga. 1000 KSGT Savannah, Ga. 1000 KSGT Savannah, Ga. 1000 KRPL Moscow, Ida. 1000 KRPL Moscow, Ida. 1000 KRPT Sandpoint, Idaho WJWS Champaign, Ill. 1000 WJWS Champaign, Ill. 1000 WGN Gatesburg, Ill. 1000 WGL Edatesburg, Ill. 1000 WGL Edatesburg, Ill. 1000 KCOG Centerville, Jad. 1000 KCOG Centerville, Jad. 1000 KVFF Fort Dodge, Jowa 1000 KVYS HOST WGYN CYST SAN 1000 WFTG London, Ky. 1000 WGYN KANK Lake Charles, 2a. 1000 KAOK Lake Charles, 2a. 1000 WGYN Battlemore, Md. 1000 WICE Biddeford, Maine 1000 WICE Biddeford, Maine 1000 WMCS Machias, Me. 1000 WHN Battlemore, Md. 1000 WHN Battle Creek MI 1000 WKNR Battle Creek MI 1000 WHOF Houghton, MI 1000 WGON Munising MI 1000 WSAM Saglnaw, Mich, 1000 WSAM Saglnaw, Mich, 1000 WSIM St, Joseph Mich, 1000 | WATW Ashland, W! 1000r WB1Z Eau Claire, W! 1000r WB1Z Green Bay, W! 1000r WRDB Redesburg, W! 1000r WRDB Redesburg, W! 1000r WRIG Wausau, W! 1000r KATI Casper, WY 1000r KODI Cody, WY 1000r 1410—212.6 WUNI Mobile AL 5000r WPXC Prattville AL 5000r WZXA Tuscumbia, AL 5000d KERN Bakersfield, Calif. 5000d KERM L Carmel, Calif. 5000d KRML Carmel, Calif. 5000c KKOL Ft. Collins, Colo. 1000c WPXC Marysville, Calif. 5000c KCAL Redlands CA 5000r KCOL Ft. Collins, Colo. 1000c WPOP Hartford, Conn. 5000c WPOP Hartford, Conn. 5000c WYPX Fort Myers, Fla. 1000d WON Tallahassee, Fla. 5000d KCLO Leavenworth, Kans. 5000d KLEM LeMars, Iowa 500d KUBB Wighlita, Kans. 5000d KUBB Bowling Green, Ky. 5000d KUBS Alexandria, La. 1000d | WDDY Gloucester, Va. 1000d WKCW Warrenton, Va. KITI Chehalis-Centralia, Wash. 2000d KITI Chehalis-Centralia, Wash. 2000d WPLY Plymouth, Wls. 2000d WPLY Plymouth, Wls. 2000d WPLY Plymouth, Wls. 2000d WFHK Pell City AL 1000d KAMP El Centro, Calif. 1000d WAGN Lavora, Colo. 1000d WGM Lavora, Colo. 1000d WGM Lavora, Colo. 1000d WGM Lavora, Colo. 1000d WGM Covington, Ga. 1000d WGM Covington, Ga. 1000d WGM WGM STIfton, Ga. 1000d WGM WGM STIfton, Ga. 1000d WGM WGM STIfton, Ga. 1000d WGM Lavora, Colo. 1000d WGM Covington, Ga. 1000d WGM WGM Titon, Ga. 1000d WGM Covington, Ga. 1000d WGM Lalidanapolis, Md. 1000d KASI Ames, Iowa 1000d KASI Ames, Iowa 1000d KMRC Morgan City, La. 1000d WHEL Medford MA 1000d WWEL Medford MA 1000d WWEL Medford MA 1000d WHAU Laurel, Miss. 1000d WLAU Laurel, Miss. 1000d |

| | NS BY FREQUENCY | | |
|---|--|--|--|
| Call Location W.P. | Call Location W.P. | Call Location W.P. | Call Location W.P. |
| WIL St. Louis, Mo. 5000 KRGI Grand Island, Nebr. 5000 | WBHF Cartersville, Ga. 1000 WCON Cornella, Ga. 250 WKFU Griffin, Ga. 1000 | KFIZ Fond du Lac, WI 1000r WDLB Marshfleid, WI 1000r WRCO Richland Center, WI 1000r | WTZE Tazewell, VA 2500d KELA Centralia-Chehalls, Wash, 5000d |
| WNJR Newark, N.J. 5000 KKAT Roswell, N.M. 5000, WENE Endicott, N.Y. 5000 | WMVC Milledneville Co 1000 | WRCO Richland Center, WI 1000r KBBS Buffalo WY 1000r KVOW Riverton, WY 1000r | MCEM Mores lake Wesh 'ROOO |
| WMNS Morganton, N.C. 5000d | WQQT Savannah GA 1000r WVLD Valdosta, Ga. 1000 KVSI Montpeller, Ida. 1000 KYET Payette, Idaho 250 | 1460—205.4 | KAPS Mount Vernon, Wash. 500d WWHY Huntington, W.Va. 5000d WBKV West Bend, Wis. 1000d |
| WRXO Roxboro, N.C. 1000d KTYN Minot, N.D. 5000d WFOB Fostoria, Ohio 1000 | WKEI Kewanee, III. 500 | WFMH Cullman, AL 5000r WPNX Phenix City, AL 5000r | 1480—202.6 |
| WCLT Newark, Ohio 500d KALV Alva. Okia. 500 | WCVS Springfield, III. 1000 WLYV Ft, Wayne, Ind. 500 WXVW Jeffersonville, Ind. 1000 | KZOT Marianna, AR 500d KCCL Paris, AR 500d | WARI Abbebille, AL 1000d WBTS Bridgeport, AL 1000d WLPH irondale, AL 5000d |
| KELI Tulsa, Okla. 5000 KGAY Salem, Oreg. 5000d WVAM Altoona, Pa. 5000 | WASK Lafayette, Ind. 1000 | KTYM Inglewood, CA 5000d KDON Salinas, CA 5000 KVRE Santa Rosa, CA 1000d | WABB Mobile AL 5000 KPHX Phoenix, AZ 1000d |
| WNEL Caguas, P.R. 5000 WBLR Batesburg, S.C. 5000d WATP Marion, S.C. 1000d | KLWW Cedar Rapids, Ia. 250 KYET Payette, Ida. 250 KWBW Hutchinson, Kans. 1000 | KYSN Colorado Springs, CO 1000r WBAR Bartow, FL 1000d WZEP DeFuniak Springs, | KTHS Berryville, AR 1000 KWUN Concord, Calif. 500d KRED Eureka CA 5000r |
| WBUG Ridgeland, S.C. 1000d KBRK Brookings, S.Dak. 1000d | WTCO Camphelisville, Ky. 1000 WWXL Manchester, Ky. 1000 | WPDQ Jacksonville, FL 1000d | KYOS Merced, Calif. 5000 |
| WENU Madison, Jenn. 5000 | WPAD Paducah, Ky. 1000 WLKS W. Liberty, Ky. 1000 KS16 Crowley, La, 1000 | WDYX Buford, GA 5000d WPNX Columbus, GA 5000r WROY Carmi, IL 1000d | KWIZ Santa Ana, CA 5000r KSEE Santa Maria, Callf. 1000 KPUB Pueblo, Colo. 1000d WKND Windsor, Conn. 500d |
| KSTB Breckenridge, Tex. 1000d KEES Gladewater, Tex. 1000d | KNDC Natchitoches, La. 1000 WNPS New Orleans, La. 1000 WLKN Lincoln, Me. 1000 | WIXN Dixon, IL 1000d WRTL Rantoul, IL 500d | WAPG Areadia FL 1000d WGNE Panama City Beach, |
| KCOH Houston, Tex. 1000d KLO Ogden, Utah 5000 KDXU St. George, Utah 1000 | WRKD Rockland, ME 1000r WKTP South Paris ME 1000r | WKAM Goshen, IN 1000r WOCH North Vernon, IN 1000d KSO Des Moines, IA 5000 | WVCF Windermere, Fia. 500d WYZE Atlanta, Ga. 5000d |
| KLO Ogden, Utah 5000 KDXU St. George, Utah 1000 WIVE Ashiand, Va. 1000d WKEX Blacksburg, Va. 1000d WDIC Clincho, Va. 1000d | WTBO Cumberland, Md. 1000 WTHU Thurmont, Md. 500 WMAS Springfield, Mass. 1000 | KKOY Chanute, KS 1000d | WRDW Augusta, Ga. 5000 KOFE St. Maries ID 1000r |
| WEIR Weirton, W.Va. 1000 | WATZ Alpena Township, Michigan 1000 | WXOK Baton Rouge, LA 5000r KBSF Springhill, LA 1000d WEMD Easton MD 1000r | WGSB Geneva, III, 1000 WJBM Jerseyville, III. 500d WTHI Terre Haute, Ind. 5000 |
| WREV Beaver Dam, WI 1000d WRDN Durand, WI 1000d | WHTC Holland, Mich. 1000 WMIQ Iron Mtn., Mich. 250 WIBM Jackson, Mich. 1000 | WBET Brockton, Mass. 5000 WBRN Big Rapids, Mich. 1000d | WTHI Terre Haute, Ind, 5000 WRSW Warsaw IN 1000r KLEE Ottumwa, Iowa 5000 KBEA-Mission, Kan. 1000 |
| 1440-208.2 | WKLA Ludington, Mich. 1000 WNRY Newberry, Mich. 1000 | KDWA Hastings, Minn. 1000d KDMA Montevideo, Minn. 1000 | WKOA Hopkinsville, Ky. 1000d |
| WHHY Montgomery, AL 5000r KDOT Scottsdale, AZ 5000d KHOG Fayetteville AR 1000d | KATE Albert Lea, MN 1000 KRUN Remidil MN 1000r | WELZ Belzoni, Miss. 1000d WKKY Moss Point, MS KIRL St. Charles, Mo. 5000d | |
| KOKY Little Rock AR 5000d KVON Napa, Cat. 5000 | KBMW Breckenridge, MN 1000r WELY Ely. MN 1000r KCLD St. Cloud MN 1000r | KRNY Kearney, Nebr. 5000d KENO Las Vagas NV 5000r | KANV Jonesville, La. 500d KIDF Shravaport, La. 1000d |
| KPRO Riverside, Calif. 1000 KUHL Santa Maria, Cal. 1000 WBIS Bristol, Conn. 500d | WROX Clarksdale, MS 1000r WCJU Columbia, MS 1000r | WJJZ Mt. Holly, N.J. 5000d WOKO Albany, N.Y. 5000 WVOX New Rochelle, N.Y. 500d | WSAR Fall River, Mass, 5000 WMAX Grand Rapids, Mich. 5000d WIOS Tawas City-E. Tawas, |
| WAYK Lehigh Acres, Fla. 5000 WNBE Winter Park, FL 5000 | WJXN Jackson, MS 1000r WQIC Meridian, MS 1000r WNAT Natchez, MS 1000r | WHEC Rochester, N.Y. 5000 WAKS Fuguay-Varing. | WSDS Vacilanti Mich. 1000d |
| WWCC Bremen, Ga. 1000d WGIG Brunswick, Ga. 5000 WVMG Coehran GA 1000d | WROB West Point, MS 1000r KETW Fredericktown, Mo. 1000 | WRKB Kannapolis, N.C. 500d WMMH Marshall, N.C. 500d | KAUS Austin, Minn. 1000 KEHG Fosston, Minn. 5000d WECP Carthage, MS 250d KPIA Ironton, MO 5000d |
| WRAJ Anna, IL 500d WAKC Normal, IL 1000r WPRS Paris, IL 1000d | KIRX Kirksville, Mo. 1000 | WBNS Columbus, Ohio 5000 WPVL Painesville, OH 1000r KROW Dallas, Oreg, 5000d KELR El Reno, Okla, 500d | KPIA Ironton, MO 5000d KDRO Sedalia, Mo. 1000 KGCX Sidney, Mont. 5000 KLMS Lincoln, Nebr. 1000 |
| WGEM Quincy, III. 5000 WROK Rockford, III. 5000 | KOKO Warrensburg, Mo. 1000 KWPM West Pialns, Mo. 1000 KXXL Bozeman, Mont, 1000 KUD1 Great Falls, Mont, 1000 | WMBA Ambridge, Pa. 500d | KLMS Lincoln, Nebr. 1000 KWEW Hobbs, N.Mex. 5000 |
| WPGW Portland, IN 500d KCHE Cherokee, Iowa 500d KEWI Topeka, K8 5000r | KUDI Great Falls, Mont. 1000 KGMY Missoula, Mont. 1000 KRBN Red Lodge, Mont. 1000 | WFBA San Sebastian, P.R. 500 | KWEW Hobbs, N.Mex. 5000 WLEA Hornell, N.Y. 1000d WJIT New York, NY WADR Remsen, N.Y. 5000d |
| WCDS Glasgow, Ky. 1000d WBGR Paris KY 1000d | KVCK Wolf Point, Mont. 1000 KWBE Beatrice, Neb. 1000 | WDOG Allendale, S.C. 1000d WBCU Union, S.C. 1000 | WADR Remsen, N.Y. 5000d WWKO Fair Bluff, N.C. 1000d WAME Charlotte, N.C. 5000 WYRN Louisburg, N.C. 500d |
| WEZJ Williamsburg, KY 1000d KMLB Monroe, LA 5000r WJBQ Westbrook-Portland, | WKXL Concord, N.H. 1000 WFPG Atlantic City, N.J. 1000 | WJAK Jackson, Tenn. 1000d WEEN Lafayette, Tenn. 1000d KBRZ Freeport, Tex. 500d | WMSJ Sylva, N.C. 5000d WYDK Yadkinville, N.C. 1000d |
| WAAB Worcester, MA 5000d WBCM Bay City, MI 1000r | WKXL Concord, N.H. 1000 WFPG Atlantic City, N.J. 1000 WCTC New Brunswick, N.J. 1000 KRZY Albuquerque, N.M. 1000 KLMX Clayton, N.Mex. 1000 | WEEN Lafayette, Tenn. 10004 KBRZ Freeport, Tex. 5004 KRME Hondo, Tex. 5004 KLLL Lubbock, Tex. 10004 WACO Waco. Tex. 1000 | WHBC Canton, Ohio 5000 WCIN Cincinnati, Ohio 5000 WTRA Latrobe, Pa. 500d |
| WCHB Inkster, MI 1000d | | | WDAS Philadelphia, Pa. 5000 |
| KQRS Golden Valley, MN 5000r WRBE Lucedale MS 5000d WSEL Pontotoc, MS 1000d | KENM Portales, N.Mex. 1000 WCLI Corning, N.Y. 1000 WWSC Glens Falls NY 1000r WHDL Olean, N.Y. 1000 | WRAD Radford, Va. 5000 KILO Kirkland, WA 5000d KMWX Yakima, Wash. 5000 WBUC Buckhannon, W.Va. 5000d | WNEL Caguas, P.R. 5000 WMDD Fajardo, P.R. 5000 |
| WMVB Millville, N.J. 1000d WNYG Babylon NY | WKIP Poughkeepsie, N.Y. 1000 WKAL Rome, N.Y. 1000 | WBUC Buckhannon, W.Va. 5000d WRKR Racine, WI 500d WTMB Tomah WI 1000d | WIFC Jefferson City, Tenn. 500d |
| WJJL Niagara Falls, NY 1000d WSGO Oswego, N.Y. 1000d WBLA Elizabethtown, N.C. 1000d | WGNC Gastonia, N.C. 1000 WIZS Henderson, N.C. 1000 | 1470—204.0 | WJLE Smithville, Tenn. 1000d WAAN Waynesboro TN 1000d |
| WBUY Lexington, N.C. 5000 KKXL Grand Forks ND 1000 WHHH Warren, Ohio 5000 | WHKP Hendersinville, N.C. 1000 WHIT New Bern, N.C. 1000 WERS Spring Lake, N.C. 1000 | WBLO Evergreen AL 1000d KAZM Sedona, AZ 5000d KDEW DeWitt, AR 500d | |
| KMED Medford, Oreg. 5000 | KGCA Rugby, N.D. 1000 WJER Dover-New Philadelphia. | KUTY Paimdale, Cal. 5000d KNDE Sacramento, Calif. 5000 | KAPE San Antonio, Tex. 500d KONI Spanish Fork, Utah 1000d WCFR Springfield, Vt. 5000d WBBL Richmond, Va. 5000 |
| WCDL Carbondale, Pa. 5000d WNPV Lansdale, Pa. 500d WGCB Red Lion, Pa. 1000d | WMOH Hamilton, Ohio 1000 WLEC Sandusky, Ohio 1000 | WMMW Merides Cook 1000d | WLEE Richmond, Va. 5000 WBLU Salem, Va. 5000d |
| WQOK Greenville, S.C. 5000 WKHJ Holly Hill SC 1000d WZYX Cowan. Tenn. 1000d | KWHW Altus, Okla. 1000 KGFF Shawnee, Okla. 1000 KSIW Woodward, Okla. 1000 | WDCL Dunedin, FL 5000d WRBD Pompano Beach, Fla. 5000d WCWR Tarpon Springs FL 5000d WBIT Adel, Ga. 1000d | KVAN Vancouver, Wash. 1000d WISM Madison, Wis. 5000 KRAE Cheyenne, Wyo. 1000d |
| WHOM McKenzle, Tenn. 500d KPUR Amarillo, Tex. 5000 | KEED Eugene, Ore. 1000 KFLS Klamath Falls OR 1000r | WCLA Claxton, Ga. 1000 WRGA Rome, Ga. 5000 | 1490—201.2 |
| KEYS Corpus Christl, Tex. 1000 KDNT Denton, Tex. 5000 KGVL Greenville, Tex. 1000 | KPDC Portland Ore . 1000 | WHIIT Anderson Ind 1000d | WANA Anniston AL 250 WAJF Decatur AL 1000r WRLD Lanett AL 1000r WHBB Selma AL 1000r |
| KETX Livingston, Tex. 5000d WKLV Blackstone, Va. 5000d WOHN Herndon, Va. 1000d | WWGO Erie, Pa. 1000 WFRA Franklin, Pa. 1000 WOAD Indiana, Pa. 1000 WPAM Pottsville, Pa. 1000 WMPT S. Williamsport, Pa. 1000 | KWSL Sioux City, IA 5000 KWAY Waverly, Iowa 1000d KARE Atchison, Kans. 1000 | WRLD Lanett AL 1000r WHBB Selma AL 1000r KCUZ Clifton AZ 1000r |
| KXXR Spokane, WA 5000d WHIS Bluefield, W.Va. 5000 | WMPT S. Willamsport, Pa. 1000 WMAJ State College, Pa. 1000 | WSAC Fort Knox, Ky. 1000d | KCUZ Clifton AZ 1000r KYCA Present AZ 1000r KAIR Tucson, AZ 1000r KXAR Hope AR 1000r |
| WCDL Carbondale, Pa. 5000d WNPV Lansdale, Pa. 5000d WGCB Red Llon, Pa. 1000d WGCB Red Llon, Pa. 1000d WGWHJ Holly Hill SC 1000d WKHJ Holly Hill SC 1000d WHJ Holly Hill SC 1000d WHDM McKenzle, Tenn. 500d KPUR Amarillo, Tex. 5000 KEYS Corpus Christl, Tex. 1000 KGYL Greenville, Tex. 5000d KGYL Greenville, Tex. 5000d WKFTX Livingston, Tex. 5000d WKHL Blackstone, Va. 5000d WOHN Herndon, Va. 1000d KXXR Spokane, WA 5000d WHIS Bluefield, W.Va. 50000 WAJB Morganlown, W.Va. 5000 | WMPT S. Williamsport. Pa. 1000 WMAJ State College. Pa. 1000 WMAJ State College. Pa. 1000 WMAS Washington. Pa. 1000 WGRI Washington. Pa. 1000 WGRI Washington. Pa. 1000 WGRI Washington. S.C. 1000 WGRI Greenwood SC 1000 WGRS Greenwood SC 1000 WHYE Myttle Beach. S.C. 1000 WHYE Myttle Sc.C. 1000 WHYE Hartsville, S.C. 1000 WHYE Hartsville, S.C. 1000 WHAR Athens, Tenn. 1000 WSRG Chattanoog. Tenn. 1000 WSRG Greenwille, Tenn. 1000 WGRS Murfreesboro, Tenn. 1000 WGRS Murfreesboro, Tenn. 1000 KEEN Garrizo Springs TX 1000 KEEN Garrizo Springs TX 1000 KEEN Garrizo Springs TX 1000 | WFSR Garlan, KY 1000d WBFC Stanton KY 500 KTDL Farmersville, La. 1000d | KOTN Pine Bluff AR 1000r |
| 1450—206.8 | WQSN Charleston, S.C. 1000 WCRS Greenwood SC 1000r | KLCL Lake Charles, LA ,5000 WLAM Lewiston, Maine ,5000 | KARV Russellville AR 1000r KWAC Bakersfield CA 1000r KICO Calexico, CA 1000r |
| WYAM Beesemer AL 1000r WDIG Dothan AL 1000r | WHSC Hartsville, S.C. /1000 KBFS Belle Fourche, S.Dak. 1000 | WJDY Sailsbury, Md. 5000d WTTR Westminster, Md. 1000d WSRO Mariboro, MA 1000d | KICO Calexico, CA 1000r KRKC Ging City, CA 1000r KTOB Petaluma, CA / 1000r KBLF Red Bluff, CA 1000r |
| WFIX Huntsville AL 1000r WLAY Musele Shoals AL 1000r KLAM Cordova AK 250 | WLAR Athens, Tenn. 1000 WMOC Chattanooga, Tenn. 1000 | WNBP Newburyport, Mass. 500d WKMF Flint, Mich. 5000 WYYY Kalamazoe, Mich. 500d | KDB Santa Barbara CA 1000r KOWL S. Lake Tahoe, CA 1000r |
| KAM Cordova AK 200 KAMT Cordova AK 2 1000r KNOT Present AZ 1000r KNOT Present AZ 1000r KNOT Present AZ 1000r KNOPO Tueson, AZ 1000r KENA Mena AR 1000r KLWH Camuen, Ark. 1000 | WDSG Dyersburg. Tenn. 1000 WSMG Greeneville, Tenn. 1000 | WCHI Brookhaven, Miss. 1000d | KSYC Yreka CA 1000r KBOL Boulder, Colo. 1000 |
| KOPO Tueson, AZ 1000r KENA Mena AR 1000r | WGNS Murfreesboro, Tenn. 1000 KAYC Beaumont, Tex. 1000 | KGHM Brookfield, Mo. 500d KTCB Malden, Mo. 1000d | KIIQ Manitou Springs, CO 500 WGCH Greenwich, Conn. 1000 |
| KION BIYLING, CA 10001 | KMRI Junction Tex. 1000 | | WTRL Bradenton, Fla. 1000 WETO De Land, Fla. 1000 WKEM Immokalee, Fla. 1000 |
| KOWN Escondido CA 1000r KPSI Palm Springs, CA 1000r | KAMY McCamey, Tex. 250 | WBIG Greenshore, N.C. 5000 | WMBM Miami Beach, Fla. 1000 WCKC Milton, FL 1000r |
| KTIP Porterville, CA 1000r KEST San Francisco CA 1000r KVML Sonora, CA 1000r | KMHT Marshall, Tex. 1000 KNET Palestine, Tex. 1000 KSNY Snyder, Tex. 1000 | WOHO Toledo, Ohio 1000 KVLH Pauls Valley, Okia. 250d | WPXE Starke, Fia. 1000 WTTB Vero Beach, Fla. 1000 WSIR Winter Haven, FL 1000r |
| KVEN Ventura, CA / 1000r KOBO Yuba City CA 500r | KNET Palestine, Tex. 1000 KSNY Snyder, Tex. 1000 KURA Moab, Utah 1000 KEYY Provo, UT 1000 WSNO Barre, Vt. Vt. 1000 WSNO Barre, Vt. Vt. Vt. 1000 WSNO Barre, Vt. Vt. Vt. 1000 WSNO Barre, Vt. Vt. Vt. Vt. 1000 WSNO Barre, Vt. | KVIN Vinita, OK 500d KDUN Reedsport, Ore. 5000d WSAN Allentown, Pa. 5000 | WMOG Brunswick, Ga. 1000 WMJM Cordele, Ga. 1000 WSFB Quitman, Ga. 250 |
| KGIW Alamosa, Colo. 1000 KYOU Greeley, Colo. 1000 WNAB Bridgeport, Conn. 1000 | WSNO Barre, Vt. 1000 WTSA Brattleboro, Vt. 1000 WFTR Front Royal, VA 1000r WENZ Highland Springs, 1000 | WFAR Farrell, Pa. 1000 WWML Portage, Pa. 500d | WSNT Sandersville, Ga. 500 WSYL Sylvania, Ga. 1000 KCID Caldwell, Idaho 1000 |
| WILM Wilmington, Det. 1000 WOL Washington, D.C. 1000 WWJB Brooksville, Ft 1000 | Va. 1000 | WQXL Columbia, S.C. 5000d WINH Georgetown, S.C. 1000d WEAG Alcoa, Tenn. 1000d | KCID Caldwell, Idaho 1000 WKRO Cairo IL 1000r WDAN Danville, III. 1000 |
| WMFJ Daytona Beach, Fia. 1000 WOCN Miami, Fia. 1000 | WMVA Martinsville, VA 1000r WLPM Suffolk, VA 1000r KRKW Aberdeen WA 1000r | WVOL Berry Hill, Tenn. 5000 | WTTB Vero Beach, Fla. 1000 WSIR Winter Haven, FL. 1000c WMOG Brunswick, Ga. 1000 WMIM Cordele, Ga. 1000 WSFB Quitman, Ga. 250 WSYL Sylvania, Ga. 1000 KCID Caldwell, Idaho 1000 WKRO Cairo IL 1000 WDAN Danville, III. 1000 WESL E. St. Louis IL 1000 WOPA Oak Park, III. 1000 WOPA Princeton, III. 1000 WGE Princeton, III. 1000 WKBV Richmond, IN 1000d WNDU South Bend, Ind, 1000 |
| WBSR Pensacola, Fla. 1000 WSPB Sarasota, Fla. 1000 WSTU Stuart, Fla. 1000 | KONP Port Angeles, WA 250 | KDHN Dimmitt, Tex. 500d KWRD Henderson, Tex. 500d KCNY San Marcos, Tex. 250d WBTX Broadway- | WKBV Richmond, IN 1000d WNDU South Bend, Ind. 1000 |
| WTAL Taliahassee, Fla. 1000 WGPC Albany, Ga. 1000 | KUPY Puyallup, WA 1000r WPAR Parkersburg, WV 1000r | WBTX Broadway- Timberville VA 5000d | WNDU South Bend, Ind. 1000 KBUR Burlington, Iowa 1000 WDBQ Dubuque, Iowa 1000 |

| Call | Location | W.P. | Call Location | W.Þ. | | Location | W.P. | Call Location W.P. |
|----------------------------|--|------------------------------|---|---------------------------------|--------------------------|--|-----------------------------------|--|
| KRAR | Indianota ta | 500 | WSEM Danaisanvilla Ca | 10004 | | —196.1 | ₩.F. | 1 |
| KKAN | Mason City, Ia. Phillipsburg, Kans, Topeka, Kan, | 1000 1000 1000 | KUMU Honolulu, Hawaii | 1000d 5000 25 0d | | Andalusia AL Moulton AL Trumann AR | 1000d | WOKJ Jackson, Miss, 50000 WSAO Senatobia, Miss, 5000d KGMO Cane Girardeau, Mo. 5000d |
| WKAY | Glasgow, Ky. Owensboro, Ky. | 1000 1000 1000 | WPMB Vandalia, Ili. WZBN Zion, Ili. WBRI Indianapolis, Ind. WAKE Valparaiso, Ind. | 250 250d 5000d | | | 250d | KKJO St. Joseph, Mo. 5000 KLFJ Springfield, MO 500d |
| WIKC KEUN | Paintsville, Ky. Bogalusa, La. Eunice, La. | 1000 1000 1000 | WAKE Valparaiso, Ind. WKXO Berea, KY KWRG New Roads, La. WVOC Battle Creek, Mich. | 1000d | | Trumann, Ark. Sacramento, Calif Colorado Springs, Col | . 50000 le. 1000d | KICS Hastings, Neb. 5000d KOBY Reno, Nev. 10000d WCGR Canandalgua, N.Y. 250d WKOT Kingston, NY 500d WBVM Utica, N.Y. 1000 |
| KJIN KRUS WPOR | Phillipsburg, Kans. Topeka, Kan. Frankfort, Ky. Glasgew, Ky. Owensboro, Ky. Paintsville, Ky. Bogalusa, La. Eunice, La. Houma, La. Ruston, La. Ruston, La. Portland, Maine Waterville, Maine Hagerstow, Md. | 1000 1000 1000 | WYOC Battle Creek, Mich, WDEE Detroit MI KSTP St. Paul, Minn. WBFN Quitman, Miss. | 1000d 50000r 50000 | | Bridgeport, Conn. Englewood, Fia. | 10000d 1000 50000d | WBVM Uties, N.Y. 1000 WPXY Greenville, N.C. 1000d WYNA Raleigh, N.C. 1000d WYN Tryon, N.C. 1000d |
| WARK WHAV | Waterville, Maine Hagerstown, Md. Haverhill, Mass. Milford, Mass. | 0001 0001 0001 | WBFN Quitman, Miss. KDFN Doniphan, Mo. WKER Pompton Lakes, WGMF Watkins Glen. N.Y | 10004 | WTHO | Daiton, Ga. Thomson GA | 10000d 1000 250 | WTYN Tryon, N.C. 1000d WPGD Winston-Salem NC 1000d KQWB Fargo, N.D. 5000d |
| WMRC WNUS WABJ | Milford, Mass. West Springfield, MA Adrian, Mich. Manistique MI | 1000 | WGMF Watkins Glen, N.Y WLWL Rockingham NC | . 1000d - 250d 500 | KDSN KNBI KWLA | Denison, Iowa Norton, Kan. Many, La. Auburn, ME Chestertown, MD | 500d 1000d 1000d | WDLR Delaware, Ohio 500d KMAD Madill, OK 250d |
| WLRC | Whitehall, Mich. | 1000 | WLWL Reckingham NC WKBX Winston-Salem, N.C. WGFT Yougstown, OH | 10000 | WPNO | Auburn, ME Chestertown, MD | 10000d 250d 5000d | WIDA Braddock, Pa. 1000d WTTC Towards, Pa. 500d |
| KOZY KLGR | Alexandria, Minn. Grand Rapids, Minn. Redwd. Falls, Minn. Biloxi, Miss. Cleveland, Miss. Philadelphia, Miss. Tupelo. Miss. | 0000 0001 0001 | WGIC Xenia. O. KOKN Pawhuska, OK WMNT Manatl, P.R. WEAC Gaffney, S. C. | 500d 5000d | WÝGE KYME WIRI | f Lapeer, Mich. Wyoming, Mi Northfield, Minn, Calbour City Miss | 500d | |
| WLOX | Biloxi, Miss. Cleveland, Miss. Philadelphia, Miss. | 0001 0001 0001 | WEAC Gaffney, S. C. WDEB Jamestown, Tenn. WTNE Trenton, Tenn. KWFA Merkle, Tex. | 250 1000d 1000d 250d | | Calhoun City. Miss Yazoo City, MS Popiarville, Miss, Shakopee, Minn. | | KWBC Navasota, Tex. 250d WKYE Bristol, Tenn. 1000d WPTN Cookeville, Tenn. 250d WOKI Oak Ridge TN 1000 |
| WIFI | Tupelo, Miss. Vicksburg MS Carthage, Mo. Rolla, Mo. | 1000 | -KWFA Merkle, Tex. KXTO Sherman, Tex. KANI Wharton, Tex. | 250d 1000d 500 | KPCR | Bowling Green, Mo Butler, Mo. | . 1000d 500d 1530 | WTBP Parsons, Tenn. 500d WPJD Soddy-Dalsy, TN 1000d KCOM Comanche, Tex. 250d KRGO Sait Lake City, UT 10000d |
| KTTR KDRO KDBM | Rolla, Mo. Sedalia, Mo. Dillon, Mont. Omaha, Nebr. | 1000 10000 1000 | 1510—199.1 | | KECK WJDM WRRY | Lincoln, Nebr. Elizabeth, N.J. Chapel Hill NC Wanchese, N.C. | 5000d 500d 500d | WINDA VIIIUIII, Va. 100000 |
| WEMJ WUSS | Omaha, Nebr., Laconia, N.H., Atlantic City, NJ Los Alamos, N.Mex. | 1000 | KDKB Mesa, AZ KSDM Ontario, Cal. KIRV Fresno, Cal. KTIM San Rafael, Calif. | 10000d 10000 500d | WOBR | Wanchese, N.C. Cincinnati, Ohlo Wagoner, OK Jeanette PA | 250d 50000 250d | KUQ, Bellingham, Wash. 1000d |
| KRSN KRTN WCS8 | Los Alamos, N.Mex. Raton, N.Mex. Amsterdam, N.Y. | 1000 | WNI C New Landon Conn | 10000 10000 | WHYP | 'North East, Pa. McConnellsburg PA | 1000d | WMFR Lake Geneva, Wis. 1000d WMAD Madison, Wis. 5000d |
| WETA | Batavia, N.Y. Kingston, N.Y. Malone, N.Y. | 500 1000 100 0 | WKAO Boynton Beach FL WWBC Cocoa, Fla. WRGI Marco Island FL WINU Highland IL | 1000 250d 1000 | WMBT | Shenandoah, Pa. Utuado, P.R. Spartanburg, S.C. Huntington, TN | b0001 | WEVR River Falls, Wis. 1000d |
| WOLF WOLF WS8B | Los Alamos, N.Mex. Raton, N.Mex. Amsterdam, N.Y. Batavia, N.Y. Kingston, N.Y. Maione, N.Y. Port Jervis, N. Y. Syracuse, N. Y. Durham, N. C. Eden, N. C. Fayetteville, N.C. New Bern, N.C. | 1000 1000 1000 | WINU Highland IL. WJRC Jollet, III. WKAI Macomb, III. WAYT Wabash, Ind. | 100 0d 500d 1000d | WJPJ KGTN KGRT | Huntington, TN Georgetown Tex. Harlingen, Tex. New Boston, TX | 1000d 1000d 50000 | WAGC Centre, AL 1000d KDDA Dumas, AR 500d |
| | | 1000 1000 1000 | WAYT Wabash, Ind, KIFG lowa Falls, Iowa KANS Larned, Kan, KAGY Port Sulphur LA | 250d 1000d 1000d | ! KCLR | New Boston, TX Ralls, Tex. Collinsville VA | 1000d 5000d 1000d | |
| WRMT WSTP WSVM | Rocky Mount, N. C. Sallsbury, N.C. Valdese, N.C. Wilmington, N. C. Hettinger, N.D. Valley City, N. Dak. Chillicothe, Ohio | 1000 1000 1000 | KAGY Port Sulphur LA WMEX Beston, Mass. WJCO Jackson, Mich | 10004 | WPWC KCG0 | Quantico, VA Cheyenne, Wyo. | 250d 10000 | KIQS Willows, Calif. 250d WTAL Eau Gaille, Fla. 5000d WYSE Inverness, Fla. 1000d WKOG Gordon, Ga. 5000d WBYS Canton, III. 250d WSHY Shelbyville, III. 500d |
| KNDC | Wilmington, N. C. Hettinger, N.D. Valley City, N. Dak. | 1000 1000 1000 | WMEX Boston, Mass. WJCO Jackson, Mich. WKPO Prentiss, Miss. KCCV Independence, Mo. | 1000d | I | 195.0 | 10004 | WVAK Panii, Ind. 2504 🖿 |
| MOHI MOHI MINO | Valley City, N. Dak. Chillicothe, Ohlo Cleveland Hahts., O. E. Liverpool OH Marietta, Ohlo Marlon, Ohlo Guthrie, OK Auskoree, Okla. | 1000 1000 1000 | KCCV Independence, Mo. KEMM Marshfield Mo. KTTT Columbus, Nebr. WRAN Dover, N. I. | 250d 500d 10000 | WANL | Camden, AL Lineville AL Phoenix, AZ | 1000d 1000d 1000d | WRIN Rensselaer, Ind. 1000d KRCB Council Bluffs, Iowa 1000d KABI Abilene KS 250d |
| WMRN WMRN KOKC | Marietta, Ohio Marion, Ohio Guthrie, OK | 1000 1000 500 | WRAN Dover, N.J. WIIC Salem, N.J. WPUT Brewster, N. Y. WEAL Greensboro, N.C. | 250d 1000d 1000d | I KKAP | Ozark, AR Hollister, Cal. Aptos-Capitola, CA | 500d 500 1000d | KABI Abilene KS 250d WKDO Liberty, Ky. 250d WAFI Middleboro, Ky. 1000d WDXR Paducah, Ky. 10000 |
| KBIX KBKR KRNR | Muskogee, Okla, Baker, Oreg, Roseburg, Oreg, | 1000 | | | | Los Angeles, CA Jackson GA Sylvester, Ga. | 50000r 1000 1000d | WDXR Paducah, Ky. 10000 KAJN Crowley, LA 1000d WSDL Sildell LA 1000d WSMD La Plata, Md. 1000d |
| WESB WAZL | Muskogee, Okta, Baker, Oreg. Roseburg, Oreg. Salem, Oreg. Bradford, Pa. Hazleton, Pa. ohnstown PA. | 1000 1000 1000 | WEG NOS HIII, WEG NOS HIII, WURN LOGAN, ONIO WURN LOGAN, ONIO WURN LOGAN, ONIO KBJS Sallisaw, Okla. WAHT Annville-Cleona, Pa. WPSL Monroeville, Penn. WVAB Burnettows, S. C. | 500d 1000d | WSMI | Jackson GA Sylvester, Ga. Honolulu HI Litchfleld, III. Boonville, Ind. Decatur, Ind. | 5000d 1000d 250d | WSMD La Plata, Md. 1000d WBUK Portage MI 1000d WBUK Portage MI 1000d KBEW Blue Earth, Minn. 1000d |
| | ohnstown PA Lancaster, Pa. Levittown, Pa. Lewiston, Pa. | 1000 1000 1000 | | | WCBV | Month and Harley | 250d 250d 250d | KLTI Macon, Mo. 250d KTUI Sullivan. Mo. 1000d |
| | Lewiston, Pa. Meadville, Pa. Wellsboro, Pa. Carolina PR | 1000 1000 1000 | WPSC Pageiand, SC WSJW Woodruff, S.C. KMSD Millbank, SD WI AC Nashville, Tann | 500d 1010d 5000d 50000 | KNEX | Waterloo, Iowa McPherson, Kans. Parsons, Kans. Hindman KY | 50000 250d 250d | WWBK Brockport NY 1000 WQXR New York, N.Y. 50000 WTRQ Warsaw, N.C. 12000d |
| WZRR | Pones DD I | 1000 1000r 500 | WSIW Woodruff, S.C. KMSD Milibank, SD WLAC Nashville, Tonn, KCTX Childress, Tex KNAM Midland, Tex, KMOO Mineola, Tex, KYKR Port Arthur, TX KROB Robstown, Tex, KSTV Stephenville, Tex, WBLB Pulaski, VA KAAR Mountlake Terrace. | 250d 500d 250d | l KCIO | Hindman KY Columbia, La. Gretna LA | 1000d 1000d 500d | WWBK Brockport NY 1000 WQXR New York, N.Y. 30000 WTRQ Warsaw, N.C. 12000d WBKC Chardon, Ohio 1000d WTNS Coshocton, Ohio 1000d WCNW Fairfield, 0. 5000d WTOD Toledo, Ohio 5000d KWCO Chickasha, Okla. 1000 KREB Sailisaw, Okla. 250d WBSI Bayamon P.R. 5000 |
| WMRB WSDC | Beaufort, S.C. Chester, S.C. Greenville, S.C. Jartsville SC | 1000 1000 250 | KYKR Port Arthur, TX KROB Robstown, Tex. KSTV Stanbanville Tex | 1000d 500d 250d | I VDVM | Wheaton, Md. Greenwood, MS Kennett, Mo. | 1000d | WTOD Toledo, Ohio 5000d KWCO Chickasha, Okia. 1000 KRBB Sallisaw, Okia. 250d |
| WOPI I | dreenville SC Mitchell, S.Dak. Bristol, Tenñ. Chattanooga, TN | 0001 0001 0001 | WBLB Pulaski, VA KAAR Mountlake Terrace. WA | 1000d | WKXR WPTR WYRD | Exeter. N.H., Albany, N.Y., East Syracuse, NY Burnsville, N.C., Charlotte, N.C. | 1000d 50000 | WCCP Clemson SC 1000d |
| WKVB | Knoxville, TN | 1000r | itun Oponalio, Washi | 50000 10000d | WKYK WRPL WIFM | Burnsville, N.C. Charlotte, N.C. Elkins, N.C. | 1000d 1000d | WWGM Nashville, Tenn. 10000d WBOL Bolivar, Tenn. 250d |
| KNOW KIBL B | Lexington, Tenn. Austin, Tex. Seville TX | 1000 1000 | 1500 1074 | | | Charlotte, N.C. Elkins, N.C. Whiteville NC Bucyrus, Ohio Circleville, OH | 1000d 500d 1000 | KCAD Abilene, Tex. 500d KEGG Daingerfield, Tex. 1000d KHBR Hillsboro, Tex. 250d |
| KOTY | orger TX | 1000 1000 5000r | | 5000d 50000r | WABQ WNIO WRTC | Cleveland, Ohio Niles, Ohio Uhrichsville O | 1000d 500d 250d | KGUL Port Lavaca, Tex. 250d KGUL Port Lavaca, Tex. 500d KGHO Hoqulam, Wash. 1000d KDFL Sumner, Wash. 250d WFSP Kingwood, W.Va. 1000d WGLB Port Washington, Wis. |
| KWMC KSAM | Huntsville, Tex. | 1000 1000 1000 | WTLN Apopka, Fla. WIXX Fort Lauderdale, Fla. WGNB Indian Rocks | 5000d | WRCP | Philadelphia, Pa. Pittston, PA Punxsutawney, Pa. | 50000d 1000d 5000d | |
| KZZN L KPLT F | aredo, Tex. Ittlefield, Tex. aris, Tex. | 1000 1000 1000 | Beach, FL WEXY Oakland Park, Fla. WXPQ Eatonton, Ga. | 10004 | WADK WJJT J WBRY | Newport, R.I. ellico, TN Woodbury TN | 1000d 1000d 500d | 1570-191,1 WCRL Oneonta, AL 1000d WTOX Selma AL 5000d |
| KVWC KVOG | .aredo, Tex. lttlefield, Tex. Paris, Tex. Tyler, Tex. Vernon, Tex. Oden, Utah Brattleboro, Vt. | 1000 | WDGI Dauglagyitta Co | 1000d 1000d 5000d | I KRXV | Fort Worth, TX Galveston, Tex. San Antonio TX | 50,000r 1000 1000d | KBIT Fordyce, AR 250d |
| WYRR | Wells River, VT | 1000 y 1000 y 250n | WNMT Garden City, Ga. WNMT Garden City, Ga. WHOW Clinton, III. WLUV Loves Park, III. WKVI Knox IN WSVI Shelbyville Ind | 500d 250d 1000 | W R G M K Z A A M | Richmond, Va. Believue, W.A. Hartford, Wis, | 10000d 5000 500d | KHNY Riverside, CA 5000d |
| WCVA WVFC | Newport, Vt. Culpeper, Va. Hampton, Ve | 1000 1000 | WSVL Sheibyville, Ind. KSIB Creston, lowa WHIC Hardinsburg, Ky. | 1000d 250d 500d | 1550- | -193.5 | 3000 | WTWB Auburndale, Fla. 5000d WYHI Fernandina Beach Ft. 1000d |
| KBRO KVAC F | Waynesboro, Va. Bremerton, Wash. orks, Wash. | 1000 1000 1000 | WRSL Stanford, Ky. KXKW Lafayette, La. WVOB Bel Air, Md. WTAI Brinawick Md | 10000 250d 500d | WAAY WMOO KUAT | | 5000r 50000d 50000d | WGTW Mount Dora, FL 5000d WOKC Okeechobee, Fla. 1000d WMES Ashburn, Ga. 1000d WGHC Clayton, Ga. 1000d |
| KENE KENE | oremerton, wash. forks, Wash. folso, Wash. foppenish, Wash. faila Walla, Wash. charleston, W.Va. | 0001 0001 | WYEC Ynsilanti, MI | 0000d 250d 10000d | | Fresno, Calif. | 500d | WSSA College Park, Ga. 5000d WGSR Millen, Ga. 250d |
| WAEY | rairmont, w.va. Princeton WV - i | 1000 100 0 000r | WQMA Marks, Miss. KMPI Sikeston Mo. | 250d 5000 | WEXT WRHC | Arvada CO I W. Hartford, Conn. Coral Gables, FL Iew Smyrna Beach | 10000g | WFRL Freeport IL 5000d WBEE Harvey, III. 1000d |
| WSGB | Sutton, W.Va. Beloit, Wis, LaCrosse, Wis, • Medford, Wis, | 1000 1000 1000 | WSLT Ocean City-Somers Pt. N. J. KAMX Albuquerque, NM WKBW Buffaio, N.Y. | 1000d 1000r 50000 | , AL | Tampa, Fla. Augusta, Ga. | 250d 10000d 5000d | WTAY Robinson, III. 250d WIFF Auburn, Ind. 500d WILO Frankfort, Ind. 250d WHEL New Albany, Ind. 1000d |
| KOJO L | shkosh, Wi aramie WY | 1000 1000 500 | WKBW Buffalo, N.Y. WTHE Mineola, N.Y. WDSL Mocksville NC WARR Warrenton NC | 1000d 5000r 1000d | I WYNX | Smyrna, Ga. acksonville, III. forris, III. | 10000 1000d | KMCD Fairfield, Iowa 250d KQWC Webster City IA 250d |
| KUGR 6 | | 1000r 250 1000 | KMAV Mayville, N.D. WBNO Bryan, Ohio | 250d 250d 1000d | WCVL | Corydon, Ind. Crawfordsville, Ind. New Castle Ind | 250d 250d 250 250 250 | KNDY Marysville, Kans. 250d WKYR Burkesville, KY 1000d WLBQ Morgantown KY 250d WKKS Vanceburg, Ky. 250d |
| 1500- | -199.9 | | WINW Canton, O. WKNT Kent, O. WANR Toledo, OH KOMA Okla, City, Okla, KYXI Oregon City, Ore. | 1000d 1000 50000 | WNDI S KIWA KEDD | Bullivan, IN Sheiden, Iewa Dodge City, Kans. | 250d 500d 1000d | WARS Vanicelurg, Ry. WABL Amite, La. 500d KLLA Leesville, La. 1000d KMAR Winnsboro, La. 1000d WTOW Towson, Md. 5000d |
| WKAX | Russellville, AL I | 000d | WCHE West Chester, Pa. WRAI San Juan. P. R. | 50000 250d 10000 | KNIC V WGRK WIRV I | Sullivan, IN Sheldon, Iowa Dodge City, Kans. Vinfield, Kan. Greensburg KY rvine, Ky. Morganfield, Ky. Baton Rouge, La. Shreyeport, La. | 250d 250d 1000d | |
| WFIF N | San Jose, CA 10 filford, Conn, 5 Washington, D.C. 5 (ey West, Fla, New Port Richey, Fla, | 0000r 0000d 00000 | WTGR Myrtle Beach, SC WKMG Newberry, S. C. KCHF Sigux Falls SD | 5000d 1000d 500d | WMSK WLUX KOKA | Morganfield, Ky. Baton Rouge, La. Shreveport, Ja | 250d 5000d 10000 | WDEW Westfield, Mass. 1000d |
| WKIZ I WGUL I WIAF C | (ey West, Fla. New Port Richey, Fla. Iarksville, GA | 250 250d 5000 | WBHT Brownsville, Tenn. WIDD Elizabethton, Tenn. WEXM Jamesville VA' | 250d 1000d 500d | WSER WNTN | Elkton, Md. | 10000q | WFUR Grand Rapids, MI 1000d WFUR Grand Rapids, MI 1000d KUXL Golden Valley, Minn, 1000d WHII Bay Springs MS 1000 WONA Winnna, Miss, 1000d |
| | ONS WORLD/F | all-Wi | | | , | | , | (Continued on page 52) |

| KLEX Lexington, No. 250d WCRV Amsterdam, N. 1000d WSW Leland, Miss 1000d WSW Amsterdam, N. 1000d WSW Leland, Miss 1000d WSW Amsterdam, N. 1000d WSW Leland, Miss 1000d WSW Amsterdam, N. 1000d W | |
|--|---|
| WFLR Dundes, N.Y. 1980bb WFLR Taylorsville, N.C. 1980b WROR Riverhead, NY 1000 WROR Riverhead, NY 1000 WROR Riverhead, NY 1000 WROR Siler City, N.C. 1980bb WROR WROR Siler City, N.C. 1980bb WROR WROR WROR WROR WROR WROR WROR WR | |
| ## MCK Riverhead, NY 0, 00004 WYK T Aylor 2016, N.C. 00006 WGKX Gallion, OH 1, 0.0006 WGLX Derlin, Ohio 2506 WGLX Gallion, OH 1, 0500 WGLX Derlin, Ohio 2506 WFTW Plqua, Ohio 25 | ch, Fla. 100 Fla. 5 |
| MCAX Salier City, N.C. 1000d MCAX GLIGHO, OH 500 MCAX GLIGHO, OH 5 | rden. Fla. 500 |
| VPTW Pigus Ohlo 250d VCRW Washington N. J. 1000d VCLW VCCW | Ga. 100 |
| OLS Pryor, Okla. 1000d VZKY Albemarle, N.C. 250d WYKO Columbus, Ohio 1000d WGG O Salamanes, N.Y. 500d WG | oins, GA 100 gts., III. 100 III. 50 |
| Value Laryone Value Laryone Value | 100 |
| Value Carroge Value Va | 500 ids. lowa 50 Kans. 50 |
| CLE Cleveland, Tenn. 1000d CLE Cleveland, Tenn. 1000d | Ky. 50 |
| 201 Farwon, Tex. 250d VLG La Grange, Tex. 250d VLG La Galveston, Tx 1000d VTI Rocky Mount, Va. 1000d VTI Rocky M | .a, 100 dow, La. 100 500 |
| Value Valu | Md. 10 Mass. 500 |
| TER Terrell. Tex. SWV Pennington Gap. Va. 1000d YTI Rocky Mount. Va. 1000d YTI Rocky Mount. Va. 1000d YTI Rocky Mount. Va. 1000d SRP Charles Cal. Line Carrell Carrel | adow, MA 50 , MI 50 Mich. 50 |
| KWED Squill. EX. 1000d KBT Shamrock. Tex. 1000d KRZ Wae DTX 1000d WARV Warwick-E. Greenwich. Green | Miss. 100 |
| MILA Danville, Va. 1000d VPUP wilskit, Va. 1000d | Mo. 50 lo. 50 |
| FDF Van Buren AR 1000d WTTN Watertown. Wis. 1000d WACA Camden. S.C. 1000d | City, Nebr. 50 lebr. 50 N.Y. 50 |
| 1000d | Y. 100 r. N.Y. 50 |
| VSBF Chattachoochee, Fla. 1000d VSRF Fort Lauderdale, FL 1000d VSRF Fort Lauderdale, FL 1000d VCLS Putta Gorda, FL 5000d VCLS QCF Putta Gorda, Fla. 1000d VCLS Columbus, Ga. 1000d VKLG Glenville, Ga. 1000d VKLG Glenville, Ga. 1000d VKJ MKD Morroe, Ga. 1000d VKJ MKD Morroe, Ga. 1000d VFVR Aurora IL 250d VFVR Aurora III 250d WRLW MYS MYS MYS MYS STANDARD VFVR Princeton, KY STANDARD VFVR AND WAXI Galesburg, III. 5000d WAXI Montgomery, AL 1000 KYAL McKinney WAXI Galesburg, III. 5000d WAXI Galesburg, III. | , N.C. 100 |
| CGT W Mt. Dora, FL 5000d WYNA Tuscumbia, AL 5000f CCF Punta Gorda, Fla. 1000d KYDE Pine Bluff, AR 1000d KYDE | NC IC |
| KEBB Ventura-Oxnard, CA | OH 100 OH 100 |
| KUN Monroe, Ga. 1000d KBBQ Ventura-Oxnard, CA 5000 WGOE Richmond, Va. 5000d KUN Vetorville, Calif. 500d KUU U Seattle, Wash. 5000d WHOL Allentown Fig. 500d WIXK New Richmond, Wis. 5000d WAYC Bedford, Fig. 500d WWW Platteville, Wis. 1000d WWW Platteville, W | o 50 kla. 100 reg. 50 |
| VOQN Duquoln, III. 250d WQQW Waterbury CT 8000 WSW Platteville, Wis. 1000d WLZ Bayamon, VCCR Urbana, III. 250d WRXB St, Perterside Beach, VIVA South Bend, Ind. 250d VAMW Washington, Ind. 250d CHA Charles City, Iowa 800d WLFA Lafayette, Ga. 8000 W | eg. 50 Ore. 100 Pa. 50 |
| VCUR Orbans, III. CNB Connersville, Ind. 250d VFLE S. Daytona, Fla. 1000d VAMW Washington, Ind. 250d VAMW Washington, Ind. 250d VAMW Washington, Ind. 250d VAMW Washington, Ind. 250d VALG Albany, Ga. 250d VAL | A 100 wn, Pa. 5 P.R. 10 |
| VAMW Washington, Ind. 250d WALG Albany, Ga. 5000 WKBJ Milan, Te. CHA Charles City, lowa 500d WLFA Lafayette, Ga. 5000d WTGA Thomaston, Ga. 500d CONNECTION OF CONNECTION O | n. SC 100 |
| KBOR Brownsvill. KEWS Cuero TX WATS Indianapolis, IN 5000d WATS VARYU Georgetown, Ky. 1000d WATS Indianapolis, IN 5000d WATS In | in. iot |
| WARU Georgetown, Ky. 1000d WARK Galesburg, III. 5000d WXVI Montgomery, AL 1000 KYAL Mekinghold, Ky. 250d WPCO Mt. Vernon, Ind. 500d KVIO Cottonwood AZ 1000d KVAL Mekinghold, KVIO Cottonwood AZ 1000d KVIO GT Orange, T KIPK Centerville KVIO KVIO KVIO KVIO KVIO KVIO KVIO KVIO | . TX 10 |
| KLUV Haynesville, La. 1000d KWBG Boone IA 1000d KXEW Tucson, AZ 1000d KURK Centerville KLOU Lake Charles, La. 1000 KVGB Great Bend, Kans. 5000 KCGS Marshall, AR 1000d KURK Centerville WPGC Morningside, MD 10000d WLBN Lebanon, Ky. 1000d KGST Fresno, Cal. 5000d WNFM WRBI St. Johns, Mich. 1000d WISZ Gien Burnie, Md. 500 KWOW Pomona, CA 5000 WNST Milton, WISZ Gien Burnie, Md. 500 KWOW Pomona, CA 5000 WNST Milton, WNST Mil | TX 100 Tex. 500 |
| WPGC Morningside, MD 10000d 'WLBN Lebanon, Ky. 1000d KGSI Fresho, Cat. 5000r WNST Milton, W' WRBJ St. Johns, Mich. 1000d WNSZ Gien Burnie, Md. 500 KWOW Pomona, CA 5000r WNSU Wheeling KZON Santa Maria Cat. 500d WNEU Wheeling | 01 100 |
| | / 500 WV 500 Is. 50 |
| U.S. AM STATIONS BY LOCATION | |
| Call blig | Call kH |
| Estation Can NIZ Estation | |
| Abbeville, La. KROF 980 KKIM 1000 KANC 1030 KKOD 750 | WISE 131 WKKE 131 WSKY 12: WWNC 5: |
| Aberdeen, Md., WAMD 970 KPAR 1900 KMAR 500 Ashland, Ky. | WTCR 14 |
| Aberdeen, S.Dak. KABR 1420 KABR 1420 KABA 1580 Aleoa, Tenn. KZIA 1580 Andalusia, AL WKYD 920 Ashland, Ohle Ashland OR | WNCO 134 |
| Aberdeen, Wash. KBKW 1450 Alexander Dig, Alla WRES 1050 WHRI 1240 Ashland, Va. | WIVE 14 |
| KDRS 1410 Andrews, Texas KACT 1360 | WAQI 16 WREO 9 KSNO 12 |
| Abilene, Kans. KABI 1560 Alexandria, Minn. KXRA 1490 WYRE 810 Astoria, Oreg. | |
| Ada, Okia. KADA 1230 Algona, lowa KLGA 1690 Ann Arbor, Mien. WAM 1910 Athenson, Kana Ada, Okia. KADA 1230 Athenson, Kana | KVAS 12 KARE 14 WKAC 10 WGAU 13 WDOL 14 |
| Adrian Mich WABI 1490 Allendate, S.C. WOOD 1400 | WRFU 2 |
| Agana, GU KUAM 810 Allentown, Pa. WHOL 1800 Anniston AL WANA 1480 KATB 570 KATB 570 WKAP 1320 WHAA 1390 Athens, Ohlo KTWG 770 KTWG 770 WSAN 1470 Annyllie-Cleona, Pa. WANT 1510 Athens, Tenn. | WOUB 13 |
| KTWG 770 KTWG 770 WSAN 1470 Annville-Cleona, Pa. WAHT 1510 Athens, Tenn. Aguadilla, P.R. WABA 850 Alliance, Nebr. KCOW 1400 WAHT 1510 WGRF 1340 Alliance, Ohio WFAH 1310 Ancka, Minn. KANO 1470 Athens. Tex. Aboekia N.C. WRCS 970 Aima, Ga. WULF 1400 Ansonia, Conn. WADS 690 Atlanta, Ga. | WLAR 14 WYXI 13 KBUD 14 WPLO 8 |
| Ahoakis, N.C. WHGS 970 Alma, Mel. WFYC 1280 Antigo, Wis. WATK 900 Alma, Mel. WFYC 1280 Antigo, Wis. WAYL 910 1 | WIGO IS |
| Ainsworth, NE KBRB 1400 Ainswo | WERD 8 WGKA II WGST 8 |
| 700 000 000 000 000 000 000 000 000 000 | WGUN I |
| Alamosordo, N.M. KALG 1230 WVAM 1430 Aptes-Capitola CA KKAP 1840 | WQXI 7 WSB 7 WYZF 14 |
| Altus. Okla. KWNW 1450 Arab. AL - WKAD 1560 Atlanta-Decatur | GA WGUN I |
| | |
| Alamosa Colo. KGIW 1450 Amarillo, 1e2. KDRR 1440 Ardmore, Okla. KVSO 1240 Atlantie, lowa Ardmore Tenn. WSLV 1110 Ardmore Tenn. WSLV 1110 Atlantie Beach, WJAZ 980 KIXZ 940 Acres bo, P.R. WOMN 1280 WIK 1230 WIK 1230 KZIP 1310 WMIA 1070 | Ela WINI I |
| | FIA. WJNJ 10 I.J. WFPG 14 WUSS 14 |
| WORD 1700 Ames Jawa KASI 1430 Arkan, City, Kana, KSOK 1260 Auhurn AL | WMID IS |
| WOI 640 Artinaton Fla WKTZ 1220 Auburn Calif | WMID IS WATM IS KEOR I WARA IS |
| Albany, Ores. KWIL 790 Amherst, Mass. WTTT 1430 Arlington, Va. WAVA 780 Auburn, Ind. Albarmarie N.C. WABZ 1010 Amherst VA WKYY 1420 Arroye Grande CA KFYV 1280 Auburn, Me. Auburn, N.Y. WABZ 1010 Amite, Ls. WABL 1570 Artesia, N.M. K8VP 990 Auburn, N.Y. Award, Miss. WABV 1580 Amery Miss. WABV 1580 Amery Miss. WABV 1580 Amery Miss. WABV 1580 Auburn, Wash. | WMID IS WATM II KEOR I |

| Location Call kHz | Location Call kHz | Location , Call kHz | Location Call kHz |
|---|--|--|---|
| Augusta, Ga. WAUG 1550 | Beloit, Wis, WGEZ 1490 WBEL 1380 | Bradford, Pa. WESB 1490 Brady, Tex. KNEL 1490 | Cannon City, Colo. KRLN 1400 Canonsburg, Pa. WARD 540 |
| Augusta, Maine WRDO 1400 WFAU 1340 | Belton, S.C. WHPB 1390 Belton, Tex. KTON 940 Beltonl, Miss. WELZ 1460 | Brady, Tex. KNEL 1490 Brainerd, Minn. KLIZ 1380 KVBR 1340 Brandon, Miss. WRKN 970 | Canton, Ga. WCHK 1290 Canton, III. WBYS 1580 Canton, Miss. WMGO 1370 |
| Aurora, Colo. KOSI 1430 Aurora, III. WMRO 1280 WFVR 1580 | Bemidji, Minn. » KBUN 1450 Bend, Oreg. KBND 1110 KGRL 940 | Branson, Mo, KBHM 1220 Brattleboro, Vt. WTSA 1450 | Canton, N.C. WWIT 976 WPTL 920 |
| Aurora, Mo. KSWM 940 Austell, Ga. WACX 1600 Austin, Minn. KAUS 1480 | Bennetsville, S.C. WBSC 1550 Bennington, Vt. WBTN 1370 | Braviey, Calif. KROP 1300 Brazil, IN WWCM 1130 | WOLO 1060 WINW 1520 |
| Austin TX KNOW 1490 | Bensun, N.C. WPYB 1130 Benton AR KBBA 690 | Breckenridge, Minn, Wahpeton, N.D. KBMW 1450 Breckenridge, Tex. KSTB 1430 Bremen, Ga. WWCC 1440 | WNYN 900 Canyon, Tex, KCAN 1550 Cape Girardeau, Mo. KFYS 960 KZYM 1220 |
| KLBJ 590 Koke 1370 | KGKO 850 Benton, Ky. WCBL 1290 Benton Harbor-St. Joseph. Mieh. WHFB 1060 | Bramerton Wash KRRB 1400 | Cape Girardeau, Mo. KFVS 960 KZYM 1220 KGMO 1550 Carbondale, 111. WCIL 1020 |
| Ava, Mo. KSOA 1430 Avalon, CA KBRT 740 | I BACAR KY WKYN IKON I | Brenham, TX KTTX 1280 Brevard, N.C. WPNF 1240 Brewster, N.Y. WPUT 1510 Brewton AL WEBJ 1240 | Carbondale, Pa. WCDL 1440 Carlbou, Maine WFST 600 Carlisle, Pa. WHYL 960 |
| Avondale Estates, Ga. WAVO 1420 Avon Park, FL WAPR 1890 | Berkeley CA KRE 1400 Berkeley Springs, W.Vs. WCST 1010 Berlin, N.H. WMOU 1230 | Bridgeport AL WBTS 1480 Bridgeport, Conn. WICC 600 | Carisbad, N.Mex. KAVE 1240 |
| Aztee, N. Mex. KHAP 1340 Babylon, NY WNYG 1440 WGLI 1290 | WRRI 1400 | WDJZ 1530 WNAB 1450 Bridgetown, N.J. WSNJ 1240 | Carmel, Calif. KRML 1410 |
| Bad Axe, Mich. WLEW 1340 Bainbridge, Ga. WMGR 930 WAZA 1360 | Berlin Wis. WISS 1090 Berry Hill, Tenn. WVOL 1470 Berryville, Ark, KTHS 1480 Berwick, Pa. WBRX 1280 | Brigham City, Utah KBUH 800 Brighton, Colo. KBRN 800 Brightey AR KBRI 1570 Bristol, Conn. WBIS 1440 | Carmi, III. WROY 1480 Carnegle, PA WPLW 1590 Caro, Mich. WKYO 1380 Carolina PR WVOZ 1490 |
| Baker, Mont. KFLN 960 Baker, Oreg. KBKR 1490 | Bessemer AL WYAM 1450 Bethel AK KYUK 580 Bethesda, Md. WGMS 570 | Bristol, Conn. WBIS 1440 Bristol, Tenn. WOPI 1490 WKYE 1550 | Carrington, N.Dak. KDAK 1600 |
| Bakersfield, Calif. KAFY 550 KB18 970 KERN 1410 | Bethlehem, Pa. WGPA 1100 Beverly, Mass. WMLO 1870 Biddeford, Maine WIDE 1400 | Bristol, Va. WZAP 690 WFHQ 980 Broadway-Timberville VA | Carroll, Iowa KCIM 1380 Carollton AL WRAG 590 |
| KGEE 1280 KUZZ 800 KLYD 1350 | Big Bear Lake, CA KBBV 1050 Big Delta, Alaska WXLL 980 Big Lake, Tex. KWGH 1290 | WBTX 1470 Brockport NY WWBK 1560 Brockton, Mass. WBET 1460 | Carrollton, Ga. WLBB 1100 |
| KWAC 1490 KPMC 1560 Bajdwinsville, N.Y. WSEN 1050 | Big Rapids, Mich. WBRN (460 Big Sprg., Tex. KBST 1490 KHEM 1270 | Broken Bow, Nebr. KCNf 1280 | Carson City, Nev. KPTL 1300 Cartersville, Ga. WBHF 1450 |
| Ballinger, Tex. KRUN 1400 Baltimore, Md. WBAL 1090 WAYE 860 | Big Stone Gap, Va. WLSD 1220 Biloxi, Miss. WLOX 1490 | Bronson, Mo. KBHM 1220 Brookfield, Conn. WINE 940 Brookfield, Mo. KGHM 1470 | Carthage, III. WCAZ 990 Carthage, Mo. KDMO 1480 Carthage, MS WECP 1480 |
| WBMD 750 WCAO 600 WCBM 680 | Blilings, Mont, KBMY 1240 | Brooknaven, Miss. WCHJ 1470 WJMB 1340 Brookings Orea KIIRV 010 | Carthage, Tenn. WRKM 1350 Carthage, Tex. KGAS 1590 |
| WEBB 1360 WFBR 1300 | KGHL 790 KOOK 970 KOYN 910 | Brookings, S.Dak. KBRK 1430 Brookline. Mass. WUNR 1600 Brookneal, Va. WODI 1230 | Caruthersville, Mo. KCRV 1370 Casa Grande AZ KPIN 1260 Casev. III. WKZI 800 |
| , WSID 1010 | Binghamton, N.Y. WINR 680 WKOP 1360 | Brooksville, Fla. WWJB 1450 | Casper, Wyo. KTWO 1030 KVOC 1230 |
| Bamberg-Denmark, S.C. WWBD 790 Banger, Maine WABI 910 | WNBF 1290 Birmingham AL WAPI 1070 WERC 960 | Brownsville, Tenn. WBHT 1520 Brownsville, Tex. KBOR 1600 | Cathedral City, CA KWXY 1340 Catskill, N.Y. WCKI 560 |
| WGUY 1250 WLBZ 620 Baraboo, Wis. WB00 740 | WCRT J260 WAQY J220 | Brunswick, Ga. WGIQ 1440 | Cayee, S.C. WCAY 620 Cayey, P.R. WLEY 1080 |
| Barceloneta, PR WBQN (180 Bardstown, Ky. WBRT 1320 Barbourville, Ky. WYWY 950 Barnesbore, Pa. WNCC 950 | WENN 1320 WATV 900 WSGN 610 WYDE 850 | WMOG 1490 WYNR 790 Brunswick, ME WKXA 900 | Cedar Falls, Iowa KCFI 1250 |
| Barnesbore, Pa. WNCC 950 Barnesville, Ga. WBAF 1090 Barnwell, S.C. WBAW 740 | Bisbee AZ KSUN 1230 | Brunswick, Md. WTRI 1520 Prush, CO KCMP 1010 Bryan, Ohio WBNO 1520 | Cedar Rapids, Iowa KCRG 1600 KLWW 1450 WMT -600 |
| Barre, Vt. WSNO 1450 Barrow, AK KBRW 880 | Bishop, Calif. KIBS 1230 Bishopville, S.C. WAGS 1380 Bismarck, N.Dak. KFYR 550 | Bryan TX KTAM 1240 | Cedartown, Ga. WGAA 1340 |
| Bartlesville, Okia, KWON 1400 | KBMR 1350 Bismarck-Mandan, ND KWWB 1270 | Buckhannon, W.Va. WBUC 1460 Bucyrus, Ohio WBCO 1540 Buena Vista, VA. WRNV 1270 Buffal, Hodgemylle KV | Celina, Ohio WCSM 1350 Center, Tex. KDET 930 Centerville, Iowa KCOG 1400 Centerville, Ind. WHON 930 |
| Bartow, Fla. WBAR 1460 WPUL 1130 Bassett, Va. WODY 900 | Black Mountain, N.C. WBMS 1350 WFGW 1010 | Buffalo-Hodgenville, KY WLCB 1430 Buffalo NN KRWC 1360 | Centreville, Miss. WLBS 1580 Centerville, Tenn. WHLP 1570 Centerville, UT KLRK 1600 |
| Bastrop, La. KTRY 730 KVOB 1340 Batavia, N.Y. WBTA 1490 | Black River Falls, Wis. WWIS 1260 Blackfoot, Idaho KBLI 690 | Buffalo, N.Y. WBEN 930 WYSL 1400 WEBR 970 | Central City, Ky. WNES 1050 WMTA 1380 Centralia, III. WILY 1210 |
| Batesville AR KBTA 1340 Batesville, Miss. WBLE 1290 | Blacksburg, Va. WKEX 1430 WGBX 710 | WGR 550 ~ WKBW 1520 WWOL 1120 | Gentralia & Chehalis, Wash. KELA 1470 |
| Bath, Maine WJTO 730 Bath, NY WVIN 1380 Baton Rouge, La. WAIL 1260 WLUX 1550 | Blackstone, Va. WKLV 1440 Blackwell, Okla. KLTR 1580 | Buffalo, Wyo. KBBS 1450 Buford, GA WDYX 1460 Burgaw NC WVBS 1470 | Centreville AL WBIB 1110 |
| WLUX 1550 WYNK 1380 WIBR 1300 | Blaine, Wash. KARI 550 Blakely, Ga. WBBK 1260 Blanding, Utah KUTA 790 Bloomington, III. WJBC 1230 | Burten, Wash. KQIN 800 Purkesviile. KY WKYR 1579 Burley, Idaho KBAR 1230 | Ceres, Calif. KLOC 920 Chadburn, N.C. WVOE 1590 Chadron, Nebr. KCSR 610 |
| WJBO 1150 WLCS 910 WXOK 1460 Battle Creek MI WBCK 930 | Bloomington, Ind. WTTS 1370 Bloomsburg, Pa. WCNR 930 | Burlington, Colo. KNAB 1140 Burlington, Iowa KBUR 1490 KKUZ 1150 | Chambersburg, Pa. WCHA 800 WCBG 1590 Champaign, III. WDW8 1400 |
| WKNR 1400 | Blue Earth, Minn. KBEW 1560 Bluefield, W.Va. WHIS 1440 | Burlington, N.C. WBBB 920 WBAG 1150 | Champaign, III. WDWS 1400 Chanute, Kan. KKOY 1460 Chapel Hill, N.C. WCML 1360 WRBX 1530 Chardon, O. WBKC 1560 |
| Baxley, Ga. WUFE 1260 Bay City, Mich. WRCM 1440 | WKOY 1240 Blythe, Calif. KYOR 1450 Blytheville AR KLCN 910 | Burlington-Graham, N.C. WBBB 920 Burlington, Vt. WBBB 920 WJOY 1400 WJOY 1230 | Chardon, O. WBKC 1550 Charlerol, Pa. WESA -940 Charles City, Iowa KCHA 1580 Charleston, III. WEIC 1270 Charleston, Mo. KCHR 1350 |
| Bay City, Tex. WXOX 1250 Bay Minette AL WBCA 1110 Bayamon, P.R. WLUZ 1800 | Boaz, AL WBSA 1300 Boca Raton, Fla. WBBR 740 Bogafusa, La. WIKC 1490 | WVMT 620 | Charleston, III. WEIC 1270 Charleston, Mo. KCHR 1350 Charleston, S.C. WCSC 1390 |
| Bayou Vista, LA KQKI 1170 | Boise ID KBRJ 950 KBQ1 670 | Burney, Cal. KAVA 1450 Burns, Oreg. KRNS 1230 | Charleston, S.C. WCSC 1390 WOKE 1340 WPAL 730 WQSN 1450 |
| l Rav Springe Mise WUII 1676 | KGEM 1140 K1DO 630 KSPD 790 | | WTMA 1250 Charleston, W.Va. WCAW 680 WCHS 580 |
| Baytown, TX KBUK 1360 Beacon, N.Y. WBNR 1260 Beardstown, III. WRMS 790 Beatrice, Nebr. KWBE 1450 | Bolivar, Mo. KBLR 1130 Bolivar, Tenn. WBOL 1560 Bonham, Tex. KFYN 1420 | Butta Mant KROW 550 | WXIT 1490 WKAZ 950 WTIP 1240 |
| Beaufort, N.C. WBMA 1400 Beaufort, S.C. WBEU 940 WSIB 1490 | Boone, lowa KWBQ 1590 | Caho Rojo, P.R. WEKO 930 Cadillae, Mich. WATT 1240 | Charles Towns, WV WXVA 1550 |
| Benumont, Tex. KLVI 560 KAYC 1450 KJET 1380 | Boonville, Ind. WBNL 1540 | Cadlz, Ky. WKDZ 1110 Caguas, P.R. WNEL 1430 | Charlotte, Mich. WCER 1390 Charlotte, N.C. WBT 1110 |
| Beaver Dam. Wis WREV 1490 | Boonville, N.Y. WBRV 900 Borger TX KQTY 1490 | Cairo, Ga. WGRA' 790 Cairo, III. WKRO 1490 | WAYS 610 WGIV 1600 WHYN 1810 |
| Beaver Falls, Pa. WBVP 1230 Beckley, W. Va. WJLS 560 WCIR 1070 WWNR 620 | Boston, Mass. WBZ 1030 WCOP 1150 WILD 1090 | Calais, Maine WQDY 1230 Caldwell, Idaho KCID 1490 KBGN 910 | W80C 930 W18T 1240 WAME 1480 |
| Bedford, Ind, WBIW 1340 Bedford, Pa. WBFD 1310 | WEZE 1260 WEEL 590 | Calera AL WBYE 1370 Calexico, Calif. KICO 1490 | Charlotte Amaile, V.I. |
| Bedford, Va. WAYC 1600 Beeville, Tex. KIBL 1490 KACO 1090 | WHDH 850 WMEX 1510 WRKO 680 | Camas. Wash. KVAN 1480 | Charlottesville, Va. WCHV 1260 WSTA 1540 Charlottesville, Va. WCHV 1260 WINA 1070 Chase City, Va. WHEK 880 Chatham, Va. WKBY 1080 Chatthougher Flee |
| Bei Air, Md. WVOB 1520 Beien, N. Mey. KARS 980 | Boulder, Colo. KBOL 1490 KADE 1190 KADE 1190 KBAN 1410 | Cambridge, MD WCEM 1240 Cambridge, Mass. WCAS 740 Cambridge, Ohlo WILE 1270 | Chase City, Va. WMEK 980 Chatham, Va. WKRY 1080 |
| Bellaire, Ohlo WOMP 1290 | Bowling, Green, Ky. WKCT 930 WBGN 1340 | Camden AL WCOX 1540 Camden AR KAMD 910 KJWH 1450 | Chattanooga, Tenn. WMOC 1450 |
| Bell Fourche, S.Dak. KBFS 1450 | Bowling Green, Mo. KPCR 1530 Bowl, Green, Ohlo WMGS 730 | Camden. N.J. WCAM 1310 WTMR 800 | WDEF 1370 WDOD 1310 WDXB 1490 |
| Belleville, III. WIBV 1260 Bellevie, WA KZAM 1540 | Boynton Beach FL. WKAO 1510 Bozeman, Mont. KXXL 1450 KBMN 1230 | Camden, Tenn. WFWL 1220 Cameron, MO KMRN 1360 | WGOW 1150 WNOO 1260 |
| KGMI 790 KOQT 1550 | Braddock, Pa. WLOA 1550 Braddocks Heights, Md. | Cameron, Tex. KMIL 1330 Camilla, Ga. WCLB 1220 | Cheboygan, Mich. WCBY 1240 Checktowaga, N.Y. WNIA 1230 Chehalis-Centralia, Wash. |
| Beliville, TX KBFW 930 KACO 1090 Belmont, N.C. WCGC 1270 | DISCOULUD, FIS. WARE 1490 | Campbellsville, Ky. WTCO 1450 Camuy, P.R. WCHQ 1360 | Chelan, Wash. KOZI 1230 Cheraw, S.C. WCRE 1420 |
| IUNICATIONS WORLD/Fall-Wir | พัติตัว 1470 nter 1976 | Canadaigua, N.Y. WCGR 1550 | Cherryville, N.C. WCSL 1590 |

CB NEW PRODUCTS

Communications World looks at some of the newest CB transceivers, antennas and accessories for you to use in CB contacts this year!



Power Output Indicator

Bunker Ramo has introduced a new Amphenol combination — an illuminated power output insulator and dummy load that provides a visual indication of CB transmitter performance. Designated Amphenol Model 83-888, the new device consists of a light-terminated coaxial load mounted in a modified UHF connector (PL-259-type) body. It can be used to precisely



CIRCLE 51 ON READER SERVICE COUPON

tune the transmitter for maximum output-the brighter, the light, the greater the output. Power modulation can also be quickly checked, since brilliance of the light increases and varies when someone talks into the microphone, if the AM transmitter is functioning properly. In addition, Amphenol Model 83-888 prevents illegal and annoying interference with other stations while transmitter adjustments are being made. The unit can also be used to check SSB carrier balance. There will be no glow if the carrier is correctly nulled. To check for SSB modulation, talk into the micro-phone and the light will glow with modulation. The new power output indicator impedance is 52 ohms nominal, and the frequency range is 0.32 MHz. Power rating is 4 watts maximum: VSWR is 1.1:1 at 27 MHz. The 83-888 sells for \$3.70. For more information about the new Amphenol Model 83-888 power output indicator, contact: Bunker 'Ramo RF Division, 33 E. Franklin St., Danbury, CT 06810.

Transceiver Mounting Bracket

Mura Corporation announces a universal-type mounting bracket for CB units which will offer the user a wide selection of mobile transceiver installations. The CBB-9, a unique innovation, will allow the user to select any number of mounting positions. Included in these positions are under-the-dash mounting, on-the-transmission-hump, and a host of other new and versa-



CIRCLE 47 ON READER SERVICE COUPON

tile hook-ups. The CBB-9 features an acoustical opening on the bracket which allows units with bottom-loaded speakers the convenience of unaffected sound. The suggested list price of this unit is \$7.95, and it is available at most electronic or CB communication centers. For further information, please contact the Mura Corporation, 177 Cantiague Rock Road, Westbury, NY 11590.

Compact CB

A compact transceiver, the Catalina III by SBE, provides full power output on all 23 CB channels and a full complement of professional features. It is being offered by SBE to those who want big performance from their mobile AM CB but require a compact configuration to fit their autos, wans, or RVs. The Catalina III weighs only 3 pounds and measures just 2.2 in. high by 6.3 in. wide by 7.9 in. deep. The Catalina III, identified as Model SBE-29CB, includes built-in automatic noise limiter; adjustable squelch and volume controls; à backlight-

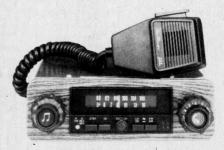


CIRCLE 61 ON READER SERVICE COUPON

ed dual-function meter to monitor transmitter power output/modulation and signal strength of received stations. It operates on 13.8 VDC, with either a positive or negative ground, but it can also be operated on 117 VAC with an optional accessory power pack (SBE-1AC) avail-from SBE. The Catalina III sells for \$149.95. For complete information, write SBE, Dept. P, 220 Airport Blvd., Watsonville, CA 95076.

In-Dash Triple Pack

A new 3-in-1 in-dash unit by J.I.L. combines a 23-channel AM CB transceiver, AM/FM, stereo radio, and 8-track tape player. It's the Model 852CB and it fits into virtually all cars, trucks, and recreational vehicles, in-dash without cutting. J.I.L. has simplified installation by equipping each unit with a 105mm nosepiece, universal faceplate, adjustable shafts, and a detailed installation instruction booklet. The J.I.L. 852CB transceiver offers front panel controls that include a variable squelch control to reduce nose conditions, stand-by button, and a transmit/receive red and green indicator light. For broadcast reception, the control features of the 852CB AM/FM/MPX radio include a local/ distance switch that virtually eliminates unwanted, interfering signals in fringe areas. An AM/FM switch, volume, balance, and tone controls are also provided. J.I.L. has incorporated a quality engineered 8-track tape player in the 852CB with such controls as a program chan-

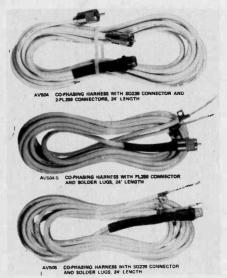


CIRCLE 46 ON READER SERVICE COUPON

nel selector and program indicator light. The unit's radio dial flips up to become a cartridge slot and also gives easy access to the antenna trimmer control. The Model 852CB sells for \$399.95. For all the facts, write to J.I.L. at 1000 East Del Amo Blvd., Carson, CA 90746.

Co-Phasing Harness

Here are three co-phasing harness kits for interconnecting any two CB mobile antennas in correct relation to provide a 25-percent increase in system performance. Made by Avanti, each kit comes with different cable terminations. The AV504 (\$10.95) has one \$0239 connector



CIRCLE 65 ON READER SERVICE COUPON

and two PL259 connectors; the AV504-5 (\$10.95) has one PL259 connector and two sets of solder lugs; and AV505 (\$10.95) has one S0239 connector and two sets of solder lugs. Total cable length is 24 feet. These kits provide a wide aperture in mounting the two antennas to eliminate directional characteristics and to give omni-directional performance. For more information on these and other co-phasing harnesses, write to Avanti, 340 Stewart Ave., Addison, IL 60101.

(Continued on page 53)

(Continued from page 50)

CB Converter

The Finney Signal 23 is a high performance Citizen's Band converter, designed for automobile installation. The Signal 23 converts all 23 CB channels to the standard AM broadcast frequencies, thus making any auto radio a CB receiver. The converter directly utilizes the auto radio's antenna (whether it be a whipmount or windshield type) eliminating the need for a special antenna. A tunable gain control is



CIRCLE 56 ON READER SERVICE COUPON

provided to help eliminate interfering signals and ignition noise. The push-push on/off switch in the off position totally disables the Signal 23, thus the unit will have no effect on normal AM/FM reception. A LED glows in the on position. Designed for use with a 12-volt negative ground, system, the Signal 23 takes only a few minutes to install and comes complete with all hardware, instructions, and a limited consumer warranty. The Signal 23 has a list price of \$38.00. Get the complete specs by writing to The Finney Co., 34 West Interstate, Bedford, OH 44146.

No-Hole Mounted CB Antenna

"Revolutionary" red, white, and blue styling is featured on a new copper-core fiberglass CB trunk mounted-whip antenna introduced by Breaker. The 43-inch "Spirit of '76" (Model 10-235) high performance antenna may be mounted



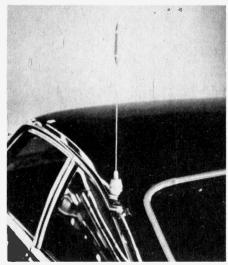
CIRCLE 60 ON READER SERVICE COUPON

along the side or rear lip of any vehicle trunk lid. No drill holes are required and an antiscuff rubber mounted base protects the surface of the trunk. Simple bolt-on fastening permits the antenna to be easily installed or removed for hide-away trunk storage. The Breaker antenna includes a static arrestor tip, weather-resistant stainless steel spring, and a fine-tunable high-impact ABS encapsulated base load coil to achieve maximum transmission and re-

ception efficiency. Heavy-duty, corrosion-resistant mounting brackets and hardware are included in addition to a 18-foot coax transmission cable terminated with a PL-259 plug for quick connection to any SO-239 transceiver receptacle. An Allen wrench is also furnished for easy antenna length fine tuning. The Breaker "Spirit of '76" antenna is available nationwide at electronic distributors for only \$24.95. For additional information contact the Breaker Corporation, Marketing Department, 1101 Great Southwest Parkway, Arlington, TX 76011.

CB Hatchback Ears

A new mobile monitor antenna designed for use on hatchback model cars has been introduced. The center-loaded MON-60, by Antenna Specialists, comes with an adjustable mount that allows the user to set the antenna in the vertical position, compensating for the sloped roof line of the new hatchback and fastback cars. It can also be used for trunk mounting.



CIRCLE 70 ON READER SERVICE COUPON

The MON-60 provides complete coverage of all three police and public safety bands. Price is \$22.95. For further specifications contact: The Antenna Specialists Co., 12435 Euclid Avenue, Cleveland, OH 44106.

CB Antenna Eliminator

Numark Electronics has developed their CB Antenna Eliminator, Model CB-160. The Numark Antenna- Eliminator converts an AM car radio antenna to a perfect dual-purpose antenna for



CIRCLE 48 ON READER SERVICE COUPON

radio and CB use. This device greatly reduces CB theft, and eliminates CB antenna vandalism. No additional CB antenna installation is necessary. The CB-160 Antenna Eliminator features tunable SWR, easy installation, and dependable performance. Sells for \$29.95. For complete in-

formation, write to Numark Electronics Corp., 503 Raritan Center, NJ 08817.

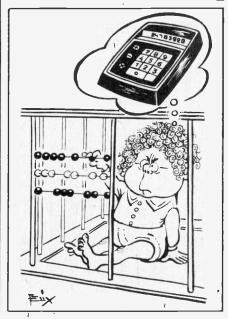
CB One-Hander

Radio Shack has introduced a new CB twoway radio that puts all the operating controls in the palm of your hand. The new Realistic TRC-61, known as the "One-Hander", has the on-off/volume control, squelch and 23-channel



CIRCLE 32 ON READER SERVICE COUPON

selector built into the microphone. The 1½ x 51/4 x 7-in. remote section can be mounted in otherwise inaccessible locations and is easily concealed as a deterrent to theft. All crystals are supplied for 23-channel operation and the radio is rated at four watts RF power output maximum. The One-Hander has a built-in fulltime noise blanker and automatic noise limiter circuit to reduce ignition-type noise, and ceramic filtering to eliminate station interference. A three-position switch on the transceiver selects a built-in speaker, external speaker or uses the microphone as a speaker. Sensitivity is given as 0.5 uV for 10 dB S+N/N. Selectivity at -6 dB, ±3 kHz. Adjacent channel rejection is rated at 60 dB. The Realistic TRC-61 One-Hander is priced at \$149.95. For 12 VDC, positive or negative ground. Available exclusively from more than 4,000 Radio Shack stores and dealers nationwide.



| cation | Call kHz | Location | Call kHz | Location | Call kHz | Location | Call kHz |
|--|---|--|--|--|--|--|--|
| herokee, Iowa hesapeake, Va. hester, III. | KCHE 1440 WCPK 1600 KSGM 980 | Colo. Sprgs., Colo. | KPIK 1580 KVOR 1300 | Cynthlana, Ky, Dade City, Fla. Daingerfield, Tex. | WCYN 1400 WDCF 1350 KEGG 1560 | Douglas, Wyo. Douglasville, Ga. | WOKA 1310 KWIV 1050 WDGL 1520 |
| hester, Pa. | WEEZ 1590 WVCH 740 | | KSSS 740 KYSN 1460 | Dallas, Oreg. Dallas, Tex. | KXIT 1410 KROW 1460 | Dover, Del. | WD0V 1410 |
| hester, S.C. hester, Va. | WGCD 1490 WIKI 1410 WCTR 1530 | Columbia, Ky. Columbia, La. | KRYT 1530 WAIN 1270 KCTO 1540 | Dallas, Tex. | KRLD 1080 KPBC 1040 | Dover, N.H. Dover, N.J. | WTSN 1270 WRAN 1510 |
| hestertown MD heyenne, Wyo. | KFBC 1240 KNIF 1590 | Columbia, Miss. Columbia, Mo. | WCJU 1450 KFRU 1400 | | KSKY 660 KLIF 1190 WFAA 570 | Dover-Foxeroft, M Dover-New Phila | dolphia, O. WJER 1450 |
| 1 | KRAE 1480 KVWO 1370 | Columbia, Pa. | KTGR 1580 WHEX 1580 | | KBOX 1499 WRR 1310 | Dowaglae, Mich, Doylestown, Pa. | WDOW 1440 WBUX 1570 |
| hicago, III. | WBBM 780 | Columbia, S.C. | WC08 1400 WIS 560 | Dallas-Ft. Worth | TX WFAA 570 | Dublin, Ga. | WMLT 1330 |
| | WCFL 1000 WCRW 1240 WEDC 1240 | | WOIC 1320 WNOK 1230 WQXL 1470 | Daiton, Ga. | WBLJ 1230 WRCD 1430 | Du Bola, Pa. Dubuque, Iowa | WCED 1420 KDTH 1370 |
| | WGN 720 WJPC 950 | Columbia, Tenn. | WMCP 1280 WKRM 1340 | Danbury, Conn. | WTT1 1530 WLAD 800 | Duluth, Minn. | KDAL 616 WEBC 566 |
| | WIND 560 | Columbus Ga. | WDAK 540 WRBL 1420 | Danville, III. | WDAN 1490 WITY 980 WHIR 1230 | | KAOH 1390 WWJC 850 |
| | WLS 890 WMAQ 670 | | WHYD 1270 WCLS 1580 | Danville, Ky. Danville, Pa. Danville, Va. | WPGM 1570 WBTM 1330 | Dumas AR Dumas, Tex. | KDDA 1580 KDDD 800 |
| | WMBI 1110 WVON 1390 W8BC 1240 | Columbus 1nd | WOKS 1340 WPNX 1460 | | WYPR 970 WDVA 1250 | Duncan, Okla. Dunedin FL | WDCL 1470 |
| hicago Hgts., III. | WMPP 1470 WCGO 1600 | Columbus, Ind. Columbus, Miss. | WCSI 1010 WACR 1050 WCBI 550 | Dardanette AR Darlington, S.C. | WILA 1580 KCAB 880 | Dundee, N.Y. Dunnellon, Fla. Dunkirk, N.Y. | WFLR 1570 WTRS 920 WDOE 1410 |
| nickasha, Okla. nico, Calif. | KWC0 1580 KHSL 1290 KPAY 1060 | Columbus, Nebr. | WMBC 1400 | Davenport, Iowa | WDAB 1350 WOC 1420 KWNT 1580 | Dunn, N.C. | WCKB 780 |
| hicopee, Mass. | MDAY INSO | Columbus, Ohlo | KTTT 1510 WBNS 1460 | Dawson, Ga. | KSTT 1170 WDWD 990 | Du Quoin, III. Durand, Wis. Durango, Colo. | WDQN 1580 WRDN 1430 KIUP 930 |
| ilefland, Fla. | KCTX 1510 | | WCOL 1230 WMNI 920 | Dayton, Ohio | WHIO 1290 | Durant, Okla. | KDG0 1240 |
| nillicothe, Mo. nillicothe, Ohlo | KCHI 1010 WBEX 1490 WCHI 1350 | | WOSU 820 WTVN 610 WVKO 1580 | | WING 1410 WONE 980 WAVI 1210 | Durham, N.C. | WDNC 626 WSRC 1416 WSSB 1496 |
| ipley, Fla. ippewa Falls, W | WBGC 1240 1 | Colville, Wash, Comanche, Tex, | KCVL 1270 | Dayton, Tenn. Daytona Beach, Fi | WDNT 1280 | Dyersburg, Tenn. | WTIK 1310 |
| ristiansburg, Va ristiansted, V.I. | WAXX 1150 | Commerce, Ga. Concord, Callf, | WJJC 1270 KWUN 1480 | Gaytona Beasil, Fi | WMFJ 1450 | Eagle Pass, Tex, | WTRO 1336 KEPS 1276 |
| urch Hill, Tenn. | WMCH 1260 I | Commerce, Ga. Concord, Callf, Concord, N.H. Concord, N.C. | WKXL 1450 WEGO 1410 KNCK 1390 | Deadwood, S.Dak. | WROD 1340 KDSJ 980 | Eagle River, Wis | . WERL 950 |
| cero, III. ncinnati, Ohio | WCKY 1530 | Confeaut, Ohlo | WW0W 1360 | Dearborn MI Decatur AL | WNIC 1310 WHOS 600 WAJF 1490 | E. Grand Forks, | Minn. KRAD 1590 KERC 1590 |
| | WCIN 1480 WKRC 550 WLW 700 | Conneilsville, Pa. Connersville, Ind. Conroe, TX | | Deeptur Atlanta | WMSL 1400 | Eastland, Tex. E. Lansing, Mich | . WKAR 870 WVIC 730 |
| | WSA1 1360 WUBE 1230 | Conway AR | KCON 1230 KVEE 1330 | Decatur-Atlanta, (| | E. Liverpool, Ohi East Longmeadow | A WAND 1400 |
| eleville OH | W X 1P 1050 W N R E 1540 | Conway, N.H. Conway, S.C. | WBNC 1050 WLAT 1330 | Decatur, III. | WDZ 1050 WSOY 1340 | Fastman, Ga | WTYM 1600 |
| inton AL | WKLF 980 WCRM 990 WTSV 1230 | Cookeville, Tenn. | WHUB 1400 WPTN 1550 | Decatur, Ind. | WADM 1540 KWLC 1240 KWLC 1240 | E. Moline, IL E. Point, Ga. | WT1H 1280 |
| remont, N.H. remore, Okla. iron, Pa. | KWPR 1270 WWCH 1300 | Coolidge AZ Coos Bay, Oreg. | KCKY 1150 KOOS 1230 | Decorah, Iowa Deer Lodge, Mont. Deerfield, Va. Defiance, Ohio | KDRG 1400 WABH 1150 | E. St. Louis IL | WESL 1490 WYRD 1540 |
| irksburg, W. Va | WHAR 1340 | Conner Hill. Tenn | KYNG 1420 | Deflance, Ohio De Funiak Spring | WONW 1280 s, Fla. | Easton MD Easton, Pa. | WEMD 1460 |
| rksdale, Miss. | WPDX 750 WROX 1450 | Coquille, Oreg. Coral Gables, FL | KWRO 630 WRHC 1550 | De Funiak Spring | WGTX 1280 WZEP 1460 | Eaton, OH | WEST 1400 WCTM 1130 |
| rkston, WA | WKDL 1600 KCLK 1430 KLYR 1360 | Corbin, Ky. | WVCG 1080 WCTT 680 WYGO 1330 | De Kalb, III. De Land, Fla. | WETO 1490 WKKX 1310 | Eatonton, Ga. Eatontown, N.J. | WXPQ.1520 WHTG 1410 WEAQ 790 |
| rksville AR rksville, GA rksville, Tenn. | WIAF 1500 WIZM 1400 | Cordele, Ga. Cordova AK | W M J M 490 | Delano, Calif. Delaware, Ohio | KCHJ 1010 WDLE 1550 | Eau Claire, Wis. | WBIZ 1400 |
| arksville, Tenn. arksville, Tex. | WDXN 540 | Corinth, Miss. | WCMA 1230 WKCU 1350 | Delray, Bch., Fla. Del Rio, Tex. | WDBF 1420 KDLK 1230 | Eau Gaille, FL Ebensburg, Pa. | WEND 1580 |
| axton, Ga. ayton, Ga. | WGLA 1470 WGHC 1570 | Cornelia, Ga. Corning AR | WCON 1450 KCCB 1260 | Deita, Colo, Deita, UT | KWMC 1490 KDTA 1400 | Eden, NC | WCBX 1130 WLOE 1490 |
| yton, MO | KADI 1320 KEUO 650 | Corning, N.Y. | WCBA 1350 WCLI 1450 WWLE 1170 | Deming, N.M. | KOLT 540 KOTS 1230 WXAL 1400 | Edenton, N.C. Edinburg, Tex. Edmonds, Wash. | WCDJ 1260 KURV 710 |
| ayton, N.Mex. | KXLW 1320 KLMX 1450 | Cornwall, N.Y. Corona, Cal. Corpus Christi, Ti | KREL 1370 | Demopolis AL Denham Sprgs., La Denison, Iowa | WARL 1400 WLBI 1220 KDSN 1530. | Edmonds, Wash. Edna, Tex. Effingham, III. | KGDN 630 KWBY 1130 WCRA 1090 |
| ayton NC earfield, Pa. earwater, Fla. | WHPY 1590 WCPA 900 WTAN 1340 | | KCCT 1!50 KEYS 1440 | Denison-Sherman, | Tex. KDSX 950 | Elba AL Elberton, Ga. | WELB 1350 W8GC 1400 |
| eburne, Tex. | WAZE 860 KCLE 1120 | | KRYS 1360 KSIX 1230 | Denmark-Bamberg, | S.C. WWBD 790 | El Cajon, Calif. El Campo, Tex. | KDE0 910 KULP 1390 |
| emson, S.C. | WCCP 1580 WSLC 1340 WRWH 1350 | Corry, PA Corsicana, Tex. | KUNO 1400 WWCB 1370 KAND 1340 | Denton, Tex: Denver CO \ | KDNT 1440 KAAT 1090 KDEN 1340 | El Centro, Calif. | KAMP 1430 |
| eveland, Ga. eveland, Miss. | WCLD 1490 | Cortez, Colo. | KVFC 740 WKRT 920 | | KFML 1390 KHOW 630 | El Dorado AR | KELD 1400 KOYY 1430 |
| veland OH | WDSK 1410 WWWE 1100 WIXY 1280 | Cortland, N.Y. Corvallis, Ore. | KL00 1340 KFLY 1240 | | KIMN 950 KLIR 990 | Eldorado Springs, | Mo. KESM 1580 |
| | WERE 1300 | Corydon, Ind. Coshocton, Ohio | KOAC 550 WPDF 1550 WTN8 1560 | | KLZ 560 KERE 710 | Eleele, Kanal, H. | AWAII KUAI 720 WRMN 1410 |
| | WGAR 1220 WHK 1420 WABQ 1540 WJW 850 | Cottage Grove, Uro | 8. KNND 1400 | | KOA 850 KPOF 910 KFSC 1220 | Elgin, III. Elizabeth, N.J. Elizabeth City, N | WJDM 1530 |
| veland, Tenn. | WJW 850 WBAC 1340 | Cottonwood AZ Coudersport, Pa. Council Bluffs, lo | KVIO 1600 WFRM 600 wa | DeQueen AR | KFSC 1220 KTLK 1280 KDQN 1390 | | WCNC 1240 |
| veland, TX ve. Hights., Ohio | WBAC 1340 WCLE 1570 KJCH 1410 | Courtenay, B.C. Covington, Ga. | KRCB 1560 CFCP 1440 WGFS 1430 WCLU 1320 | DeRidder, La. Dermott, AR | KDLA 1010 KAKA 1110 KHAD 1190 | Elizabethton, Ten | n. WBEJ 1240 WIDD 1520 |
| WISTON, Pla. | WOWY 1590 KCUZ 1490 | COVIDATOR, KV. | WCLU 1320 WARR 730 | DeSoto, Mo. Des Moines, Iowa | KCBC 1390 | Elizabethtown, Ky Elizabethtown, N. | C, well a last |
| iton AZ fton Forge VA ncho, Va. | WXCF 1230 WDIC 1430 | Covington, La . Covington, Tenn. Covington, Va. | WARB 730 WKBL 1250 WKEY 1340 WZYX 1440 KAMI 1580 | | KIOA 940 KRNT 1350 KSO 1460 | Elizabethtown, Pa | WPDC 1600 KADS 1240 WCMR 1270 WTRC 1340 |
| nton, III. nton, lowa | WHOW 1520 KCLN 1390 | Cowan, Tenn. Cozad, Neb. Craig, Colo. Crane, Tex. | WZYX 1440 KAMI 1580 | | KSO 1460 KWKY 1150 WHO 1040 | Elkhart, Ind. | WCMR 1270 WTRC 1340 |
| nton, Mo. | KDKD 1280 | | KBSN 970 | Detroit, Mich. | WCAR 1130 WDEE 1500 WJLB 1400 | Elkins, N.C. Elkins, W.Va. Elko, Nev. | WDNE 124 |
| nton, NC | WRRZ 880 WCLN 1170 KWOE 1320 WPCC 1410 | Crawfordsville, in Crescent City, Call | WCVL 1550 | 1 " 5 F " 1 | WJR 760 WWI 950 | i Eikton, Ma. | WSER 1550 WSER 1550 KXLE 1240 WELV 1370 |
| nton, Okla. nton, S.C. nton, Tenn. | WPCC 1410 WYSH 1380 | Creston, Iowa | | Detroit Lakes, Min | WXYZ 1270 | Ellensburg, Wash Ellenville, N.Y. Ellsworth, Me. | |
| quet, Minn, vis, CA vis, N.Mex. | WYSH 1380 WKLK 1230 KGPD 790 | Crestview, Fla. | WCNU 1010 WJSB 1050 WSVS 800 | Devils Lake, N.Da | KDLM 1340 k. | Elisworth, Me. Elmhurst, IL Elmira, N.Y. | WKDC 1530 WELM 1410 WENY 1230 |
| vis, N.Mex. | KCLV 1240 K1CA 980 | Crewe, Va. Crockett, Tex. | WSV8 800 KIVY 1290 | | KDLR 1240 KDEW 1470 KDEX 1590 | Elmira Heights- | |
| chella, Calif. imo, P.R. itesville, Pa. | KWKA 680 KCHV 970 WCPR 1450 | Crookston, Minn. Crossett AR Crossville, Tenn. | KIVY 1290 KROX 1260 KAGH 800 WAEW 1330 | DeWitt AR Dexter, Mo. Diboll, Tex. Dickinson, N.Dak. | KSPL 1260 KDIX 1230 WDKN 1260 | Herseheads, N.' El Paso, TX | KROD 600 |
| nran. ba. | WCOJ 1420 WVMG 1440 | Crowley, La. | WCSV 1490 KSIG 1450 | Dillingham, AK | KDLG 670 | | KAMA 1060 KELP 920 KHEY 690 |
| oa Beach, Fla. | WEZY 1350 WWBC 1510 | Crozet, Va. Crystal Lake, III. | WPED 810 | Dillon, Mont. Dillon, S.C. Dimmitt, Tex. | WDSC ROO | | KIN 1 1590 |
| dy, Wyo. eur d'Alene, Ida. | WRKT 1300 KODI 1400 | Cuero, TX | WIVS 850 KEWS 1600 | Dimmitt, Tex. Dinuba, Calif. | KDHN 1470 KRDU 1130 WIXN 1480 KGNO 1550 | FI Pana Obla | K8ET 1340 KT8M 1380 |
| eur d'Alene, Ida. ffeyville, Kans. | KGGF 690 | Culiman AL Culpeper, Va. | KEWS 1600 WFMH 1460 WKUL 1340 | Dinuba, Calif. Dixon, III. Dodge City, Kans. | KGNO 1370 KEDD 1550 | E! Reno, Okia. Ely, Minn. Ely, Nev. | KTSM 1380 KELR 1460 WELY 1450 KELY 1230 |
| eur d'Alene, Ida. ffeyville, Kans. lby, Kans. Idwater, Mich. Ieman, Tex. Ifax, Wash, Ilege Park, GA Ilege Station, Te | KGGF 690 KXXX 790 WTVB 1590 KSTA 1000 KGLX 1450 | Cumberland, Ky. Cumberland MD | WCVA 1490 WCPM 1280 WCMD 1230 | Dodgeville, Wis. Donalsonville, Ga. | WDMP 810 | Elyria, Ohio Eminence, Ky. Emporia. Kans. | WEOL 930 WSTL 1600 KVDE 1400 |
| lfax, Wash, lege Park, GA | KCLX 1450 WSSA 1570 | | WCBC 1270 WTBO 1450 | Donaldsonville, La. Donelson, Tenn. | WSEM 1500 WSLG 1090 WAMB 1190 | l Emporia, Va. | WEVA 860 |
| | | Cumming, GA Cushing, Okla. | WSNE 1170 KUSH 1860 | Doniphans, Mo. Dothan AL | KDFN 1500 WAGF 1320 | Emporium, Pa. Endicott, N.Y. | WENE 1430 |
| Herville TN Jinsville, Va. | WMS0 1590 WFIC 1530 | Cuthbert, Ga. Cuyahoga Falls, C | WCUG 850 | Douglas AZ | WDIG 1450 WOOF 560 KAWT 1450 | Englewood, CO Englewood, Fla. Englewood, Tenn, | WENG 1530 |
| ionial Heights, \ | WPVA 1290 | Cypress Gardens, | | | KAPR 930 | Enid, Okla. | WENT 1090 |

| , | | | U.S. AM STATION | 3 BT LOCATION |
|---|--------------------------------------|---|---|---|
| Location | Call kHz | Location Call kHz | Location Call kHz | Location Call kHz |
| Enterprise AL Enterprise, Oreg. | WIRB 600 KWVR 1340 | Ft. Collins, Colo. KCOL 1410 KIIX 600 | Georgetown, Ky. WAXU 1580 Georgetown, S.C. WGTN 1400 | Groton-New London CT WSUB 980 |
| Ephrata, Pa. Ephrata, Wash. | WG8A 1310 KULF 730 | Ft. Dodge, lowa KVFD 1400 KWMT 540 | Georgetown, Tex. KGTN 1530 | Grove City, Pa. WSAJ 1340 |
| Erie, Pa. | WWYN 1280 WJET 1400 | Ft. Kent, ME WLVC 1340 Ft. Knox. Ky. WSAC 1470 Ft. Lauderdale, Fla. WFTL 1400 | Gettysburg, Pa. WGET 1320 Gillette, Wyo. KIML 1270 | Guayama, P.R. WXRF 1590 Gulfport, M8 WGUF 1130 WGCM 1240 |
| Family Tamp | WRIE 1330 WWGO 1450 WEMB 1420 | Ft. Lauderdale, Fla. WFTL 1400 / WIXX 1520 WSRF 1580 | Gilmer TX KHYM 1080 | I GUITDOTT-BIIOXI, MX |
| Erwin, Tenn. Escanaba, Mich. Escanaba Mi | WDBC 680 WBDN 600 | WAVE HOD | Gladewater, lex. KEES 1430 Gladwin, MI WJEB 1350 | WROA 1390 Gunnison, Colo. KGUC 1490 Guntersville AL WGSV 1270 |
| Escondido, Calif. | KOWN 1450 KDCE 970 | Ft. Morgan, Colo. KFTM 1400 Ft. Myers. Fia. WINK 1240 | Glasgow, Ky. WKAY 1490 WCDS 1440 Glasgow, Mont, KLTZ 1240 | Guntersville AL WGSV 1270 Guthrie, Okia. KOKC 1490 Guymon, Okia. KGYN 1210 |
| Estes Park, CO Estherville, la. | KSIR 1470 Kilr 1070 | WMYR 1410 WCAI 1850 | Glasgow, Mont. KLTZ 1240 Gien Burnie, Md. WISZ 1590 Gjendaje AZ KRUX 1360 Gjendaje, Calif. KJEV 870 | Hackensack, NJ WWDJ 970 Hackettstown, NJ WRNJ-1000 |
| Etowah, Tenn. Eufula AL Eugene, Ore. | WCPH 1220 WULA 1240 KEED 1450 | Fort Payne AL WFPA 1400 WZOB 1250 Ft. Pierce, FL WFTP 1330 | Glandive Mont. KXGN 1400 | Hagerstown, Md. WARK 1490 WJEJ 1240 |
| Lugono, Oro. | KASH 1600 KATR 1320 KORE 1050 | WIRA 1400 | Glennation AK KGAM 780 | Halley, Idaho KSKI 1340 Haines City, Fla. WHAN 930 Haleyville AL WJBB 1230 |
| | KBDF 1280 | Ft. Sectt. Kans. KMDO 1600 Fort Smith AR KFPW 1230 KFSA 950 KTCS 1410 | Glens Falls, N.Y. WBZA 1410 WWSC 1450 Glenville, Ga. WKIG 1580 | Haleyville AL WIBB 1230 Halfway, Md. WHAG 1410 Hamden, Conn. WCDQ 1220 |
| Funias I.a | KPNW 1120 KUGN 590 KEUN 1490 | I KWHN 1320 | Glenwood Sprgs., Colo. KGLN 980 | Hamilton AL WERH 970 Hamilton, MT KLYQ 1249 |
| Eunice, La. Eupora, MS Eureka, Calif. | WEPA 710 KINS 980 | Ft. Stockton, Tex. KFST 860 Ft. Valley, Ga. WFPM 1150 Ft. Walton Beach, Fla. | Globe, AZ KPPR 1240 Gloucester, Va. WDDY 1420 | Hamilton, Ohio WMOH 1450 |
| | KHUM 790 KRED 1480 | WNUE 1400 WETW 1280 | Gloversville-Johnston NY WENT 1340 | Hamlet, N. C. WKDX 1250 Hammond, Ind. WJOB 1230 Hammond, La. WFPR 1400 |
| Eustis, Fia. Evanston, 111. | WLCO 1240 WEAW 1330 WLTD 1590 | Ft. Wayne, Ind. WGL 1250 | Gold Beach, Oreg. KBLY 1220 Golden Meadow, La. KLEB 1600 | |
| Evanston, Wyo. | KEVA 1240 | WOWO 1190 WLYV 1450 WMEE 1380 | Golden Valley, Minn. KQRS 1440 | Hampton, Va. WVEC 1490 Hancock, Mich. WMPL 920 |
| | WROZ 1400 WGBF 1280 WIKY 820 | Ft. Worth, Tex. KJIM 870 KRXV 1540 | Goldsboro, N.C. WFMG 780 | |
| Eveleth, Minn. | WJPS 1330 WEVE 1340 | KFJZ 1270 KNOK 970 | WGBK 1150 WYNE 1300 Gonzales, Texas KGT1 1450 | WDCR 340 |
| Everett, Pa. Everett, Wash. | WSKE 1050 KRKO 1380 KWYZ 1230 | WBAP 820 KXOL 1360 | Goodiaud, Kans. KLUE 750 | Hardin, Mont. KHDN 1230 Hardinsburg, Ky. WHIC 1520 |
| Evergreen AL Excelsion Springs, | WBLO 1470 | Foston, Minn, KEHG 1480 Fostoria, Ohio WFOB 1480 Fountain Inn, S.C. WFIS 1600 | Gosnen, Ind. WKAM 1400 Gouverneur, N.Y. WIGS 1230 | Harlan, Ky. WHLN 1410 WFSR 1470 |
| Exeter, N.H. Fairbanks AK | KEXS 1090 WKXR 1540 KFAR 660 | Framingham Mass WKOY 1100 | Gratton, ND KXPU 1340 Gratton, W.Va. WVVW 1260 | Martingen, Tex. KGBT 1530 Harriaburg, III. WEBQ 1240 Harriman, Tenn. WHBT 1600 |
| FAIFDANKS AK | KFRB 900 | Frankfort, Ind. WILO 1570 Frankfort, Ky. WFKY 1490 Franklin, Ky. WFKN 1220 Franklin, La. KFRA 1390 | Granam, Yex. KSWA 1330 Grand Forks, N.D. KFJM 1370 | Harriman, Tenn. WHBT 1600 Harrisburg, Pa. WFEC 1400 WCMB 1460 |
| Fair Bioff. N.C. Fairbury, Nebr. | WWK0 1480 KGMT 1310 | Franklin, Ky. WFKN 1220 Franklin, La. KFRA 1390 Franklin, N.C., WFSC 1050 | KKXL 1440 | WHP 560 WKB0 1230 |
| Fairbury, Nebr. Fairfax, Va. Fairfield AL Fairfield, III | WEEL 1310 WJLD 1400 | Frankiln, N.H. WFTN 1240 | Grand Haven, Mich. WGHN 1370 Grand Island, Nebr. | Harrison AR KHOZ 900 Harrisonburg, Va. WHBG 1360 |
| Fairfield, I owa Fairfield, I owa Fairfield, O. | WFIW 1390 KMCD 1570 WCMW 1580 | Franklin, Tenn. WAGG 950 WIZO 1380 | KMMJ 750 | WKCY 1300 WSVA 550 Harrodsburg, Ky. WHBN 1420 Hartford, Conn. WDRC 1380 |
| I Fairhone Al. | WCNW 1580 WABF 1220 KSUM 1370 | Franklin, Va. WYSR 1250 Franklinton, La. WFCG 1110 Frederlek, Md. WFMD 930 | Grand Junetion, Colo. KREX 1100 KEX 1280 | WCCC 1290 ■ |
| Fairmont, Minn. Fairmont, N.C. Fairmont, W.Va. | WFMO 860 WMMN 920 | Frederick, Md. WFMD 930 WZYQ 1370 Frederick, Okia. KTAT 1570 | KEXO 1230 KSTR 620 KQIL 1340 | WPOP 1410 WTIC 1080 |
| Fairway, Kan. Faiardo, P.R. | WTCS 1490 KUDL 1380 | Fredericksburg, Tex. | Grand Prairie, Tex. | `Hartford, Ky. WLLS 1600 Hartford, Wis. WTKM 1540 Hartselle AL WHRT 860 |
| Faiturrias, I ex. | WMDD 1480 KP80 1260 KVLV 980 | Fredericksburg, VA WFAV 1230 WFLS 1350 | Grand Rapids, MI WMAX 1480 WCUZ 1230 | Hartsville, S.C. WHSC 1450 |
| Fall River, Mass. | WSAR 1480 | Fredericksted, VI WRRA 1290 Fredericktown, Mo. KFTW 1450 | WFUR 157,0 WGRD 1410 WLAV 1340 | Hartsville, Tenn, WJKM 1090 Hartwell, Ga, WKLY 980 Harvard, III. WMCW 1600 |
| Falls Church, Va. Fails City, Nebr. Farge, N.Dak. | WFAX 1220 KTNC 1230 WDAY 970 | Fredonia, N.Y. WBUZ 1570 Freeport, III. WFRL 1570 | Grand Rapids MN KOZY 1320 | (Harvey, III. WBEE 15/0 📕 |
| Targo, M.Dak. | KFG0 790 KFNW 1170 | Freeport, N.Y. WGBB 1240 Freeport, Tex. KBRZ 1460 Freemont, Mich. WSHN 1550 | Grangeville, Idaho KORT 1230 Granite City, III. WGNU 920 | Hastings, Minn. KDWA 1480 Hastings, Nebr. KHAS 1230 |
| Faribault, Minn. | KOWB 1580 KDHL 020 KTDL 1470 | Freeport, Tex. KBRZ 1480 Freemont, Mieh. WSHN 1550 Fremont, Nebr. KHUB 1540 Fremont, Ohlo WFRO 900 Freene, Calif. KARM 1430 | Granite Fails, N. C. WKJK 900 Grants, N.Mex. KMIN 980 | KICS 1550 Hattlesburg, Miss. WBKH 950 WFOR 1400 |
| Farmersville, La. Farmington, Me. | WKTJ 1380 | Fresno, Calif. KARM 1430 KBIF 900 | Grants Pass, Oreg. KAGI 930 KAJO 1270 | WHSY 1230 WORY 1580 |
| Farmington, Mo. Farmington, N.M. | KWYK 960 | KBIF 900 KIRV 1510 KEAP 980 KXEX 1550 | Grayling, M1 WGRY 1590 Grayson, Ky. WGOH 1370 Gt. Barrington, Mass. | Havelock, N.C. WKVO 1330 Haverhill, Mass. WHAV 1490 |
| Farmville, N.C. Farmville, Va. | WFAG 1250 | KFRE 940 KGST 1600 | Gt. Bend. Kans. KVGB 1590 | Havre, Mont. KOJM 610 Havre de Grace, Md. |
| Farrell, Pa. Farwell, Tex. | WFAR 1470 | KMAK 1840 KMJ 580 KMG 1800 | Great Falls MT KEIN 1310 KUDI 1450 KMON 580 | Hawesville, KY WKCM 1140 |
| Fayette AL Fayetteviile AR | WWWF 990 KHOG 1440 | KYNO 1300 Friona, Tex. KNNN 1070 Front Royal, Va. WFTR 1450 | KARR 1400 Greeley, Colo. KFKA 1310 | Hawkinsyllle, Ga. WCEH 610 Hays, Kans. KAYS 1400 Haynesville, La. KLUV 1580 |
| Fayetteville, N.C. | KFAY 1250 WFAI 1230 WFNC 940 | Frostburg, Md. WFRB 560 Fulton, Ky, WFUL 1270 | Green Bay, Wi WGEE 1360 | Hayward, Wis. WHSM 910 Hazard, Ky. WKIC 1390 |
| P 44 44 | WFLB 1490 WIDU 1600 | Fulton, Miss. WFTO 1330 / Fulton, Mo. KFAL 900 Fulton, N.Y. WOSC 1300 | WDUZ 1400 WNFL 1440 Greeneville, Tenn. WGRV 1340 | Hazelhurst, Ga. WVOH 920 |
| Fayetteville, Tenn. | WEKR 1240 WIXC 1140 | Fuquay-varina, N.C. WAKS 1460 | WSMG 1450 Greenfield, Mass. WHAI 1240 | Hanth OH WHIN 1900 |
| Fergus Fails, Mine | n. KBRF 1250 | Gadeden AL WGAD 1350 WIBY 930 | Green River, WY KUGR 1490 Greensboro, N.C. WBIG 1470 WCOG 1320 | Helena AR KEEA 1380 |
| Fernandina Beach | FL UVUI 1870 | Gaffney, S.C. WFGN 1570 WEAC 1500 | WEAL 1510 WGBG 1400 | Helena, Mont. KCAP 1340 KBLL 1240 KMTX 950 Hemet, Calif. KHSJ 1320 |
| Ferriday, La. Festus, Mo. Festus-St. Louis, I | KFNV 1600 KJCF 1400 | Gainesville, Fla. WDVH 980 WGGG 1230 | Greensburg, Ind. WPET 950 | memingway, S.C. WKYB 1000 |
| Findlay, Ohio Fisher, W.Va. | KXEN 1010 WFIN 1330 WELD 690 | WRUF 850 WAKA 1390 Gainesville, Ga. WGGA 550 | Greensburg, KY WGRK 1550 Greensburg, Pa. WHJB 620 Greenville AL WGYV 1360 | Menderson, Kv. WSON 660 |
| Fisher, W.Va. Fitchburg, Mass. | | WDUN 124u WNRJ 113u | Greenville, Mich. WPLB 1360 Greenville, Miss. WJPR 1330 | Henderson, NV KBMI 1400 Henderson-Las Vegas, NV KVOV 1280 Henderson, N.C. WHNC 890 |
| Fitzgerald, Ga. Fiagstaff AZ | WFGL 980 WBHB 1240 KCLS 600 | Gainesville, Tex. KUAF 1800 Galax, Va. WBOB 1360 | WDDT 900 WGVM 1260 WBZQ 1550 | W128 1430 |
| - | KAFF 930 KE08 690 | Galesourg, III. WGIL 1400 WAIK 1590 Galion, OH WGLX 1570 | Greenville, N.C. WBZQ 1550 WOOW 1340 WPXY 1590 | Henderson, Tenn. WHHM 1580 Henderson, Tex. KGRI 1000 KWRD 1470 |
| Fiat River, Mo. Fiint, Mich. | KEMO 1240 | WAMG 1130 | Greenville, Pa. WGRP 940 | Mandareonvilla M.C. |
| | WAMM 1420 WCZN 4570 | l Gallinolis Shio WiFi uno | Greenville, S.C. WESC 650 WFBC 1330 WHYZ 1070 | WHVL 1600 |
| Planeter | WKMF 1470 WTAC 600 WTCB 990 | Gallup, N. Mex. KGAK 1330 KYVA 1230 Galveston TX KILE 1400 KGBC 1540 | WESC 630 WFBC 1330 WHYZ 1070 WMRB 1490 WMTY 1090 WMTY 1090 WMUU 1260 WQOK 1440 | Herkimer, N.Y. WALY 1420 Hermiston, OR KOHU 1380 |
| Flomaton AL Florence AL | WXOR 1340 WOWL 1240 | Garden City, Kan. KUIL 1240 Garden City, Kan. KUIL 1240 KUPK 1050 | WMUU 1280 WQOK 1440 | Harrin, III. WIPF 1940 |
| Florence, S.C. | WULG 1230 | Garden City, Mich. WIID 1090 Garuiner, Me. WABK 1280 | Greenwich Conn WGCH 1400 | Hibbling, Minn. WMFG 1240 |
| Floydada, Tex. | KEID OM | | WGRM 1240 WSWG 1540 | Hiekory, N.C. WHKY 1290 WIRC 630 |
| Follow AL Fond du Lae, Wis Fordyse AR | KFIZ 1450 KBJT-1570 | Gary, Ind. WWCA 1270 WLTH 1870 | Greenwood, S.C. WCRS 1450 WMTY 1090 Greer, S.C. WEAB 800 | WIRC 630 WSPF 1000 Highland, III. WINU 1510 |
| Forest, MS Forest City, N.C. | WMAG 850 WBBO 780 WAGY 1320 | Garyville, La. WKQT 1010 Gastonia, NC WGNC 1450 WLTC 1370 | WCKI 1300 | Mighland Park. |
| Forks, Wash. Forrest City AR | KVAC 1490 | Gate City, Va. WGAT 1050 Gaylord, Mich. WATC 900 | Gresham, Oreg. KRDR 1230 Gretna. La. KGLA 1540 | Deerfield IL WVVX (430 Highland Park, Tex, KVIL (150 Highland Springs, Va. WENZ (450 |
| Forest City AR Forsyth, MT | KXJK 950 KIKC 1250 | Geneseo IL WGEN 1500 Geneva AL WGEA 1150 | Gretna VA WMNA 780 Griffin, Ga. · WKEU 1450 | High Point, N.C. WMFR 1230 WGLD 1590 |
| Forest City AN Foresth, MT Ft. Atkinson, Wis, Ft. Bragg, Calif. Ft. Campbell, Ky. | . WFAW 940 KDAC 1230 WABD 1370 | Geneva, III. WGSB 1480 Geneva, N.Y. WGVA 1240 Georgetown, Del. WJWL 900 | WHIE 1320 WGRI 1410 Grinneil, iowa KGRN 1410 | WHPE 1070 Hillsboro, Ohlo WSRW 1590 Hillsboro, Oreg. KUIK 1360 |
| | - | | T | |

| Location Call kHz | Location Call kHz | Location Call kHz | Location Cal |
|---|--|---|--|
| Hillsboro, Tex. KHBR 1560 Hillsbale, Mich. WCSR 1340 | Irondale AL WLPH 1480 Iron Mtn., Mich. WMIQ 1450 Iron River, Mich. WIKB 1230 | Kennett, Mo. KBOA 830 KBXM 1540 Kennewick, WA KOTY 1340 | Las Vegas, Nev. KEI |
| Hillsville, Va. WHHV 1400 | Iron River, Mich. WIKB 1230 Ironton, Ohio WIRO 1230 Ironton, MO KPIA 1480 | Kennewick, WA KOTY 1340 KONA 610 Kenosha, Wis. WLIP 1050 | KRA KLI KOF |
| KIPA 620 KHLO 850 Hindman, Ky. WKCB 1540 Hinesville, Ga. KGML 990 | Ironwood, Mich. WJMS 590 Irvine, Ky. WIRV 1550 Isabella, P.R. WISA 1390 | Kent. O. WKNT 1520 / Keokuk. 1owa KOKX 1310 | KVI |
| Hinton, W.Va. WMTD 1380 Hobart, Okla. KTJS 1420 | ishpeming, Mich. WJPD 1240 WUPY 970 | Kerrville, Tex. KERV 1230 Kershaw, S.C. WKSC 1300 | Latrobe, Pa. WQT |
| Hohenwald, TN WMLR 1230 | Isilp, N.Y. WLIX 540 Ithaea, N.Y. WHCU 870 WTKO 1470 | Ketchikan AK KTKN 930 Kewanee, III. WKEI 1450 Keyser, W.Va. WKLP 1390 | Laurel, Miss. WA! |
| Holbrook AZ KDJI 1270 Holdenville, OK KVYL 1370 Holdredge, Nebr. KUVR 1380 | luka, Miss. WYOM 1270 Jackson, AL WHOD 1230 Jackson, Ga. WJGA 1540 Jackson, Ky. WEKG 810 | Key West, Fla. WKWF 1600 WKIZ 1500 Kilgore, Tex. KOCA 1240 Killeen TX KIXS 1050 | Laurens, S.C. WLI Laurinburg, N.C. WEY |
| Holdredge, Nebr. KUVR 1380 Holland, Mich. WHTC 1450 WJBL J250 Holly Hill SC WKHJ 1440 | Jackson, Ky. WEKG 810 Jackson, Mich. WIBM 1450 WKHM 970 | Kimball Nahr KIMR 1260 | Lawrence, Kans. KF |
| Hollister, Cal. KMPG 1540 Hollywood, Fla. WGMA 1320 Holly Springs, Miss. | Jackson, Miss. WJCO 1510 WJDX 620 WJQS 1400 | King. N.C. WKTE 1090 King City. Calif. KRKC 1490 Kingman AZ KAAA 1230 Kings Mountain, N.C. | Lawrence, Mass. WCC Lawrenceburg, Tenn. |
| WKRA III0 Holyoke, Mass. WREB 930 Homestead, FL WQDI 1430 | WJXN 1450 WOKJ 1550 WWUN 1590 | Kingsport, Tenn. WKIN 1320 WKPT 1400 | Lawrenceville, Ga. WLA Lawrenceville, III. WAI Lawrenceville, Va. WL |
| Hondo, Tex. KRME 1460 | WRBC 1300 WSLI 930 Jackson MO KJAS 1170 | WGOC 1090 Kingston NY WKOT 1550 WGHQ 920 | Lawton, Okia. KSV |
| Honolulu, HI KAIM 870 KISA 1540 | Jackson, Ohio WLMJ 1280 Jackson, Tenn. WDXI 1310 WJAK 1450 | WKNY 1480 Kingstree, S.C. WDKD 1310 WKSP 1090 | Leadville, CO KB Leavenworth, Kans. KC Lebanon, Ky. WL |
| KCCN 1420 KGMB 590 KZQQ 1210 | Jackson, Wis. WYLO 540 | Kingsville, Tex. KINE 1330 Kingwood, W.Va. WFSP 1560 | Lebanon, MO KLY KJ Lebanon, Oreg. KG |
| KINE 1080 KPOI 1380 KIKI 830 | Jacksonville AR KGMR 1500 Jacksonville, Fla. WJAX 930 | WFTC 960 WISP 1230 | Lebanon, Pa. WLI WJV Lebanon, Tenn. WC |
| KGU 760 KHVH 1040 KKUA 690 | WVOJ 1320 WEXI 1280 | Kirkland, WA KILO 1460 Kirksville, Mo. KIRX 1450 Kissimmee, Fla. WFIV 1080 | Lebanon, VA WL Leesburg, Fia. WL WZ |
| KND1 1270 KOHO 1170 KORL 650 | WPDQ 1460 WCGL 1360 WOZN 970 | WACY 1220 Kittanning, Pa. WACB 1380 Kiamath Falls, Oreg. KAGO 1150 | Leesburg, Va. WA |
| Hood River, Oreg. KIHR 1340 Hope AR KXAR 1490 | WMBR 600 WCMG 1090 WERD 1400 | KAGO 1150 KFLS 1450 KLAD 960 | Lehigh Aeres, Fia. WA' Lehighton, Pa. WY Leitchfield, KY WM Leland, Miss. WE |
| Hopewell, Va. WHAP 1340 Hopkinsville, Ky. WHOP 1230 | Jacksonville, III. WJIL 1550 | Knox, IN WKVI 1520 Knoxville, Iowa KNIA 1320 | Lemars, lowa KLI Lemmon, S.D. KB |
| Hoquim, Wash. KGHO 1560 Hornell NY WHHO 1320 | Jacksonville, N.C. WJNC 1240 WBBS 1290 | WIVK 850 WJBE 1430 | Lemoore, Calif. KLA |
| Horseheads, N.Y. WIQT 1000 Hot Springs AR KBHS 590 KXOW 1420 | Jacksonville, Tex. KEBE 1400 Jacksonville Bch., Fla. | WKGN 1340 WKXV 900 | Lenoir City, Tenn. WB |
| Hot Springs, S.Dak. | Jamestown, Ky. WJKY 1060 Jamestown, N.Dak. KEYJ 1400 | WKVQ 1490 WSKT 1580 | Leominster, Mass. WL Leonardtown, Md. WK Leone, Am. Samoa WV |
| Houghton, Mich. WHDF 1400 Houghton Lake, Mich. | Jamestown, N.Y. KSJB 600 WJTN 1240 WKSN 1340 | Kodlak AK Kokomo, Ind. / WIOU 1350 Kosciusko, Miss. WKOZ 1340 | Levelland, Tex. KL Leveltown, Pa. WB Lewisburg, Tenn. WJ |
| Houlton, Maine WHGR 1290 WHOU 1340 Houma, La. KJIN 1490 | Jamestown, Tenn. WCLC 1260 WDEB 1500 Jamesville, VA WEXM 1520 Janesville, Wls. WCLO 1230 | Laconia, N.H. WLNH 1350 WEMJ 1490 | Lewiston, Idaho KR KO Lewiston, Maine WC |
| Houston, Miss. WCPC 940 Houston, Mo. KBTC 1250 Houston, Tex. KCOH 1430 | Jasper AL WWWB 1360 WARF 1240 | La Crosse, WI WIZM 1410 WLCX 1490 WKTY 580 | Lewistown, Mont. KX |
| KENR 1070 ' KEYH 850 KILT 610 | Jasper GA WYYZ 1580 Jasper, Ind. WITZ 990 Jasper, Tex. KTXJ 1350 | Ladysmith, WIs. WLDY 1340 Lafayette, Ga. / WLFA 1590 Lafayette, Ind. WASK 1450 | Lewistown, Pa. WK' WM Lexington, Ky. WL |
| KNUZ 1230 KODA 1010 KPRC 950 | Jeanette PA WBCW 1530 Jefferson City, Mo. KLIK 950 KWOS 1240 | WAZY 1410 WBAA 920 Lafavette, La. KPEL 1420 | Lexington, Miss. WX |
| KULF 790 KTRH 740 KXYZ 1320 | Jefferson City, Tenn. WJFC 1480 Jeffersonville, Ind. WXVW 1450 | KVOL 1330 KXKW 1520 Lafayette, Tenn. WEEN 1460 | Lexington, Mo. KL Lexington, Neb. KR Lexington, N.C. WB Lexington, Tenn. WD |
| Howell, Mich. WHMI 1350 Hugo, Okla, KIHN 1340 | Jeffersonville, Ind. WXVW 1450 Jeilleo TN WJJT 1540 Jena, La. KCKW 1480 Jenkins, KY WREM 1000 | LaGrande, Oreg. KLBM 1450 | Lexington, Va. WR |
| Hudson, N.Y. WHUC 1230 Humaeao, P.R. WALO 1240 | Jennings, La. KJEF 1290 Jerome, Idaho KART 1400 Jerseyville, III, WJBM 1480 | LeGrange, III. WTAQ 1300 LaGrange, Tex. KVLG 1570 | Libby, Mont. KL Liberal, Kans. KS KL |
| Humble City. N.M. KCIA 1110 Humboldt, Tenn. WIBJ 740 WHMT 1190 Huntingdon. Pa. WHUN 1150 | Jesup, Ga. WLOP 1370 John Day, Ore. KJDY 1400 Johnson City, Tenn. | Lajunta, Colo. KBZZ 1400 Lake Charles, La. KLOU 1580 | Liberty, Ky. WKI Liberty, Mo. KB Liberty, N.Y. WV Liberty, Tex. KP |
| Huntingdon, TN WJPJ 1530 Huntington, Ind. WHLT 1300 | WJCW 916 WETB 790 Johnston, 8C WJES 1570 | KLCL 1470 KAOK 1400 Lake City, Fla. WDSR 1340 | Liberty, Tex. KP: Libue, Hawali KTC Lima, Ohio WII |
| Huntington, N.Y. WGSM 740 Huntington, W. Va. WKEE 800 | Johnstown, N.Y. WIZR 930 Johnstown, Pa. WJAC 850 | Lake City, S.C. WIOT 1280 Lake Geneva, Wis. WMIR 1550 Lake Havasu City AZ | Lincoln, III. WP |
| WGNT 930 WWHY 1470 Hunstville AL WBHP 1230 | Jollet., IIf. WJOL 1340 | Lake Havasu City AZ KFW J 980 Lake Isabella CA KVLI 1140 | Lincoln, Nebr. KF |
| WEUP 1600 WF1X 1450 WAAY 1550 WV0V 1000 | Jonesboro AR KBTM 1230 KNEA 970 | Lakeland FL WQPD 1430 WONN 1230 WWAS 1330 | Lincoln City OR KBC Lincolnton, N.C. WL |
| Huntsville, Tex, KSAM 1490 Huron, SD KIJV 1340 | Jonesboro, La, KTOC 920 Jonesboro, Tenn, WJSO 1590 Jonesville, La, KANV 1480 | Lake Placid, N.Y. WIRD 920 Lakeport, Cal. KBLC 1270 Lake Providence, La. KLPL 1050 | Lincolnton, N.C. WLineville, Ala. WAI |
| Hurricane, WV WZTQ 1080 Hutchinson, Kans, KWBW 1450 KWHK 1260 | Jonesville, La. KANV 1480 Joplin, Mo. WMBH 1450 KQYX 1560 KF8B 1310 | Lake Tahoe, Calif. KOWL 1490 Lakeview, Ureg. KQIK 1230 Lake Wales, Fla. WIPC 1280 | Little Falls, Minn. KL |
| Hutchinson, Minn. KDUZ 1260 Hyde Park N.Y. WHVW 950 | LUDGOS PR WCID 1460 | Lakewood, NJ WHLW 1170 Lake Worth, Fla. WLIZ 1380 | Little Falls, N.Y. WLI Littlefield, Tex. KZ Little Rock AR KAI |
| Idahel, Okla. KBEL 1240 | Junction, Tex. KMBL 1450 Junc. City, Kans. KJCK 1420 Juneau AK KINY 890 KJNO 630 | Lamar, Colo. KLMR 920 Lamesa, Tex. KPET 690 | KL: |
| Immokalee.FL WKEM 1490 | Jupiter, FL WRYZ 1000 Kaliua, HI KLEI 1130 Kalamazoo, Mich. WKPR 1420 | Lampasas, Tex. KCYL 1450 Laneaster, Calif. KAVL 610 KKZZ 1380 Laneaster, Ky. WIXI 1280 | Littleton, Colo. KDI |
| Independence, In. KOUR 1220 Independence, Kans. KIND 1010 | WZKO 590 WKMI 1360 WYYY 1470 | Lancaster, N.Y. WXRL 1300 Lancaster, Ohio WHOK 1320 | Live Oak, Fla. WNI |
| Independence, Mo. KCCV 1510 Indiana, Pa. WDAD 1450 Indianapolis, Ind. WATI 810 WBRI 1500 | Kallspell MT KGEZ 600 KOFI 1180 Kane, Pa. WKZA 960 | Laneaster, S.C. WLCM 1360 | Livingston, Tex. KET |
| WNDE 1260 WNTS 1590 | Kannapolis, N.C. WGTL 870 | Lander, Wyo. KOVE 1330 | Lock Haven, Pa. WB. Lockport, NY WL. Lodi, Calif. KC |
| WIBC 1070 WIFE 1310 WIRE 1430 WXLW 950 | Kans, City, Kans. KCKN 3340 Kansas City, Mo. KCMO 810 KAYQ 1190 | Langdon, N.D. KNDX 1080 Lansdate, Pa. WNPV 1440 Lansford, Pa. WLSH 1410 | Logan, O. W.C. Logan, Utah KBL KS KVI |
| Indianola, Iowa KBAB 1490 Indianola, Miss. WNLA 1380 | KMBZ 980 KPRS 1590 WDAF 610 | Lansing, Mich. WILS 1320 WJIM 1240 WITL 1010 | Logan, W.Va WLC |
| Indian Rocks Beach, FL WGNB 1520 Indio, Calif. KREO 1400 | Kaukauna, Wis, WKAU 1050 Xealakekua, Hawaii | Lapeer, Mich. WMPC 1230 WTHM 1530 LaPiata, Md. WSMD 1560 | Logansport, Ind. WS/ Lompoe, Calif. KKC |
| Inkster, Mich. WCHB 1440 | Kearney, Nebr. KGFW 1340 Kenney, N.H. WKNE 1290 | LaPorte, Ind. WLOI i540 Laramie WY KOJO 1490 KOWB 1290 | London, Ky. WFT Long Beach, Calif. KFC |
| International Falls, Minn. KGHS 1230 Inverness, Fla. WYSE 1560 | WKBK 1220 | Laredo, Tex. KLAR 1300 KVOZ 1490 | Long Boass, Call. KGI Longmont, Colo. Long Prairie, Minn, KE' Longview, Tex. KF |
| Iola, KS KIKS 1370 Ionia MI WION 1430 | Kelso, Wash. KLDG 1490 Kemmerer, Wyo. KMER 950 Kendaliville, Ind. WAWK 1140 | Largo, Fia. WSST 800 Larned, Kans. KANS 1510 | |

| Location Call kHz | 1 toodies Call III | The state of the s | O DI LOCATION |
|---|---|--|--|
| Location Call kHz | Location Call kHz | Location Call kHz | Location Call kHz |
| Chattanonga TN WELL 1070 | Marion, Ky. WMJL 1010 Marion, N.C. WBRM 1250 Marion, Ohio WMRN 1490 | Middlesboro, Ky. WMIK 560 WAFI 1560 | Moses Lake, Wash. K8EM 1470 KW1Q 1280 |
| Loretto, Pa, WWSF 1400 / Loris, S.C. WLSC 1870 | Marion, S.C. WATP 1430 Marion, Va. WMEV 1010 | Middletown, Conn. WCNX 1180 Middletown, N.Y. WALL 1340 Middletown, Ohio WPFB 910 | Moss Point MS WKKY 1480 Mouiton, Ala. WHIY 1530 Moultrie, Ga. WMGA 1130 |
| Los Alamos, N.Mex. KRNS 1490 Los Angeles, Calif. KABC 790 | WOLD 1530 Marked Tree AR KPCA 1580 | Middietown, Ohio WPFB 910 Midiand, MI WMPX 1490 Midiand, Tex. KCRS 550 | Moultrie, Ga. WMGA 1130 WMTM 1300 Moundsyille, W.Va. WEIF 1370 |
| KFI 640 KHJ 930 KFWB 980 | Marksville, La, KAPB 1370 | KJBC 1180 | Mountain City, Tenn. WMCT 1390 Mountain Grove, Mo. KLRS 1360 |
| KGFJ 1230 KFAC 1330 | Marquette, Mich. WDMJ 1320 | KNAM 1510 KWEL 1800 Midwest City OK KRMC 1220 | Mountain Home AR KTLO 1240 |
| KIIS 1150 KLAC 570 | Marshall, Minn. KMHL 1400 Marshall, Mo. KMMO 1300 Marshall, N.C. WMMH 1480 | Milan, Tenn, WKBJ 1600 Milbank, SD KMSD 1510 Miles City, MT KATL 1340 | Mountain Home, Ida, KFLI 1240 Mountiake Terr., WA |
| KNX 1070 | marshall, Tex. KMHI 1450 | Milford, Conn. WFiF 1500 Milford, Del. WTHD 930 | Mt. Airy, N.C. KAAR 1510 WPAQ 740 WSYD 1300 |
| KPOL 1540 KGBS 1020 Los Banes, Calif. KLBS 1330 | KKYR 1410 Marshalltown, Iowa KFJB 1230 Marshfield, Mo. KEMM 1510 | Milford, Mass. WMRC 1490 Millbank, SD KMSD 1510 | Mt. Carmel, III. WVMC 1360 |
| Los Banos, Calif. KLBS 1330 Louisa, Ky. WVKY 1270 Louisburg, N.C. WYRN 1460 | Marshfield, WI WDLB 1450 | Milledgeville, Ga. WMVG (450 WXLX 1060 Millen, Ga. WGSR 1570 | Mt. Carmel, Pa. WMIM (590 Mt. Clemens, Mish. WBRB 1430 |
| | Martinsville, Ind. WCBK 1540 Martinsburg, Pa. WJSM 1110 | Millington, Tenn. WTNN 1380 Millingoket, Me. WMKR 1240 | Mt. Dera, FL WGTW (580 Mt. Holly, N.J. W117 1480 |
| Louisville, Ky. WAVE 970 WAKY 790 WHAS 840 WKLO 1080 WINN 1244 | WKNR 740 | | Mt. Kiseo, N.Y. WVIP 1310 |
| WKLO 1080 Winn 1240 \ WFIA 900 | Martinsville, Va. WHEE 1370 WMVA 1450 Maryville, Mo. KNIM 1580 | Milton, FL WCKC (490 Milton, Pa, WMLP 1380 Milton WV WNST 1800 | Mt. Pleasant, IA KK81 1180 |
| WLOU 1350 WTMT 620 | I MIBENSVILLA GRILL KNITE LAID (| Milwaukee, Wis. WEMP 1250 . WRIT 1340 WISN 1130 | Mt. Pleasant, Mich. WCEN 1150 Mt. Pleasant, Tex. KIMP 960 Mt. Shasta, Calif. KWSD 620 |
| Loveland, Colo. KLOV 1570 | Maryville, Tenn. WGAP 1400 Mason, Mich. WUNN 1110 | WZUU 1290 WNOV 880 | Mt. Vernon, III. WMIX 940 |
| Loves Park., III. WLUV 1520 Lovington, N.Mex. KLEA 630 Lowell, Mass. WCAP 980 | Mason City, Iowa KGLO 1300 KRIB 1490 KSMN 1010 | WDKY 920 WTMJ 620 | Mt, Vernon, Ky. WRVK 1460 |
| Lubbook TX KEND 1590 | Massena, N.Y. WMSA 1340 WYBG 1050 | Minden, La. KASD 1240 Mineola, N.Y. WTHE 4520 Mineola, Tex. KMOO 1510 | Mt. Vernon, Ohlo WMVO 1300 Mt. Vernon, Wash. KAPS 1470 KBRC 1430 |
| KLBK 1340 | Massillon, Ohlo WTIG 990 Matewan, W.Va. WHJC 1360 | Mineral Wells, Tex. KORC 1140 Minneapolis-St. Paul MN | Muleshoe, Tex. KMUL 1380 Mullins, S.C. WJAY 1280 |
| KLFB 1420 KPYO 790 KLLL 1460 | Mattoon, III. WLBH 1770 Mauston, Wls. WRJC 1270 Mayaguez, P.R. WAEL 600 WKJB 710 | WCC0 630 KDWB 680 | WERK 990 |
| KSEL 950 Lucedale MS WRBE 1440 | WORA 780 I | WLOL 1330 KEEY 1400 WMKT 1370 | Munfordville, Ky, WLOC 1180 Munising MI WGON 1400 Murfreesborg, N. C. WWDR 1080 |
| Ludington, Mish. WKLA 1450 Lutkin, Tex. KRBA 1840 | WPRA 990 WTIL 1800 | WDGY 1130 WWTC 1280 | |
| Lumberton, N.C. WAUR 580 | Mayfield, Ky. WNGO 1320 Mayodan, N.C. WMYN 1420 Mayville, N.D. KMAV 1820 | KTCR 690 KT18 900 KUOM 770 | Murphy, N.C. WMTS 610 Murphy, N.C. WGVP 600 WKRK 1820 Murphysboro, III. WIN1 1420 |
| Luray, Va. WRAA 1380 Luverne, Ala. WLVN 1080 | MeAiester, Okia, KTMC 1400 | KUOM 770 KSTP 1500 Minot, N. Dak. KLPM 1890 KHRT 1820 | |
| Luverne, Minn. KUAD 800 | - Maddan Tay KNED 1180 | KCJII 910 I | Murray, Utah KMOR 1280 Muscatine, lowa KWPC 860 |
| Lykens, PA WQIN 1290 Lynenourg, Va. WLVA 596 WLLL 980 WLGM 1320 | McCamey, Texas KAMY (450 McComb, Miss. WHNY 1250 | Mission, Kans, KBEA 1480 Mission, Tex, KIRT 1880 Missoula, Mont. KGVO 1290 | Muskegon, Mich. WKBZ 850 WTRU 1600 |
| WLGM 1320 WWOD 1850 WBRG 1050 | WAKK 1140 WAPF 980 | KGMY 1450 I | WMILE 1000 |
| Lynn, Mass. WLYN 1860 Lyons, Ga. WBBT 1840 | McConnellsburg, PA WVFC 1530 McCook, Nebr. KBRL 1800 | KYLT 1340 KYSS 980 Mitchell, S.Dak. KORN 1490 | Muskegon Heights, Mich. WKJR 1520 Muskogee, Okla, KBIX 1490 KMUS 1380 |
| Macnias, Me. WMCS 1400 Macomp, III. WKAI 1510 Macon, Ga. WBML 1240 | KICX 1360 McFariand, Cal. KXEM 1590 McGehes AR KVSA 1220 | Moab, Utah KURA 1480 | Myrtie Beach, S.C. WMYB 1450 WTGR 1520 |
| Macon, Ga. WBML 1240 WCRY 900 WDEN 1500 | McKeesport, Pa. WEDO 810 | WARR IARO I | Nacogdoches, Tex. KEEE [230 KSFA 660 |
| WIBB 12hu | McKenzie, Tenn. WHDM 1440 | WGOK 900 WMOO 1550 WMOB 840 | Nampa, Idaho KFXD 880 KAIN 1340 Nanticoke, Pa. WNAK 730 |
| WMAZ 940 WNEX 1400 Macon, Mo. KLTI 1560 Macawaska, Me. WSJR 1230 | McLeansboro, IL WMCL 1060 McMinnville, Ores, KMCM 1286 | WKRG 710 I | Napa, Calif. KVON 1440 Napies, Fia. WNOG 1270 |
| Madera, Calit, KHUT 1250 Madili, Ukia. KMAD 1550 | Meminnville, Tenn. WBMC 960 WAKI 1230 | Mobridge, S.Dak. KOLY 1300 Mocksville, N.C. WDSL 1520 | Narrows-Pearlsburg, Va. WNRV 990 |
| Madisen FL WMAF 1280 Madison, Ga. WYTH 1250 | McPherson, Kans, KNEX 1840 McRae, Ga, WDAX 1410 Mcadville, Pa, WMGW 1490 | Modesto, Calif. KTRB 860 KBEE 970 | Nashua, N.H. WOTW 900 WSMN 1590 Nashvilie AR KBHC 1260 |
| Madison, Ind. WORX 1270 Madison, S.D. KJAM 1390 Madison, Tenn, WENO 1430 | Mebane NC WQWX 1080 | Molave, Calif. KDOL 1340 Molave, Calif. KDOL 1340 Moline, III. WQUA 1230 | Nashville, Ga. WNGA 1600 Nashville, Tenn. WKDA 1240 |
| Magison, Wis. WHA 970 WIBA 1310 WISM 1480 | I MEGTORG. Orea. KMFD 1440 I | Moline, III. WQUA 1230 Monahans, Tex. KVKM 1330 Moneks Corner, S. C. WBER 950 Monett, Mo. KRMO 990 | Nashville, Ga. WNGA 1800 Nashville, Tenn. WKDA 1240 WLAC 1510 WMAK 1300 WNAH 1360 |
| / WTSD 1070 | KBOY 750 KYJC 1230 | Monette AR KBIB 1560 | WSIX 980 WSM 650 WWGM 1560 |
| WMAD 1550 Madisonville, Ky, WFMW 730 WTTL 1310 | Melbourne, Fla. WMMB 1240 | Monmouth, III. WRAM 1330 Monroe, Ga. WMRE 1490 | Natchez, Miss. WMIS 1240 |
| Madisonville, Tenn, WKYZ 1250 Magee, Muss. WSJC 810 | Mamphis Tenn WMRG 586 | monroe, La. KMLB 1440 | Natchitoches, La. / KNOC 1450 |
| Makawai, Hawaii KNUI 1310 Makawai, Hawaii KNUI 1310 Makaviiie, N.C. WDSL 1520 | WWEE 1430 WMC 790 ₩ WD1A 1070 | KNOE SAO I | Natick, MA KGTR 1060 Naugatuck, Conn. WOWW 1380 Nayasota, Tex. KWBC 1550 |
| Maiden, Mo. KTCB 1470 Maidne, N.Y. WICY 1490 | WMPS 680 WLOK 1340 WMQM 1480 | Monroe, MI WHND 560 Monroe, N.C. WIXE 1190 WMAP 1060 Monroe, Wis. WEKZ 1280 | Nebraska City, Nebr. |
| Maivern AH KBOK 1310 Manassas, Va. WPRW 1460 Manati, P.R. WMNT 1500 | WREC 600 | Monroe, Wis. WEKZ 1260 Monroeville AL WMFC 1360 Monroeville, Pa. WPSL 1510 | Neenah, Wis. WNAM 1280 |
| Manchester, Conn. WINF 1230 Manchester, Ga. WFDR 1370 | Memphis, Tex. KWAM 990 Mena AR KENA 1430 Mendota, III, WGLC 1090 | Monterey, Calif. KIDD 630 KMBY 1240 Montevideo, Minn, KDMA 1460 | Neon, Ky. WNKY 1480 |
| Manenester, Ky. WWXL 1450 Manenester, N.H. WFEA 1370 | Menominee, Mich. WAGN 1340 | Monte Vista, Colo. KSLV 1240 Montezuma, Ga. WMNZ 1050 | Nevada, Mo. KNEM 1240 |
| WKBR 1250 | Menomenie, Wis. WMNE 1360 Merced, Callf. KYOS 1480 KWIP 1580 | WXV1 1600 | WREY 1290 New Albany, Miss. WNAII 1470 |
| Manhattan, Kans. KSAC 580 KMAN 1350 | Meridian Miss WCOC 919 | WCOV 1170 WHHY 1440 WMGY 800 | Newark, N.J. WVNJ 620 WNIR 1430 |
| Manistee, Mich. WMTE 1340 Manistique, Mich. WTIQ 1490 Manitou Springs, Cole. | WDAL 1330 WMOX 1010 | Montgomery, W.Va. | Newark, N.Y. WACK 1420 Newark, Ohio WCLT 1430 |
| Manitowoo, Wis. WCUB 980 | WOKK 910 WQIC 1450 WTNK 1390 | WMON 1340 Monticello AR KHBM 1430 Monticello, FL WTBJ 1090 | |
| Mankato, Minn. KYSM 1230 KYSM 1230 KTOE 1420 Manning, S.C. WYMB 1410 | Merkle, TX KWFA 1500 Merriii WI WJMT 730 | Monticello, Ky. WFLW 1360 Monticello, Miss. WMLC 1270 | WGSE 1380 |
| Mansheid, La. KDAI 1360 | Mesa AZ KBUZ 1319 KDKB 1510 Metropolis, III. WMOK 920 Metter, Ga. WMAC 1360 | Montpeller, Ida. KVSI 1450 Montpeller-Barre, Vt. WSKI 1240 Montrose, Colo. KUBC 580 | Newberry, Mich. WRNB 1490 Newberry, S.C. WKDK 1240 |
| Mansheld, Ohio WMAN 1400 WCLW 1140 | Metter, Ga. WMAC 1360 Mexia, TX KBUS 1590 | Montrose, Pa. WPEL 1250 | New Boston, Ohio WIOI 1010 New Boston, Tex. KNBO 1530 |
| Manti, UT KMTI 1340 Many, LA KWLA 1400 Mapiewood MN WMIN 1010 Maquoketa, jewa KMAQ 1320 | Mexico, Mo. KXEO 1340 Mexico, Pa. WJUN 1220 | Mooresville, N.C. WHIP 1350 Moorhead, Minn. KVOX 1280 Morehead, Ky. WMOR 1330 Morehead City, N.C. | New Britain, CT WRCQ 910 |
| Marathon, Pla. WPPG 1300 | WIOD 610 | | New Brunswick, N.J. WCTC 1450 |
| Mareo Island FL WRGI 1510 Marianna AH KZOT 1460 Marianna, Fla. WTYS 1340 | WFAB 990 WFUN 790 | Morgan City, La. KMRC 1430 Morganfield, Ky. WMSK 1550 | Newburgh, N.Y. WCTC 1450 Newburgh, N.Y. WGNY 1220 Newburyport, Mass. WNBY 1470 New Castle, Ind. WCTW 1550 |
| WTOT 980 Marietta, Ga. WFOM 1230 | WWOK 1280 WQAM 560 WQBA 1140 | Morganton, N.C. WMNC 1430 Morgantown, KY WLBQ 1570 Morgantown, W.Va, WAJR 1440 | New Castle, Ind. WCTW 1550 New Castle, Pa. WBZY 1140 WKST 1280 |
| Marietta, Ohlo WMOA 1490 WBRJ 910 | WQBA 1140 WQCN 1450 WINZ 940 | WCLG 1300 | Waweastle Wvo KASI 1240 |
| Marine City, Mish. | Miami, Okla, KGLC 910 | Morris, III. WCSJ 1550 | New Haven, Conn. WAVZ 1300 WELI 960 |
| WSMA 1590 Marinette WI WMAM 570 WLOT 1300 | WMBM 1490 WKAT 1360 | Morristown, N.J. WMTR 1250 Morristown, Tenn. WCRK 1150 | WNHC 1340 New Iberia, La. KANE 1240 KNIR 1360 |
| Marion AL WJAM (810 Marion, III. WGGH (180 Marion, Ind, WBAT (406 | WMBM 1490 WKAT 1360 Michigan City, Ind, WIMS 1420 Middlebury, Vt. WFAD 1490 Middleport-Poperoy Oble | Morro Bay, Calif. KRALLISO | New Kensington, Pa. WKPA 1150 |
| WGOM and | WMPO ISO | Morton, Tex. KRAN 1280 Moscow, Idaho KRPL 1400 | Newland, NC WJTP 1130 New London, Conn. WNLC 1510 |

| Location Call kHz | Location Call kHz | Location Call kHz | Location Call kHz |
|---|---|---|--|
| New Martinsville, W.Va. WETZ 1330 Newnan, Ga. WCOH 1400 | KSVN 730 KVOG 1490 Ogdensburg, N.Y. WSLB 1400 | Pastillo, P.R. WCGB 1050 Patchogue, L.I., N.Y. WALK 1370 WSUF 1580 Paterson, N.J. Pauls Valley, Okla. KVLH 1470 | Ponca, City, Okla. WBBZ 1230 WPRP 910 WEUC 1420 |
| New Orleans LA WCOH 1400 WNEA 1300 WGSO 1280 WNNR 990 | Oli City, Pa. WKRZ 1340 Okeechobee, Fla. WOKC 1570 | Paterson, N.J. WSUF 1580 Paterson, N.J. WPAT 930 | WPAB 550 WLEO 1170 WISO 1260 |
| WBOK 1230 WNOE 1060 | KLPR 1140 KOCY 1340 | Pawhuska, OK KOKN 1500 | Pontiac. 11i. WPOK 1080 |
| WSMB 1350 WNPS 1450 WSHO 800. | KOMA 1520 KTOK 1000 KQCV 800 WKY 930 | Payette, Ida. KYET 1450 Persail, Tex. KVWG 1280 Pecos, Tex. KIUN 1400 Peckskill, N.Y. WLNA 1420 | Pooli, Ind. WVAK 1560 |
| WTIX 690 WWL 870 WVOG 600 | Okmulgee, Okla. KOKL 1240 Old Saybrook, Conn. WL18 1420 | Peckskill, N.Y. WLNA 1420 Pekin, III. WSIV 1140 Pell City AL WFHK 1430 Pendleton, Oreg. KTIX 1240 | Poplar Blum, Mo. KWOC 930 |
| Newport AR KNBY 1280 | Olean, N.Y. WMNS 1360 WHDL 1450 Olney, III. WVLN 740 | Pendleton, Oreg. KTIX 1240 KUMA 1290 Pennington Gap, Va. WSWV 1570 Penessela Fia WROP 980 | Poplarville, Miss. WRPM 1530 Portage MI Portage, Pa, WWML 1470 Portage, Wis. WPDR 1350 |
| Newport, N.H. WCNL 1010 Newport Oren KNPT 1310 | Olympia, Wash. KGY 1240 KITN 920 | Pensacola, Fia, WBOP 980 WBSR 1450 | Porto aquilla Mo KMIS 1050 |
| Newport, R.I. WADK 1540 Newport, Tenn. WLIK 1270 Newport, Vt. WIKE 1490 Newport News, Va. WGH 1310 | Omaha, Neb. KLNG 1490 KFAB 1110 KOIL 1290 KOOO 1420 | WYIX 610 WNVY 1230 | Port Arthur TX KPM 1450 Port Arthur TX KDE 1450 Port Arthur TX KDE 1340 FAG 1250 |
| Newnort Richey, Fla. | KOWH 660 WOW 890 | WCOA 1370 WPFA 790 Penuelas, PR WPPC 1330 | RYKR 1510 |
| New Prague, Minn, KTMF 1350 New Richmond, Wis. | Omak, Wash. KOMW 680 Onelda, N.Y. WMCR 1600 Onelda, Tenn. WBNT 1310 O'Nelli, Nebr. KBRX 1350 | Peoria, III. WXCL 1350 WMBD 1470 WIRL 1290 | Port Hueneme, Calif. KACY 1520 Port Huron, Mich. WHLS 1450 WPHM 1380 |
| New Roads, La. KWRG 1500 New Rochelle, N.Y. WVOX 1460 | Oneonta AL WCKL 1870 Oneonta N.Y. WDOS 730 | Perry FL WGKR 1310 WPRY 1400 | Port Jervis, N.Y. WDLC 1490 Port Lavaea, Tex. KGUL 1560 Portland, IN WPGW 1440 Portland, Maine WCSH 970 |
| New Rochelle, N.Y. WVOX 1460 New Smyrna Beach, Fla. WSBB 1230 WCCZ 1550 | Ontario, Oreg. KSKV 1380 | Perry, Ga. WPGA 980 Perry, Iowa KDLS 1310 Perryton Tax KFYE 1400 | WGAN 560 WLOB 131u |
| Newton, Iowa KCOB 1280 Newton, Kans. KJRG 950 Newton Mass WNTN 1550 | Opelousas, La. KSLO 1230 | Petaluma, Calif. KTOB 1490 | Portland, Oreg. KBPS 1450 KLIQ 1290 |
| Newton, Mass. WNTN 1550 Newton, Miss. WBKN 1410 Newton, N.J. WNNJ 1360 Newton, N.C. WNNS 1230 | Opportunity, Wash, KZUN 630 Oraque, Mass. WGAT 1390 | Peterborough, N.H. WSCV 1050 Petersburg, Va. WSSV 1240 Petosi, Mo. KYRO 1280 | KEX 1190 KGW 620 KKEY 1150 |
| New York, N.Y. WABC 770 | Orange, Va. WJMA 1340 Orangebure, S.C. WDIX 1150 | Petoskey, Mich. WMBN 1340 WJML 1110 | KOIN 970 KLSC 1410 |
| WADO 1280 WBNX 1380 WCBS 880 | WORG 1580 WTND 920 Orange Park, Fig. WAYR 550 | Phenix City, Ala, WPNX 1460 | KPDQ 800 KPOK 1330 KWJJ 1080 |
| WEVD 1330 WHN 1050 WHT 1480 | Ord, Neb. KNLV 1060 Oregon City, Ore. KYXI 1520 | WCAU 1210 WDAS 1480 | Part Naches, TX KSUZ 1150 |
| WIT 1480 WINS 1010 WLIB 1190 WMCA 570 | Orlando, Fia. WUBO 000 | WFIL 560 WFLN 900 WHAT 1340 WIBG 990 | Portsmouth, N.H. WBBX 1380 |
| WMCA 570 WNBC 660 WNEW 1130 | WORL 1270 WLOF 950 WK18 740 Orleans, Mass. WVLC 1170 | WIP 610 WPEN 950 | Portsmouth, Ohio WPAY 1400 WNXT 1280 Portsmouth, VA WPCE 1400 WKLX 1350 WPMH 1010 |
| WNYC 830 WOR 710 WPOW 1330 | Ormond Beach, Fla. WDAT 1380 Orofine, Idaho KLER 950 | WRCP 1540 WTEL 860 Philipsburg, Pa. WPHB 1260 | |
| WQXR 1560 WWRL 1600 Niagara Falls, N.Y. WHLD 1270 WJJL 1440 | Ordville Minn. KOIO 1350 Ortonville, Mon. KRMS 1150 Osage Beh., Mo. KRMS 1150 Oscola AR KOSE 860 Oshkosh, Wis. WAGO 690 WYTL 1490 | Phillipsburg, KS KKAN 1490 Phoenix AZ KIFN 860 | Port Washington, Wis. B 1560 Post, Tex. KP08 1870 Poteau, Okla. KLC0 1280 |
| Nicholasville, Ky. WNVL 1200 Niles, Mich. WNIL 1290 | | KASA 1540 KHCS 1010 KPHX 1480 KHEP 1280 | Potomac-Cabin John, Md. WCTN 1300 |
| Nites, Ohio WNIO 1540 Noblesville, Ind. WHYT 1110 Nogales AZ KFBR 1340 | Oskaloosa, Iowa KBOE 740 Oswego, N.Y. WSGO 1440 Othelio, Wash. KRSC 1400 Otsego, Mich. WAOP 980 | KMED 740 KOY 550 | Potsdam, N.Y. WPDM 1470 Potstown, Pa. WPAZ 1870 |
| Nome AK KICT 530 - KNOM 780 Norfolk Nehr WIAG 780 | Ottawa, Kans. KOFO 1220 | KOOL 960 KJJJ 910 KRIZ 1230 | Pottstown, Pa. WPAZ 1370 Pottsville, Pa. WPAM 1450 WPPA 1360 Poughkeepsie, N.Y. WEOK 1390 |
| Norfolk, Va. WTAR 790 WCMS 1050 WNOR 1230 | Ottumwa, Iowa KBIZ 1240 KLEE 1480 | KTAR 620 KXIV 1400 Pleayune, Miss. WRJW 1320 | Poweil, Wyo. KPOW 1260 Poynette, Wis. WIBU 1240 |
| WEAP 850 WZAM 1110 | Owatonna, Minn. KRFO 1390 Owago, N.Y. Owensboro, Ky. WOMI 1490 WVJS 1420 Owasso, Mich. WOAP 1080 | Pledmont AL WPID 1280 Pledmont, Mo. KPWB 1140 Pierre, S.D. KGFX 1060 | Praire du Chien, Wis. WPRE 980 |
| Normal, IL WAKC 1440 Norman, Okla, WNAD 640 KNOR 1400 Norristown, Pa. WNAR 1110 | Owesso, Mich. WOAP 1080 Oxford, Miss. WSUH 1420 Oxford NC WCBQ 1340 | Pikeviile, Ky. WLS1 900 WPKF 1240 | Destricted Al WPEC (411) |
| N. Adams, Mass. WMNB 1230 N. Atlanta, Ga. WRNG 680 | Oznek Al WOZK 900 | Pikesville, TN WUAT 1110 Pine Bluff AR KCLA 1400 | KENT 1340 |
| N. Augusta, S.C. WGUS 1380 WFNL 1600 N. Bend. Ore. KBBR 1340 | Ozark AR KZRK 1540 | KADL 1270 KOTN 1490 KCAT 1340 | Presque, Isle, Me. WAGM 950 WEGP 1390 |
| North Charleston, S.C. WNCG 910 Northampton, Mass. | Page AZ KPGE 1340 | KYDE 1590 Pine Castle-Sky Lake, FL / WHHL 1190 Pine City, Minn. WCMP 1350 | Preston, Idano KFIL 1060 |
| North East, Pa. WHYP 1530 | Pageland, SC WPSC 1510 | Pine Castre-Sky Lake, FL 19 Pine City, Minn. WGMP 1350 Pinelias Park, Fla. WF30 570 Pineville, Ky. WANO 1230 Pineville, LA KPAL [110 Pineville, W.Va. WWYO 970 Pinestone, Minn. KLOH 1050 | Price, Utah KOAL 1230 |
| N. Little Rock, AR KDXE 1380 | Paintsville, Ky. WSIP 1490 Paintsville, Ky. WSIP 1490 Palatka, Fia. WWPF 1260 | Pineville, LA KPAL 1110 Pineville, W.Va. WWYO 970 Pipestone, Minn. KLOH 1050 | Priceton, III. WXOE 1490 Princeton, Ind. WXAY 1250 Princeton, Ky. WPKY 1580 |
| North Platte, Nebr. KJLI 970 KNOP 1410 | Palestine, Tex. KNET 1450 | Piqua, Ohlo WPTW 1570 Pittsburg, Calif. KKIS 990 | Princeton, Minn. WKPM 1300 Princeton, N.J. WHWH 1350 |
| North Pole AK KJNP 1170 KRKM 600 | Palm Sprgs., Cal. KCMJ 1010 KDES 920 | K8EK 1340 | Prosser. Wash. KANY ISIU |
| No. Syracuse, N.Y. WSOQ 1220 N. Vernon, Ind. WOCH 1460 No. Wilkesboro, N.C. | Palmdale, Calif. KUTY 1470 Palm Desert, Cal. KGOL 1270 | Pittsburgh, Pa. KQV 1410 WAMO 860 WKPQ 1320 WPIT 730 WTAE 1250 | |
| Norton Kane WKBC 810 | Panona, Cal. KWOW 1600 | WPIT 730 WTAE 1250 WEEP 1080 WWSW 970 | WJAR 920 WLKW 990 |
| Norwalk, G. WLKR 1510 | Panama City Beh., Fla. WGNE 1480 | | WPRO 630 WRIB 1220 Provo, Utah KIXX 1400 KFTN 1400 |
| Norwich, ConnWICH 1310 Norwich, N.Y. WCHN 970 Oakdale, La. KREH 900 | Panama City, Fia. WDLP 590 WPCF 1430 | WBRK 1340 WGRG 1110 | KEYY 1450 KOVO 960 |
| Oakes ND KDDR 1220 Oak Grove, La. KWCL 1280 Oak Hill, W. Va. WOAY 860 Oakland, Cal. KNEW 910 | Paoli; Ind. WVAK 1560 | Plainfield, N.J. WERA 1590 Plainview, Tex. KVOP 1400 | Pryor, Okia. KOLS 1570 Pueblo, Colo. KOZA 1230 |
| KDIA 1310 | Paris AR RUGE 1400 Paris, III, WPRS 1440 | Plant City, Fla. WPLA 910 Platteville, Wis. WSWW 1590 | KAPI 690 |
| Oakland, Md. WMSG 1050 Oakland Park, Fla. WEXY 1520 | Paris, Tenn. WTPR 710 | WKDR 1070 | KFEL 970 KKAM 1350 KPUB 1480 |
| Oak Park, III. WOPA 1490 Oak Ridge, Tenn. WATO 1290 | Parker, AZ KZUL 1380 Parkersburg, WV WADC 1050 | Pleasantoille, N.J. WOND 1400 | Pulaski, Tenn. WKSR 1420 Pulaski, Va. WPUV 1580 WBLB 1510 |
| Oberlin, Ohlo WOBL 1570 Ocala, Fla. WMOP 900 | WPAR 1450 WKYG 1230 Park Falls, Wis, WNB! 980 | Plymouth, Ind. WICA 1939 Plymouth, Mass. WPLM 1390 Plymouth M.C. WPNC 1470 | Pullman, Wash, KWSU 1250 KPUL 1150 Punta Gorda, Fla. WCCF 1580 |
| W M K E 1370 W W K E 1370 Ocean City, Md. WETT 1590 | Park Rapids, Minn. KPRM 1240 Parma OH WSUM 1000 | Plymouth, N.C. WPNC 1470 Plymouth, N.H. WPNH 1300 Plymouth, WNLY 1420 Posahontas AR KPOC 1420 | Punxsutawney, Pa. WPME 1540 Putnam Conn. WINY 1350 |
| Oceanside, Callf. KUDE 1320 | Parsippany NJ WQTK 1310 Parsons, Kans, KLKC 1540 | Pocatello, Idano KSEI 930 KWIK 1240 | Puyallup, WA KUPY 1450 Quanah, Tex. KOLJ 1150 Quantieo, VA WPWC 1570 Quiney, Cal. KPCO 1570 Quiney, Fla. WCNH 1250 |
| Ocilia, Ga. WSIZ 1380 Oconto, Wis. WOCO 1260 Odessa TX KBZB 920 | Pasadena, Cal. KPFC 1240 | Poesmoke City, Md. WDMV 540 Poison, MT KERR 1070 | Ultinev. III. WGEM 1440 |
| KOZA 1230 KOYL 1310 KRIG 1410 | KWKW 1300 Pasadena, Tex. KLVL 1480 KIKK 650 | Pompton, Lakes, N. J. | Quincy, Mass. WJDA 1300 Quincy, Wash. KPOR 1370 |
| Onatials Nebr. KOGA 930 | Pascagoula-Moss Point, Miss. WPMP 1580 Pasco, Wash. KORD 910 | Pompano Beach, Fla. WLOD 980 | Quitman, Ga. WSFB 1490 Quitman, Miss. WBFN 1500 |
| Ogaliala, Nobr. KOGA 930 Ogden, Utah KLO 1430 KANN 1090 | Paseo, Wash. KORD 910 Pase Robles, Calif. KPRL 1230 | Pompano Beach, Fla. WLOD 980 WRBD 1470 | Racine, WI WRKR 1460 WRJN 1460 |

| | Location | Call | kHz | Location | Call kH | iz | Location | Call kHz | Location | Call kHz |
|----|--|--------------------------------------|------------------------------|---|--|----------------|--|--|---|---|
| | Radford, Va. Raeford, N.C. | WRAD | 1400 | Rogers AR | WNLB 12 KAMO 13 | 90 | | KLUB 570 KNAK 1280 | Seottsdale AZ Seottsville, Ky. Seranton, Pa. | KDUT 1440 WLCK 1250 |
| | Raineile, WV Rainsville AL Raieigh, N.C. | WRRL WVSM WKIX | 1500 | Rogers City, Mich. Rogersville, Tenn. Rolla, Mo. | WRGS 13 | 70 90 | | KRGO 1550 KRSP 1060 KSL 1160 KSOP 1370 | Seranton, Pa. | WLCK 1250 WARM 590 WEJL 630 WGBI 910 |
| | • | WYNA WPTF WLLE WRNC | 570 | Rome, Ga. | WLAQ 14 WLYN 130 | 10 60 | • | KSXX 630 KWHO 860 | Seaford, DE | WICK 1400 WSCR 1320 WSFD 1280 |
| | Rails, Tex. Rantoul, [i]. Randolph VT | KCLR WRTL WCVR | 1530 1460 | Rome, N.Y. | WRGA 14: WROM 7 WKAL 14: WRNY 13: | 10 1 | San Angelo, Tex. | KWMS 1280 KTEO 1340 KGKL 960 KPEP 1420 | Searey, AR Seaside, Ore. Seattle, Wash. | KWCK 1300 KSWB 930 KAYO 1150 |
| | Rapid City, S.Dak. | KOTA KIMM KTOQ | 1380 1650 1340 | Ronceverte, WV Roseau, Minn. Roseburg, Oreg. | WRON 14 KRWB 14 KRNR 14 | 00 | San Antonio, Tex. | KIXY 1260 ` | | KIXI 910 KING 1090 KIRO 710 KJR 950 |
| رڼ | Raton, N.Mex. Ravenswood, W.Va. | KKLS KRTN WMOV | 920 1490 1360 | | KRXL 125 KYES 9 | 40 50 50 | | KQAM 1150 KBUC 1310 KCOR 1350 | | KMPS 1300 KOMO 1000 KUUU 1590 |
| É | Raymond, Wash. Raymondville, Tex. | KRAL KAPA KSOX KRIH | | Rose Hill, N.C. Rosenberg, Tex. Roseville, Cal. | WEGG 71 KFRD 91 KPOP 11 | 10 80 10 | • | KEDA 1540 KUKA 1250 KMAC 630 | | KYAC 1250 KVI 570 |
| | Rayville, La. Reading, Pa. | WEEU | 1240 | Rossville, Ga. Roswell, N. Mex. | KRSY 123 KRDD 132 | 20 | Ora Brownston Or | KONO 860 KTSA 550 WOAI 1200 | Sebring, Fla. | KBLE 1050 WJCM 960 WSEB 1340 |
| | Red Bay AL Redding, Calif. | WRAW WRMG KRDG KCLM KQMS | 1230 | Rexboro, N.C. | KKAT 143 KBIM 91 KBCQ 102 WRXO 143 | 10 20 | San Bernardino, Ca | KCKC 1350 KFXM 590 KBON 1240 | Sedalla, Mo. Sedona, AZ Seguin, Tex. | KDRO 1490 KSIS 1050 KAZM 1470 |
| | D. I. D. I. D. I. D. I. I. | KVCV | 600 540 | Royal Oak, Mich. Royston, Ga. Rushy, N. Dak. | WEXL 134 WBLW 81 KGCA 145 | 40 10 | Sandersville, Ga. San Diego, Calif. | KMEN 1290 WSNT 1490 KCBQ 1170 | Seguin, Tex. Selinsgrove, Pa. Selma AL | WED 1580 WSEW 1240 WAMA 1340 WHBB 1490 |
| - | Red Bluff, Calif. Redfield, SD Redlands, Calif. Red Lion, Pa. | KBLF KFCB KCAL WGCB | 1490 1380 1410 1440 | Runford, Me, Rupert, Idahe | KRRR 130 WRUM 79 KAYT 97 KRUS 149 | 90 | | KFMB 760 KOGO 600 KGB 1360 | Selma, N.C. Selmer, Tenn, | WTQX 1570 WBZB 1090 WDTM 1130 |
| | Red Lodge, Mont. Redmond, Oreg. Red Oak, lowa | KRBN KPRB KOAK | 1450 1240 1080 | Rushton, La. Rusk, Texas Russell, Kans. Russellville AL | KTLU 158 KRSL 99 WWWR 92 | 90 | Sandpoint, Idaho Sand Spring, Okia. | KSON 1240 KSDO 1130 KSPT 1400 KTOW 1340 | Seminole, Tex. Senatobla, Miss. Seneca Falls, N.Y. | K1KZ 1250 WSAO 1550 WSFW 1110 |
| | Red Springs, N.C. Red Wing, Minn. Redwood Falls, Mi. | KOAK WYRU KCUE KLGR | 1250 1490 | Russellville AR Russellville, Kv. | WKAX 150 KARV 149 WRUS 61 | 90 | Sandusky, Mich. Sandusky, Ohio Sandy Creek-Pulask | WMIC (580 | Seneca Township, 8 Sevierville, Tenn. | W8NW 1150 WSEV 930 |
| | Reedsburg. W1s. Reedsport, Ore. Reidsville GA | WRDB KDUN WTNL WFRC | 1400 1470 1390 | Rutland, Vt. Rutherfordton, N.C | WHWB 100 WSYB 138 | 30 | San Fernando, Calif Sanford, Fla. | | Seward, AK Seymour, Ind. Seymour, Tex. Shakopee, Minn. | KRXA 950 WJCD 1390 KSEY 1230 KSMM 1530 |
| | Reidsville, N.C. Remsen, N.Y. Reno, Nev. | WREV WADR KOH | 1220 | Sacramento, Calif. | WCAB 59 KCRA 132 KFBK 153 | 20 | | WSFR 1300 WSME 1220 WEYE 1290 WWGP 1050 | Shallotte, N.C. Shamokin, Pa. Shamroek, Tex. | WVCB 1410 WISL 1480 KBYP 1580 |
| | | KBET KCRL KOBY | 1340 780 1550 | , | KGMS 138 KJAY 143 KRAK 114 KROY 124 | 50 60 | San Francisco, CA | KFRC 610 | Sharon, Pa. Shawano, Wis. Shawnee, Okia. | WPIC 790 WTCH 960 KGFF 1450 |
| | B | KOLO KONE KCBN | 1230 / | | KNDE 147 KGLU 148 KATO 128 | 70 30 | | KFAX 1100 KGO 810 KNBR 680 KKHI 1550 | Sheffield AL | WHBL 1330 WKTS 950 WSHF 1290 KSEN 1150 |
| | Rensselaer, IN Rensselaer, N.Y. Rexburg, Idaho Rhinelander, Wis | WRIN WQBK KRXK WDBT | 1300 1230 1240 | Sag Harbor, N.Y. Saginaw, Mich. | WLNG 160 WKNX 121 WSAM 140 WSGW 79 | 0 | | KIQI 1010 KSFO 560 KEST 1450 | Shelby, Mont. Shelby, N.C. Shelbyville, III. | KSEN 1150 WOHS 730 WADA 1390 WSHY 1560 WSVL 1520 |
| | Rhinelander, Wis, Rice Lake, Wis, Richfield MN Richfield, Utah | WYDD WYMC | 980 980 | St. Albans, Vt. St. Albans, W.Va. St. Anthony, Ida. St. Augustine, Fia. St. Charles, Mo. | WWSR 142 WKLC 130 KIGD 140 | 000 | San Gabriel, Cal, San German, P.R. Sanitonia, Miss. | KYA 1260 KAL1 1430 WR8G 1090 | Sneibyville, Ky. | WCND 940 WHAL 1400 |
| | Richland Center, W | KALE VIE. WRCO | 9 6 0 1450 | St. Augustine, Fla. St. Charles, Mo. | WFOY 124 WAOC 142 KIRL 146 | 0 | San Jose, Calif. | WSAO 1550 KLOK 1170 KLIV 1590 KEEN 1370 | Sheldon, Iowa Shell Lake, Wis. Shelton, Wash. | WL1J 1580 KIWA 1550 WCSW 940 |
| | Richmond, Kv. | WEKY | 540 1490 1340 1110 | St. Cloud, MN St. George, S.C. St. George, Utah | KCLD 145 WJON 124 WQIZ 81 KDXU 143 | 10 | San Juan, P.R. | KXRX 1500 WAPA 680 WBMJ 1190 | Shenandosh, Iowa | KMA8 1280 KMA 960 KFNF 920 WMBT 1530 |
| | Richmond, Va. | WANT WBBL Wrgm | 990 1480 1 54 0 | | KOHI 160 WIDG 94 WRBJ 158 | 0 | , | WHOA 870 WIAC 740 WIPR 946 | Sheridan, Wyo. Sherman, TX | KWY0 1410 KROE 930 KIKM 910 |
| | | WEET | 1480 1320 1590 1380 | St. Ignace, Mich, St. Johns, Mich, St. Johnsbury, Vt. St. Joseph, Mich. St. Joseph-Benton | WTWN 134 W8JM 140 Harbor. | 10 | , | WQII 1140 WKAQ 580 WKVM 810 WKZE 1030 | Shippensburg, Pa. Show Low, AZ | KXTO 1500 WSHP 1480 KVSL 1450 KVWM 970 |
| \ | | WRNL WRVA WXGI | 910 1140 950 | Mich. St. Joseph, Mo. | WHFB 106 KFEQ 68 KKJO 155 KUSN 127 | 0 | San Luis Obispo, C | WQBS 630 WRAI 1520 | Shreveport, La. | KBCL 1220 KEEL 710 KOKA 1550 |
| | Richwood, W.Va. (Ridgecrest, Cal. | KZIQ | 600 1240 1360 | St. Louis, Mo. | KMOX 112 KMOX 112 KSD 55 | 0 | San Marcos, TX | KATY 1340 KSLY 1400 KVEC 920 | | KOIJ 980 KRMD 1340 |
| | Riffe, Colo. | WBUG KWSR WUNO WSCA WTRB | 610 | | KTSL 69 KWK 138 KXOK 63 WEW 77 | iŏ l | San Mateu, Calit. San Katael, CA San Saba, Tex. | KONY 1470 KOFY 1050 KTIM 1510 KBAL 1410 | Sidney, Mont. | KWKH 1130 KFLO 1300 KGCX 1480 KSID 1340 |
| | Ripley, Miss. Ripley, Tenn. Ripon, Wis. River Falls, Wis. Riverhead, N.Y. | WTRB WCWC WEVR WRIV | 1570 1600 1550 | St. Louis Park, Mir | WIL 143 KXEN 101 | 0 | San Sebastion, P.R. Santa Ana. Calif. | WFBA 1460 KWIZ 1480 | Sidney, Nebr. Sidney, O. Sierra Vista AZ Sikeston, Mo. | KSID 1340 WMVR 1080 KTAN 1420 KSIM 1400 |
| | Riverhead, N.Y. Riverside, CA | WRCN KPRO KHNY | 1440 | St. Maries ID St. Mary's, Pa. | KRSI 95 KOFE 148 WKBI 140 | 0 | Santa Barbara, Cal. | KDB 1490 KTYD 990 KIST 1340 KTMS 1250 | Siler City, N.C. Siloam Springs AR | KMPL 1520 WNCA 1570 KUOA 1290 |
| | Riverton, Wye. Roanoke AL Roanoke, Va. | KVOW WELR | 1450 1360 | St. Matthews, SC St. Paul MN (see St. Paul MN) St. Pauls NC | WQKI 71 Minneapolis | - | Santa Clara, Cal. Santa Cruz, Calif. | KKIO 1290 | Silver City, N. Mex. | KKAS 1300 KSIL 1340 WGAY 1050 |
| ' | | WFIR WRIS WTOY WROV | 1240 | St. Peter, Minn. St. Petersburg, Fla. | KRBI 131 WWBA 68 WSUN 62 | 0 | Sante Fe, N.Mex. Santa Maria, Cal. | KSCO 1080 KTRC 1400 KAFE 810 KV8F 1260 KUHL 1440 | Sinton, Tex. Sloux Center, Iowa Sloux City, Iowa | CFRS 1560 KIKN 1590 KVDB 1090 KSCJ 1360 |
| | Roanoke Rapids, N. Roaring Springs, P. | WSLC C WCBT | 610 1230 | St. Peterside Beach | FL WRXB 159 | 0 | , | KSMA 1240 KSEE 1480 KZON 1600 | | KMNS 620 KWSL 1470 KISD 1230 KCHF 1520 |
| | Roanoke Rapids, N. Roaring Springs, P. Robinson, III, Robstown TX Rochelle, III. | WKMC WTAY KROB | 1370 1570 1510 | Salamanca, N.Y. Salem, III. Salem, Ind. Salem, Mass. | WGG0 159 WJBD 135 WSLM 122 WESX 123 | 0 | Santa Paula, CA Santa Rosa, Calif. | KAAP 1400 KSRO 1350 | | KCHF 1520 KELO 1320 KNWC 1270 KSOO 1140 KIFW 1230 |
| | Rochester, Minn. | KROC | 1340 | Salem, Mo. Salem NH Salem, N.J. | KSM0 134 WVNH 111 WJIC 151 | 0 | Santa Rosa, N.Mex. Sapulpa, Okla. Saranae Lake, N.Y. | KVRE 1460 KJAX 1150 KSYX 1420 KREK 1550 | Skowhenen MF v | KSEW 1400 WSKW 1150 |
| · | Rochester, N.H. Rochester, N.Y. | WWNH WBBF WHAM | 930 950 1180 | Salem, O. Salem. Oreg. | WSOM 600 K8LM 1390 KCC8 1220 | 6 | | WNBZ 1240 WKXY 930 WQSA 1220 WSPB 1450 | Slidell LA Smithfield, N.C. V | KCAS 1050 WSDL 1860 VMPM 1270 |
| | | WNYR | 680 1370 | Salem, Va. Salida, Cole. | KGAY 148 | D | Saratoga Springs, N | WYND 1280 | Smithville, Tenn, Smyrna, Ga, Snyder, Tex, | WEOO 940 WJLE 1480 WYNX 1550 KSNY 1450 |
| | Rockford, III. | WROK WROK WYFE WRRR | 1440 1150 1330 | Salina, Kans. | KVRH 1340 KSAL 1150 KFRM 550 KINA 91 | 0 I | | WVAL 800 | Socorro, N.Mex. Soda Springs, Ida. Soddy-Dalsy TN | KSRC 1290 KBRV 790 WPID 1850 |
| | Rockford, Mich. Rock Hills, S.C. | WIPW | 810 1340 1150 | Salinas, Calif. | KINA 91 KDON 1460 KTOM 1380 KYWT 1570 KCTY 980 | 6 | Savannah GA | W800 1230 WQQT 1450 WEAS 900 | Soldotna AK Somerset, Ky. | KSRM 820 WSFC 1240 WTLO 1480 |
| | Rock Island, III. | WHBF | 900 1500 1270 | Salinas, P.R. Saline, Mich. Salisbury, Md. | WHOY 1210 WNR8 1290 | | · · | WSAV 630 WSGA 1400 WTOC 1290 WSOK 1230 | Somervine, N.J. V Soddy, Tenn, N Soddy-Daisy TN | VBRW 1170 WEDG 1240 WPJD 1550 |
| | Rockland, ME Rockmart, Ga. Rock Springs, WY Rockville, Conn. | WRKD WPLK KRKK WRKV | 1220 1360 800 | Salisbury, Md. | WICO 1320 | | Savannah, Tenn. Sayre, Pa. Schenectady, N.Y. | WORM 1010 WATS 960 WGY 810 | Sonora Calif | KVML (450 KVRN 980 WYOK (000 |
| | Rockville, Md. Rockwood, Tenn. Rocky Ford, Colo. | KRKK WRKV WINX WOFE KAVI | 1600 580 1320 | Sallisaw, Okla. | KBJS 1510 KRBB 1560 | | Scotland Neck N.C. | VWWD 1240 | So. Bena, Ind. | WIVA 1580 |
| | nocky mount, M.C. | | 1390 1490 | Salmon, Idaho Sait Lake City, Uta | KSRA 960 h Kall 910 KCPX 1327 | - 1 | Scottsbore AL | KNEB 960 KOLT 1320 WCR! 1050 WROS 1330 | | WESO 970 WHLF 1400 |

| U.S. AM STATIO | NS BY LOCATION | | |
|---|---|---|---|
| Location Call kHz | Location Call kHz | Location Call kHz | Location Call kHz |
| South Charleston, WV | WOLF 1490 | KTKT 990 | Warren, Ohio WHHH 1440 WTCL 1570 |
| 8. Daytora, Fia. WSCW 1410 8. Daytora, Fia. WELE 1890 So, Gastonia, N.C. WGAS 1420 So, Haven, Mich. WJOR 940 | Taber City, N.C. WTAB 1870 Tacoma, Wash. KMO 1860 | KOPO 1450 KUAT 1550 Tucumcari, N.Mex, KTNM 1400 | Warrenshurg Mo. KOKO 1450 |
| MOUTH HILL VA. WIWO 1370 | KTAG 850 KTNT 1400 | Tulare, Calif. KCOK 1270 KGEN 1370 | Warrenton, Mo. KWRE 730 Warrenton, N.C. WARR 1520 |
| Southington, Conn. WNTY 980 So. Knoxylile, Tenn. WSKT 1580 | Taft, Calif. KTKR 1810 | Tulla, Tex. KTUE 1250 | Warrenton, Va. WEER 1250 WKCW 1420 Warsaw IN WRSW 1480 |
| KOWL 1490 | Tahlequah, Okla. KTLQ 1350 Tahae Valley, Calif. KTHO 590 | Tulsa, Okía. KAKĆ 970 KXXO 1300 KRMG 740 | Warsaw NY WCJW 1140 |
| C MIANI EL WEILN 700 | Talladega AL WEYY 1580 | KEL! 1430 KV00 1170 | Warsaw, Va. WNNT 690 Warthurg, Tenn. WECO 940 |
| So. Pittsburg, Tenn. WEPG 910 | Tallahassee, Fla. WMEN 1830 WONS: 1410 | Tupele, Miss. WELO 580 | Warwick NY WTBQ 1110 Warwick-E. Greenwich, R.1. WARV 1590 |
| KDAN 1370 | WANM 1070 WTAL 1450 WTNT 1270 | WJLJ 1060 WTUP 1490 Turlock, Calif. KCEY 1390 | Waseea MN KOWO 1170 |
| Se. Williamsport, Pa. WMPT 1450 Spanish Fork, Utah KONI 1460 | Taliaposa, GA WKNG 1060 Taliasses AL WTLS 1300 | Tuscaloosa AL WJRD'1150 WACT 1420 | Washington, D.C. WMAL 630 WOL 1450 |
| Sparks-Reno NV KWRL 1270 Sparts, III. WHCO 1230 | Tallulah, La. KTLD 1360 Tampa, Fla. WQYK 1110 | WNPT 1280 WTUG 790 | WWDC 1260 WUST 1120 |
| Sparta, N.C. WCUK 1000 Sparta, Tenn. WSMT 1050 | W D A E 1250 W Y O U 1880 | Tuscumbla AL WVNA 1590 WZZA 1410 | WRC 980 WTOP 1500 Washington, Ga. WLOV 1370 |
| Sports Wis WKLJ 990 | WHB0 1050 | Tuskegee At. WBIL 580 Twenty-Nine Palms, Calif. | Washington, Ind. WAMW 1580 Washington, Iowa KCII 1380 |
| Spartanburg, SC WKDY 1400 WORD 910 | WTMP 1150 W80L 1300 | Twin Falls, Idaho KTFI 1270 | Washington, N.C. WEEW 1820 |
| WSPA 950 WASC 1530 | Taos, N. Mex. KKIT 1340 Tappahannock, Va. WRAR 1000 Tarboro, N.C. WCPS 760 | KEEP 1450 | Washington, Pa. WJPA 1450 WKEG 1110 |
| Spencer, Iowa Spencer, W.Va. WVRC 1400 Spokane, Wash, KGA 1510 | Tarbero, N.C. WCPS 760 Tarpen Springs FL WCWR 1470 Tasley, Va. WESR 1330 | Tyler, Tex. KZAK 1330 | Washington Court |
| KXXR 1440 KSPO 1230 | Taunton, Mass. WPEP 15/0 | KDOK (490 KTBB 600 KZEY 690 | Waterbury Conn. WATR 1320 Waterbury CN WQQW 1590 |
| KEZE 1380 KHQ 590 KJRB 790 | Taylor, Tex. KTAE 1260 Taylorsville, N. C. WSTH 860 WTLK 1570 Taylorville, III, WTIM 1410 | Tulertown Miss WTV 1900 | Waternury, VI. WUEV DOU I |
| KIRB 790 KREM 970 KXLY 920 | Taylorville, III. WTIM 1410 | Tyrone, Pa. WTRN 1340 Uhrlehsville, O. WBTC 1540 Uklah, Cal. KMSL 1250 KUKI 1400 | Waterloo IA KLEU 850 KXEL 1540 KNWS 1090 |
| KMBI 1330 KUDY 1280 | Taylorville, III, WTIM 1410 Tazewell, Tenn. WNTT 1250 Tazewell, Va. WTZE 1470 Tell City, Ind. WTCJ 1230 | Ulysses, Kan. KULY 1420 | Watertown, N.Y. WATN 1240 |
| Springdale AR KBRS 1340 KSPR 1590 | Tempe AZ KUPD 1060 | Union, S.C. WECU 1460 Union City, Tenn. WENK 1240 | WWNY 790 |
| Springfield, III. WCVS 1450 WMAY - 970 WTAY 1240 | Temple, Texas KTEM 1400 Terre Haute, Ind. WBOW 1230 | Uniontown, Pa. WMBS 590 Urbana, III. WILL 580 WCCR 1580 | Watertown, Wis. WTTN 1580 |
| Springfield, Mass. WHYN 560 WMAS 1450 | WAAC 1300 WTHI 1480 Terreli, Tex. KTER 1570 | Utlea, N.Y. WIBX 950 WBVM 1550 | Water Valley, Miss. WVLY 1820 |
| Springfield MO KBUG 1060 | Terrell Hills, Tex. KITE 930 | WILB 1310 | Waterville, Me. WTVL 1490 Watkins Glen, N.Y. |
| KGBX 1260 KICK 1340 KLFJ 1550 | | Utuado, P.R. WUPR 1530' Uvalde, Tex. KVOU 1400 Valdese, N.C. WSVM 1490 Valdosta, Ga. WGQV 950 | Watseka, III. WGFA 1380 Watsonville, Calif. KOMY 1340 |
| KTTS 1400 KWTO 560 | Texarkana, Tex. KCMC 740 Texarkana, TX-AR KADO 940 Texas City, Tex. KTLW 920 | WGAF 910 | Watsonville, Callf. KOMY 1840 Wauchula, Fla. WAUC 1310 Waukagan, III. WKRS 1220 |
| Springfield, Ohlo WIZE 1340 WBLY 1600 | The Dalles, OR KODL 1440 | WJEM 1150 WVLD 1450 Valentine, Nebr. KVSH 940 | Wauchula, Fla. WAUC 1310 Waukegan, III. WKRS 1220 Waukesha, Wis. WAUK 1510 Wauken, Is. KNEI 1140 Wauken, Wis. WAUY 1800 |
| Springfield-Eugene, Ore. KEED 1450 KORE 1050 | Thermopolls, Wye. KRTR 1490 KTHE 1240 | Valentine, Nebr. KVSM 940 Vallejo, Calif. KVSM 1190 Valley City, N.Dak, KOVC 1490 Valparalso, Fla. WAKE 1540 Valparalso, Ind. WAKE 1500 WNWI 1080 | Waupun, Wis. WLKE 1170 |
| Springfield, Tenn. WDBL 1890 | Thief River Falls, Minn. KTRF 1230 | Valparalso, Fla. WFSH 1840 Valparalso, Ind. WAKE 1500 | Wausau, WI WRIG 1400 WSAU 550 WXCO 1230 |
| Spring Lake, N.C. | Thibodaux, La. KTIB 630 Thomaston, Ga. WSFT 1220 | Van Buren AR KFDF 1580 | Waverly, lowa KWAY 1470 Waverly, Ohio : WPKO 1380 |
| Spring Valley, N.Y. WKQW 1300 | Thomasyllie AL WJDB 630 \ Thomasyllie, Ga. WPAX 1240 | Van Buren AR KFDF /1880 Van Cleve, Ky. WMTC 780 Vaneeburg, Ky. WKKS 1570 Vaneouver, Wash. KISN 910 KGAR 1550 | Wayahachia Tay. KHFC 1340 |
| Secure Pine N.C. WTOF 1470 | Thomasville, Ga. WPAX 1240 WLDR 730 Thomasville, N.C. WTNC 790 | KVAN 1480 | Wayeross, Ga. WACL 570 WAYX 1230 Wayne, Neb. KTCH 1590 |
| Stanford Kv WRSL 1520 | Thomson, Ga. WTWA 1240 WTHO 1530 | Van Wert, Ohle WERT 1220 | Waynesboro, Ga. WBRO 1310 Waynesboro, Miss. WABO 990 |
| Stanton, KY WBFC 1470 Starke, Fin. WPXE 1490 Starkville, Miss. WKOR 980 | Thousand Oaks CA KGOE 850 Three Rivers, Mish. WKLM 1510 | Vega Baje, P.R. WEGA 1350 Venice, Fla. WAMR 1320 Ventura, Calif. KVEN 1450 | Waynesburg, Pa. WANB 1580 W00Z 1540 Waynesboro, Pa. WEE0 1130 |
| State College, Pa. WMAJ 1450 | Thurmont, Md. WTHU 1450 Ticonderoga, N.Y. WIPS 1250 | Ventura-Oxnard, CA KBBQ 1590 Vermillion, S.Dak. KUSD 690 | Waynesboro, Pa. WEEO 1130 Waynesboro, Tenn. WAAN 1480 Waynesboro, Va. WAYB 1490 |
| Stateshore Ca WWNS 1740 | Timn, Ohio WTTF 1600 Tifton, Ga. WTIF 1340 | Vernal, Utah KVEL 920 | Waynesville, Mo. KIPW 1390 |
| WPTZ 650 WPTZ 650 Statesville, N.C. WSIC 1400 WDBM 550 WTON 1240 WKDW 900 WKDW 900 | Tillamook, Oreg. KTIL 1590 | Vernon AL WVSA 1380 Vernon, Tex. KVWC 1490 | Waynesville, N.C. WHCC 1400 |
| Staunton, Va. WTON 1240 WKDW 900 | Tioga, N.D. Titusville, FL WRMF 1060 Titusville, Pa. WTIV 1230 | | Waynesville, N.C. WHCC 1400 Weatherford, Okla, KWEY 1590 Weatherford TX KZEE 1220 Webster City 1A KQWC 1570 |
| Stephenyllie, Tex. KSTV 1510 Sterling, Colo. KGEK 1230 Sterling, III. WSDR 1240 Steubenville, Ohio WSTV 1340 | | WJFL 1490 WVIM 1490 | Weiser, Idaho KWEI 1260 |
| | | Vicksburg, Miss. WQBC 1420 WJFL 1490 WV MIFL 1490 Victoria, Tex. KNAL 1410 KVIC 1340 Victorville, Calif. KCIN 1550 | |
| Stevens Point, Wis. WSPT 1010 Stillwater, Minn. WAVN 1220 Stillwater, Okla. KSPI 780 | WTOD 1560 WCWA 1230 WANR 1520 | Vienues PR WIVV 1870 | Weilshoro, Pa. WNBT 1490 |
| Stillwater, Okla. KSPI 780 Stirling NJ WKMB 1070 Stockton, Calif. KJOY 1280 KSTN 1420 | Toledo, Orea. KTDO 1230 Tolleson AZ KRDS 1190 | Ville Platte, La. KVPI 1050 Vincennes, Ind. WAOV 1450 | Wells River, VT WYKR (490 I |
| KWG 1230 | Tomah, WIs. WTMB 1460 Tomahawk WI WYY8 810 | 1 W D V 1 1270 | Wellston, Ohio WKOV 1330 Wellsville, N.Y. WLSV 790 Wenatchee, Wash. KPQ 560 Wendell-Zebulon, N.C. |
| Streator, III. WIZZ 1250 | Tomah, Wis. WTMB 1460 Tomahawk WI WYY8 810 Thompkinsyllie, Ky. WTKY 1370 Topele, Utah KDYL 990 Topeka, Kans. WIBW 880 | Vinita, Okla. KVIN 1470 Vinton, Va. WKBA 1550 Virginia, Minn. WHLB 1400 Virginia Beach, Va. | • KMEL 1340 KUEN 900 |
| Stuart, Fla. WSTU 1450 | WREN (250 | | Wasteen Tay KRGV 1700 |
| Sturgeon Bay, Wis. WDDR 910 Sturgis, Mich. WSTR 1230 Sturgis, S.D. KBHB 910 Stuffigart AR KWAK 1240 Suffolk, Va. WLPM 1450 | Toppenish, Wash. KENE 1490 | Virouqua, Wis. WISV 1350 Virouqua, Wis. WISV 1350 Visalla, Callf. KONG 1400 Vista, Cal. KMLO 1000 Vivian, La. KNCB 1600 Wabash, Ind. WAYT 1510 | West Branch MI WEMB 1000 |
| Stuttgart AR . KWAK 1240 | Torrington, Wyo. KG08 1490 Towanda, Pa. WTTC 1550 Towson, MD WTOW 1570 | Vista, Cal. KMLO 1000 Vivian, La. KNCB 1600 Wabash, Ind. WAYT 1510 | Westbrook-Portland ME WJBQ 1440 Wast Chaster Pa WCME 1520 |
| Sullivan, Mo. KTUI 1560 | Travalers Rest S.C. | Wadasha min Rwmb 1190 | West Chester, Pa. WCHE 1520 West Covina, Cal. KGRB 900 W. Frankfort, Ill. WFRX 1300 |
| Sulnhur LA KEZM 131 ^a | Traverse City, Mich. WTCM 1400 WCCW 1310 | Waco-Marlin, TX KKIK 1010 Wadena, Minn. KWAD 920 Wadesboro, N.C. WADE 1210 | WEXT 1550 |
| Sulphur Sprgs., Tex. KSST 1230 Summerville, Ga. WGTA 950 Summerville, S.C. WAZS 980 Summer, Wash. KDFL 1560 | Trenton, Mo. KTTN 1600 Trenton NJ WBUD 1260 | Wadena, Minn. KWAD 920 Wadesboro, N.C. WADE 1210 | West Jefferson, N.C. WKSK 580 W. Liberty, Ky. WLKS 1450 |
| Sumner, Wash. KDFL 1560 Sumter, S.C. WFIG 1290 WDXY 1240 | WTTM 920 | Wagoner, UK KJEM 1530 | W. Liberty, Ky. WLKS 1450 West Memphis AR KSUD 730 W. Monroe, La. KUZN 1310 |
| Sunbury Pa. WKOK 1079 | Trenton, Tenn. WTNE 1500 Trinidad, Colo. KCRT 1240 | Walbahu, Hawaii KAHU 940 Walhala, S.C. WGOG 000 Walker, Minn. KLLR 1600 Wallace, Idaho KWAL 620 Wallace, N.C. WLSE 1400 | / W Dal- Basch Ele |
| Sunnyside, Wash. KREW 1230 Superior, Nebr. KRFS 1600 Superior, Wis. WDSM 710 | Trey, N.Y. WHAZ 1330 WTRY 980 | Wallace, Idaho KWAL 620 Wallace, N.C. WLSE 1400 | W. Faim Bessen, Fis. WEAT 850 WINO 1230 WIRK 1290 WEST Plains, Mo. KWPM 1450 West Point, Ga. WBMK 1310 |
| | Troy, N. C. WJRM 1390 / Truckee, Cal. KTRT 1400 | Walla Walla, Wash. KHIT 1320 KUJ 1420 | West Plains, Mo. KWPM 1450 West Point, Ga. WBMK 1310 West Point, Miss. WROB 1450 |
| Susanville, Callf. KSUE 1249 Sutton, W.Va. WSGB 1490 Swainsboro, Ga. WJAT 800 | Trumann AR KTMN 1530 Truth or Consequences, New Maxico KCHS 1400 | | West Point, Miss. WROB 1450 Westport, Conn. WMMM 1260 West Springfield, MA |
| Sweet Home, Ore. KFIR 1370 Sweetwater, Tenn. WDEH 800 Sweetwater, Tex. KXOX 1240 Sylacauga AL: WFEB 1340 | Tryon, N.C. WTYN 1550 Tueson AZ KTUC 1400 | Walnut Ridge AR KRLW 1320 Walsenburg, Colo. KFLJ 1380 Walterbore, S.C. WALD 1060 | W. Yarmouth, Mass. WOCB 1240 |
| | KXEW 1600 KAIR 1490 | Waltham, MA WHET 1330 Walton, N.Y. WDLA 1270 Wanchese, N.C. WOBR 1530 | KWYS 920 |
| Sylva, N.C. WMSJ 680 Sylvania, Ga, WSYL 1490 Sylvester, Ga. WGA 1540 Syracuse, N.Y. WHEN 620 | Trumann AR Truth or Consequences, | Warrer Robbins Go | Westerly, R.I. WERI 1230 Westfield, Mass. WDEW 1570 |
| Syracuse, N.Y. WHEN 620 WFBL 1390 | KEVT 690 KHOS 940 KHYT 1330 | WQCK 1600 WAVC 1350 | Westminster, Md. WTTR 1470 Weston, W.Va. WHAW 980 West Warwick RI WKRI 1450 |
| WFBL 1390 WNDR 1260 | KHYT 1330 | - Warren AR KWRF 860 | 1 HOST MULLINK DI MANI 1400 |

| | | OIGI AIN OTATION | 15 DI LOCATION |
|---|--|--|---|
| Location Call kHz | Location Call kHz | Location Call kHz | Location Call kHz |
| Wetumka AL WETU 1250 Wewoka-Seminole, Okia. KWSH 1260 Wharton, Tex. KANI 1500 Wheatland, Wyo, KYCN 1340 | Williamson, W.Va. WBTH 1400 Williamsport, Pa. WLYC 1050 WRAK 1400 WWPA 1340 Williamston, N.C. WIAM 900 | Winner, S.Dak. KWYR 1240 Winnsboro, La. KMAR 1570 Winnsboro, S.C. WCKM 1250 Winona, Minn. KWNO 1230 KAGE 1380 | Worthington, Ohio WRFD 880 Wynne AR KWYN 1400 Wyoming MI WYGR 1530 Wytheville, Va. WYVE 1280 Xenia, O. WELX 1110 |
| Wheaton, Md. WDON 1540 Wheeling, W,Va. WHLL 1600 WNEU 1600 WWW 1400 WWVA 1170 | Willimantle, Conn. WILI 1400 Williston, N.D. KEYZ 1360 Willmar, Minn. KWLM 1340 Willougnby, Ohio WELW 1340 Willow Springs, Mo. KUKU 1330 | Winona, Miss. WONA 1570 Winstow AZ KINO 1230 Winston-Salem, N.C. WAAA 980 WAIR 1340 WPGD 1550 | Yabucoa, PR WXEW 840 Yadkinville, N.C. WYDK 1480 Yakima, Wash. KIT 1280 KMWX 1460 |
| Whitehall, Mich. WLRC 1490 White Plains, N.Y. WFAS 1230 White River June., Vt. Whitesburg, Ky. WTCW 920 Whitesburg, Ky. WTCW 920 White Sulphur Springs. | Willows, Calif. KIQS 1580 Wilmington, Del. WAMS 1380 WDEL 1150 WILM 1450 WTUX 1290 WIlmington, N.C. WFD 630 | WSJS 600 WTOB 1380 WKBX 1500 Winter Garden, Fla. WOKB 1600 Winter Haven, Fla. WSJR 1490 WZNG 1360 | KBBO 1390 KQOT 930 KUTI 980 Yankton, S.D. KYNT 1450 WNAX 570 Yaueo, P.R. WKFE 1550 |
| WV WSLW 1310 Whiteville, N.C. WENC 1220 Whitley City, KY WEQ0 1220 Wichita, Kans. KAKE 1240 KBUL 300 KLEO 1480 | WHSL 1490 WKLM 980 WGN1 1340 Wilmington, OH WKFI 1090 Wilson, N.C. WGTM 890 WLLY 1350 | Winter Park, FL WNBE 1440 Wisconsin Dells, WI Winters, TX KRWT 1080 WNNO 990 Wisconsin Rapids, Wis. WFHR 1320 | Yazoo City, Miss. WAZF 1230 WYAZ 1530 York, Nebr. KAWL 1370 York AL WYLS 1350 York, PA WZIX 1350 WNOW 1251 |
| KFDI 1070 KFH 1330 KWBB 1410 Wichita Falls, Tex. KNIN 990 KTRN 1290 KWFT 820 | WV0T 1420 Winchester, Ky. WWKJ 1380 Winchester, Tenn. WCDT 1340 Winchester, Va. WINC 1400 WHPL 610 Windber, Pa. WWBR 1350 | Wolfeboro, N.H. WASR 1420 Wolf Pt., Mont. KVCK 1480 Woodburn, Ore. KWRC 340 Woodbury TN WBRY 1840 Wood River, III. WRTH 590 | York, 8.C. WYCL 980 Youngstown, Ohio WBBW 1240 WFMJ 1390 WGFT 1500 |
| Wickenburg AZ KSWW 1250 Wickford, R.I. WKFD 1370 Wiggins, Miss. Wigg 1230 Wildwood, N.J. WCMC 1230 Wilkes-Barre, Pa. WBAX 1240 | Winder, Ga. WIMO 1300 Windermere, Fla. WVCF 1480 Windom, Minn. KDOM 1580 Window Rock AZ KHAC 1300 Windsor, Colo. KUAD 1170 | Woodruff, S.C. WSJW 1510 Woodwille, Tex. KVLL 1220 Woodward, Okla. KSIW 1450 Woonsocket, R.I. WNRI 1380 WWON 1240 Wooster, Ohio WWST 960 | Ypsilanti, Mich. WKBN 570 WSDS 1480 WYFC 1520 Yreka. Callf. K8YC 1490 Yuba City, Callf. KUBA 1600 K0B0 1450 |
| WBRE 1340 WILK 980 Wilkesboro, N.C. WWWC 1240 Williamsburg, Ky. WEZJ 1440 Williamsburg, Va. WBCI 740 | Windsor, Conn. WKND 1480 Windsor, N.C. WBTE 990 Winnemucca, Nev. KWNA 1400 Winfield AL WEZQ 1300 Winfield, Kan. KNIC 1550 Winnfield, La. KVCL 1270 | Worcester, Mass. WAAB 1440 WNEB 1230 WORC 1310 WTAG / 580 Worland, Wyo. KWOR 1340 Worthington. Minn. KWOA 730 | Yuma AZ KĀWĆ 1320 KYOY 1400 KBLU 560 Zanesville, Ohio WHIZ 1240 Zephyrhilis, Fia, WPAS 1400 Zion, III. WZBN 1500 |
| 1 | | , | |

| KAAA Kingman AZ KAAA Kanta Serr. wA 1500 KAAS Minesh, Ju. 1230 KAAS Kingman AZ KAA Kingman AZ KAAS Minesh, Ju. 1230 KABI Minesh, Ju | | U.S. | AWISTATIO | 2N2 | BY CALL LI | E 1 1 E | <u> -</u> RS | |
|--|--|------|--|---|---|---|--|---|
| A T Casper W. M. 1900 | Call Location | kHz | Call Location | kHz. | Call Location | kHz | Call Location | kHz |
| ARR Great Falls, Mont. 1400 KBKW Aberdeen, Wash. 1400 KCBQ San Dlego, Callf. 170 KCYL Lodi, Calif. 1470 ARS Belen, N. 860 KBLC Lakeport, Cal. 1270 KCBS San Fran., Calif. 740 KDAC Ft. Brage, Calif. 1230 ARY Browne, Idaho 1400 KBLE Seattle, Wash. 1050 KCCB Corning AR 1260 KDAC Ft. Brage, Calif. 1230 ARY Russellville AR 490 KBLF Hed Bluff, Calif. 1490 KCCC Carisbad, N.M. 930 KDAL Ouluth, Minn. 610 ARY Prosser. Wash. 1310 KBLI Blackfoot, 1490 660 KCCL Paris AR 1490 KDAN Marganells. | KAAP Santa Paula, CA KAAP Mountlake Terr., KAAT Denver CO KAAY Little Rock AR KABC Los Angeles, Calif. KABI Abilene, Kans. KABL Oakland, Calif. KABL Oakland, Calif. KABB Abilene, Kans. KABL Oakland, Calif. KABQ Abluquerque, N.M. KABR Aberdeen, S.Dak. KACD Beliville, TX KACT Andrews, Tex, KACT Port Hueneme, Cal KACT Andrews, Tex, KACT Port Hueneme, Cal KACT Andrews, Tex, KACT Port Hueneme, Cal KADL Boulder CO KADL Clayton, MO KADL Pine Bluff AR KADE Boulder CO KADL Clayton, MO KADL Pine Bluff AR KADD Texarkana, TX-AF KADS Elk City, Okla. KAFE Sante Fe, N.M. KAFF Flagstaff AZ KAFF Flagstaff AZ KAFF Bakersfield, Calif. KAGE Winona, Minn. KAFF Flagstaff AZ KAFF Rousent AR KAGE Winona, Minn. KAFF Flagstaff AZ KAFF Rousent AR KAGE Winona, Minn. KAGF Port Sulphur, La KAHU Mulpahu, Hawaii KAIM Honolulu, Hawaii KAIM Halandaria, La, KAHE Riebilandia, La, KAHE Riebilandia, La, KALE Riebilandia, Mah, KALE Salt Lake City, Uta KALL Salt Lake City, Uta KAND Anaconda, Mont. KAND Anaconda, Wash. KAND Anaconda, Wash. KAND Anaconda, Mont. KAND A | 1400 | KASM Albany, Minn. KASO Minden, La. KAST Astoria, Ore, KATA Areata CA KATE Albert Lea, Minn. KATE Albert Lea, Minn. KATE Albert Lea, Minn. KATE Sigene, Ore, KATY San Luis Obispo, C KATZ St. Louis, MO KAUS Austin, Minn. KAVA Burney, Cal. KAVE Carlsbad, N. Mex. KAVI Rocky Ford, Colo. KAVE Carlsbad, N. Mex. KAVI Rocky Ford, Colo. KAVE Laneaster, Calif. KAVE YUma AZ KAWL York, Neb. KAVE YUma AZ KAWL York, Neb. KAVE Deaumont, Tex. KAVE Deaumont, Tex. KAYE Beaumont, Tex. KAYE Beaumont, Tex. KAYE Beaumont, Tex. KAYE Rewood, Wash. KAYK Provo, UT KAYL Storm Lake, Jowa KAYO Seattie, Wash. KAYA Kansas City, Mo. KAYS Hays, Kans. KAYT Rupert, Idaho KAYA Sedona, AZ KBAB Indianola, Jowa KBAD Carlsbad, N. M. KBAI Morro Bay, Calif. KBAL San Saba, Tex. KBAD Carlsbad, N. M. KBAI Morro Bay, Calif. KBAL San Saba, Tex. KBAD Carlsbad, N. M. KBBA Benton AR KBBB Borger, Tex. KBBO Yekma, Wash. KBAD Carlsbad, N. M. KBBC Mashall, Tex. KBBO Corlsbad, N. M. KBBC Mashall, Tex. KBBO Carlsbad, N. M. KBCQ Roswell, NM KBDF Eugene, OR KBEA Mission, Kans. KBEC Mashabelle, Tex. KBEM Bulle Farth, Minn KBFW Bellie Fourche, S. Dal KBFW Bellingham, Wash. KBCD Chrone, S. Da | 1150 1240 1270 1270 1450 | Breekenradge, Minn. KBMY Billings, Mont. KBND Bend, Oreg. KBOA Kennett, Mo. KBOE Oskaloosa, Iowa KBOE Oskaloosa, Iowa KBOI Boise, ID KBOK Malvern AR KBOL Boulder, Colo. KBON San Bernardino, Cal KBOP Pleasanton, Tex. KBOW Butte, Mont. KBOW Butte, Mont. KBOY Dallas, TX KBOY Medford, Oreg. KBUD Athens, Tex. KBUD Athens, Tex. KBUD Athens, Tex. KBUD Mexia, Tex. KBUD Brownwood, TX KBUR Burlington, Iowa KBUR Borden, Tex. KBUD Arhens, Tex. KBUD Arhens, Tex. KBUD Arhens, Tex. KBUD Arhens, Tex. KBUD Brownwood, TX KBUR Burlington, Iowa KBUR | 1200 1200 1230 1290 1350 1450 1110 830 740 670 1310 1490 1490 1490 1490 1490 1490 1490 14 | RCEY Turlock, Call RCFB Mendocino, CA RCFI Codar Falls, towa RCGS Marshall, AR RCHA Charles City, Iowa RCHA Charles City, Iowa RCHA Charles City, Iowa RCHA Charles City, Iowa RCHA Cherokee, Iowa RCHA Coachella, Callf. RCHA Charles Iowa RCHA Coachella, Callf. RCHA Caroll, Iowa RCHA Pine Bluff AR RCHA Coolidge AZ RCLA Pine Bluff AR RCLD RCHA Clarkston, Wash RCLA Pine Bluff AR RCLD Cloud, NM RCLE Cleburne, Tex. RCHA Collado, Iowa RCLA Pine Bluff AR RCLD Cloud, NM RCLE Cleburne, Tex. RCHA Collado, Iowa RCLD Leavenworth, Kans, RCHA Clorkston, Wash, RCHA Pine Bluff AR RCHA Clorkston, Wash, RCHA Clorkston, Wash, RCHA Clorkston, Wash, RCHA Finestam AZ RCHT Lokhart, TX RCLU Rolla, Mo. RCHA Finestam AZ RCHT Lokhart, TX RCLU Rolla, Mo. RCHA Finestam AZ RCHT Lokhart, TX RCLU Rolla, Mo. RCHA Finestam AZ RCHT Finestam AZ RCHT Finestam AZ RCHT Finestam AZ RCHA Colovis, N. Mex. RCHA Palm Sprgs., Callf. RCMA Ashland OR RCMA Ashland OR RCMA Palms Porgs., Callf. RCMA Carunersville, Iowa RCOH Houston, Tex. RCOH Commaneh, Tex. RCHA Commaneh, Tex. RCHA | 1150 790 11300 11300 11300 11400 11410 11350 11410 11350 11410 11350 11101 11350 11101 11350 11101 11350 11101 11350 11101 11350 11350 11490 11350 11490 11350 11490 1490 |
| ASA Phoenix AZ 1540 KBLL Helena, Mont. 1240 KCCN Honolulu, Hawaii 1420 St. Paul MN 1370 ASH Eugene, Ore. 1600 KBLR Bolivar, Mo. 1130 KCCO Lawton, Okla. 1050 KDAV Lubbock, Tex. 580 ASI Ames, towa 1430 KBLU yuma, Ariz. 560 KCCR Pierre, S. D. 1240 KDAY Santa Monica. Calif. 1580 | KASH Eugene, Ore. KASI Ames, Jowa | 1430 | KBLU Yuma, Ariz. | 560 | KCCR Pierre, S. D. | 1240 | KDAY Lundock, Tex. KDAY Santa Monica, Calif. 1. | 580 580 |

| Call Location kHz | Call Location kHz | Call Location kHz | Call Location kHz |
|--|--|--|--|
| KDAZ Albuquerque, N.M. 730 KDB Santa Barbara, Cailf. 1490 KDBM Dillon, Mont. 1490 KDBS Alexandria, La. 1410 KDCE Espanola, N.M. 970 | KEYR Terrytown, Nebr. 690 KEYS Corpus Christi, Tex. 1440 KEYY Provo, Utah 1450 KEYY Williston, N.Dak. 1360 KEZE Spokane, Wash. 1380 | KGMY Missoula, Mont. 1450 KGNB New Braunfels, Tex. 1420 KGNC Amarillo, Tex. 710 KGNO Dodga City, Kans. 1370 | KIT Yakima, Wash. 1280 KITE Terrell Hills, Tex. 930 KITI Chahalis-Centralia, Wash. 1420 |
| KDDA Dumas AR 1560 KDDD Dumas, Tex, 800 KDDR Oakes ND 1220 | KEZM Sulphur, LA 1310 KEZY Anaheim, Callf. 1190 KFAB Omaha. NB 1110 | KGO San Francisco, Calif. 810 KGOE Thousand Oaks, Calif. 850 KGOL Palm Desert. CA 1270 KGOS Torrington, Wyo. 1490 KGPD Clovis, CA 790 | KITN Olympia, Wash. 920 KIUL Garden City, Kans. 1240 KIUN Pecos, TX 1400 KIUP Durango, CO 930 |
| KDEF Albuquerque, N.Mex. 1150 KDEN Denver, Colo. 1340 KDEO El Cajon, Calif. 910 KDES Palm Sprgs., Calif. 920 | KFAC Los Angeles, Calif. 1330 KFAH Lakewood Center, Wash. 1480 KFAL Fulton, Mo. 900 KFAR Fairbanks AK 660 | KGRB West Coving, Cal. 900 | KIVY Crockett, Tex. 1290 KIWA Sheldon, Jowa 1550 KIXI Scattle, Wash. 910 KIXI Austin, TX 970 KIXS Killeen TX 1050 |
| KDES Palm Sprgs., Calif. 920 KDET Center, Fex. 930 KDEW DeWitt AR 1470 KDEX Dexter, Mo. 1590 KDFL Sumner, Wash. 1560 | KFAX San Francisco, Caif, 1100 KFAY Favetteville AR 1250 | KGRL Bend, Oreg. \$ 940 KGRN Grinnell, Iewa 1410 KGRO Pampa, Tex. 1230 KGRT Las Cruses, N.Mex. 570 KGRT Fresno. Calif. 1600 | MIXX Provo, UI |
| KDFN Doniphan, Mo. 1300 KDGO Durango, Colo. 1240 KDHI Twenty-nine Paims, California 1250 | KFBK Sacramento, Calif. 1530 KFBR Nogales AZ 1340 KFCB Redfield. S. Dak. 1380 | KGTN Georgetown, Tex. 1530 KGU Honoiulu, Hawall 760 | KIXZ Amarillo, Tex, 940 KIAM Madison, S.Dak, 1380 KIAM Madison, S.Dak, 1380 KIAN Atlantie, 10va 1220 KIAS Jackson MO 1170 KIAX Santa Rosa, Calif. 1150 KIAY Saeramento, Calif. 1430 |
| KDHL Faribault, MN 920 KDHN Dimmitt, Tex. 1470 KDIA Oakland, Calif. 1310 KDIO Ortonville, Minn. 1350 | KFDI Wichita, Kansas 1070 KFDR Grand Coulce, Wash. 1360 KFEL Pueblo Colo. 970 | KGVL Greenville, Tex. 1400 KGVO Missoula, Ment. 1290 KGVW Beigrade, Ment. 630 KGW Pertiand. Orea. 620 | KJBC Midland, Tex, KJCF Festus, Mo. 1400 KJCH Cleveland, TX 1410 |
| KDIX Dickinson, N.Dak, 1230 KDJI Holbrook AZ 1270 KDJW Amarillo, Tex. 1010 KDKA Pittsburgh, Pa. 1020 | KFEQ St. Joseph, Mo. 680 KFFA Helena AR 1360 KFGO Fargo, N.D. 790 KFGQ Boone, Jowa 1260 | KGUC GURNIson, Colo, 1490 KGUL Brenville, Tex. 1400 KGVL Greenville, Tex. 1400 KGV Missoula, Ment. 1290 KGVW Beigrade, Ment. 630 KGW Portland, Oreg. 620 KGW A Enid, Okla. 960 KGY Olympia, Wash. 1240 KGYN Guymon, Dkia. 1210 KHAC Window Rock AZ 1300 KHAC Window Rock AZ 1300 | KIFI Lebanon MO 1080 |
| KD KB Mesa, AZ 1510 KD KD Clinton, Mo. 1280 KD KO Littleton, Cole. 1510 KD LA DeRidder, La. 1010 | KFH Wichita, Kans. 1330 KFI Los Angeles, Calif. 640 KFIL Preston, Minn. 1060 KFIR Sweet Home, Ore. 1370 | KHAD DeSete, Me. 190 KHAK Cedar Rapids, Iowa 1366 KHAL Homer, La. 1320 KHAP Aztes, N.M. 1340 KHAR Anchorage AK 380 | KJEM Wagoner, OK 1530 KJET Beaumont, Tex. 1380 KJIM Ft. Worth, Tex. 870 KJIN Houma, La. 1490 |
| KDLG Dillingham, AK 670 KDLK Dei Rio, Tex. 1230 KDLM Detroit Lakes, Minn. 1340 KDLR Devil's Lake, N.Dak. 1240 KDLS Perry, 10wa 1310 | KFIV Modesto, Calif. 1380 KFIZ Fond du Lac, Wis. 1450 KFJB Marshalitown, Iowa 1230 KFJM Grand Forks, N.Dak, 1370 | KHAS Hastings, Nebr. 1230 KHBM Monticello AR 1430 KHBR Hillehere. Tax 1560 | KILT North Platte, Nebr. 970 KINO Juneau AK 630 KINP North Pole AK 1170 |
| KDLS Perry, Towa 1310 KDLT Delta, UT 540 KDMA Montevideo, Minn. 1460 KDMO Carthage. Mo. 1490 KDMS El Dorado AR 1290 | KFJZ Ft. Worth, Tex 1270 KFKA Greeley, Colo. 1310 KFKA Greeley, Colo. 1310 KFKU Lawrence, Kans. 1250 KFLA Scott City, Kans. 1310 KFLD Floydada. Tex. 900 | KHCS Phoenix AR 1010 KHON Hardin, Mont, 1230 KHEM Big Springs, Tex. 1270 KHEN Henryotta, Okia, 930 | KJOE Shreveport, La. 1480 KJOY Stockton, Calif. 1280 KJPW Waynesville, Mo. 1390 KJR Seattle, Wash. 950 |
| KONT Denton, Tex. 1440 KOOK Tyler, Tex. 1490 KOOL Molave, Calif. 1340 | KFLI Mountain Home, Ida. 1240 KFLJ Walsenburg, Cole. 1380 KFLN Baker, Mont. 960 | KHEP Phoenix AZ KHEY El Paso, Tex. 1590 KHIT Walla Walla, Wash. 1230 KHILlos Angeles CA 930 | KJR Seattle, Wash. 950 KJRB Spokane, Wash. 790 KJRG Newton, Kans. 950 KJSK Columbus, Nebr. 900 KJST Joshua Tree, Cal. 1420 KJWH Camden AR 1450 |
| KDON Salinas, Calif. 1460 KDOT Scottsdale AZ 1440 KDOV Ashland OR 1850 KDON DeQueen AR 1390 | KFLO Shreveport, LA 1300 KFLP Floydada TX 900 KFLS Kiamath Falls OR 1450 KFLY Corvallis, Oreg. 1240 KFMB San Diego, Cai. 760 | KHLB Burnett TX 1340 KHLD Hile, Hawali 1320 KHMO Hannibal Me. 1070 | KKAA Aberdeen, SD 1300 KKAM Pueblo, Colo. 1350 KKAM Phillippura Kans. 1490 |
| KDRG Deer Lodge, Mont. 1400 KDRO Sedalis, Mo. 1490 KDRS Paragould AR 1490 KDRY Alamo Hts., Tex. 1110 | KFML Denver, Colo. 1390 KFMC Flat River, Mo. 1240 KFMC Flat River, Mo. 1240 | KHOB Hebbs, N.Mex. 1390 KHOG Fayetteville AR 1440 KHOS Tucson AZ 940 | KKAP Aptos-Capitela, CA 1540 KKAR Pomona, Calif. 1220 KKAS Slisbee, Tex. 1300 KKAT Roswell, N.M. 1430 KKDA Grand Prairie, Tex. 730 |
| KOSI Deadwood, S. Dak. 980, KDSN Denison, Ia. 1530 KDSX Denison-Sherman, Tex. 950 | KFNV Ferriday, La. 1000 KFNW Fargo, ND 1170 KFOR Lincoln, Nebr. 1240 KFOX Long Beach, Calif, 1280 | KHOT Madera, Callf, 1250 KHOW Denver, Colo. 630 KHOZ Harrison AR 900 KHQ Spokane, WA 590 KHQT Minot, N. D. 1320 KHSJ Hemet, Callf. 1320 KHSJ Hemet, Callf. 1320 KHSJ Rolles, Gallf. 1290 | KKEY Portland, Ore. 150 KKHI San Francisco, Cailf. 1550 KKIK Waco-Marlin, TX 1010 |
| KDTA Delta, Colo. 1400 KDTH Dubuque, Iowa 1370 KDIIM Beedsport, Ore. 1470 | KFRD Anchorage AK 750 KFRA Franklin, LA 1390 KFRB Fairbanks AK 900 | KHUM Eureka CA 790 | KKIM Albuquerque NM 1000 KKIN Altkin, Minn. 930 KKIO Santa Barbara, CA KKIS Pittsburg, Calif. 990 KKIT Taos, N.Mex. 1340 KKIO St. Joseph. Me. 1550 |
| KDUZ Hutchinson, Minn. 1280 KDWA Hastaugs, Minn. 1480 KDWB Minneapolis- St. Paul MN KDWN Las Vegas, NV 720 | KFRC San Francisco, Calif. 610 KFRD Rosenberg-Richmond. Tex. 980 KFRE Fresno, Calif. 940 KFRM Salina, Kan. 550 | KHYM Gilmer IX 1000 KHYT Tucson AZ 1330 KIAK Februaris AK 970 | KKIO St. Joseph, Mo. 1550 KKLS Rapid City, SD 920 KKOK Lompoe, Calif. 1410 KKON Kenlakekua, Hawaii 790 |
| KDWT Stamford, Tox. 1400 KDXE N. Little Rock, AR 1380 KDXI Mansheld, La. 1360 KDXU St. George, Utah 1430 KDYL Tooele, Utah 990 | KFRO Longview, Tex. 1370 KFRU Columbia, Mo. 1400 KFSA Fort Smith AR 950 | KIBE Palo Aito, Calif. 1220 KIBL Beeville, Tex. 1490 KIBS Bishop, Calif. 1230 KIGA Clovis, N.M. 980 KIGD Spencer, lowa 1240 | KKOY Chanute, Kan. 1460 KKSI Mt. Pleasant, IA 1130 KKUA Honolulu, Hawaii 690 KKUB Brownfield, Tex. 1300 |
| KDZA Pueblo, Colo. 1230 KEAN Brownwood, Tex. 1240 KEAP Fresno. Callf. 980 | KFSB Joplin, Mo. 1310 KFSC Denver, Colo. 1220 KFST Ft. Stockton, Tex. 860 KFTM Ft. Morgan, Colo. 1400 KFTM Provo. UT 1400 | KICK Springfield, Me. 1340 KICO Calestee, Callf. 1490 KICS Haatings, Neb. 1550 KICX MeCook, Neb. 1350 KICY Nome AK 850 | KKUZ Burlington, 10Wa 1150 KKXL Grand Forks ND 1440 KKYN Plainview, TX 1090 KKYR Marshall, TX 1410 |
| KECK Lincoln, Neb. 1530 | KFTW Frederickstown, Me. 1430 KFUN Las Vegas, N.Mex. 1230 KFUO Clayton Me. 850 | KID Idano Falls, Igano 590 KIDD Monterey, Calif. 630 KIDO Boise, Idaho 630 | KKYX San Antonio 680 KKZZ Lancaster CA 1380 KLAC Los Angeles, Calif. 570 KLAD Klamath Falls OR 960 |
| KEDD Dodge City, Kans. 1550 KEDO Longview, Wash. 1400 KEED Eugene, Ore. 1450 KEEL Nacogdoches, Tex. 1250 KEEL Shreveport, La. 710 | KFWB Los Angeles, Calif. 980 KFWJ Lake Havasu City AZ 980 | KIEV Glendale, Calif. 870 KIFG lowa Falls, la. 1510 KIFN Phoenix AZ 860 | KLAK Lakewood, Colo. 1600 KLAM Cordova AK 1450 KLAN Lemoore, Calif. 1320 KLAR Laredo, Tex. 1300 |
| KEEN San Jose, Callt. 1370 KEEP Twin Falls, Idaho 1450 KEES Gladewater. Tex. 1430 | KFYN Bonham, Tex. 1420 KFYO Lubbock, Tex. 790 KFYR Bismarck, N.Dak. 550 KJEL Arroyo Grande CA 1280 | KIGI Pasadena, CA (110 KIGO St, Anthony, Ida, 1400 KIHN Huge, Okta. (340 KIIQ Manitou Springs, CO 1490 | KLAV Las Vegas, Nev. 1230 KLBJ Austin TX 590 KLBK Lubbock, Tex. 1340 KLBM La Grande, Ores. 1450 KLBS Los Banos, Calif. 1330 |
| St. Paul MN 1400 KEGG Daingerfield, Tex. 1560 KEGL Santa Clara, Cal. 1430 KEHG Fosston, Minn. 1480 KEHG Fosston, Minn. 1480 | KGA Spokane, Wash. 1510 KGAF Galnesville, Tex. 1580 KGAK Gallup, N. Mex. 1330 KGAL Lebanon, Orep. 920 | KIGI Pasadena, CA KIGO St. Anthony, Ida. 1400 KIHN Huge, Okta. 1340 KIIQ Manitou Springs, CO 1490 KIIS LOS Angeles, Calif. 1150 KIIX Ft. Collins, Colo. 600 KIJV Huron, S.D. 1340 KIKC Forsyth, MT 1250 KIKI Honolulu, Hawaii 830 KIKK Pasadena, Tex. 650 KIKM Sherman TX | KLCB Libby, Mont, 1230 KLCL Lake Charles, LA 1470 KLCN Biytheyille AR 910 |
| KELA Centralia-Checkalis, Wash, 1470 KELD El Dorado AR 1400 | KGAR Vancouver, Wash. 1550 KGAS Carthage, Tex. 1590 KGAY Salem, Oreg. 1430 KGB San Diego, Calif. 1360 | KIKI Honolulu, Hawali 850 KIKK Pasadena, Tex. 650 KIKM Sherman. TX 910 KIKN Sinten, Tex. 1590 | KLEA Lovington, N.Mex. 630 KLEB Golden Meadow, La. 1600 KLEE Ottumwa, lowa 1480 KLEE Mallus Hawall 130 |
| KELI Tulsa, Okia. 1430 KELK Elko, Nev. 1240 KELO Siowx Falis, S.Dak. 1320 KELP El Paso, Tex. 920 | KGBC Galveston, Tex. 1540 KGBS Los Angeles, Callf. 1020 KGBT Harilngen, Tex. 1530 KGBX Springfield. Mo. 1260 KGCA Rugby, N.D. 1450 | KIKO Miami AZ 1340 KIKR Conroe, TX 800 KIKS Iola, KS 1370 KIKX Tueson AZ 580 KIKZ Seminole, Tex. 1250 | KLEM LeMars, Iowa 1410 KLEO Wichita, Kans. 1480 KLER Orofino, Idaho 950 |
| KELP EI Paso, Téx. 920 KELR EI Reno, Okla. 1460 KELY Ely, Nev. 1230 KEMM Marshfield. Mo. 1510 KENA Mena AR 1450 KENA Lubboek TX 1590 | KGCL East Prairie, Me. 1080 KGCX Sidney, Mont. 1480 KGDN Edmonds, Wash. 630 KGEE Bakersfield, Calif. 1230 | KILE Galveston, TX 1580 KILO Kirkland, WA 1460 KILE Estherville, Iowa 1070 | KLEU Waterloo IA 850 KLEX Lexington, Mo. 1570 KLEY Wellington, Kan. 1130 KLFB Lubboek, Tex. 1420 |
| KENE Toppenish, Wash, 1490 KENI Anghorage AK 550 KENM Pertales, N.Mex. 1450 KENN Farmington, N.M. 1390 | KGEK Sterling, Colo. 1230 KGEM Bolse, Idaho 1140 KGEN Tulare, Calif. 1370 KGER Long Beach, Calif. 1390 | KILT Houston, Tex. 610 KIMB Kimball, Nebr. 1260 KIML Gillette, Wye. 1270 KIMM Rapid City, S.D. 1150 KIMM Denver, Coto. 950 | KLFD Litenfield, Minn. 1410 KLFJ Springfield MO 1550 KLGA Aigona, Jowa KLGR Redwood Falls, Minn. 1490 |
| KENN Farmington, N.M. 1390 KENO Las Vegas, Nev. 1460 KENR Houston, Tex. 1070 KENT Prescott, Ariz. 1340 KEOR Atoka, Okla, 1110 | KGEZ Kallspell, Mont. 600 KGFF Shawnee, Okla. 1450 KGFJ Los Angeles, Callf. 1230 KGFL Roswell, N.M. 1430 | KIMP Mt. Pleasant, Tex. 960 KINA Sailna, Kan. 910 KINC Independence, CA 600 KIND Independence, Kan. 1010 | KLIC Monroe, La. 1230 KLID Popular Bluff, Mo. 1340 KLIF Dallas, Tex. 1190 KLIF Dallas, Tex. 190 |
| RELO Sioux Fails, S.Dak. 1320 KELP El Paso, Tex. 920 KELP El Paso, Okia. 1400 KELR El Reno, Okia. 1400 KELR El Reno, Okia. 1400 KEMM Marshñold. Mo. 1510 KEND Lubbook TX. 1500 KEND Lubbook TX. 1500 KENL TANAN 1500 KENL TANA | KFXM San Bernardino, Calif. 590 KFYN Bonham, Tex. 790 KFYN Bonham, Tex. 790 KFYN Bonham, Tex. 790 KFYN Biamarck, N.Dak. 550 KFYR Biamarck, N.Dak. 550 KGYR Biamarck, N.Dak. 550 KGAR Galmesville, Tex. 1580 KGAR Galmesville, Tex. 1580 KGAR Galmesville, Tex. 1580 KGAR Callup, N.Mex. 920 KGAR Vancouver, Wash. 1590 KGAR Carthage, Tex. 1590 KGAR Carthage, Tex. 1590 KGAR San Diego, Calif. 1580 KGBC Galveston, Tex. 1590 KGBC Galveston, Tex. 1590 KGBC Bakerson, Tex. 1590 KGBC Rallesson, Tex. 1590 KGCA Rugby, N.D. 1690 KGCA Rallesson, Tex. 1590 KGCA Rallesson | KIMP Mt. Pleasant. Tex. 960 KINA Salina, Kan. 910 KINC Independence. CA 800 KIND Independence. Kan. 1010 KINE Kinesville. Tex. 1330 KINE Seattile, Wash. 1090 KINN Alamogordo. NM 1276 KINO Winslow AZ 1230 KINS Eureka, Calif. 980 KINT El Paso, Tex. 1590 KINT Des Moines, Iowa 940 KIOA Des Moines, Iowa 1080 | KLEM LeMars, Iowa 1410 KLEO Wiehita, Kana. 1480 KLEO Orofino, Idaho 950 KLEU Waterloo IA 850 KLEU Waterloo IA 850 KLEY Weilington, Kan. 1330 KLEY Weilington, Kan. 1420 KLFD Litchfield, Minn. 1410 KLFJ Springfield MO 1550 KLGA Aigona, Iowa KLGA Redwood Fails, Minn. 1490 KLIB Liberal, Kans. 1470 KLIB Liberal, Kans. 1470 KLIC Monroe, Le. 1230 KLID Popular Bluff, Mo. 1340 KLIF Denver, Calif. 1220 KLIK Jefferson City, Mo. 950 KLIK Jefferson City, Mo. 950 KLIN Denver, Calif. 1220 KLIP Fowler, Calif. 1220 KLIR Denver, Colo. 980 KLIR Denver, Colo. 890 KLIR San Jose, Califon. 1890 |
| KERG Eugene, Oreg. 1280 KERN Bakersfield, Calif. 1410 KERR Polson, MT 1070 | KGHM Brookneis, Mo. 17560 KGHO Hoquiam, Wash. 1560 KGHS International Falls, Minn. KGIL San Fernando, Calif. 1260 | KINS Eureka, Calif. 980 KINT El Paso, Tex. 1590 KINY Juneau, AK 800 KIOA Des Moines, Iowa 940 | KLIR Denver, Colo. 996 KLIV San Jose, Cal. 1590 KLIX Twin Falls, Idaho 1310 KLIZ Brainerd. Minn. 1386 KLKC Parsons, KS 1540 KLLA Lessville, La, 1570 KLLA Lubbock, Tex. 1480 |
| KESM Eldorado Spring, Mo. 1580 | KGIL San Fernando, Calif. 1260 KGIW Alamosa, Colo. 1450 KGKL San Angelo, Tex. 960 KGKO Benton AR 850 KGLA Gretna, La. 1540 | KIOT Barstow, Calif. 1310 . KIOX Bay City, Tex. 1270 KIPA Hilo HI 620 | KLLR Walker, Mins. 1900 KLMO Longmont, Colo. 1960 |
| KEVA Evanston, Wyo. 1240 KEVT Tueson AZ 680 KEWI Topeka, Kans. 1440 KEWQ Paradise, Cal. 930 | KGIW Alamosa, Colo. 1450 KGKL San Angele, Tex. 960 KGKO Benton AR 850 KGLC Bland, La. 1540 KGLC Mlaml, Okla. 910 KGLE Glendlve, Mont. 550 KGLM Avalon, Callf. 9740 KGLM Glendlve, Mont. 1300 KGLM Avalon, Callf. 980 KGLU Safford, Ariz. 1300 KGLU Safford, Ariz. 1500 KGMB Honolulu, Hawall 580 KGMM Bellingham, Wash. 790 KGMM Cape Girardeau, Me. 1220 KGMM Sacramento, Callf. 1300 | KIQI San Francisco. CA 1010 KIQS Willows, Calif. 1560 KIRL St. Charles, Mo. 1460 KIRO Seattle, Wash. 710 KIRT Mission, Tex. 1580 | KLMK Lamar, Goto, KLMS Lincoln, Nebr. 1480 KLMX Clayton, N.Mex. 1450 KLNG Omaha, Neb. 1490 KLO Oeden. Utah 1430 |
| KEWS Cuero, TX 1600 KEX Portland, Oreg. 1490 KEXO Grand June., Colo. 1230 KEX8 Excelsior Springs, Mo. 1090 | KGLO Mason City, Iowa 1300 KGLU Safford, Ariz, 1480 KGMB Honolulu, Hawati 590 KGMI Bellingham, Wash, 790 | KIRI Wilsson, Jex. 1500 KIRY Fresno, Calif. 1510 KIRX Kirksville, Mo. 1450 KISA Honolulu, HI 1540 KISD Sloux Falls, S.D. 1230 | KLO Ogden, Utah KLOA Ridgeerest, Calif. 1240 KLOC Ceres, Calif. 920 KLOE Goodland, Kans. 730 KLOB Kalso, Wash. 1490 |
| KEST San Francisco, Calif. 450 KETX Livingston. Tex. 440 KEUN Eunice, La. 490 KEVA Evanston. Wyo. 240 KEVT Tueson AZ 690 KEWT Topeka, Kans. 440 KEWQ Paradise, Cal. 930 KEWS Cuero, TX 1600 KEX Portland, Oreg. 190 KEX Orand June., Colo. 1230 KEXS Excelsior Springs, Mo. 1090 KEYB Houston, Tex. 1400 KEYH Houston, TX 850 KEYL Long Prairie, Minn. 1400 | KGMR Jacksonville AR 1500 KGMS Sacramento, Callf1380 KGMT Fairbury, Nebr. 1310 | KISD Sloux Falls, S.D. 1230 KISN Vancouver, Wash. 910 KISO El Paso, TX 1150 KIST Santa Barbara, Calif. 1340 | KLOH Pipestone, Minn. 1050 KLOK San Jose, CA 1170 KLOM Lompoe, Calif. 1330 |

| | Call | Location | kHz | Call | Location | kHz | Call | Location | kHz | Call | Location | kHz |
|---|--------------------------|--|----------------------------|----------------------------|--|------------------------------|----------------------|---|-------------------------------------|----------------------|---|----------------------------|
| | KLOV | Corvallis, Ore. Lake Charles, La. Loveland, Colo. | 1340 1580 1570 | l KNOW | Present AZ Austin TX Grand Forks, N.Da | 1450 1490 k. 1310 | KPLT | Casa Grande AZ Paris, Tex. Crescent City, Calif. | 12 6 0 1490 1240 | KRRR | Ruidoso, NM Othello, Wash. St. Louis Park, Minn. | 1360 1400 950 |
| | KLPL | Lake Providence, La. Minot, N.Dak. Okla. City, Okla. | 1050 1390 1140 | I KNUI | Grand Forks, N.Da Newport, Ore. Makawai, Hawaii | 1310 | KPMC | Bakersfield, Calif. Eugene, Ore. | 1560 1120 | KRSI | Russell. Kans. Los Alamos, N.Mex. Salt Lake City, Utah | 990 |
| | KLPW | Union, Mo. Little Rock AR | 1220 | KNUZ | New Ulm, Minn. Houston, Tex. Sloux Falls, S.D. | 860 1230 1270 | KPOC | Phoenix AZ Pocahontas AR Crescent City, Callf. | 1480 1420 1310 | KRSP KRSY KRTN | Roswell, N.Mex. Raton, N.Mex. Thermopolis, Wyo. | 1490 |
| | KLRK KLRS | Centerville, UT Mountain Grove, Mo. Portland, OR | 1600 1360 1410 | KNWS | waterjoe, lowa | 1090 1070 8 50 | KP0F KP0I | Denver, Colo. Honolulu, Hawaii | 910 1380 1330 | KRUN | Ballinger, Tex. | 1490 |
| | KLTF | Little Falls, Minn. | 960 | KOAC | enver, Colo. Corvallis, Oreg. Lemoore, Calif. Red Oak, la. | 550 1240 1080 | KPOL KPOP | Portland, Ore. Los Angeles, Calif. Roseville, Cal. Quiney, Wash. Post, Tex. | 1540 1110 1370 | KRUS KRUX KRVN | Ruston, La. Glendale AZ Lexington, Neh. 3 Roseau, Minn, | 1490 1360 880 |
| | KLTZ KLUB | Blackwell, Okia. Glasgow, Mont. Sait Lake City, Utah | 1580 1240 570 | | | 1 280 | KPUW | Powell, Wyo. | 1370 1260 | I KRWC | Buffalo MN | 1410 1360 1060 |
| | KLUC KLUE KLUF | Las Vegas, Nev. Longview, Tex. Lufkin, Tex. Haynesville, La. | 1140 1280 1420 | KOBE KOBH | Pittsburg, Kans, Ibuquerque, N.Mex, Las Cruces, N.Mex, Hot Springs, S.Da | . 770 1450 k. 580 | KPPR KPQ V | Pasadena, Čalif. Globe, AZ Venatchee, Wash. | 1240 1240 560 | KRXK | Winters, TX Seward AK Rexburg, Idaho Fort Worth, TX | 950 1230 1540 |
| | KLUV KLUV | Haynesville, La. Beaument, Tex. Pasadena, Tex. Levelland, Tex. | 1580 560 1480 | KOBO KOBY KOCA | Hot Springs, S.Da Yuba City, Cal. Reno, Nev. Kilgore, Tex. | 1450 1550 1240 | KPRB | Redmond, Oreg. Houston, Tex. Paris, Tex. | 1240 950 1250 | KRÝS KRÝT | Corpus Christl, Tex. Colo Springs, Colo. Farmington, N.M. | 1360 |
| | K L W N | Lawrence, Kans. | 1230 1320 | KOCY KODA | Kilgore, Tex. Oklahoma City, Okla Houston, Tex. Jonlin Mo | 1, 1340 1010 1230 | KPKK | Livingston, Mont. Paso Robles, CA Park Rapids, Minn. | 1340 1230 | KRZI | Waco TX Albuquerque, N.M. | 1280 1560 1450 |
| | KLWW | Lebanon, Mo. Cedar Rapids, Iowa Bakersfield, Calif. | 1230 1450 1350 | KODI (| Houston, Tex. Joplin, Mo. Jody, Wyo. The Dailes, OR North Platte, Nebr | 1400 1440 . 1240 | KPRO | Kiverside, Calif. Kansas Citv. Mo. | 1240 1440 1590 | KSAL | Manhattan, Kans. Salina, Kans. Huntsville, Tex. | 560 1150 1490 |
| • | KLYR | Hamilton, MT Clarksv;;le AR enver, CO | 1240 1360 560 | | Delwein, iowa St. Maries ID Calispell, Mont. | 1480 | KPS0 KPST | Palm Springs, Calif. Falfurrias, Tex. Preston, Idaho | 1450 12 60 1340 | KSCB | Liberal, Kans. Sioux City, Iowa Santa Cruz, Calif. | 1270 1360 1080 |
| | KMA S | henandoah, Iowa San Antonio, Tex. Madill, Okla. | 960 630 1550 | KOFO | Ditawa, Kans. San Mateo. Calif. | 1180 1220 1050 | I KPT.L | Carson City, Nev. Hilo, Hi Pueblo, Colo. | 1300 670 1460 | KSD S | St. Louis, Mo. Aberdeen, S.Dak. | 550 930 |
| | KMAI | Agana, GU | 720 1340 | KOGA | Ogallaia, Nebr. San Diego Calif | 930 600 1600 | I KPUG | Bellingham, Wash, Pullman, Wash, Amarillo, Tex. | 1170 1150 | KSD0 KSDR KSEE | San Diego, Calif, Waterton, S.Dak, Santa Maria, Calif. | 1130 1480 1460 |
| | | Fresno, Calif. Butler, Mo. Manhattan, Kans. Maquoketa, Iowa | 1530 1350 1320 | KOH R | Drange, Tex. eno, Nev. st. Helens. Ore. | 630 1600 1170 | KPXE | Liberty, Tex. | 1440 1140 1050 | I KSFI | Pocatello, Idaho Pittsburg, Kans, Lubbock, Tex. Moses Lake, Wash. | 930 1340 950 |
| | KMAR | Winnsboro, La. | 1570 1280 1520 | KOHU | Honolulu, Hawali Hermiston, OR maha, Nebr. | 1360 1290 | KQAM | Luverne, Minn. San Antonio, TX Austin, Minn. | 800 1150 970 | KSEN | Moses Lake, Wash. Shelby, Mont. Durant, Okla. | 1470 1150 750 |
| | KMBI KMBL KMBY | Mayville, N.D. Spokane, WA Junetion, Tex. | 1330 1450 1240 | KOJO L | Portland, Oreg. Havre, Mont. aramie WY | 970 610 14 9 0 | KOCV | Oklahoma City, OK Roseburg, Ore. Albuquerque, N.Mex. | 600 1240 | KSET KSEW | El Paso, Tex. Sitka, Alaska | 1340 |
| , | KMCD | Monterey, Calif. Kansas City, Mo. Fairfield, Iowa | 980 1570 1240 | KOKA KOKC KOKE | Shreveport, La. Guthrie, Okła. Austin, Tex. | 1550 1490 1370 | KQIK | Lakeview, Oreg. Grand Junction, CO | 1230 1340 | KSFA KSFE | Seymour, Tex. Nacogdoches, Tex. Needles CA | 1230 860 1340 |
| | KMCW | McCall, Ida. McMinnville, Oreg. Augusta AR | 1260 1190 · | KOKL | Huron, SD Okmulgee, Okia, | 1190 1240 | KQIZ | Burlen, WA Amarillo, TX Bayou Vista, IA | 800 1360 1170 | KSFO KSGM KSGT | San Francisco, Calif. Chester, III. Jackson, Wyo. Medford, Ore. | 560 980 1340 |
| | KMDO | Ft. Scott, Kans. Medford, Oreg. Wenatchee, Wash. | 1600 1440 1340 | I KNKN | Pawhuska, OK Warrensburg, Mo. Keokuk, Iowa Little Rock AR | 1890 1450 1310 | | Redding, Callf. Yakima, Wash. Golden Valley, Mins | 1400 930 1440 | KSIB | Creston, lowa Sidney Nebr | 860 1520 1340 |
| | KMEN Cal. | San Bernardine, | 1290 | KOLE | Port Arthur TX | 1440 1340 1150 | KOTY | Borger TX Pittsburgh, Pa, Fargo, N. D. | 1490 1410 | KSIG | Crowley, La. Sliver City, N.Mex, Sikeston, Mo. | 1450 1340 1400 |
| | KMER | Kemmerer, Wys. Mendoeino, Cal. Marshall, Minn. | 740 950 1300 | KOLM KOLO F | uanah, Tex. Rochester, Minn. Reno, Nev. | 1520 920 | | Webster City IA Arvada, Colo. Joplin, Mo. | 1550 1570 1550 | KSIS | Segalia. Mo. | 1470 1050 |
| | KMHL KMHT KMIL | Marshall, Minn. Marshall, Tex. Cameron, Tex. Grants, N.M. | 1400 1450 1330 | KOLS P | ryor. Okla. | 1570 1320 1300 1520 | KUXI | Joplin, Mo. Arvada CO E. Grand Forks, Minn Cheyenne, Wyo. | 1560 1550 . 1590 | KSIX | Woodward, Okla. Corpus Christi, Tex. Jamestown, N.Dak. | 1450 1230 600 |
| | KMIS | Grants, N.M. Portageville, Mo. resno, Calif. | 980 1050 580 | KOMA KOMO: | Okła, Čity, Okla. Seattle, Wash, Omak, Wash | 1520 1000 680 | KKAI | Cheyenne, Wyo. Craig, Colo. Sacramento, Cal. | 1480 550 1140 | KSKI KSKY | Hailey, Ida. Dallas, Tex. Salt Lake City, Utah | 1340 660 1160 |
| | KMLB | Monroe, La. Vista, Cai. | 1440 | KOMY | cottablum, Neor. Aobridge, S.Dak. Okla. City, Okla. Seattle, Wash. Omak, Wash. Watsonville, Calif. Kennewick WA Reno, Nev. | . 1340 610 | KRAL | Rawlins, Wyo. | 1240 1340 . | KSLM | Salem, Oreg. Opelousas, La. | 1390 1230 1240 |
| | KMMO | Grand Island, Nebr. Marshall, Mo. Sloux City, Iowa | 750 1300 620 | KONIS | panish Fork. Utah | 1 450 1 400 1 480 | KRBA KRBB | Morton, Tex. Lufkin, Tex. Sailisaw, Okia. Abliene, Tex. | 1280 1340 1560 | KSLY KSMA | Monte Vista, Colo. San Luis Oblspo, Cal. Santa Maria, Calif. | 1400 |
| | KMON KMOR | acoma, wash, Great Falls, Mont. Murray, Utah | 1360 560 1230 | KONP F | San Antonie, lex. Port Angeles, Wash. San Marcos. TX | 660 1450 1470 | KRBI | St. Peter, Minn. Red Lodge, Mont. | 1470 1310 1450 | KSMN KSMO | Shakopee, Minn. Mason City, Iowa Saiem. Mo. | 1530 1010 1340 |
| | KMUX | St. Louis, Mo. | 1120 710 1540 | KOOK I | Billings, Mont. Phoenix AZ Imaha, Nebr, | 970 960 1420 | KRCB KRC0 | Council Bluffs, la, Prineville, Greg. Roswell, N. Mex. | 1560 690 1320 | KSNN | Pocatello, Ida. Aspen, Colo. Snyder, Tex. | 1290 1260 1450 |
| | KMPL | Hollister, Call. Hollister, Cal. Sikeston, Mo. Morgan City, La. Seattle, WA | 1520 1430 1300 | I KOOS C | oos Bay, Oreg. 'ueson, Ariz. Nice, Tex. Iellingham, Wash. | 1230 1450 1070 | ✓ KRDG | Redding, Calif. Colo, Springs, Colo. | 1230 1240 1230 1190 | KSU L | Des Moines, Iowa Ava. Mo. Little Rock, AR | 1460 1430 1050 |
| | KMRN KMRS | Cameron, Mo. Morris, Minn. | 1360 1230 | KORT E | tellingham, Wash. fineral Wells, Tex. Pasco, Wash. springfield-Eugene, | 1550 1140 910 | KRDS | Gresham, Ore. Telleson AZ Dinuba, Calif. | 1130 | KSOK KSOM | Arkansas City, Kans. Ontario, Cal. | 1280 1510 |
| | KMSL | Milbank, SD Ukiah, Cal. Manti, UT | 1510 1250 1340 | | | 1050 | KREI | Berkeley CA Eureka CA Oakdale, La. | 1400 1480 900 | KS00 KS0P | San Diego, Calif. Sloux Falls, S.Dak. Salt Lake City, Utah Raymondville, Tex. Boise, Idaho | 1240 1140 1370 |
| | KMTX KMUL KMUS | Heiena, MT Muleshoe, Tex. Muskogea, Okla. | 950 1380 1380 | KORK I KORL I KORN I | as Vegas, Nev. Ionolulu, Hawali Mitchell, S.Dak. Irangeville, Idaho | 920 650 1490 | | Farmington, Mo. Sapulpa, Okla, Corona, Cal. Spokane, Wash. | 800 1550 1370 | KSDX KSPD KSPI | Boise, Idahe Stillwater, Okla. | /80 8 |
| | KMVI | Muleshoe, Tex. Muskogee, Okla. Walluku, Hawali Yakima, Wash. | 550 | L'AUT 3 | JI OVIII OA | i 230 1340 880 | KREM KREO | Spokane, Wash. Indio, Callf. Sunnyside, Wash. Grand Junetion, Colo | 1370 970 1400 1230 | KSPL KSPO KSPR | Bolse, Idane Stillwater, Okla. Diboli, Tex. Spokane, Wash. Springdale AR Sandpoint, Idaho Salmon, Idaho Socorro, N.Mex. | 1260 1230 1590 |
| | KNAB | Burlington CO Fredericksburg, Tex. | 1140 910 | KOSI A | urora, Colo. 'exarkana AR | 1430 790 | KREX KRF0 | Grand Junction, Colo Owatonna, Minn. Superior, Nebr. | 1390 | KSPT KSRA KSRC | Sandpoint, Idaho Salmon, Idaho Socorro N Mey | 1400 960 1290 |
| | KNAL KNAM | Victoria, Tex. Midiand, Tex. | 1280 1410 1510 | KOTD F | lattsmouth, Neb. | 1380 1000 1490 | KRFS KRGI KRGV | Grand Island, Neb. Weslasco, Tex. | 1430 1430 1550 | | | 920 |
| | KNBA KNBI I KNBO | Vallejo, Calif. Norton, Kan. New Boston, Tex. | 1190 1530 1530 | KOTY I | rora, Colo. exarkana AR apid City, S.Dak. Platsmouth, Neb. Pine Bluff AR eming, N.M. (ennewick, WA (otzebue AK | 1230 1340 720 | KRGO | Salt Lake City, Utah Dunean, Okla, | 1290 1350 1490 | KSSS KSST | Colorado Springs, Colo Sulphur Springs, Tex. | . 740 1230 |
| | KNBR KNBY KNCB | San Francisco, Cal. Newport AR Vivian. La. | 680 1280 1600 | KOVE I | ndependence, lowa alley City, N.Dak, ander, Wyo. Provo, Utah | 1220 1490 1330 | KRIG | Odessa. Tex. Rayville, La. | 1410 990 | KSTA KSTB KSTL | Coleman, Tex. Breckenridge, Tex. St. Louis, Mo. | 1000 1430 690 |
| | KNCK | Vakima Wash Marysville, Calif, Burlington CO Bredericksburg, Tex. Sait Lake City, Utah Victoria, Tex. Midland, Tex. Vailejo. Calif. Jorton, Kan. New Boston, Tex. San Francisco, Cal. Newport AR Vivian, La. Concordia, Kans. Nehraska City, Nebr. Hettinger, N.Dak. Saeramento. Calif. Jenoulut, Hawail | 1390 1600 1490 | KOVO P KOWB | rovo, Utah Laramie, Wyo. Omaha, Nebr. South Lake Tahoe, | 960 1290 660 | KRIZ | Grand Island, Neb. Weslasto, Tex. Salt Lake City, Utah Dunean, Okla. Mason City, Iowa Odessa. Tex. Rayville, La. MeAllen, Tex. MeAllen, Tex. City. Callf. Albuquerque, NM Rock Springs, WY North Pole, AK Everett, Wash. Albany, Ore. | 1230 1490 | KSTN KSTP KSTR | Santa Rosa, Calif. Ontario, Oreg. Colorado Springs, Cole Sulphur Springs. Tex. Coleman, Tex. Breekenridge, Tex. St. Louis, Mo. Stockton, Calif. St. Paul. Minn. Grand Junction, Colo. Davenport, Iowa | 1420 1500 620 |
| | KNDE | Sacramento, Calif. Honolulu, Hawait | 1470 1270 | KOWL S | South Lake Tahoe, | | KRKE KRKK KRKM | Albuquerque, NM Rock Springs, WY North Pole, AK | 610 1360 6 00 | KSTT | Stephenville, Tex. Cedar City, Utah West Memphis AR Susanville, Calif, Fairmont, Minn. Bishes A7 | 1510 |
| | KNDY | Marysville, Kans, Jonesboro AR | 1 080 1 570 970 | KOWN KOXR | Escondide, Calif. Waseca MN Exnard, Calif. | 1450 1170 910 | KRKO KRKT | Everett, Wash. Albany, Ore. Lewiston, Ida. | 990 | KSUD | West Memphis AR Susanville, Calif. | 590 730 1240 1370 |
| | KNED KNED | Scottsbluff, Nebr. McAlester, Okia. Vaukon, Ia. | 970 970 1150 1140 | KOY PI KOYL O KOYN E | loenix AZ Idessa, Tex, Billings, Mont. | 550 1310 910 | Clark | eston, Wash. | 1350 1060 | KSUM KSUN KSUZ | Bisbee AZ Port Neches, TX Richfield, Utah Ogden, Utah Artesia N Mey | 1150 |
| | KNEL KNEM | Brady, Tex. Nevada, Mo. Palestine. Tex. | 1490 1240 1450 | KOYY E KOZA O KOZE L | l Dorado KS dessa, Tex. ewiston, Idahe | 1430 1230 1300 | KRLN KRLW KRMC | Dalfas. Tex. Canon City, Colo. Walnut Ridge AR Midwest City OK | 1400 1320 1220 | KSVC KSVN KSVP | Richfield, Utah Ogden, Utah Artesia, N.Mex. | 980 730 990 |
| | KNEW | Sacramento, Callf. Honolutu, Hawall Langdon, N.D. Marysville, Kans. Jonesboro AR Seottsbluff, Nebr. McAlester, Okla. Vaukon, Ia. Brady, Tex. Nevada, Mo. Palestine, Tex. Oakland, Cal, McPherson, Kans. compoe, Callf. | 910 1540 960 | KOZI C | nelan, Wash. rand Rapids, MN | 1230 1320 1250 | KRMD KRME KRMG | Shreveport, La. Hondo, Tex. Tulsa, Okla. | 1220 1340 1460 740 1410 | KSWA | Artesia, N.Mex. Graham, Tex. Seaside, Ore. | 1330 930 940 |
| | KNFT | Bayard, N.M. | 950 620 | KPAG F | agosa Springs, CO | 1400 | KRML | Walnut Indge Midwest City OK Shreveport, La. Hondo, Tex. Tulsa, Okia. Carmel, Calif. Monett. Mn. Osane Beach, Mo. | 990 | KSW0 KSWV | Aurora, Mo. Lawton, Okta, Wickenburg AZ | 1380 |
| | KNIC V | Knoxy:iie, Iowa Vinfield, Kan. :hevenne. WY | 1320 1550 1590 | KPAN I KPAR A KPAT S | ieretora, Tex. Ibuquerque, N.M. Sierra Vista AZ | 860 1190 1420 | KRNS KRNS | Roseburg, Oreg. Burns, Oreg. Dus Moines, Iowa Kearney, Nebr. Robstown, Tex- | 1150 1490 1230 | KSXX KSYC KSYL | Salt Lake City, Utah Yreka, Calif, Alexandria, La. Santa Rosa, N.Mex. | 630 1490 970 |
| | KNIM KNIN Y KNIR I | Maryville, Mo. Vichita Falls, Tex. New Iberia, La. Ibilene, Tex. | 1580 990 1360 | KPAY C KPBC C KPCA | hico, Calif, Pallas, TX farked Tree AR | 1060 1040 1 580 | KRNT KRNY KROB | Kearney, Nebr. Robstown, Tex | 1350 1460 1510 | KSYX KTAC KTAF | Santa Rosa, N.Mex. Tacoma, Wash, Taylor, Tex. | 1420 850 1260 |
| | KNIT A | Abilene, Tex. Tempe. AZ Ord. Neb | 1280 1580 1060 | KPCO O KPCR B | uiney, Cai. owling Green, Mo. Pampa, Tex. | 1370 1530 1340 | KROC KROD KROE | Rochester, Minn. El Paso, Tex. Sheridan, Wyo. | 1340 600 930 | KTAM KTAN KTAP | Tacoma, Wash. Taylor, Tex. Bryan TX Sierra Vista AZ Phoenix AZ Frederick, Okia. | 1240 |
| | | Tempe. AZ Ord, Neb. Cottage Grove, Oreg. Friona, Tex. Natchitoches, La. | 1400 | KPDQ F KPEL L | ortland, Oreg. afayette, La. | 800 1420 1420 | KROF KROP KROS | Rochester, Minn. El Paso, Tex. Sheridan, Wyo. Abbeville, La. Brawley, Calif. Clinton, Iowa Dallas, Ore. | 960 1300 1340 | | | 620 1570 600 1470 |
| | KNOE | Monroe, La. Ft. Worth, Tex. | 1450 540 970 780 | KPET L | amesa, Tex. | 690 1340 | KROV | Dallas, Ore. Crookston, Mina, Sacramento, Calif. | 126N | KTCH | Maiden, Mo. Wayne, Neb. Minneapolls, Minn. Fort Smith AR | 690 |
| | KNOP | Nome AK N. Piatte, Nebr. Norman, Okia, | 1410 1400 | KPIA II | South Lake Tahoe, Escondido, Calif, Waseca MN Ixnard, Calif, Ixnar | 1480 1480 1580 | KRPL | Moscow, Idahe Anadarko, Okia, | 1460 1240 1400 850 | KTDL KTDO | Fort Smith AK Farmersville, La. Toledo, Oreg. | 1410 1470 1230 |

| 0.5 | J. AIVI SIA | VIIC | INS BY CALL | LL, | IERS . | | | |
|---------------|---|----------------------|--|-----------------------|---|-----------------------|--|-----------------------------|
| Call | Location | kHz | Call Location | kHz | Call Location | kHz | | (Hz |
| KTEE | Idaho Falis, Idaho Walla Walla, Wash. | 1260 1490 | KVET Austin, Tex. KVFC Cortez, Colo. KVFD Ft. Dodge, Iowa | 1300 740 | KWSU Pullman, Wash. KWTC Barstow. Callf. | 1250 1230 | WACX Austell, Ga. WACY Kissimmee, Fia. WADA, Shelby, N.C. WADC Parkersburg, WV WADE Wadesboro, N.C. WADK Newport, R.I. WADM Decatur, Ind. WADD New York, N.Y. WADR Remsen, N. Y. WADS Ansonia, Conn. WAEB Allentown, Pa. | 1600 1220 |
| | | 1400 | KVFD Ft. Dodge, lowa KVGB Great Bend, Kans. | 1400 1590 | KWTO Springfield, Mo. KWTX Waso, Tex. KWUN Concord, Cal. | 1230 | WADA Shelby, N.C. WADC Parkersburg, WV | 1390 1050 |
| KTER | Terrell, Tex. Payette, Idaho | 1570 1450 | KVGB Great Bend, Kans, KVI Seattle, Wash, KVIC Victoria, Tex. KVIL Highland Park, Tex. KVIN Vinita, OK KVIO Cottonwood AZ KVID Paddine Calif | 1340 | KWUN Concord, Cal. KWVR Enterprise, Oreg. KWWB Bismarck-Mandan, | 1480 1340 | WADE Wadesboro, N.C. WADK Newport, R.I. | 1210 1540 |
| KTFS | Twin Falls, Idaho Texarkana, Tex. | 1270 1400 1090 | KVIN Vinita, OK KVIN Cattonwood A7 | 1470 | | 1270 1330 | WADO New York, N.Y. | 1280 1480 |
| KTGR | Temple, Tex. San Angelo, Tex. Terrell, Tex. Payette, Idaho Texarkana, Tex. Tioga, N. D. Columbia, Mo. Hobart OK Thermoolls, Wyo | 1580 | KVIP Redding, Calif, KVKM Monahans, Tex. | 540 1330 | KWWL Waterloo, lowa KWXY Cathredal City CA KWYK Farmington, N.Mex. KWYN Wynne AR KWYO Sherldan Wyo | 1340 960 | WADS Ansonia, Conn. | 690 790 |
| KTHE | Hobart UK, Thermopolis, Wyo. South Lake Tahoe, Ca Berryville, Ark. Thibodaux, La. Tillamook, Oreg. San Rafael, Calif. Porterville. Calif. Minneanls Minn | 1240 | KVKM Monahans, Tex. KVLF Alpine, Tex. KVLG LaGrange, Tex. KVLH Pauls Valley, Okla. KVLL Lake Isabella, CA KVLL Woodville, Tex. | 1240 1570 | KWYN Wynne AR KWYO Sheridan, Wyo. | 1400 | WAEL Mayaguez, P.Rico WAEW Crossville, Tenn. | 600 1330 |
| KTHS | Berryville, Ark. Thibodaux, La. | 630 | KVLH Pauls Valley, Okla. KVLI Lake Isabella, CA | 1470 1140 1220 | KWYO Sheridan, Wyo, KWYR Winner, S.Dak, KWYS W. Yellowstone, Mont | 1260 . 920 1570 | WAFI MININSDORD, KV. | 1490 1560 |
| KTIL | San Rafael, Calif. | 1510 | KYLL WOODVIIIE, 1ex. KYLV Fallon, Nev. KYMA Magnolia AR KYMC Colorado City, 'Tex. KYML Sonora, Calif, KYNC Winslow, Ariz, KYNI Coeur d'Alene, idaho KYNU Logan, Utah KYNB Rastron, La. | 980 630 | KWYS W. Tellowstone, Mont KWYT Salinas, CA KWYZ Everett, Wash, KXA Senttle, Wash, KXAR Hope AR KXEL Waterloo, lowa KXEM MeForland Cal | 1230 770 | WAGE Leesburg, Va. | 1560 1290 1320 |
| KTIS | Minneapolis, Minn. Pendleton, Ore. Hobart, Okla. | 900 | KVMC Colorado City, Tex. KVML Sonera, Calif. | 1320 1450 | KXAR Hope AR KXEL Waterloo, Iowa | 1490 | WAGG Franklin, Jenn, | 950 15 6 0 |
| KTKN | Katahikan AK | 1420 930 | KVNC Winslow, Ariz. KVNI Coeur d'Alene, Idaho | 1010 | KXEM McFarland, Cal. KXEO Mexico, Mo. | | WAGM Presque Isle, Maine WAGN Menominee, Mich, | 950 1340 |
| KIKK | Tueson AZ | 990 | KVNU Logan, Utah KVOB Bastrop, La. | 610 1340 1230 | KXEN Festus-St, Louis, Mo. KXEW Tueson AZ | 1600 | WAGR Lumberton, N.C. | 690 580 1380 |
| KTLK | Tuilulah, La, Denver, Colo, Mountain Home AR | 1360 1280 1240 | KVOB Bastrop, La. KVOB Casper, Wyo. KVOE Casper, Wyo. KVOE Emporia, Kans. KVOE Moden, Utah KVOK Kodlak AK KVOL Lafayette, La. KVOM Morritton AR | 1400 | KXEM Mexico, Mo. KXEN Mestus, Mo. KXEN Festus-St. Louis, Mo. KXEW Tueson AZ KXEX Fresno. Calif. KXGN Glendive, Mont. KXGI Ft. Madison. Iowa KXIC Jowa City. IA | 1400 | WAGY Forest City, N.C. | 1320 1510 |
| KTLQ | Tahlequah, Okla. Rusk, Tex. | 1350 1580 | KVOK Kodiak AK KVOL Lafayette, La. | 1330 | KXIC lows City. IA KXIC lows City. IA KXIV Phoenix AZ KXIV Procest City AR KXIV Lafavette | 1410 | WAIK Gainesburg, III. WAIL Baton Rouge, La, | 1590 1260 1230 |
| KTLW | Texas City, Tex. | 920 1400 | KVOM Morriston AR KVON Napa, Calif. | 800 1440 1170 | KXIV Phoenix AZ KXJK Forrest City AR | 950 | WAIN Columbia. Ky, | 1270 |
| KTMF KTM N | New Prague, Minn. I Trumann AR Santa Barbara, Calif. | 1350 1530 | KVON Napa, Calif. KVOO Tulsa, Okla. KVOP Plainview, Tex. KVOR Colo. Springs, Colo. KVOII Ilyalda Tev. | 1400 | MARIN Editajotto, Ed. | 1520 750 1240 | WAIR Winston-Salem, N.C. 1 WAIT Chicago, III. | 1340 820 1490 |
| KTMS | Santa Barbara, Callf. Falls City, Nebr. Tucumcari, N.Mex. | 1250 1230 1400 | KVOV Henderson-Las Vegas | . 400 | KXL Portland, Ureg, KXLE Ellensburg, Wash. KXLF Butte, Mont, KXLO Lewiston, Mont, KXLR North Little Rock | 1240 1370 1230 | WAJR Morgantown, W.Va. | 1440 |
| KTNT | Tacoma Wash | 1400 | KVOW Riverton, Wyo. | 1450 | KXLR North Little Rock | 1150 | WAKC Normal, IL WAKE Valparaiso, Ind. | 1440 1500 |
| KTOC | Petaluma, Cal. Jonesboro, La. Mankato, Minn. Lihue, Hawaii | 920 1420 | NY KYOW Riverton, Wyo, KYOX Moorhead, Minn, KYOY Yuma, Ariz. KYOZ Laredo, Tex, KYPI Ville Platte, La, KYRA Vermillion, S. D. KYRC Arkadelphia AR KYRE Santa Rosa CA | 1280 1400 1490 | AR K×LW Clayton, MO KXLY Spokane, Wash, KXO El Centro, Calif, KXOK St Louis Mo | 920 1230 | WAKI McMinnville, Tenn. WAKK McComb, MS | 1230 1140 |
| KTOH | Oklahoma City, Okla. | | KVPI Ville Platte, La, KVRA Vermillon, S. D. | 1050 | KXOK St. Louis, Mo. KXOL Ft. Worth, Tex. | 630 1360 | WAKA Lawrenceville III | 990 |
| KTON | Belton, Tex. | 1380 940 1490 | KVRC Arkadelphia AR KVRE Santa Rosa, CA KVRH Salida, Colo. | 1460 | KXOW Hot Springs AR KXOX Sweetwater, Tex. | 1420 | WAKS Fuguay-Varina, N.C. I | 1590 1460 970 |
| KTOQ | Oklahoma City, Okia. Salinas, Cal, Belton, Tex, Topeka, Kans, Rapid City, SD 'Sand Spring, Okia. Present A R | 1340 1340 1370 | KVRN Sonora, TX | 980 1220 | KXPO Grafton, ND | 1340 | WAKY Louisville, Ky. | 790 400 |
| KTPA | Prescott AR Modesto, Calif. | 860 | KVSF Sante Fe, N.Mex. | 1260 940 1450 | KXRB Sloux Falls, S.D. KXRO Aberdeen, Wash. | 1520 1320 1500 | WALK Patchogue, N.Y. | 1590 1370 |
| | Modesto, Calif. Santa Fe, N.Mex. Thief River Falls, | 1400 | KVSF Sante Fe, N.Mex. KVSH Valentine, Nebr. KVSI Montpelier, Ida. KVSL Show Low AZ | 1450 | KXTO Sherman, Tex. KXXL Bozeman, Mont, | 1500 1450 | WALM Albion, Mich. | 1340 1260 1240 |
| KTRH | Houston, Tex. Beaumont, Tex. Wichita Falls, Tex. | 740 990 | KVSO Ardmore, Okla. KVWC Vernon, Tex. KVWG Pearsall, Tex. | 1240 1490 1280 | KXRA Alexandria, Minn, KXRB Sloux Falls, S.D. KXRO Aberdeen, Wash. KXRX San Jose, Calif. KXTO Sherman, Tex. KXXL Bozeman, Mont. KXXO Tulsa, OK KXXR Snokane. WA KXXX Colby. Kans. KXYZ Houston, Tex. KYA San Francisco, Calif. KYAC Seattle. WA | 1300 | WALY Herkimer, N.Y. | 1420 1340 1190 |
| | | 1290 | KVWM Show Low AZ KVWO Cheyenne, Wyo. KVYL Holdenville, Okla. KWAC Bakersfield, Calif. | 970 1370 | KXXX Colby, Kans, KXYZ Houston, Tex, | 790 1320 1260 | WAMB Donelson, Tenn. WAMD Aberdeen, Md. | 970 |
| KTRY | Bastrop, La. San Antonio, Tex. El Paso, Tex. Trenten, Mo. | 780 550 1380 | KVYL Holdenville, Okia, KWAC Bakersfield, Calif. | 1370 1490 | KYAC Seattle, WA | 1250 1600 | WAMI Opp AL | 660 1340 |
| KTTN | Trenton, Mo. Rolla, Mo. | 1490 | KWAK Stuttgart AR KWAD Wadena, MN KWAL Wallace, ID | 920 | KYCA Prescott AZ KYCN Wheatland, Wyo. | 1490 | WAMM Flint, Mich. WAMO Pittsburgh, Pa. | 1420 860 |
| KTTS | Rolla, Mo. Springfield, Mo. Columbus, Nebr. Brenham, TX | 1510 | KWAM Memphis, Tenn. KWAT Watertown, S.Dak. | 990 950 | KYDE Pine Bluff, AR KYES Roseburg, Ores. | 1590 950 | WAMS Wilmington, Del. | 1320 1380 |
| KTTX | Brenham, TX Tueson AZ Tulla, Tex. | 1280 1400 1260 | KWAM Memphis, Tenn. KWAT Watertown, S.Dak. KWAY Waverly, Jowa KWBB Wichita, Kans. | 1470 | KYAC Seattle. WA KYAL McKinney, Tex. KYCA Prescott AZ KYCN Wheatland, Wyo. KYDE Pine Bluff, AR KYES Roseburg, Oreg. KYET Payette, Idaho KYJC Medford, Oreg. KYKR Port Arthur, TX KYLT Missoula, MT KYME Boise, Idaho KYMN Northfield, MN KYNG Coos Bay, Oreg. KYNG Fesno, Calif. KYNT Yankton, S.Dak. | 1450 1230 1510 | WAMY Amory, Miss, | 1580 1580 1490 |
| KTUI | Sullivan, Mo. | 1586 770 | KWBE Navasota, Tex. KWBE Beatrice, Nebr. KWBE Boone, Iowa KWBW Hutchinson, Kans. KWBY Edna, Tex. | 1550 | KYLT Missoula, MT KYME Boise, Idaho | 1340 740 | WANB Waynesburg, Pa. WANL Lineville AL | 1580 |
| KTWO | Sullivan, Mo. Agana, Guam Casper, Wyo. Jasper, Tex. | 1030 | KWBW Hutchinson, Kans, KWBY Edna, Tex. | 1590 1450 1130 | KYMN Northfield, MN KYNG Coos Bay, Oreg. | 1080 | WANN Annapolis, Md. | 1540 1070 1190 |
| KTYD | Santa Barbara, CA | 990 | KWBY Edna, Tex, KWBZ Englewood, CO KWCK Searey, AR KWCL Oak Grove, La, KWCO Chickasha, Okla, KWED Rochester, Minn, KWED Seguin, Tex, KWEL Weiser, Idaho KWEL Midland, Tex, KWEW Hobbs, N.Mex, KWEY Weatherford, Okla, KWEY Weatherford, Okla, KWEY Merkle, Tex, | 1150 | KYNO Fresno, Calif. KYNT Yankton, 8.Dak. | 1300 1450 1590 | WAND Pineville, Ky. WANR Toledo, OH | 1230 1520 1280 |
| KTYN | Inglewood, Calif, Minot, N.D. Windsor, CO | 1460 1430 1170 | KWCL Oak Grove, La. KWCO Chickasha, Okia. | 1280 1560 | KYOK Houston, Tex. KYOR Blythe, Calif, KYOS Merced, Calif, KYRO Potosi, Mo. | 1480 | WANT Richmond, Va. WANV Wavneshore, Va. | 990 970 |
| KUAI | Windsor, CO Elecie, Kanal, Hawali Agana, GU Tueson AZ | 720 810 | KWED Seguin, Tex. | 1270 1580 1260 | | 1280 | WANY Albany, Ky. WAOA Opelika AL | 1390 1520 |
| | | 1550 1600 580 | KWEL Midland, Tex. KWEW Hebbs, N.Mex. | 1800 | KYSM Mankato, Minn. KYSN Colorado Sprgs., Cole. KYSS Missoula, Mont. KYUK Bethel AK | 1230 1460 | WAOK Atlanta, Ga. | 1420 1380 980 |
| KUBC | Mentrose, Colo. Oceanside, Calif. Great Falls, Mont. | 1320 1450 | KWEY Weatherford, Okia, KWFA Merkle, Tex, | 1590 | KYUK Bethel AK KYVA Gallup, N.Mex. | 560 1280 | WAOV Vincennes, Ind. | 1450 680 |
| KUDY | . Fairway, Kan. / Snokana. Wash | 1380 | KWG Stockton, Calif. | 620 1230 1290 | | 1060 | WAPE Jacksonville, Fla. WAPF McComb. Miss. | 980 980 |
| KUEN | Wenatchee, Wash. Agana, Guam | 900 940 | KWHK Hutehinson, Kans. KWHN Fort Smith AR | 1260 1320 | KYXI Oregon City, Ore, KZAK Tyler, Tex. KZAM Bellevue, WA KZEE Weatherford TX KZEY Tyler, TX | 1330 1540 1220 | WAPG Arcadia, FL WAPI Birmingham AL | 1480 070 1570 |
| KUG | Regene, Oreg. Resen River, WY | 590 1490 1440 | KWHO Salt Lake City, Utal KWHW Altus, Okla. | h 860 1450 1240 | KZEY Tyler, TX | 690 1580 | WAPR Avon Park, Fla. | 1390 1600 |
| KUIK | Hillsboro, Oreg. Walla Walla, Wash. | 1360 1420 | KWIL Albany, Oreg. KWIP Merced, Calif. | 790 1580 | KZIP Amarillo, Tex. KZIQ Ridgecrest, CA | 1310 | WARA Attleboro, Mass. WARB Covington, La. | 730 |
| KUK | San Antonio, Tex. Uklah, Calif. | 1400 | KWIQ Moses Lake, Wash. KWIV Douglas, WY | · 1260 1050 | KZNG Hot Springs AR KZOE Princeton, III. | 1840 1490 1570 | WARD Pittston, PA WARE Ware, Mass, | 1540 1250 1240 |
| KUK | J Willow Springs, Mo. Honolulu, Hawali Enhante Week | 1330 690 730 | KWIX Moberly, Mo. KWIZ Santa Ana, Calif. | 1230 1480 1086 | KZEY 191er, TX KZIP Amarillo, Tex. KZIP Amarillo, Tex. KZIQ Ridgecrest, CA KZNG Hot Springs AR KZOE Prineeton, III. KZOL Farwell, Tex. KZON Santa Maria, Cal. KZOO Honolulu, Hawaii KZOT Marianna AR KZRK Ozark. AR | 1600 | WARI Abbeville AL WARK Hagerstown, Md. | 1480 1490 |
| KULF | I Wenatchee, Wash. Zagana, Guam I Eugene, Oreg, Santa Maria, Cal. Hillsboro, Oreg, Walla Walla, Wash. A San Antonio, Tex. Uklah, Calif. J Willow Springs, Mo. Honolulu, Hawall Ephrata, Wash. Houston, Tex. Uklay, Calif. Houston, Oreg, Ulysses, Kan. Pendieton, Oreg, U Honolulu, Hawall O Corpus Ghristl, Tex, A Siloam Springs AR M Minneapolis, Minn. | 790 1390 1420 | KWEW Hobbs, N. Mex. KWE7 Weather Ford, Okla. KWFA Merkle, Tex. KWFA Merkle, Tex. KWG Stockton, Calif. KWG Big Lake, Tex. KWHK Hutehinson, Kans. KWHN Fort Smith AR KWHO Sait Lake City, Utal KWIK Pocatello. Idaho KWIL Albany, Oreg. KWIP Merced, Calif. KWIQ Moses Lake, Wash. KWIQ Moses Lake, Wash. KWIQ Douglas, WY KWIX Moberly, Mo. KWIX Santa Ana. Calif. KWIX Santa Ana. Calif. KWIX St. Louls, Mo. KWKA Clovis, NM K | 1380 680 | KZOT Marianna AR KZRK Ozark, AR | | WAPG Arcadia, FL WAPI Birmingham AL WAPL Appleton, Wis. WAPR Avon Park, Fla. WAQI Ashtabula, Ohlo WARA Attleboro, Mass. WARB Covington, La. WARD Pittston, PA WARE Ware, Mass. WARF Jasper AL WARK Hagerstown, Md. WARM Scranton, PA WARO Canonsburg, Pa. WARM Scranton, Va. WARW Warenton, N.C. WARU Peru, Ind. WARV Warwick- E. Greenwich, R.I. WASA Havre de Grace, Md. WASC Spartanburg, S.C. WASK Lafayette, Ind. WASK Prownsville, Pd. | 590 540 520 |
| KULY | Ulysses, Kan. A Pendleton, Oreg. | 1420 | KWKC Abliene, Tex. KWKH Shreveport, La. | 1340 1130 | KZOT Marlanna AR KZUL Parker, AR KZUL Parker, AR KZUN Opportunity, Wash, KZYM Cape Girardeau, Mo, KZZN Littlefield, Tex, WAAA Winston-Salem, N.C. WAAB Worcester, Mass. WAAC Terre Haute, Ind. WAAM Ann Arbor, Mich, WAAM Waynesboro, Tenn. WAAO Andalusia AL WAAX Gadsden AL | 630 1220 | WARR Warrenton, N.C. WARU Peru, Ind. | 1600 |
| KUNG | Corpus Christi, Tex. | 1500 1400 1290 | KWKY Des Moines, towa | 1150 | KZZN Littlefield, Tex. WAAA Winston-Salem, N.C. | 1490 980 | E. Greenwich, R.I. WASA Havre de Grace, Md. | 590 330 |
| KUP | A Siloam Springs An M Minneapolis, Minn. D Tempe AZ I Idaho Falis, ID K Garden City, Kan. Y Puyallup, W A A Moab, Utah L Billings, Mont. V Fdilmburg, Tex. | 770 1060 | KWLC Decorah, Iowa KWLM Willmar, Minn, | 1400 1240 1340 | WAAB Worcester, Mass. WAAC Terre Haute, Ind. | 1440 | WASC Spartanburg, S.C. WASK Lafayette. Ind. | 1530 1450 1130 |
| KUP | I Idaho Falis, ID K Garden City, Kan. | 980 1050 | KWMB Wabasha, MN KWMC Del Rio, Tex. | 1340 1190 1490 | WAAN Waynesboro, Tenn. | 1600 1480 1530 | WASP Brownsville, Fa. WASR Wolfeboro, N.H. | 1420 1450 |
| KUR | Y Puyaitup, WA A Moab, Utah | 1450 1450 730 | KWMS Sait Lake City, UT KWMT Ft, Dodge, Iowa | 12P0 540 1400 | WAAX Gadsden AL WAAX Gadsden AL WAAX Aquadilla P. Rieo WABA Aquadilla P. Rieo WABB Mobile Tr. K. N.Y. WABD Ft. Campbell. Ky. WABG Ft. Campbell. Ky. WABG Greenwood Miss | 1550 | WATC Gaylord, Mich. | 810 |
| KUR | V Edinburg, Tex, Y Brookings, Oreg. | 710 | KWNO Winona, Minn. KWNS Pratt, Kans. | 1230 | WABA Aquadilla, P.Rico WABB Mobile AL | 650 1480 | WATK Antigo, Wis. WATM Atmore AL | 900 1590 1240 |
| KUS | Vermillion, S.Dak. H Cushing, Okla. | 1600 | KWNT Davenport, Iowa KWOA Worthington, Minn. | 1290 1580 730 | WABO Ft. Campbell, Ky. | 770 1370 1220 | WATO Oak Ridge, Tenn. | 290 1430 |
| KUSI | L Billings, Mont. V Edinburg, Tex, Y Brookings, Oreg. D Vermillion, S.Dak. H Cushing, Okla. N St. Joseph, Mo. A Blanding, Utah I Yakima, Wash. Y Palmdale, Callf. U Seattle, Wash. R Holdredge, Nebr. L Golden Valley, Minn N W, Monroe, La, Z Bakersfield, Callf. C Forks, Wash. V Yancouver, Wash. | 790 980 | KWOA Worthington, Minn. KWOC Peplar Bluff, Mo. KWOE Clinton, Okla. KWON Bartlesville, Okla. | 930 1320 1400 | WABG Greenwood, Miss. WABH Deerfield, Va. | 960 1150 | | 960 |
| KUT | Y Paimdale, Calif. U Seattle. Wash. | 1470 1590 | KWUN WINIANU, WYU. | 1240 | WABI Bangor, Maine WABJ Adrian, Mich. | 910 1490 1260 | WATT Cadillae, Mich. I WATV Birmingham AL | 900 |
| KUV | R Holdredge, Nebr. L Golden Valley, Minn | . 1380 . 1570 | KWOW Pomona, Calif. KWPC Muscatine, Iowa | 860 | WABK Gardiner, Me. WABL Amite, La. | 1570 | WATZ Alpena, Mich. | 1400 1450 1590 |
| KUZ | N W. Monroe, La. Z Bakersfield, Calif. | 1310 600 1490 | KWPM West Plains, Mo. KWPR Claremore, Okla. | 1450 | WABQ Cleveland, Ohio WABV Abbeville, S.C. | 990 1540 1590 | WAUC Wauchula, Fla. | 1590 1310 230 1050 |
| KVA | N Vancouver, Wash. S Astoria, Ore. | 1480 | KWRD Henderson, Tex. KWRE Warrenton, Mo. | 940 1470 730 | WABY Albany, N.Y. WABZ Albemarie, N.C. | 1010 | WAUG Augusta, Ga. WAUK Waukesha, Wis, | 1050 1510 780 |
| KVB | R Brainerd, Minn. K Wolf Point, Mont. | 1340 | KWRF Warren AR KWRG New Roads, La, | 730 860 1500 | WACA Camden, S.C. WACB Kittanning, Pa. | 1380 1380 | WAVE Louisville, Ky. | 350 |
| KVC | Winnfield, La. V Redding, Calif. R Signy Center in | 600 1000 | KWOS Jefferson City, Mo. KWOW Pomona, Cailf. KWPC Muscatine, lowa KWPM West Piains, Mo. KWPR Claremore, Okla. KWRC Woodburn, Ore. KWRD Henderson, Tex. KWRE Warrenton, Mo. KWRF Warren AR KWRG New Roads, La, KWRG New Roads, La, KWRT Boonville, Oreg. KWRT Boonville, Mo. KWRT Boonville, A. | 630 1370 620 | WACE Chicopee, Mass, WACI The Dalles, Ore. | 730 1300 | WAVI Dayton, Ohio I WAVL Apollo, Pa. | 910 |
| KVE | Z Bagersheid, Calli. C Forks, Wash. N Vancouver, Wash. S Astoria, Ore. R Brainerd, Minn. K Wolf Point, Mont. L Winnfield, La. V Redding, Calif. B Sloux Center, ia. C San Luis Oblspo. Cal E Conway AR C Las Vegas, Nev. | 11. 920 1330 | KWSH Weweka-Seminole, | 1260 | WACK Newark, N.Y. WACL Wayeross, Ga. | 1300 1420 570 | WAVE Louisville, ky. WAVI Dayton, Ohio WAVL Apollo, Pa. WAVN Stillwater, Minn, WAVO Avondale Estates, Ga. i WAVS Ft. Lauderdale, Fla. | 420 1420 |
| KVE | G Las Vegas, Nev. L Vernai, Utah N Ventura, Calif. | 970 920 1450 | KWSL Sloux City. IA KWSO Waseo, Calif. KWSR Rifle, Colo. | 1470 1050 810 | WABD F. Camponer. Ry. WABB Fairhope AL WABG Beenwood, Miss. WABH Deerfield, Va. WABI Bangor, Maine WABJ Adrian, Mich. WABK Gardiner. Me. WABL Amite, La. WABO Waynesboro, Miss. WABQ Cleveland, Ohio WABV Abbeville. S.C. WABY Albany, N.Y. WABZ Albemarle, N.C. WACB Kittanning, Pa. WACD Alexander Citv. AL WACE Chicopee, Mass. WACI The Dalles, Ore. WACK Newark, N.Y. WACK Wayeross, Ga. WACO Waeo, Tex. WACR Columbus, Miss. WACT Tuscaloosa AL | 1460 1050 1420 | WAVU Albertville, Ala, | 630 300 |
| LAE | a Fontura, Calli. | . 700 | 1 mmon nine, 0010. | 910 | | | | |

| | Call | Location | kHz | Call | Location | kHz | Call | Location | kHz | Call | Location | kHz |
|------------|----------------------------|--|-------------------------------|-------------------------|--|------------------------------|----------------------|--|------------------------------|----------------------|--|---|
| 1 | WAWA WAWK WAYF | West Aills, Wis, Kendallville, ind. Vero Beach, Fla. | 1590 1140 1370 | WROX | Terre Haute, Ind. Bogaiusa, La. Clarksburg, W.Va. | 1230 920 1400 | WCLE | Camilla, Ga. Jamestown, Tenn. Cleveland, Miss. | 1220 1260 1490 | WDIA | Memphis, Tenn, Clinchco, Va, Dothan AL | 1070 1430 1450 |
| | WAXX WAXX WAYR | Vero Beach, Fin. Georgetown, Ky. Chippewa Falls, Wis Waynesboro, Va. | 1580 - 1150 - 1490 | WBPZ | Lock Haven, Pa. Barceloneta, PR Mt. Clemens, Mich. | 1230 1160 1430 | WCLE | Cleveland, Miss. Cleveland, Tenn. Morgantown, W.Va. Corning, N.Y. | 1570 | - WDIX | Orangetjurg, S.C. Mt. Olive. N.C. Bridgenost Conn | 1150 1430 1530 |
| | WAYC | Bedford, PA Ozark AL Baitimore, Md. | 1600 1190 860 | WBRD | Bradenton, Fla. Wilkes-Barre, Pa. Lynchburg, Va. | 1420 1340 1050 | I WCLE | Cilinton, NC Janesville, Wis, Columbus, Ga. | 1170 1230 1580 | WDK! WDK! WDL | Kingstree, S. C. Dickson, Tenn. Walton, N.Y. | 1310 1260 1270 |
| | WAYK | Lehigh Acres, Fla. Rockingham, N.C. Orange Park, Fla. | 1440 900 550 | I WBRI | Indianapolis, Ind. Marietta, OH Pittsfield, Mass. | 1500 910 1340 | I WCLT | Newark, Ohio J Covington, Ky. V Mansfield, Q. | 1430 1320 1140 | WOLE | Marshfield, WI Port Jervis, N.Y. Delaware, Ohio | 1450 1490 1550 |
| | WAYS WAYT WAYX | Charlotte, N.C. ' Wabash, Ind. Wayeross, Ga. | 610 1510 1230 | WBRL | Berlin, N.H. Marion, N.C. | 1400 1250 1460 | WCM | A Corinth, Miss. B Harrisburg, Pa. C Wildwood, N.J. | 1230 1460 1230 | Whit | I E. Moline, III. Panama City, Fia. Indianola, Miss. E Dover-Foxeroft, Me. | |
| | WAYZ | Waynesboro, Pa. | 1380 860 1490 | WBRT WBRO WBRV | Big Rapids, Mich. Bardstown, KY Waynesboro, Ga. Boonville, N.Y. Somerville, N.J. | 1320 1310 900 | WCM WCM | O Cumberland, MD G Jacksonville, FL I Ashland, Kv. | 1230 1090 1340 | WDM WDM WDM | E Dover-Foxcroft, Me. G Douglas, GA I Marquette, Mich, P Dodgeville, Wis, V Pocomoke City, Me | 1340 860 1320 |
| | WAZF WAZS WAZY | Clearwater, Fla. Hazelton, Pa. Yazoo City, Miss. Summerville, S. C. Lafayette, Ind. | 1230 980 1410; | WBRX | Berwick, PA Wodbury TN | 1170 1280 1340 | WCM | N Arecibo, P.R. | 1280 1350 1220 | WDM! WDM! WDN(| P Dodgeville, Wis. V Pocomoke City, Mo Durham, N.C. E Elkins, W.Va. | 020 |
| | WBAG | West Larayette, Inc. | . 920\ 1340 1090 | W BSA W BSC W BSG | Boaz, AL Bennetsville, S.C. Blackshear, Ga. | 1300 1550 1350 | WCM WCM | Q Miami FL R Eikhart, Ind. S Norfolk, Va. I Martin, Tenn, | 1270 1050 1410 | WDN7 | Anniston, AL Dayton, Tenn. | 1240 1450 1280 |
| | WBAG WBAL WBAM | Barnesville, Ga. Burlington, N.C. Baltimore, Md. Montgomery AL Ft. Worth TX | 1150 1090 740 820 | WBSR | New Bedford, Mass. Pensacola, Fla. harlotte, N.C. | 1420 1450 1110 1490 | WCNI | y Ottawa, III B Connersville, Ind. C Elizabeth City. N.C | 1430 1580 1240 | WDOE | Prestonsburg, Ky, Chattanoona, Tenn, Dunkirk, N.Y. | 1310 1310 1410 |
| | WBAR | Bartow, Fla. Marion, Ind. | 1460 1400 | | Batavia, N.Y. Uhrichsville, O. Windsor, N.C. Williamson, WV | 1540 990 1400 | WCNI | O Shelbyville, Ky. I Quincy, Fla. . Newport, N. H. | 940 1230 1010 930 | WDOL | 3 Allendale, S.C. . Athens, Ga, 1 Wheaton, Md, 3 Sturgeon Bay, Wis, | 1450 1470 1540 910 |
| | WBAX, | Barnwell, S.C. Wilkes-Barre, Pa. Pittsfield, III. | 740 1240 15 80 | WBTM WBTN | Danville, Va. Bennington, Vt. Linton, Ind. | 1330 1370 1600 | WCN | R Bloomsburg, Pa. J Crestview, Fla. W Fairfield, O. K Middletown, Conn. | 101 0 1560 1150 | WDDS | Oneonta, N.Y. / Dover, Del. Burlington, Vt. | 730 1410 1400 |
| 1 | N.C. WBBF | Burlington-Graham, Rochester, N.Y. Abingdon, Va. | 920 950 1230 | WBTS WBTX VA | Bridgeport, AL Broadway-Timberville | 1460 | WCOA | Pensacola, Fla. Meridian, Miss. Greensboro, N.C. | 1370 910 1320 | VOOW 100W | V Dowagiac, Mi I DuQuoin, III, C Hartford, Conn. | 1440 1580 1360 |
| | WBBK | Blakely, Ga. Richmond, Va. | 1260 1480 780 | WBUD WBUD WBUG | Buckhannon, W.Va. Trenton, N.J. Ridgeland, S.C. | 1460 1260 1430 | MCO1 | i Newnan, Ga. Coatesville, Pa. Canarta N.C. | 1400 1420 1060 | WDS0 WDS0 | Dillon, S.C. Dyershurg, Tenn. Cleveland, Miss. | 800 1450 1410 |
| | WBB0 WBBQ WBBR | Chicago, III. Forest City, N.C. Augusta, Ga. Travelers Rest, S.C. | 780 1340 1580 | WBUK | Portage MI | 1560 1220 1050 | WCON | . Columbus, Ohio I Cornella, Ga. P Boston, Mass | 1230 1450 1150 | WDSL | Mocksville, N. C. 1 Superior, Wis, 1 Lake City, Fia, 1 New Orleans, La, | 1520 710 1340 1280 |
| | WBBS WBBT WBBW | Jacksonville, N.C. Lyons, Ga. Voungstows, Ohio | 1290 1340 1240 | WBUX WBUY WBUZ | Butter, Pa. Doylestown, Pa. Lexington, N.C. Fredonia, N.Y. Utlea, N.Y. Beaver Falls, Pa. | 1570 1440 1570 | WCOS | ? Lebanon, Tenn. 5 Columbia, S.C. J Lewiston, Maine | 900 1400 12 40 | Whi | New Orleans, La, Selmer, Tenn, Gainesville, Ga, K Waupaca, Wis, | 1240 |
| | WBBX | Portsmouth, N.H. | 1380 1230 1110 | WDIE | Calera AL | 1550 1230 1370 | | / Montgomery AL V Sparta, Wis. C Camden AL | 1170 1290 1540 | Whu2 | K Waupaca, Wis. K Green Bay, Wi A Danville, Va. H Gainesville, Fla. | 800 1400 1250 |
| | WBCB WBCH WBCI | Bay Minette AL Levittown, Pa. Hastings, Mich. Williamsburg, Va. | 1490 1220 740 | WBZ B WBZA | Canton, III, oston, Mass. Glens Falis, N.Y. | 1560 1030 1410 | WCPA WCPA | Columbia, Pa. Clearfield, Pa. Houston, Miss. Etowah, Tenn, | 1580 900 940 1220 | WDVL | Vineland, N.J. D Dawson, Ga, S Champaign, III. | 980 1270 990 1400 |
| | | Williamsburg, Va. Battle Creek, Mich. Bay City, Mich. Bucyrus, Ohio | 930 !440 !540 !460 | WRZQ | Selma, NC Greenville, MS New Castle, Pa. Rutherfordton, N.C. | 1090 1550 1140 590 | WCP | Cumberland Kv. | 1600 1280 1450 | WDXI | 3 Chattanooga, Tenh. 5 Lawrenseburg, Tenn | 1490 |
| | WBCW | Union, S.C. Jeanette PA. Escanaba, MI Pittsfield, Mass. | 1530 500 1420 | WCAL WCAL | Fort Myers, Fla. Northfield, Minn. Camden, N.J. | 1350 770 1310 | I WCRA | R Coamo, P. R. Tarboro, N.C. A Effingham, 111. E Cheraw, S.C. Scottsboro AL | 7 60 1090 1420 | WDXI | Jackson, Tenn, Lexington, Tenn, V Clarksville, Tenn, R Puducah, Ky, | 1490 540 15 6 0 |
| | WBEE | Harvey, III. Elizabethton, Tenn. | 1570 1240 | 1 WCAO | Baltimore, Md. Lowell, Mass. Detroit, Mich. | 600 980 1130 | WCR | (Morristown, Tenn, | 1050 1150 1570 | WDXY WDY WDZ | / Sumter, S.C. (Puford, GA Decatur, III, | 1240 1460 1050 |
| | WBEN | So. Beloit, III. Buffalo, N.Y. Moneks Corner, S.C. Brockton, Mass. | 1380 930 950 1460 | WCAS WCAT WCAU | Cambridge, Mass. Orange, Mass. Phitadeiphia. Pa. | 740 1390 1210 | WCR | W Clare MI | 990 1230 1450 | | Greer, S.C. Gaffney, S. C. Aleoa, Tenn, | 800 (800 (470 |
| | WBEV WBEV WBEX | Beaufort, S.C. Beaver Dam, Wis. Chilileothe, Ohio | 960 1430 1490 | WCAW | Charleston, WV Cayee, S.C. Carthage, III. Corning, N.Y. | 680 620 990 | | Greenwood, S.C. Birmingham AL Washington, N.J. Chleago, III. | 1260 1580 1240 | WEAL | Greensboro, N.C. Arlington, Va. | 1510 1390 790 |
| | WBFD | Stanton, KY Bedford, Pa. | 1470 1310 15 0 0 | WCBC | Cumberland, MD Chambersburg, Pa. | 1350 1270 1590 | WCSA WCSC WCSC | M Chicago, III. Macon, Ga. Ripley, Mass. Charleston, S.C. Portland, Maine | 900 1260 1390 970 | WEAG | Providence, R.I. Eau Claire, Wis. Savannan, Ga. W. Palm Beach, Fl. Plattsburg, N.Y. | 790 I |
| | WBGC WBGN WBGR | Chipley, Fla. Bowling Green, Ky. Paris KY Tullahoma, TN | 1240 1340 1440 | I WCBL | Columbus, Miss. Martinsville, Ipd. Benton, Ky. Baltimore, Md. | 550 1540 1290 680 | WCSI WCSI WCSI | Columbus, Ind. Morris, III. Chernoville N. C. | 1010 1880 1890 | MERE | V Evanston, III. I Baitimore, Md. | 1360 |
| | WBHC | Hampton, S.C. | 740 1240 1270 1450 | WCBQ WCBR | Oxford NC Richmond, Ky. New York, N.Y. | 1340 1110 880 | WCSN | M Celina, Ohlo Hillsdale, Mich, Amsterdam, N.Y. Berkeley Springs, | 1350 1340 1490 | WEBU | Duluth, Minn. Brewton AL Owego, N.Y. Harrisburg, III. | 560 1240 1330 1240 |
| | WBHF | Cartérsville, Ga. Birmingham, Ala. Bryson City, N. C. Huntsville AL | 1450 1550 1590 1230 | WCBX | Roanoke Rapids, NC Eden, N.C. Cheboygan, Mich. | 1230 1130 1240 | 1 W.V | /m. | 1010 1490 940 | WEBS | l Harrisburg, III. Buffalo, N.Y. Calhoun, Ga. Łau Cłaire, Wis. | 970 1110 1050 |
| | WBHT WBIA | Brownsville, Tenn. Augusta, Ga. Centraville AL | 1520 1230 1110 | WCCF WCCM | Hartford, Conn. Punta Gorda, Fla. Lawrence, Mass. | 1290 1580 800 | 1 44 (2.1.1) | / Crossville, TN V Shell Lake, Wis, New Brunswick, N.J I Eaton, Ohlo I Potomae- | 1130 1 | WECO | Wartburg, TN 'Carthage, MS | 940 1480 1240 |
| | WBIE | Marietta, Ga. | 1080 1470 580 | WCCN | Neilisville, Wis. | 1370 830 | Cab WCTF WCTT | in John MD Chestertown MD Corbin, Ky. | 1300 1530 680 \ | WEDU | ; Chicago, III. i Sociay, Tenn. i McKeesport, Pa. i Soutnern Pines, N.(| 1240 810 |
| | WBIP I WBIR I WBIS E | Tuskegee AL Booneville, Miss, Knoxville, Tenn. Bristof, Conn. Adel, Ga. Bedford, Ind. Jacksonville Beach, | 1400 1240 1440 1470 | WCCR | Minneapolis-St. Paul, Clemson, S.C. Urbana, III. Traverse City, Mieh. New Smyrna Reach, FL | 1580 1580 1310 | WCTV WCUI | V New Castle, Ind. 3 Manitowee, Wis. 5 Cuyahoga Falis, Ohi | 680 1550 980 o 1150 | MEE! MEE! MFF! | Hoeky Mount. N.C. Waynesboro, Pa. Boston, Mass. | 1390 1130 590 1310 |
| | WBIW WBIX | Nder, Ga. Bedford, Ind. Iacksonville Beach, | 1340 1340 | WCDI | Edenton, N.C. | 1260 1440 1220 | WCU2 WCV2 | G Cuthbert, Ga. Grand Rapids M! Culpeper, Va. | 850 1230 1490 | WEEL WEEP | Fairfax, Va. Latayette, Tenn. Pittsburgh, Pa. | 1310 1460 1080 |
| | WRIZ E | Sau Claire, Wis. | 1400 1400 1560 | WCDS WCDT WCEC | Hamden, Conn. Glasgow, Ky. Winchester, Tenn. Rocky Mount, N.C. | 1440 1340 810 | WCVI WCVI | Connectivitie, Pa. Crawfordsville, Ind. Murphy, N.C. Randolph V* | 1340 1550 600 | WEEL | Warrenton, Va. Hiehmond, VA Reading, Pa. V Washington | i 460 I 080 I 250 I 320 850 |
| | WBKH WBKN WBKV | Hattiesburg, Miss. Newton, Miss. West Bend, Wis. | 950 1410 1470 | WCED WCEH WCEM | Rocky Mount, N.C. DuBols, Pa. Hawkinsville, Ga. Cambridge, Md. Mt. Pleasant, Mich. | 1420 - 610 1240 | WCW. | N Potomae- in John MD Chestertown MD Chestertown MD Corbin, Ky. V New Castle, Ind. 3 Manitowoe, Wis. E Cuyahoga Falis, Ohi 3 Cuthbert, Ga. E Grand Rapids Mi Culpeper, Va. Connelisville, Pa. Crawfordsville, Ind. Murphy, N.C. Randolph, Vt. 3 Springfield, Ill. A Toledo, O. C Ripon, Wis. Filnt Mt Judiana, Pa. | 1820 1450 1230 1600 | WEEZ WEEZ WEGA | Southern Pines, N.C. Waynesboro, Pa.C. Waynesboro, Pa. Boston, Mass. Fairfax, Va. Larayette, Tenn. Pittsburgh, Pa. Warrenton, Va. Hielmond, VA Reading, Pa. Washington, N.C. Easton, Pa. Chester, Pa. Vega Baja, P. R. Rose Hill, N.C. Concord, N.C. Concord, N.C. | 1320 1230 1590 1350 |
| | WBLB I | Elizabethtown, N.C. Pulaski VA Lenoir City, Tenn. | 1440 1510 1360 | WCER WCFL | Mt. Pleasant, Mich. Charlotte, Mich. Chicago, III. | 1150 1390 1000 | WCY! WCZN WDAI | Cynthiana, Ky. Filmt Mi Dindiana, Pa. | 1400 1570 1450 | WEGO WEGO | Rose Hill, N.C. Concord, N.C. Presque Isle, Maine | |
| | WBLF I | Batesville, Miss. Bellefonte, Pa. Lexington, Ky. | 1290 970 1300 1230 | WCGB WCGC | Charlotte, Mich. Chicago, III. Springfield, Vt. Pastillo, P. R. Belmont, N.C. | 1480 1050 1270 1360 | W DAI W DAI | Tampa, Fia. F Kansas City, Mo. K Clumbus, Ga. | 1250 610 540 | WEH! WEIC | l Elmira Heights- ieheads, N.Y. Charleston, III. | 1590 1270 |
| | WBLO WBLR I | Lemmon, S. D. Chardon, O. Hattlesburg, Miss, Newton, Miss, West Bend, Wis, Elizabethtown, N.C. Pulaski VA. enoir City, Tenn, Batesville, Miss, Ballefonte, Pa. Lexington, Ky. Jalton, Ga. Evergreen AL Batesburg, S.C. Bedford, Va. Selem, Va. | 1470 1430 | WCGO WCGR | Jacksonville, FL Chicago Hghts., III. Canandalgua, N.Y. Chambersburg, Pa. Inkster, Mieh. Westuhester, Pa. Gnillicothe, Ohlo Brookhaven, Miss. Canton, Ga. Chapel Hill, N.C. Norwieh, N.Y. Washington Court, Ohlo | 1550 1550 800 | WDA! WDA! WDA! | Fint Mi, Pa. Fint Mi, Pa. Tampa, Fia. Kansas City, Mo. Clumbus, Ga. Meridian, Mis. Darville, Ill. Darlington, S.C. Philadelphia, Pa. Ground Beach, Fia. Kansas, Meridian, Mis. Delray Beach, Fia. Stringfield, Tona. Statesville, N.C. Orlando, Ffa. Duedin Ffa. Duedin Ff. Duedin FL. Hanover, N.H. | 1330 1490 1350 | WEIN WEIN WEIN | i Hose Hill, N.C.) Concord, N.C. Presque Isle, Maine I Elmira Heights- scheads, N.Y. Charleston, III. Moundsville, W. Va. Fitchburg, Mass. Werton, W.Va. Contre AL Sersnton, Pa. | 1370 1280 1430 990 |
| | WBLU S WBLW WBLY S | Balem, Va. Royston, Ga. Springfield, Ohlo | 1480 810 1600 | WCHE WCHE WCHI | Inkster, Mich. Westehester, Pa. Chillicothe, Ohlo | 1440 1 520 1350 | WDA: WDA: WDA: | F Ormond Beach, Fla. K McRae, Ga. Fargo, N. Dak. | 1460 1380 1410 970 | WEJL WEKO WEKO | Seranton, Pa. i Jackson, Ky. i Cabo Rojo, P.R. | 810 930 |
| | WBMB WBMC | Beaufort, N.C. West Branch, MI McMinnville, Tenn. | 1400 1060 960 750 | MCHF MCHK MCH1 | Brookhaven, Miss. Canton, Ga. Chapel Hill, N.C. | 1290 1360 | WDB0 WDB1 | Escanaba, Mich. F Deiray Beach, Fia. Springfield, Tenn. | 680 1420 1590 | WEKE WEKZ | Fayetteville, Tenn. Richmond, Ky. Monroe, Wis. | 1240 1340 1260 (350 |
| | WBME WBMI | Baitimore, Md. Belfast, Me. San Juan, P. R. Wast Point Co | 750 1230 1190 1310 | WCHO House | Washington Court Ohio | 970 1250 1360 | WDBI WDBI | w Statesville, N.C. D Orlando, Fla. 1 Dubuque, Iowa | 550 580 1490 | WELD WELD | Welch, W.Va, Fisher, W.Va, | 1150 |
| | WBML WBMS WBMC | Bedford, Va. Salem, Va. Royston, Ga. Royston, Ga. Spyringfield, Ohlo Beaufort, N.C. West Branch, MI MeMinnville, Tenn. Baltimore, Md. Belfast, Me. San Juan, P. R. West Point, Ga. Maeon, Ga. Black Mountain, N.C. Conway, N.H. | 1240 1350 1050 | WCH8 WCH8 | Washington Court, , Ohlo Camuy, P.R. Charleston, W.Va. Charlottesville, Va. Juncos, PR Jarbondale, III. Cinelnnati, Ohlo Bockley, W. Va. Lima, Ohlo Columbla, Miss. Warsaw NY Dunn, N.C. Mitton, FL. | 580 1260 | WDCI | Dunedin FL Hanover, N.H. Greenville Miss | 1350 1470 1340 | WELK | Centre AL. Va. Seranton, Pa. Jackson, Ky. Cabo Rojo, P.R. Fayetteville, Tenn. Richmond, Ky. Monroe, Wis. Elba AL. Wolch, W.Va. Fisher, W.Va. Fisher, W.Va. Charlottesville, Va. Elmira, N.Y. Tupelo, Miss. Easley, S.C. Roanoke AL. Kinston, N.C. Etilenville, N.Y. Willoughby, O. Xenta, O. | 690 1590 960 1010 |
| | | | 1540 1520 1260 | WCIN WCIR | Jarbendale, III. Cincinnati, Ohio Beckley, W. Va. | 1460 1020 1480 1070 | WDE! | Y Gloucester, Va. A Elisworth, Me. B Jamestown Tenn | 900 1420 1370 1500 | WELP | Tupelo, Miss, Easley, S.C. Roanoke AL | 1010 1410 580 1360 1360 |
| | WBNS (WBNT (WBNV | Columbus, Ohio Dnoida, Tenn Buena Vista, VA | 1460 1310 1270 | MC1M MC1D MC1L | ima, Ohio Columbia, Miss, Warsaw NY | 940 1450 1140 780 | WDE | Americus, Ga E Detroit, Mich. F Chattanooga, Tenn | 1290 1500 1370 | WELS WELV WELV | Kinston, N.C. Ellenyille, N.Y. Willoughby, O. | 1330 |
| | WBNX WBOB WBOC | Boonville, Ind. Bryan, Ohlo Beasen, N.Y. Celumbus, Ohlo Dneida, Tenn, Buena Vista, VA New York, N.Y. Galax, Va. Salisbury, Md. New Crisens I a | 1380 980 | WCKB WCKC WCKI | Dunn, N.C. Milton, FL Greer, S.C. | 1490 | WDE | Dunedin FL R Hanover, N. H. G Greenvile, Miss. G Greenvile, Miss. G Glouester, Ve. Elisworth, Me. Jamestown, Tenn. Jamestown, Tenn. Chattanoogs, Tenn. Sweetwater, Tenn. Wilmington, Del. Macon, Ga. Waterbury, Vt. W Westfield, Mass. Douglasville, Ga. | 800 1150 1500 | WELX | Xenia, O. Ely, MN Belzoni, Miss. 3 Erwin, Tenn. D Easton, Md. | 1110 1450 1460 1420 |
| | WBOK I WBOL I | New Orleans, La. Bollvar, Tenn. Baraboo, Wis. Pensacola, Fla. | 1280 1560 740 980 | WCKY WCKY | Bunn, N.C. Milton, FL Greer, S.C. Catskill, N.Y. Winnsboro, S.C. Cincinnati, Ohio Claxton, Ga. | 560 1250 1530 1470 | WDE! WDE! WDG! | / Waterbury, Vt. // Westfield, Mass. L Douglasville, Ga. / Minneapolis, Minn. | 550 1570 1520 | WEWI | B Erwin, Tenn. D Easton, Md. Laconia, N.H. P Milwaukee, Wis. | 1420 1460 1490 1250 |
| , LKA I | | Pensacoia, PIA. IONS WORLD/F | | intor 10 | 76 | 14/0 | , Mng, | i minereaports, Minn. | 1130 | W C M F | milwaukee, Wis. | 1230 |

| Call Location | kHz | Call Location | kHz | Call Location kt | Hz | Call Location kHz |
|---|-----------------------------|---|---------------------------------------|---|--------------------------|---|
| WENC Whiteville, N.C. WEND Ebensburg, Pa. | 1220 1580 | WFRM Coudersport, Pa. WFRO Fremont, Ohlo | 600 900 | WGUL New Port Richey, Fia. 150 WGUN Atlanta GA 101 | 0 | WHWB Rutland, Vt. 1000 WHWH Princeton, N.J. 1350 WHYD Columbus. Ga. 1270 |
| WENE Endicott, N.Y. WENG Englewood, Fla. WENK Union City, Tenn. | 1430 1530 1240 | WFRX West Frankfort, III. WFSC Franklin, N.C. WFSH Valparaiso, Fla. | 1300 1050 1340 | WGUS North Augusta, 8.C. 138 WGUY Bangor, Malne 125 WGVA Geneva, N.Y. 124 WGVM Greenville, Miss. 126 WGWC Selma, Ala, 134 | 10 | WHYL Carlisle, Pa. 960 WHYN Springfield, Mass. 560 |
| WENN Birmingham, AL WENO Madison, Tenn. WENR Englewood, Tenn. | 1320 1430 1090 | WFSO Pinellas, Fla. WFSP Kingwood, W. Va. WFSR Harlan, KY | 570 1560 1470 | | 10 | WHYP North East, Pa. 1530 WHYT Noblesville, Ind. 1110 WHYZ Greenville, S. C. 1070 |
| WENT Gloversville- | 1340 1230 | WFST Carlbou, Maine WFTC Kinston, N.C. WFTG London, Ky. | 600 960 (400 | WGY Schenectady, N.Y. 81 WGYV Greenville AL 138 WHA Madison, Wis. 97 | 0 | WHZN Hazleton, Pa. 1300 WIAC San Juan, P.R. 740 WIAD Jacksonville, FL. 1530 |
| WENY Elmira, N.Y. WENZ Highland Springs, Va. WEOK Poughkeepsie, N.Y | 1450 | WFTL Ft. Lauderdale, Fla. WFTM Maysville, Ky. WFTN Franklin, N.H. | 1400 1240 | WHAG Halfway, Md. 141 | 10 | WIAF Clarksville, GA 1500 WIAM Williamston, N.C. 900 WIBA Madison, Wis. 1310 |
| WEOL Elyria, Ohio WEOO Smithfield, VA WEPA Eupora, MS | 930 940 710 | WFIN Franklin, N.H. WFTO Fulton, Miss. WFTP Ft. Pierce, FL WFTR Front Royal, Va. | 1240 1330 1330 | WHAL Shelbyville, Tenn, 140 WHAM Rochester, N.Y. 118 WHAN Heines City, Fla. 93 | 30 / | WIBB Macon, Ga. 1280 WIBC Indianapolis, Ind. 1070 WIBG Philadelphia, Pa. 990 |
| WEPG S. Pittsburgh, Tenr WEPM Martinsburg, W.V. | 1. 910 1. 1340 1220 | WFIK Front Royal, Va. WFTW Ft. Watton Beach, Fla. WFUL Fulton, Ky. | 1450 1260 | WHAR Clarksburg, W.Va. 134 | 10 | WIBM Jackson, Mich. 1450 WIBR Baton Rouge, La. 1300 |
| WEQO Whitley City, KY WERA Plainfield, NJ WERC Birmingham AL | 1590 960 1400 | WFUN Miami, Fla, WFUR Grand Ranids, Mich | 790 790 . 1570 | WHAS Louisville, Ky, 64 WHAT Philadelphia, Pa, 134 WHAV Haverhill, Mass. 149 WHAW Weston, W.Va, 98 WHAZ Troy, N.Y. 133 | 90 | WIBU Poynette, Wis. 1240 WIBV Belleville, III. 1260 WIBW Topeka, Kans. 580 WIBX Utica, N.Y. 950 |
| WERD Jacksonville, FL WERE Cleveland, Uhlo WERH Hamilton, AL WERI Westerly, R.1. | 1300 970 1230 | WFVA Fredericksburg, Va. WFVR Aurora IL WFWL Camden, Tenn. | 1580 1220 | WHAZ Troy, N.Y. 133 WHB Kansas City, Mo. 71 WHBB Selma AL 149 | 30 | WICE Providence, R1 1290 |
| WERK Muncie, Ind. WERL Eagle River, Wis. WERT Van Wert, Ohio | 990 950 1220 | WFWR Ft. Wayne, Ind. WFYC Aima, Mich. WGAA Cedartown, Ga. | 1090 12 6 0 1340 | WHBC Canton, Ohio 148 WHBF Rock Island, III. 127 | 80 70 | WICH Norwich, Conn. 1310 WICK Scranton, Pa. 1400 WICO Salisbury, Md. 1320 WICY Malone, N.Y. 1490 |
| WESA Charleroi, Pa. WESB Bradford, Pa. WESC Greenville, S.C. | 940 1490 660 | WGAC Augusta, Ga. WGAD Gadsden AL WGAF Valdosta, Ga. | 580 13 5 0 910 | WHBL Sheboygan, Wis. 133 WHBN Harrodsburg, Ky. 142 WHBO Tamps, Fig. 105 | 30 | WIDE Biddeford, Maine 1400 WIDD Elizabethton, Tenn, 1520 |
| WESL E. St. Louis IL WESO Southbridge, Mass. WESR Tasley, Va. | 1490 970 1330 | WGAI Elizabeth City, N.C. WGAL Lancaster, Pa. WGAN Portland, Maine | 560 1490 560 | WHBQ Memphis, Tenn. 56 WHBT Harriman, Tenn. 160 WHBU Anderson. Ind. 124 | 80 00 40 | WIDH Fovetteville N.C. \ 1600 |
| WEST Easton, Pa. WESX Salem, Mass. WESY Leland, Miss. | 1400 1230 1580 | WGAP Maryville, Tenn, WGAR Cleveland, Ohio WGAT Gate City, Va. | 1400 1220 1050 | WHBY Appleton, Wis, 123 WHCC Waynesville, N.C. 140 WHCO Sparta, III. 123 | 30 00 | WIEL Elizabethtown, Ky. 1400 WIFF Auburn, Ind. 1570 WIFM Elkin, N.C. 1540 WIGG Wiggins, Miss. 1420 |
| WETB Johnson City, Tenn WETC Wendeil-Zebulon, N WETE Knoxville TN | 790 i.C. 540 620 | WGAU Athens, Ga. WGAW Gardner, Mass. WGAY Sliver Spring MD WGBB Freeport, N.Y. | 1340 1340 1 0 50 1240 | WHCU Ithaca, N.Y. 87 WHDF Houghton, Mich. 140 WHDH Boston, Mass. 80 | 00 | WIGG Wiggins, Miss. 1420 WIGM Medford, Wis. 1490 WIGO Atlanta, Ga. 1340 WIGS Gouverneur, N.Y. 1230 |
| WETU DeLand, Fla. WETU Decan City, Md. WETU Wetumpka AL | 1490 1590 1250 | WGBF Evansville, Ind. WGBG Greensboro, N.C. | 1280 | WHOL Clean, N.Y. 145 | 50 | WIID Garden City, Mich. 1090 WIIN Atlanta, Ga. 970 WIND Iron River Mich. 1230 |
| WEIZ New Martinsville, West Virginia WEUC Ponce, P.R. | 1330 1420 | WGBI Scranton, Pa. WGBR Goldsboro, N. C. WGBS Mlami, Fia. | 910 1150 710 1440 | WHEB Portsmouth, N.H. 75 WHEC Rochester, N.Y. 144 WHEE Martinsville, Va. 133 WHEL New Albany, Ind. 155 WHEN Syracuse, N.Y. 66 | 80 70 | WIKC Bogalusa, La. 1490 WIKE Newport, Vt. 1490 WIKI Chester, Va. 1410 |
| WEUP Huntsville AL WEVA Emporia, Va. WEVD New York, N.Y. | 1600 860 1330 | WGCB Red Llon, Pa. WGCD Chester, S.C. WGCH Greenwich, Conn. | 1490 | WHED Stuart, Va. 124 | 20 70 | WIL St. Louis, Mo. 1430 WILA Danville, Va. 1580 |
| WEVE Eveleth, Minn. WEVR River Falls, Wis. WEW St. Louis, Mo. | 1340 1550 770 | WGCM Gultport, Miss. WGEA Geneva AL WGEE Green Bay, WI | 1240 1150 1360 | WHET Waltham, MA 13 WHEX Columbia, Pa. 158 WHEB Benton Harbor-St. | 30 | WILE Cambridge, Ohio 1270 WILI Willimantie, Conn. 1400 |
| WEWO Laurinburg, N.C. WEX! Jacksonville, FL WEXL Royal Oak, Mich. WEXM Jamesville, VA | 1080 1280 1340 | WGEE Green Bay, WI WGEM Quincy, III. WGEN Geneseo IL WGET Gettysburg, Pa. | 1440 1500 1320 | Joseph, Mieh, 100 WHGR Houghton L., Mieh. 129 WHKH Warren, Ohio 144 | 60 90 40 | WILK Wilkes-Barre, Pa. 980 WILL Urbana, III. 580 |
| WEXM Jamesville, VA WEXT W. Hartford, Conn. WEXY Oakland Park. Fia. | 1520 | WGEZ Beloit, Wis. WGFA Watseka, III. WGFS Covington, Ga. | 1490 1360 1430 | FL 115 WHHM Henderson, Tenn. 15 | 80 | WILO Frankfort, Ind. 1570 WILS Lansing, Mich. 1320 WILY Centralia, III, 1210 |
| WEYE Sanford, N.C. WEYY Talladega, AL WEZE Boston, Mass. WEZJ Williamsburg, Ky. | 1290 1580 1260 | WGFT Youngstown, OH WGGA Gainesville, Ga. WGGG Gainesville, Fla. | 1500 550 1230 | WHHO Hornell, N.Y. 133 WHHT Lucedale, Miss. 14 WHHV Hillsville, Va. 144 WHHY Montgomery AL 14 | 40 | WIMO Winder, Ga. 1300 WIMS Michigan City, Ind. 1420 |
| | 1440 | WGGH Marion, III, WGGO Salamanea, N.Y. WGH Newport News, Va. | 1150 1590 1310 | WHIC Hardinsburg, Ky. 157 WHIE Griffin, Ga. 137 | 20 20 | WINA Charlottesville, Va. 1070 WINC Winchester, Va. 1400 WIND Chicago, III. 560 WINE Brookheld, Conn. 940 |
| WEZY Cocoa Beach, FL WFAA Dallas-Ft. Worth WFAD Middlebury, Vt. WFAG Farmville, N.C. | TX 570 1490 1250 | WGHC Clayton, Ga. WGHN Grd, Haven, Mich. WGHQ Kingston, N.Y. | 1570 1370 920 | WHII Bay Springs, Miss. 153 WHIM Providence, R.I. 11 WHIN Gallatin, Tenn. 10 | 10 | WINF Manchester, Conn. 1230 WING Dayton, Ohio 1410 |
| WFAI Favetteville, N.C. | 1310 1230 | WGIC Xenia, O. WGIG Brunswick, Ga. WGIL Galesburg, III. WGIR Manchester, N.H. | 1500 1440 1400 610 | WHIN Gallatin, Tenn. 10 WHIO Dayton, Ohio 12: WHIP Mooresville, N.C. 13: WHIR Danville, Ky. 12: | 50 30 | WINI Murphysboro, III. 1420 WINK Fort Myers, Fla. 1240 |
| WFAR Farrell, Pa. WFAS White Plains, N.Y WFAU Augusta, Me. WFAW Ft. Atkinson. WI | 7. 1230 1340 | WGIR Manchester, N.H. WGIV Charlotte, N.C. WGKA Atlanta, Ga. WGKR Perry FL | 1600 1190 1310 | WHIR Danville, Ky. 12: WHIS Bluefield, W.Va. 14: WHIT New Bern, N.C. 14: WHIY Moulton, Ala. 15: | 50 30 | WINN Louisville, Ky. 1240 WINQ Tampa, Fla. 1010 WINR Binghamton, N.Y. 660 |
| WFAW Ft. Atkinson, WI: WFAX Falls Church, Va. WFBA San Sebastion, P.I WFBC Greenville, S.C. | R. 1460 | WGL Fort Wayne, Ind. WGLB Port Wash., Wis. WGLC Mendota, III. | 1250 1560 1090 | WHJC Matewan, W. Va. 13 | 20 60 | WINR Binghamton, N.Y. 660 WINS New York, N. Y. 1010 WINU Highland, III. 1510 WINW Canton, O. 1520 |
| WFBG Altoona, Pa. WFBL Syracuse, N.Y. WFBR Baltimore, MD | 1290 1390 1300 | WGLD High Point, NC WGLI Babylon, N.Y. | 1590 1290 | WHKY Hickory, N.C. 12 | 50 90 | WINX Rockville, Md. 1800 WINY Putnam, Conn. 1350 WINZ Miami, Fla. 940 |
| WFBS Spring Lake, N. C WFCM Winston-Salem, N. WFDF Flint, Mish. | C. 1550 910 1370 | WGMA Hollywood, Fla. WGMF Watkins Glen, N.Y WGML Hinesville, Gp | . 1500 990 | WHLB Virginia, Minn. WHLD Niagara Falls, N.Y. 12 WHLF South Boston, Va. WHLI Hempstead, N.Y. 14 WHLL Wheeling, W.Va. 18 | 70 00 00 | WIOD Miami, Fla. 610 WIOI New Boston, Ohio 1010 WION 10nla, Mich. 1430 WIOO Carlisle, Pa. 1000 |
| WFDR Manchester, Ga. WFEA Manchester, N.H. WFEB Sylacauga AL | 1370 1340 | WGMS Bethesda, Md WGN Chicago, III. WGNB Indian Rocks Beac | 720 h, | | 00 50 | |
| WFEC Harrisburg, Pa. WFFG Marathon, Fla. WFGL Fitchburg, Mass. | 1400 1300 960 | PL . | 1020 | WHLD Akron, Ohio WHLP Centerville, Tenn. 15 | 40 | WIOS Tawas City-East Tawas, Mich. WIOU Kokomo, Ind. WIP Philadelphia, Pa. WIPC Lake Wales, Fia. WIPC Lake Wales, Fia. WIPS Ticonderoga, N. Y. WIPS Ticonderoga, N. Y. WIPS Ticonderoga, N. Y. WIQT Horscheads, N. Y. WIRA Enterprise AL WIRB Enterprise AL WIRB City Company WIRC Hickory, N.C. WIRD Lake Placid, N.Y. WIRE Indianapolis, Ind. 1430 |
| WFGL Fitchburg, Mass. WFGN Gaffney, S.C. WFGW Black Mountains, N.C. | 1010 | WGNC Gastonia, N.C WGNE Panama City Beach, Fja. WGNG Pawtucket RI WGNI Wilmington, N.C. WGNS Murfreesboro, Tenn WGNT Huntington, W.Va. | 1480 550 1450 | WHLT Huntington, Ind. 13 WHLW Lakewood, N.J. 11 WHMA Anniston AL 13 | 70 | WIPC Lake Wales, Fla. 1280 WIPR San Juan, P.R. 940 WIPS Tieonderoya, N.Y. 1280 WIQT Horscheads, N.Y. 1000 WIRA Ft. Pierce, Fla. 1400 |
| WFHG Bristol, Va. WFHK Pell City AL WFHR Wis. Rapids, Wis | 980 1430 . 1320 | WGNS Murfreesboro, Tenn. WGNT Huntington, W.Va. | 930 920 | WHMI Howell, Mich, 13 WHMP Northampton, Mass. 14 | 50 | WIRB Enterprise AL 600 WIRC Hickory, N.C. 630 |
| WFIA Louisville, Ky. WFIC Collinsville, Va. WFIF Milford, Conn. | 900 1530 1500 1290 | WGNY Newburgh, N.Y. WGOC Kingsport, Tenn. | 1220 1090 1590 | WHN New York, N.Y. 10 WHNC Henderson, N.C. 8 WHND Monroe, MI 5 | 150 190 560 | WIRD Lake Placid, N.Y. 920 WIRE Indianapolis, Ind. 1430 WIRJ Humboldt, Tenn. 740 WIRK W. Palm Beach, Fla. 1290 |
| WFIA Louisville, Ky. WFIC Collinsville, Va. WFIF Milford, Conn. WFIG Sumter, S.C. WFIL Philadelphia, Pa. WFIN Findlay, Ohio WFIR Roanoke, Va. WFIS Fountain Inn. S.C. WFIV Kissimmee, Fla. WFIV Kissimmee, Fla. | 560 1330 960 | WGNT Huntington, W.Va. WGNU Granite City, III. WGNY Newburgh, N.Y. WGOC Kingsport, Tenn. WGOE Richmond, Va. WGOG Walhalla, S.C. WGOH Grayson, Ky. WGOK Mobile AL. WGOM Marion, Ind. | 1000 1370 900 | WHOA San Juan, P.R. 8 | 250 140 170 | WIRL Peoria, III. 1290 WIRD Ironton, Ohio 1230 |
| WFIS Fountain inn, S.C. WFIV Kissimmee, Fla. | 1600 1080 1390 | WOOV V-IdA- C- | 1400 | WHOC Philadelphia, Miss. 14 WHOD Jackson, AL 12 WHOK Lancaster, Ohio 13 | 190 130 120 | WIRV Irvine, Ky. 1550 WIRY Plattsburg, N.Y. 1340 WIS Columbia, S.C. 560 WISA Isabelia, P.R. 1390 |
| WFIW Fairfield, III. WFIX Huntsville AL WFKN Franklin, Ky. WFKY Frankfort, Ky. | 1450 1220 1490 | WGOV Waldosta, da. WGOW Chattanooga, TN WGPA Bethlehem, Pa. WGPC Albany, Ga. WGR Buffalo, N.Y. WGRA Cairo, Ga. WGRD Grand Rapids. Mic | 1150 1100 1450 | WHON Centerville, Ind. | 300 330 390 | WISE Asheville, N.C. 1310 WISE Asheville, N.C. 1310 WISE Asheville, N.C. 1310 WISE Shamokin, Pa. 1480 |
| WFLA Tampa, Fla. WFLB Fayetteville, N.C. | 970 1490 | WGR Buffalo, N.Y. WGRA Cairo, Ga, WGRD Grand Rapids, Mic | 550 790 h, 1410 | WHOS Decatur AL WHOT Campbell, Ohio | 30 300 330 | WISM Madison, Wis. 1480 WISM Milwaukee, Wis. 1130 WISO Ponce, P.R. 1280 |
| WFLI LOUNGE MOONTAIN- Chattanooga TN WFLN Philadelphia, Pa. WFLO Farmville, Va. WFLR Dundee, N.Y. WFLS Fredericksburg, Va WFLW Monticello, Ky. WFMC Goldsboro, N.C. WFMD Frederick. Md. | 1070 900 870 | WGRG Pittsheid, MA WGRI Griffin, Ga. WGRK Greenshurg, KY | 1110 1410 1550 | WHOU Houlton, Maine 13 WHOW Clinton, 1L WHOY Salinas, PR. | 340 520 210 | WISP Kinston, N.C. 1230 WISR Butler, Pa. 680 WISS Berlin, Wis. 1090 |
| WFLR Dundee, N.Y. WFLS Fredericksburg, Va WFLW Monticello, Ky. | 1570 1350 1360 | WGRO Lake City Fla | 960 940 | WHP Harrisburg, Pa. WHPA Honesdale PA WHPB Belton, S.C. | 580 590 390 070 | WIST Charlotte, N.C. 1240 WISV Virouqua, Wis. 1360 WISZ Gian Burala Md 5590 |
| | 1460 | WGRP Greenville, Pa. WGRV Greeneville, Tenn. WGRY Grayling, Mich. WGSA Ephrata, Pa. | 1340 1590 1310 | WHPE High Point, N.C. 10 WHPL Winchester, Va. 6 WHPY Clayton NC | 610 590 | WISZ Gien Burnle, Md. 1590 WITH Baitimore, Md. 1230 WITL Lansing, Mich. 1010 WITN Washington, N.C. 930 |
| WFMH Cullman, AL WFMJ Youngstown, Ohlo WFMO Fairmont, N.C. WFMW Madisonville, KY | 1390 660 | WGSB Geneva, III. WGSE New Bern NC WGSM Huntington, NY WGSO New Orleans LA | 1480 1380 740 | WHSC Hartsville, S.C. | 450 490 | WIRC Hickory, N.C. \$30 |
| WFMW Madisonville, KY WFNC Fayetteville, N.C. WFNL North Augusta, SC WFOB Fostoria, Ohio | 940 1600 1430 | WGSO New Orleans LA WGSR Millen, Ga. WGST Atlanta, Ga. WGSV Guntersville AL | 1280 1570 920 | WHSY Hattlesburg, Miss. 12 | 910 230 450 410 | WIVK Knoxville, Tenn. 850 WIVS Crystal Lake, III. 850 WIVV Viegues, P.R. 1370 |
| WFNL North Augusta, SC WFOB Fostoria, Ohio WFOM Marietta, Ga. WFOR Hattlesburg, Miss WFOY St. Augustine, Fla | 1230 1400 1. 1240 | WGTA Summerville, Ga. | 950 870 | WHITH Heath, O. WHUB Cookeville, Tenn. | 000 400 230 | WIXE Monroe, N.C. 1190 WIXI Laneaster, Kv. 1280 |
| WFOY St. Augustine, Fla WFPA Fort Payne AL WFPG Atlantic City, N.J WFPM Fort Valley, Ga. | 1400 1. 1450 1150 | WGTM Wilson, N.C. WGTN Georgetown, S.C. WGTO Cypress Gardens, F WGTR Natick, Mass. | 1400 1a. 540 1060 | WHUM Reading, Pa. II | 240 150 470 | WIXN Dixon, III. 1460 WIXN Fort Lauderdale, Fia. 1520 |
| WERA Franklin Pa | 1450 560 | WGTW Mt. Dora, FL. WGTX DeFuniak Springs, Fla. | 1580 | WHVL Hendersonville, N.C. | 600 310 280 | WIYN Rome, Ga. 1360 |
| WFRB Frostburg, Md. WFRC Reidsville, N.C. WFRL Freeport, III. | 1570 | WGUF Gulfport, M8 | 1130 | WHVW Hyde Park, N.Y. | 950 1 | Wize Springfield, Ohio 1340 |

| Call Location kHz | Call Location kHz | Call Location kHz | Call Location kHz |
|--|--|--|--|
| WIZM La Cross, WI WIZO Franklin, Tenn. WIZS Henderson, N.C. WIZE Henderson, N.C. WIZE Mortolk, Nebr. WIZE WORK, Nebr. WIZ | WKBK Keene, N.H. WKBL Covington, Tenn. WKBD Covington, Tenn. WKBN WBN Garner, N.C. WKBQ Marrisburg, Pa. WKBW Buffalo, N.Y. WKBW Buffalo, N.Y. WKBW Buffalo, N.Y. WKBW WHSton-Salem, N.C. WKBY Chatham, Va. WKCB Hudwan, Va. WKCB Hudwan, Ya. WKCT Bowling Green, Ky. WKCT Bowling Green, Ky. WKCT Bowling Green, Ky. WKCT Gorinth, Miss. WKCW Warrenton, Va. WKCY Arrisonburg, Va. WKDA Cathaburg, Va. WKDA Cathaburg, N.Y. WKDA Cathaburg, N.Y. WKDA Clarksdaie, Miss. WKDA Duberty, Ky. WKDR Plattsburgh, N.Y. WKDW Staunton, VA. WKDA Hamiet, N. C. WKDY Spartanburg, SC WKDY Spartanburg, SC WKDY Spartanburg, SC WKDY Spartanburg, SC WKDY Cadiz, Ky. WKEE Mutnington, Va. WKEE Washington, Pa. WKEE Washington, Pa. WKEE Washington, Pa. WKEE Washington, Va. WKEE Washington, Va. WKEE Washington, Va. WKEE Washington, Va. WKEE Wilmington, OH WKEN Dover, DE WKEN HIMINGton, OH WKEN HIMINGton, OH WKEN HUMINGton, OH WKEN HUMINGton, OH WKEN HUMINGton, Mich, WKEY Covington, Va. WKEY Govington, Va. WKEY Govington, Va. WKEY Govington, Va. WKEY Govington, Wa. WKEY Govington, Wa. WKEY Govington, Wa. WKIN Galenville, Ga. WKIN KIngsport, Tenn. WKIN Galenville, Ga. WKIN Galenville, Ga. WKIN Granite Fails, N.C. WKIN Muskegon Heights, Mish Myaskaon, Mich, WKIN Granite Fails, N.C. WKIN Granite Fails | WKVQ Knoxville, TN WKVT Brattlebbro, Vt. WKWF Key West, Fis. WKWA Wheeling, W.Vs. WKXA Brunswick, ME WX Concord, N.H. WX CO Berea, K.Y. WX CO Caro, Mileh, Mich. WX CO Caro, Mileh, K.Y. WX CO Case, Yill. WX CO Case, Yill. WX CO Case, Yill. WX CO Case, Yill. WX CO Kalamazoo, Mich. WX CO Casey, Yill. WX CO Case, Yill. WX CO Controller, Yill. WX CO | WLSC Loris, S.C. WLSD Big Stene Gap, Va. WLSE Wailaee, N.C. WLSH Lansford, Pa. WLST Pikeville, Ky. WLSY Wollsville, Miss. WLSV Wollsville, Miss. WLTD Gastonia, N.C. WLTD Evanston, IL. ISSO WLTD Evanston, II. WLTD Evanston, II. WLTD Evanston, II. WLTD Evanston, III. WMAC Netter, Ga. WAAD Madison, Wis. WMAC Nathville, Tenn. WMAD Madison, Wis. WMAG Forest, MI WMAG WASHINIGH, Tenn. WMAC Mashville, Tenn. 1300 WMAL Washington, D.C. WMAM Mansfield, Ohlo WMAD Monroe, N.C. WMAM Maninette, Wis. WMAC Macon, Ga. WMAM Maninette, Wis. WMAC Macon, Ga. WMAD Morroe, N.C. WMAD Morroe, N.C. WMAD Morroe, N.C. WMAD Horroe, III. WMB HORROE, P.R. WMB HORROE, P.R. WMB HORROE, P.R. WMB HORROE, P.R. WME HORROE, P |
| WJWL Georgetown, Del. 900 WJWS South Hill, Va. 1370 WJXN Jackson, Miss, 1450 WJZM Clarksville, Tenn. 1400 WKAI Macomb, Ill. 1510 | WKRT Gortland, N.Y. 220 WKRW Cartersville, Ga. 1270 WKRW Cartersville, Ga. 1270 WKSC Oil City, Pa. 1340 WKSC Kershaw, S.C. 1300 WKSJ Prichard Al. 1270 WKSK W. Jefferson NC 580 WKSN Jamestown, N.Y. 1340 | WLOD Pompano Beach, Fla. 980 WLOE Eden, NC 1490 WLOF Orlando, Fla. 950 WLOG Logan, W.Va. 1230 WLOI La Porte, Ind. 1540 WLOK Memphis, Tenn. 1340 WLOK Minneapoils, Minn. 1330 | WMNI Columbus, Ohio 920 WMNS Oiean, N.Y. 1360 WMNT Manati, P.R. 1500 WMNZ Montezuma, Ga. 1050 WMOB Mohie At. 1490 WMOB Mobile At. Tenn. 1450 WMOC Chattanooga, Tenn. 1450 WMOC Brunswick, Ga. 1490 WMOH Hamilton, Ohio 1450 WMOK Metropolis, Ill, 920 |

| Call Location kHz | Call Location kHz | Call Location kHz | Call Location kHz |
|--|---|--|---|
| WMOM Memohis Tenn 1480 | WNYG Babylon, NY 1440 | WPMP Pascagoula, Miss. 1580 WPNC Plymouth, N.C. 1470 | WRIT Milwaukee, Wis. 1340 WRIV Riverhead, N.Y. 1390 WRJC Maunston, Wis. 1270 |
| WMRB Greenville, S.C. 1490 WMRC Miliford, Mass. 1490 WMRE Monroe, Ga. 1490 WMRF Lewistown, Pa. 1490 | WNYN Canton, O. 900 WNYR Rochester, N.Y. 680 WOAI San Antonio, Tex. 1200 | WPMP Passagoula, Miss. 1580 WPNC Plymouth, N.C. 1470 WPNF Brevard, N.C. 1240 WPNH Plymouth, N. H. 1300 WPNO Auburn, Me. 1530 | WRJC Maunston, Wis. 1270 WRJN Racine, Wis. 1400 WRJW Picayune, Miss. 1320 |
| WMRF Lewistown, Pa. 1490 WMRN Marion, Ohlo 1490 | WOAP Owosso, Mich. 1080 WOAY Oak Hill, W.Va. 860 WOBL Oberlin, O. 1570 | WPNX Phenix City, AL 1460 WPNX Columbus, GA 1460 | WRKB Kannapolls, N.C. 1460 WRKD Rockland, Maine 1450 |
| WMRN Marion, Ohlo 1490 WMRO Aurora, III. 1280 WMSA Massona, N.Y. 1340 WMSG Oakland, Md. 1050 | WOBR Wanchese, N.C. 1580 WOBT Rhinelander, Wis. 1240 | WPUM RIVIETA BEACH, FL 1600 | WRKL New City, N. Y. 910 WRKM Carthage, Tean. 1350 WRKN Brandon, Miss. 910 WRKO Boston, Mass. 680 |
| WMSJ Sylva, N.C. 950 WMSK Merganfield, Kv. 1550 | WOC Davenport, Iowa 1420 WOCB W. Yarmouth, Mass. 1240 WOCH North Vernon, Ind. 1460 | WPOP Hartford, Conn. 1410 WPOR Portland, Maine 1490 | |
| WMSO Collierville TN 1590 WMSR Manchester, Tenn. 1320 | WOCN Miami, Fla. 1450 WOCO Oconto, Wis. 1260 | WPOW New York, N.Y. 1330 WPPA Pottsville, Pa. 1360 WPPC Penuelas, P.R. 1330 | WRKT Cocoa Beach, Fia. 1300 WRKV Rockville, Conn, 800 WRLD Lanett AL 1490 |
| WMST Mt. Sterling, Ky. 1150 WMT Cedar Rapids, Iowa 800 WMTA Central City, Ky. 1380 | WOD1 Brookneal, Va. 1230 WODY Bassett, Va. 900 WOFE Rockwood, Tenn. 580 WOGA Sylvester, Ga. 1540 | WPPI Carrollton, GA 1330 | WRMA Montgomery AL 950 WRMF Titusville, FL 1060 WRMG Red Bay AL 1430 |
| WMTC Vancieve, Ky. 730 WMTD Hinton, W. Va. 1380 | WILHT F. LIVERMON, UNID 1490 | WPRC Lincoln, IL 1370 WPRE Prairie Du Chien, Wis. 980 WPRN Butler AL 1240 | WRMN Eigin, III. 1410 WRMS Beardstown, III. 790 |
| WMTE Manistee, Mich. 1340 WMTL Leitchfield, Ky. 1560 WMTM Moultrie, Ga. 1300 | WOHO Toledo, Ohio 1470 WOHS Shelby, N.C. 730 | WPRO Providence, R.I. 630 4 WPRP Ponce, P.R. 910 WPRS Paris, III. 1440 | WRMT Rocky Mount, N.C. 1490 WRNB New Bern, N.C. 1490 WRNC Raleigh, N.C. 1240 |
| WMTN Morristown, Tenn. 1300 WMTR Morristown, N.J. 1250 WMTS Murfreesboro, Tenn. 810 | WOI Ames, Iowa 640 WOIC Columbia, S.C. 1320 WOIO Canton, O. 1060 | WPRT Prestonsburg, Ky. 960 WPRW Manassas, Va. 1460 | WRNJ Hackettstown, NJ 1000 |
| WMTY Greenwood SC 1090 | WOKA Douglas, Ga. 1310 WOKB Winter Garden, Fla. 1600 | WPSL Monroeville, Pa. 1510 | WRNL Richmond, Va. 910 WRNR Martinsburg, WV 740 WRNY Rome, N.Y. 1350 |
| WMUS Muskegon, Mich. 1090 - WMUU Greenville, S.C. 1260 WMVA Martineville, Va. 1450 WMVB Millville, N.J. 1440 | WOKE Charleston, S.C. 1340 | WDTD Stateshare CA 950 | WHOM Guitport-Biloxi, MS 1390 WHOM West Point, MS 1450 |
| WMVG Milledgeville, Ga. 1450 WMVI Mechanicville, N.Y. 1170 WMVO Mt. Vernon, Ohio 1300 | WOKI Oak Ridge TN 1550 WOKJ Jackson, Miss. 1550 WOKK Meridian, MS 910 WOKL Eau Claire, Wis. 1050 | WPTN Cookeville, Tenn. 1550 WPTR Albany, N.Y. 1540 | Whok hocklord, III. |
| WMVR Signey, Unio 1050 WMVR Myrtia Reach S.C. 1450 | WOKO Albany, N.Y. 1460 | WDTV I I I I I I I I I I I I I I I I I I I | WRUM Rome, GA 710 |
| WMYN Mayodan, N.C. 1420 WMYR Ft. Myers, Fla. 1410 WNAB Bridgeport, Conn. 1450 | WOKS Columbia, Ga. 1340 WOKW Brockton, Mass. 1410 WOKY Milwaukee, Wis. 920 WOKZ Alton. 111. 1570 | WPUL Bartow, Fla. 1130 WPUP Bay St. Louis MS 1190 | WROW Albany, N.Y. 590 |
| WNAD Norman, Okla. 640 WNAE Warren, Pa. 1310 | WOI Washington D.C. 1450 | WPUB Camden, S.C. WPUB Camden, S.C. WPUB Bartow, Fla, WPUP Bay St. Louis MS 1190 WPUT Brewster, N.Y. 1510 WPUV Pulaski, Va. WPVA Colonial Hights, Va. 1290 WPVI Palvaevilla Oblo. | WROX Clarksuale, MISS. 1450 |
| WNAG Grenada, Miss. , 1400 WNAH Nashville, Tenn. 1360 WNAK Nanticoke, Pa. 730 | WOLD Marion, Va. 1330 WOLF Syracuse, N.Y. 1490 WOLS Florence, S. C. 1230 WOMI Owenshoro, Ky. 1490 | WPVL Painesville, Ohio 1460 WPWC Quantleo, VA 1530 WPXC Prattville AL 1410 | WRPL Charlotte, N.C. 1540 WRPM Poplarville, Miss. 1530 |
| WNAL Neisonville, O. 940 WNAM Neenah, Wis. 1280 | WOMP Bellaire, Ohlo 1290 WOMP Bellaire, Ohlo 1290 WOMT Manitowoe, Wis, 1240 WOND Pleasantville, N.J. 1400 | WPXE Starke, Fla. 1490 WPXY Greenville, N. C. 1550 | WRR Dallas, Tex. 1310 WRRA Fredericksted, VI 1290 WRRL Hamelle, WY 1130 WRRK Hocktord, III. 1330 |
| WNAR Norristown, Pa. 1110 WNAT Natchez, Miss. 1450 WNAU New Albany, Miss. 1470 | WOND Pleasantville, N.J. 1400 WONE Dayton, O. 980 WONN Lakeland, Fla. 1230 | WPYB Benson, N.C. 1130 WOAK Decatur GA 1310 | WDD7 Clinton N.C. 880 |
| WNAU New Albany, Miss. 1470 WNAV Annabolis, Md. 1430 WNAX Yankton, S.Dak. 570 WNBC New York, N.Y., 660 WNBC With Park Fil. 1440 | WONS Tallahassee, Fla. 1410 | WQBA Miami, Fla. 1140 WQBC Vicksburg, Miss. 1420 | WHSE San German PR 1090 |
| WNBF Binghamton, N.Y. 1290 | WOOD Grand Ranids, Mich. 1300 WOOF Dothan, AL WOOW Greenville, N.C. 1340 | WORK Risekshura VA 710 | WRSW Warsaw IN 1480 WRTA Altona, Pa. 1240 |
| WNBH New Bedford, Mass. 1340 WNBI Park Falls, Wis. 980 WNBP Newburyport, Mass. 1470 | WODA Oak Park, IL 1490 | WQCK Warner Robins, GA 1600 WQDE Albany GA 1250 WQDI Homestead, FL 1430 WQDY Calais, Maine 1230 | WRTH Wood River, III. 590 WRTL Rantoul, III. 1460 WRUF Gainesville, Fla. 850 |
| WNBS Murray, Ky. 1340 | WOPI Bristoi, Tenn. 1490 WOR New York, N.Y. 710 WORA Mayaquez, P.R. 760 WORC Worcester, Mass. 1310 | WQIC Meridian, MS 1450 | WRUM Rumford, Maine 790 WRUN Utica, N.Y. 1150 |
| WNBZ Saranae Lake, N.Y. 1240 WNCA Siler City, N.C. 1570 | WORD Spartanburg, S.C. 910 | WOLN Lykens, PA 1290 | WRUS Russellville, Ky. 610 WRVA Richmond, Va. 1140 WRVK Mt. Vernon, Ky. 1460 |
| WNCC Barnesboro, Pa. 950 WNCG N. Charleston, S.C. 910 WNCO Ashland, Ohio 1340 | WORL Oriando FL 1270 | WQIZ St. George, S.C. 810 WQKI St. Matthews, SC 710 WQMA Marks, Miss. 1520 WQOK Greenville, S.C. 1440 | W KXB St. Peterside Beach, FL → 1593 WRWD Augusta, Ga, 1480 |
| WNCT Greenville, N.C. 1070 WNDB Daytona Beach, Fla. 1150 WNDE Indianapolis IN 1260 | WORV Hattlesburg, Miss, 1580 WORX Maddson, Ind. 1270 WOSC Fulton, N.Y. 1300 WOSU Columbus, Ohlo 820 WOTT Waterlown NY 1410 | WQQT Savenah GA 1450 WQQW Waterbury CN 1590 | WRWH Cleveland, Ga. 1380 WRXO HOXDORO, N.C. 1430 WRYM New Britain, Conn. 840 |
| WNDI Suilivan, IN 1550 WNDR Syraduse, N.Y. 1260 | WOSU Columbus, Ohlo 820 WOTT Watertown NY 1410 WOUB Athens, Ohlo 1340 | WQSA Sarasota FL 1220 WQSN Charleston, S.C. 1450 WQTC Two Rivers, Wis. 1590 | WRYT Boston, Mass. 950 WRYZ Jupiter, FL 1000 WSAC Fort Knox, Ky. 1470 |
| WNEA Newnan, Ga. 1300 WNEB Worcester, Mass. 1230 | WOW Omaha, Nebr. 590 | WQTW Latrobe, Pa. 1570 | WSAF Sarasota, Fia. 1220 WSAI Cincinnati, Ohio 1360 |
| WNEL Caguas, P. R. 1430 | WOWW Naugatuck, Conn. 1380 WOWW Clewiston, Fla. 1590 | | WSAJ Grove City, Pa. 1340 WSAL Logansport, Ind. 1230 WSAM Saginaw, MI 1400 |
| WNES Central City, Ky. 1050 WNEU Wheeling, W. Va. 1470 WNEW New York, N.Y., 1130 | WOZK UZARK AL 900 | WQXI Atlanta, Ga. 790 WQXI Atlanta, Ga. 790 WQXR New York, N.Y. 1560 WQYK Tampa, Fia, 1110 WRAB Arab AL 1380 WRAB Arab AL 1380 | WSAN Allentown, Pa, 1470 WSAN Senarobia, Miss. 1550 |
| WNFL Green Bay, Wis. 1440 | WPAD Paducah, Ky. 1450 WPAG Ann Arbor, Mich. 1050 | WRAA Luray, Va, 1330 WRAB Arab AL 1380 | WSAR Fall River, Mass. 1480 WSAT Salisbury, N.C. 1280 WSAU Wausau, Wis. 550 |
| WNGA Nashville, Ga. 1600 WNGO Mayfield, Ky. 1320 WNHC New Haven, Conn. 1340 | WEAL CHarteston, S.D. | WRAG Carrollton AL 590 WRAI San Juan, P.R. 1520 | WSAV Savannah, Ga. 630 WSAY Hochester, N.Y. 1370 WSB Atlanta, Ga. 750 |
| WNHV White River Jet., Vt. 910 WNIA Cheektowaga, N.Y. 1230 | WPAR Parkersburg, W.Va. 1450 WPAS Zephyrhills, Fla. 1400 WPAT Paterson, N.J. 930 | | WSBA YORK, Pa. 910 WSBB New Smyrna Beach, Fla. 1230 |
| WNIC Dearborn MI 1310 WNIK Arecibo, P.R. 1230 WNIL Niles, Mich. 1290 | WPAM Pottsville, Pa. 1480 WPAQ Mount Airy, N.C. 740 WPAR Parkersburg, W.Va. 1450 WPAS Zephyrhills, Fla. 1400 WPAT Paterson, N.J. 930 WPAX Thomasville, Ba. 1240 WPAY Portsmouth, Ohlo 1400 WPAZ Pottstown, Pa. 1376 WPBR Palm Beach FL 1340 WPCC Clinton. S.C. 1410 | WRAI Anna, III. 1440 WRAK WIIIIamsport, PA 1400 WRAM Monmouth, III. 1330 WRAN Dover, N.J. 1510 WRAP Norfolk, Va. 850 WRAR Tappahannock, Va. 1000 WRAW Reading, Pa. 1340 WRAY Princeton, Ind. 1250 WRAY Drinceton, Ind. 1250 WRAY Drinceton, Ind. 1300 WRBD Pompano Beach, Fla. 1470 WRBE Lucedale MS. 1440 | WSBC Chicago, III. 1240 WSBR Boca Raton, Fla. 740 WSBS Gt. Barrington, Mass. 860 |
| WNIO Niles, Ohio 1540 WNJR Newark, N.J. 1430 WNKY Neon, Ky. 1480 | WPBR Palm Beach FL 1340 WPCC Clinton, S.C. 1410 | WRAW Reading, Pa. 1340 WRAY Princeton, Ind. 1250 | WSBT South Bend, Ind. 960 WSBP Chattahoochee, Fla. 1580 WSCM Panama City Beach, |
| WNHC New Haven, Conn. 1340 WNHV White River Jet., Vt. 910 WNIA Cheektowaga, N.Y. 230 WNIC Dearborn MI 1310 WNIK Arceibo, P.R. 1230 WNIL Niles, Mich. 1290 WNIO Niles, Ohio 1540 WNJR Newark, N.J. 430 WNKY Neon, Ky. 480 WNLB Rocky Mount, VA 1290 WNLC Nen London, Conn. 1510 WNLC Nen London, Conn. 1510 WNLK Norwalk, Conn. 1350 WNMT Garden City, Ga. 1220 WNNC Newton, N.C. 1230 WNNJ Newton, N.C. 1230 WNNJ Newton, N.J. 1360 WNNJ Wisconsin Dells, WI 990 | WPCE Portsmouth, VA i. 1400 WPCF Panama City, Fia. 1430 WPCO Mt. Vernon, Ind. 1590 WPDC Elizabethtown, Pa. 1600 | WRBC Jackson, Miss. 1300 WRBD Pompano Beach, Fla. 1470 WRBE Lucedale MS 1440 | WSCP Sandy Creek-Pulaski, |
| WNMT Garden City, Ga. 1520 WNNC Newton, N.C. 1230 | WPDC Elizabethtown, Pa. 1600 WPDF Corydon, Ind. 1550 WPDM Potsdam, N.Y./ 1470 | WRBE Lucedale MS 1440 WRBE Lucedale MS 1440 WRB JSt. Johns, Mich. 1580 WRBL Columbus, Ga. 1420 WRBX Chapel HIII NC 1530 WRC Washington, D.C. 980 WRCD Dalton, Ga. 1430 WRCD Dalton, Ga. 1430 | NY 1070 WSCR Seranton, Pa. 1320 WSCV Peterborough, N.H. 1050 WSCW South Charleston, WV 14 WSDC Hartsville SC 1490 |
| | | | WSDL SHIIII LA 1500 |
| WNNT Warsaw, Va. 690 WNOE New Orleans, La. 1060 WNOE Nog Naples, Fla. 1270 WNOK Columbia, S.C. 1230 WNOC Chatteron Tan 1260 | WPED Crozet, Va. 810 WPEH Louisvile, Ga. 1420 WPEL Mentrose, Pa. 1250 | WRCO Richland Center, WI 1459 WRCP Philadelphia Pa 1540 | WSDR Sterling, III. 1240 WSDS Ynsilanti, Mich. 1480 |
| WNOK Columbia, S.C. 1230 WNOO Chattanooga, Tenn. 1260 WNOP Newport, Ky, 740 WNOR Norfolk, Va. 1230 | WPEN Philadelphia, Pa. 950 | WRCQ New Britain, CT 910 WRCS Ahoskle, N.C. 970 WRDB Reedsburg, WI 1400 WRDI Hammonton NJ 1580 | WSEM Donaisonville, Ga. 1300 |
| WNOR Norfolk, Va. 1230 WNOV Milwaukee, Wis. 860 | WPET Greensboro, N.C. 950 WPFA Pensacola, Fla. 790 | WRDO Augusta, Maine 1400 | WSEN Baidwinsville, N.Y. 1050 WSER Elkton, Md. 1550 WSEV Sevierville, Tenn. 930 WSEW Selinsgrove, PA 1240 |
| WNOK Columbia, S.C., 1230 WNOO Chattanooga, Tenn. 1260 WNOP Newport, Ky, 740 WNOR Norfolk, Va, 1230 WNOV Milwaukee, Wis. 860 WNOW York, Pa, 1250 WNOX Knoxville, Tenn. 990 WNPS New Orleans, La. 1451 WNPT Tuscalosa AL 1280 | WPGA Perry, Ga. 980 | WRDW Augusta, GA 1480 | WSFB Quitman, Ga. 1490 |
| WNPT Tuscaloosa AL 1280 WNPV Lansdale, Pa. 1440 WNRE Circleville OH 1549 WNRG Grundy, Va. 940 WNRI Woonsocket, R.I., 1580 | WPGD Winston-Salem NC 1550 WPGM Danville, Pa. 1570, | WREL Lexington, Va. 1450 WREM Jenkins, Ky. 1000 WREN Topeka, KS 1250 | WSFD Seaford, DE 1280 WSFR Sanford, Fla. 1300 WSFT Thomaston, Ga. 1220 |
| WNRG Grundy, Va. 940 WNRI Woonsocket, R.I., 1380 WNRJ Gainesville, Ga. 1130 | WPHB Philipsburg, Pa. 1260 WPHC Waverly, Tenn. 1060 | WREO Ashtabula, Ohio 970 | WSFW Seneca Falls, N.Y. 1110 WSGA Savannah, Ga. 1400 WSGB Sutton, W.Va. 1490 |
| WNRJ Galnesville, Ga. 1130 WNRK Newark, Del. 1260 WNRS Saline, Mich. 1290 WNRV Narrows-Pearlsburg, | WPIC Sharon, Pa. 790 | WRFC Athens, Ga. 960' WRFD Worthington, Ohio 880 | WSGC Elberton, GA 1400 WSGN Birmingham AL 610 |
| Va. 990 WNSL Laurel, Miss. 1260 WNST Milton WV 1600 | WPIK Alexandria, VA 730 WPIT Pittsburgh, Pa. 730 WPID Soddy-Dalsy TN 1550 | WRGA Rome, Ga. 1470 | WSGO Oswego, N.Y. 1440 WSGW Saginaw, Mich. 790 WSHB Racford, N.C. 1400 WSHF Sheffield AL 1290 |
| WNTN Newton, Mass 1550 WNTS Indianapelis, IN 1590 | WPKE Pikeville, Ky. 1240 WPKO Waverly, Ohlo 1380 WPKY Princeton, Ky. 1580 | WRGM Richmond, Va. 1540 WRGS Rogersville, Tenn. 1370 WRHC Coral Gables, FL 1550 | WSHO New Orleans, La 800 |
| WNTT Tazewell, Tenn. 1250 WNTY Southington, Conn. 990 WNUE Ft. Walten Bch., Fia. 1400 | WPLA Plant City, Fla. 910 WPLB Greenville, Mich. 1380 | WRHI Rock Hill, S.C., 1340 WRHL Rochelle, III. 1060 WRIB Providence, R.I. 1220 | WSHP Shippenburg, Pa. 1480 WSHY Shelbyville, III. 1560 WSIR Resufort, S.C. 1490 |
| WNTY Southington, Conn. 990 WNUE Ft. Walten Beh., Fla. 1400 WNUS West Springfield, MA 1490 WNUZ Talladega AL 1230 WNUA Norton, Va. 1350 | WPLK Reckmart, Ga. 1220 WPLM Plymouth, Mass. 1390 WPLO Atlanta, Ga. 590 | WRIC Richlands, Va. 540 WRIE Erie, Pa. 1330 WRIG Wausau, Wis, 1400 | WSIC Statesville, N.C. 1400 WSID Baltimore, Md. 1010 WSIG Mount Jackson, Va. 790 |
| WNVL Nicholasville, Ky. 1250 | WPLY Plymouth, Wis. 1420 WPMB Vandalla, 111. 1500 | WRIM Pahokee, Fla. 1250 WRIN Rensselaer, Ind. 1560 WRIN Rensselaer, Ind. 1560 | WSIP Paintsville, Ky. 1490 WSIR Winter Haven, Fla. 1490 WSIV Pekin, III. 1140 |
| WNWI Valparaiso, Ind. 1080 WNXT Portsmouth, Ohio 1260 WNYC New York, N.Y. 830 | WPME Punxsutawney, Pa. 1540 WPMH Portsmouth, VA 1010 | WRIN Rensselaer, Ind. 1560 WRIP Rossville, Ga. 980 WRIS Roanoke, Va. 1410 | WSIX Nashville, Tenn. 980 |

| | U | .S. AM STATIONS B | Y CALL LETTERS |
|---|---|---|---|
| Call Location kHz | Call Location kHz | Call Location kHz | Call Location kHz |
| WSIZ Ocilia, Ga. 1380 WSJG Magee, Miss. 810 WSJM St. Joseph, Mich. 1400 | WTCO Campbellsville, Ky. 1450 WTCR Ashland, Ky. 1420 | WUFF Eastman, Ga. 710 WUFO Amherst, N.Y. 1080 WULA Eufula AL 1240 | WWNS Statesboro, Ga. 1240 WWNY Watertown, N.Y. 780 WWOD Lynehburg, Va. 1390 |
| WSJR Modawaska, Me. 1230 | WICU Campbellsville, Ky. 1450 WICR Ashland, Ky. 1450 WICS Fairmount, W.V. 1490 WICW Whitesburg, Ky. 920 WIEL Philadelphia, Pa. 860 WIGA Thomaston Ca. 860 | WULA Eufula AL 1240 WULF Alma, GA 1400 WUMU Galnesville, Fia. 1390 | WWOD Lynehburg, Va. 1390 WWOK Miami, Fla. 1260 WWOL Buffalo, N.Y. 1120 |
| WSKE Everett, Pa. 1050 | WTGP Murtin Basels C.C. 1800 | WUNA Aquadilla, P. R. 1840 WUNI Mobile AL 1410 | |
| WSKW Skowhegen ME 1180 | WTHB Augusta, Ga, 1550 WTHD Milford, Del. 930 WTHE Mineola, N.Y. 1520 | WUNN Mason, Mich. 1110 WUNO Rio Piedras, P.R. 1320 | WWPA Williamsport, Pa. 1340 WWPF Palatka, Fla. 1280 |
| WSLB Ogdensburg, N.Y. [400 | WTHM Langer Mich 1820 | WUPR Utado, P.R. 1530 | WWON Woonsocket, R.I. 1240 WWOW Conneaut, Ohio 1360 WWPA Williamsport, Pa. 1340 WWPF Palatka, Fia. 1280 WWRL New York, N.Y. 1600 WWSC Glens Falis, N.Y. 1460 WWSF Loretto, Pa. 1400 |
| WSIG Donaldsonulle to toro | W.THU Thurmont Md 1450 | WUPY lahpeming M1 970 WUSS Atlantic City, NJ 1490 WUST Washington DC 1120 | WWSD St. All W. |
| WSLI Jackson, Miss. 930 WSMA Marine City Mich. 1590 WSLM Salem, Ind. 1220 | WTIC Hartford, Conn. 1080 WTID Newport News, Va. 1270 WTIF Tifton, Ga. 1340 | WVAB Virginia Beh., Va. 1550 WVAK Paoli, IN 1560 | WWSW Pittsburgh, Pa. 970 WWTC Minneapolis Minn. 1280 |
| WSLT Ocean City-Somers \ | WTIG Massilion, Ohio 990 WTIK Durham, N.C. 1310 | WYAM Altoona, Fa. 1430 | WWUN Jackson, Miss. 1890 WWVA Wheeling, W.Va. 1170 WWWB Jasper AL 1360 |
| Pt., N.J. 1520 WSLV Ardmore, Tenn. 1110 WSLW White Sulphur | WTII Mayanuay D.D. 1200 | WVAP Burnettown, S.C. 1510 WVAR Richwood, W.Va, 600 WVBS Burgaw NC 1470 | WWWC Wilkesbore, N.C. 1248 |
| Springs, WV 1310 WSM Nashville, Tenn, 650 WSMA Marine City, Mich. 1590 | WTIM Taylorville, III, 1410 WTIP Charleston, W.Va., 1240 WTIQ Manistique, Mich., 1490 / WTIV Titusville, Pa. 1230 WTIV New Orleans | WVCF Windermere, Fla. 1480 | WWWE Cleveland, OH 1100 WWWF Fayette AL 890 |
| Womb New Orleans, La, 1350 | WTJH East Point, Ga. 1260 | WVCG Coral Gables, Fla. 1080 WVCH Chester, Pa. 740 WVEC Hampton, Va. 1490 | WWWR Russellville AL 920 WWXL Manchester, Ky, 1450 WWYN Erie, Pa. 1260 |
| | WTKM Hartford Wie | WVFC McConnellsburg, PA 1533 WVGT Mt. Dora, Fta. 1580 | WXAL Demopolis, AL 1400 |
| WSMI Litchfield, III. 1540 | WTKO Ithaca, N.Y. 1470 WTKY Tompkinsville, Ky. 1870 WTLB Utica, N.Y. 1310 | WVIC E. Lansing, Mich. 730 WVIN Bath, NY 1380 WVIP Mt. Kisco, N.Y. 1310 | WXCL Peoria, Iit. 1350 |
| WSMT Sparta, Tenn. 1050 | WTLK Taylorsville, N.C. 1570 WTLN Apopka, Fla. 1520 | WVIX Pensacola FL 610 WVIP Caguas, P.R 1110 | WXCO Wausau, Wis. 1230 WXEE Welch, WV 1340 WXEW Yabucoa, PR 840 |
| WSNG Torrington, CT 610 | WILS Tallassee AL 1300 | WVJS Owensboro, Ky. 1420 WVKO Columbus, Oblo 1586 | WXGI Richmond, VA 950 WXIT Charleston, W.Va. 1490 |
| 175140 Barre, Vt. 1450 | WTMC Ocala Fia | WVLC Orleans, Mass. 1170 | WXL! Dublin, Ga. 1230 WXLL Big Delta, Alaska 980 |
| WSNT Sandersville, Ga. 1490 WSNW Seneca, S. C. 1150 WSOC Charlotte, N.C. 930 WSOK Savannah, Ga. 1230 | WTNE Trenton, TN 1500 WTMJ Milwaukee, Wis. 620 WTMP Tampa, Fla. 1150 | WVLD Valdosta, Ga, 1450 WVLK Lexington, Ky, 590 WVLN Olney, III. 740 | |
| WSUL Tampa, Fla. 1300 | WIME Camden, N.J. 800 WIME Louisville, Kv. 820 | WVLY Water Valley, Miss. 1320 WVMC Mt. Carmel, 111. 1360 | WXOX Bay City, Mich. 1250 WXOR Florence AL 1340 |
| WSOO Sit, Ste. Marie, Mich. 1230 | WIND Orangeburg S.C. 020 | WVMG Cochran, Ga. 1440 WVMI Biloxi, Miss. 570 WVMT Burlington. Vt. 620 | WXPQ Eatonton, Ga. 1520 WXTN Lexington, Miss. 1000 WXRF Guayama, P.R. 1590 |
| WSOY Decatur, III 1340 | WTNJ Trenton NJ 1300 WTNK Meridian MS 1390 WTNL Reidsville, GA 1390 | WVNA Tuscumbla, AL 1590 WVNH Salem, NH 1110 | WXRL Lantaster, N.Y. 1300 WXVA Charles Town, W.Va. 1550 |
| WSPA Spartanburg, S.C. 950 WSPB Sarasota, Fla. 1450 WSPD Toledo, Dhio 1370 | WTNN Millington, TN 1380 | WVUB Bel Air, Md. 1520 | WXVI Montgomery, AL 1600 WXVW Jeffersonville, Ind. 1450 |
| WSPF Hickory N.C. 1000 | WTNT Tallahassee, Fla. 1270 WTNW Chapel Hill, N.C. 1530 WTOB Winston-Salem, N.C. 1380 | WVOC Battle Creek, Mich. 1500 WVOE Chadburn, N.C. 1590 WVOG New Orleans, La. 600 | WXXX Hattiesburg, Miss. 1310 WXYZ Detroit, Mich. 1270 WYAL Scotland Neck, N.C. 1280 |
| WSPR Springfield, Mass. 1270 WSPT Stevens Pt., Wis. 1010 WSRC Durham, N.C. 1410 WSRF Fort Lauderdale, FL 1580 | WTOD Toledo, Ohio 1560 | WVOH Hazelhurst, Ga. 920 WVOJ Jacksonville, Fla. 1320 | WYAZ Yazoo City, MS 1530 |
| WSRO Mariboro, MA 1470 WSRW Hillsboro, Ohlo 1590 | WIOE Spruce Pine, N.C. 1470 WION Staunton, Va. 1240 | WVOK Birmingham AL 690 WVOL Berry Hill, Tenn. 1470 WVOM luka, MS 1270 | WYBG Massena, N.Y. 1050 WYCL York, S.C. 989 WYDE Birmingham AL 850 |
| WSSA College Park, Ga. 1570 WSSR Durham NC 1400 | WTOP Washington, D.C. 1500 WTOT Marianna, F(a. 980 | | WYDK Yadkinville, N.C. 1480 WYFC Ypsilanti, MJ 1520 |
| WSSO Starkville Miss / 1340 | WTPR Paris, Tenn. 710 WTOW Towson, Md. 1570 WTOY Roanoke Va. 910 | WVOP Vidalia, Ga. 970 WVOS Liberty, N.Y. 1240 WVOI Wilson, N.C. 1420 WVOY Huntsville AL 1000 | WYFE Rockford, III. 1150 WYGU Corbin, Ky. 1830 WYGR Wyoming M1 1530 |
| WSTC Stamford Conn. 1240 | WTOY Salma Al 1870 | WVUW Logan, W.Va. 1290 WVUX New Rochelle, N.Y. 1460 | WYKR Wells, River VT 1400 |
| | WTRB Ripley, Tenn. 1570 | WVOY Charlesvoix, MI 1270 | WYLD New Orleans, La. 940 WYLO Jackson, Wis. 540 WYLS York AL 1350 |
| WSTH Taylorsville, N.C. 860 WSTK Woodstock, Va. 1230 WSTL Eminence, Ky. 1600 WSTP Salisbury, N.C. 1490 WSTP Sturgis, Mich, 1230 WSTU Stuart, Fla. 1450 | WTRE Greensburg, Ind. 1330 WTRI Brunswick, Md. 1520 WTRL Bradenton, Fla. 1490 | WVPO Stroudsburg, Pa. 840 WVRC Spencer, W. Va. 1400 WVSA Vernon AL 1380 | WYMB Manning, S.C. 1410 WYNA Baleigh, N. C. 1550 |
| Wol v Steinenville, Unio 1340 | WIRN Tyrone, PA 1340 | WVSC Somerset, Pa. 990 WVSM Rainsville At. 1500 | WYNE Appleton, Wis. 1150 |
| | WTRP Lagrange, Ga., 620 WTRQ Warsaw, N.C. 1560 WTRR Sanford, Fla. 1400 | WVUV Leone, Am. Samoa 1120 WVVW Grafton, W.Va. 1260 WVVX Highland Park- | WYNK Baton Rouge, La. 1380 WYNN Florence S.C. 540 |
| New London CT 980 WSUF Patchogue NY 1580 WSUH Oxford, Miss. 1420 WSUI lowa City, lowa 910 WSUN Parma OH WSUN St. Petersburg, Fla. 620 | WIRS Dunnellon, Fla. 920 | WVWI Charlotte Amalie, VI 1000 | WYNN Florence, S.C. 540 WYNR Brunswick, Ga, 790 WYNS Leighton, Pa. 1150 WYNX Smyrna, Ga. 1550 |
| WSUM Parma OH (000 WSUN St. Petersburg, Fla. 620) | WIRN Misk-gon, Mich. 1330 WIRY Flint, Mich. 1330 WIRY Troy, N.Y. 980 WISA Brattleboro, Vt. 1450 WISB Lumberton, N.C. 1340 | WWAB Lakeland, Fla. 1330 WWAM Cadillac, Mich. 1370 WWBA St. Petersburg, Fla. 680 | WYOK Soperton, GA 1000 WYOO Richfield MN 980 |
| WSUZ Palatka, Fla. 800 WSVA Harrisonburg, Va. 550 WSVL Shelbyville, Ind. 1520 | | WWBD Bamberg-Denmark, | WYOU Tampa, Fia. 1550 WYPR Danville, Va. 970 WYRD E. Syracuse, NY 1540 |
| WSVM Valdese. N.C. 1490 WSVS Crewe, Va. 800 | WTSO Madison, Wis. 1070 | S.C. 790 WWBK Brockport, NY 1560 WWBR Windber, Pa. 1350 | |
| WSWN Belle Glade, Fla. 900 | | | WYRE Annapolis, Md. \$10 WYRN Leuisburg, N.C. (480 WYRU Red Springs, N.C. (510 WYSE Inverness, Fia. (560 WYSH Clinton, Tenn. (380) WYSL Buffalo, N.Y. (400) WYSR Franklin, Va. (250) WYTH Madison, Ga. (250) WYTH Rocky Mount Va. (570) |
| WSWW Platteville, Wis. 1590 WSYB Rutland, Vt. 1380 | WTTC Towanda, Pa. 1550 WTTF Tiffin, Ohio 1600 WTTI Datton, Ga. 1530 WTTL Madisonville, Ky. 1310 WTTM Trenton, N.J. 920 WTTM Watertown, Wis. 1580 | WWCA Gary, Ind, 1270 WWCB Corry, PA 1370 WWCB Bremen, Ga, 1440 WWCH Clailon, Pa, 1300 WWCM Brazil, Ind. 1130 WWCO Waterbury, Conp. 1240 | WYSL Buffalo, N.Y. 1400 WYSR Franklin, Va. 1250 |
| WSYL Sylvania, Ga. 1490 WSYR Sylvania, M.V. 1490 | WTTM Trenton, N.J. 920 WTTN Watertown, Wis. 1580 | WWCM Brazil, Ind. 1130 WWCO Waterbury, Conn. 1240 | WYTH Madison, Ga. 1250 WYTI Rocky Mount, Va. 1570 |
| WSWG Greenwood, MS 1540 WSWN Belle Glade, Fla. 900 WSWV Pennington Gap, Va. 1570 WSWW Platteville, Wis. 1590 WSYB Rutland, Vt. 1380 WSYD Mt. Airy, N.C. 1300 WSYL Sylvania, Ga. 1490 WSYR Syracuse, N.Y. 1370 WTAB Tabor City, N.C. 1370 WTAB Tabor, 111, 930 WTAD Quincy, III, 930 WTAD Quincy, III, 930 WTAD Pittsburgh, Pa, 1250 | WTTR Westminster, Md. 1470 WTTS Bloomington, Ind. 1370 WTTT Amherst, Mass. 1430 | WWDC Washington, D.C. 1260 WWDJ Hackensack, NJ 970 WWDR Murfreesboro, N. C. 1080 | WYTL Oshkosh, WI 1490 WYVE Wytheville, Va. 1280 WYWY Barbourville, Ky. 950 |
| WTAE Pittsburgh, Pa. 1250 WTAG Worcester. Mass. 580 | WTTX Appoint tox VA (280 WTUG Tusealoosa AL 790 | WWEE Memphis TN 1430 WWEL Medford MA 1430 | WYXI Athens, Tenn. 1390 WYYS Tomahawk WI 810 |
| WTAI Eau Galile, Fia. 1560 WTAL Tallahassee, Fia. 1450 WTAN Clearwater, Fia. 1340 | WTUP Tupelo, MS 1490 WTUU Toledo, OH 1520 WTUX Wilmington, Del. 1290 | WSLC Clermont FL 1340 WWGM Nashville, Tenn, 1560 WWGO Erle, Pa. 1450 | WYYY Kalamazoo, Mieh, 1470 WYYZ Jasper GA 1560 WYZE Atlanta, Ga, 1486 WZAM Norfolk VA 1110 |
| WTAN Clearwater, Fig. 1340 WTAQ LaGrange, 111. 1300 WTAR Norfolk, Va. 790 | WTVB Coldwater, Mich. 1590 WTVL Waterville, Maine 1490 | WWGP Sanford, N.C. 1050 WWGS Tifton, Ga. 1430 | WZAP Bristol, Va. 690 |
| WTAW College Station, Tex. 1150 WTAX Springfield, 111. 1240 | WTVN Columbus, Ohio 610 WTVR Richmond, Va. 1380 WTWA Thomson, Ga. 1240 | WWHY Huntington, W.Va, 1470 WWIN BaitImore, Md, 1400 | WZEP DeFunisk Sarge Fig. 1480 |
| WTAY Robinson, 111. 1570 WTBC Tuscaloosa AL = 1230 WTBF Troy AL 670 | WTWB Auburndale, Fia. 1570 WTWN St. Johnsbury, Va. 1340 | Wis. 1260 WWIT Canton, N.C. 970 | WZIP Cincinnati, Ohio 1050 WZIX York, PA 1850 |
| WTBJ Monticello, FL 1090 WTBO Cumberland, Md. 1450 | WIYC Rock Hill, S.C. 1150 | WWJ Detroit, Mich, 950 | WZNG Winter Haven FL 1360 WZOB Fort Payne AL 1250 |
| WTBP Parsons, Tenn. 1550 WTBQ Warwick NY 1110 WTCA Plymouth, Ind. 1050 | Mass. 1 1600 WTYN Tyron, N.C. 1550 | WWJC Duluth, Minn. 850 WWKE Ocala, Fla. 1370 WWKO Fair Bluff, N.C. 1480 | WZUE Princeton, III, [490] WZOO Asheboro, N.C. 710 |
| WTCH Shawaro Wie 990 | WTYS Marianna, Fla. 1340 WTZE Tazewell, Va. 1470 | WWKY Winchester, Ky. 1380 WWL New Orleans, La. 979 | WZST Leesburg, Fla. 1410 1 WZTQ Hurricane, WV 1080 |
| WTCL Warren, Ohio 1570 | TOBE Cincinnati, U. 1230 | WWJB Brooksville, Fla. 1450 WWJC Duluth, Minn. 849 WWKE Calla, Fla. 1370 WWKO Fair Bluff, N.C. 1480 WWKY Winchester, Ky. 1380 WWL New Orleans, La. 879 WWLE Cornwall, N.Y. 1170 WWML Portage, Pa. 1470 WWML Portage, Pa. 1470 WWNR Beckley, W.Va. 620 | WZYX Cowan, Tenn. 1440 |
| WTCM Traverse City, Mich. 1400 | | | WZZA Tuscumbia, AL 1410 |
| | J.S. FM STATIO | NS BY LOCATION | |
| Location Call MHz | Location Call MHz | Location Call MHz | Location Call MHz |
| ALABAMA | Bay Minette WWSM 105.5 Birmingham WAPI-FM 94.5 | Brewton WKNU 106.3 Carroliton WAQT 94.1 Clanton WEZZ 97.7 | Enterprise WIRB-FM 98.9 WKMX 106.7 Eufata WULA-FM 92.7 |
| Abbeville WXLE 94.3 Albertville WQSB 105.1 Alexander City WRF8-FM 106.1 | . WBHM 90.3 WQEZ 96.5 | Culinian WFMH-FM 101.1 WKLN '92.1 | Fairhope WABF-FM 92.1 |
| Alexander City WRF8-FM 106.1 Andalusia WQHQ 98.1 Anniston WHMA-FM 100.5 | WOJC 93.7 WVOK-FM 99.5 | Decatur WDRM (02.1 WBQM 91.7 | Florence WQLT 107.3 Gadsden WQEN 103.7 |

| 116 | STATIONS | RV | LOCATION |
|------|----------|----|----------|
| U.S. | STATIONS | DI | LOCA HON |

| U.S. FM STATIO | ONS BY LOCATION | | |
|---|--|---|--|
| Location Call MHz | Location Call MHz | Location Call MHz | Location Call MHz |
| Huntsville WAHR 99.1 WLRH 89.3 | Magnolia KEZQ 94.1 | KITA 102.3 Mojave KDOL-FM 97.7 | Tulare KBOS 94.9 KW8M 106.7 |
| WNDA 95.1 WOCG 90.1 Jackson WHOD-FM 104.9 | Mammoth Spring KAMS 95.1 Mena KSKB 101.7 Monticello KHBM-FM 93.5 | Monterey KWAV Monte Rio KRJB 97.7 Moraga KSMC 89.5 | Turlock KCSS 91.9 KBDG 90.9 Twenty-Nine Palms |
| Inches myllia WIIS.FM 91.9 | Mountain Ho KTLO-FM 98.3 Nashville KNAS 105.5 | Mountain View KSFH 90.5 Mount Shasta KEDY 95.3 | Uklah KRTU 103.3 |
| Jasper WWWB-FM 102.5 Mobile WKRG-FM 99.9 WABB 97.5 WBLX 92.9 | Newport KOKR 108.5 Osceola KOSE-FM 98.1 Paragould KHIG 104.9 | Newport Beach KOCM 103.1 Northridge KCSN 68.5 Oceanside KUDE-FM 102.1 | Vacaville-Fairfield KUIC 95.3 Ventura KBBY 95.1 |
| WHIL-FM 91.3 WKSJ-FM 94.9 | Pine Biuff KADL-FM 94.9 KOTN-FM 92.3 | Ontario KSOM-FM 93.5 | Visatia KONG-FM 92.9 |
| Monroeville WMFC-FM 98.5 | Pochontas KPOC-FM 103 9 Rogers KAMO-FM 94.3 Searcy KSER 99.3 | Oxnard KPMJ 104.7 KDAR 98.3 | Walnut KSAK 90.1 Walnut Creek KDFM 92.1 West Covina KBOB 98.3 |
| WMGZ 103.3 | Slicam Springs KUOA-FM 105.7 | Palm Springs KDES-FM 104.7 Pasadena KPCS 89.3 | W. Sacramento KWHS 91.7 Woodland KSFM 102.5 |
| Muscie Shoals WLAY-FM 101.9 | Texarkana KADO-FM 107.1 KOSY-FM 102.5 | Paso Robies KROQFM 108.7 PRA 94.3 | Yuba City KHEX 103.9 |
| Oneonta WKLD 97.7 Opp WAMI-FM 102.3 Ozark WOAB 104.9 | Wynne KWRF-FM 105.5 Wynne KWYN-FM 92.7 | Patterson KOSO 93.1 Paso Robles KPRA 94.3 Plamo Beach KPGA 95.3 | COLORADO |
| Phonix City WFIZ 100.1 | CALIFORNIA Alameda KJAZ 92.7 | Porterville KIOO 99.7 Redding KVIP-FM 98.1 | Alumosa KASE 90 9 |
| Roanoke WELR-FM 95.3 Scottsboro WCNA-FM 98.3 Selma WTUN 100.1 | Anahelm KEZY-FM 95.9 Angwin KANG 89.9 | Redondo Beach KKOP 93.5 Redlands KCAL-FM 98.7 KUOR-FM 89.1 | KGIW-FM 93.5 Aspen KSPN 97.7 Breckenridge KLGT 102.3 |
| Sheffield WRCK-FM 106.3 | Apple Valley KAVR-FM 102.3 Areadia KMAX 107-1 | Ridgecrest KLOA-FM 108.5 Rio Vista KRVH-FM 90.9 | Boulder KRNW 97.3 KBVL 94.7 |
| Sylacauga WMLS-FM 98.3 Talledega WHTB 92.7 | . KAHS 91.5 | Riverside KBBL 99.1 - KHNY-FM 92.7 KDUO 97.5 | Canon City KRLN-FM 103.9 Colorado Springs KRCC 91.5 |
| Thomasville WJDB-FM 95.3 Troy WTSU 90.1 Tuscumbla WVNA-FM 100.3 Tuscaicosa WUAL-FM 91.7 | Auburn KAFI 101.1 Ayajon KBIG-FM 104.3 Bakersfield KLYD-FM 94.1 | Roseville KPIP 93.5 | KEPC 90.5 KKFM 96.5 KSPZ 92.9 |
| WUOA 95.7 | KBBY 107.9 KGFM 101.5 | Sasramento KCTC 96.1 KERS 90.7 KFBK-FM 92.5 | KPIK-FM 943 KRDO-FM 95.1 |
| Tuskegee WVNS 95.9 Union Springs WQSI 100.9 | KHIS 98.5 KZIN-FM 107.9 | KEBR 100.5 KEWT 105.1 | KRYT-FM 101.9 Craig KRAI-FM 93.7 Denver KADX 105.1 |
| York WSLY 99.3 | Barstow KWTC-FM 94.3 Berkeley KPFA 94.1 KALX 90.7 KPFB 89.3 | KWOD 108.5 KR01 98.9 | KCFR 90.1 KIMN-FM 98.5 |
| ALĄSKA - | KRE-FM 102.9 | KXOA 107.9 KZAP 98.5 St. Helena KVYN 101.7 | KLIR-FM 100:3 KLZ-FM 106.7 KHOW-FM 95.7 |
| Anchorage KNIK-FM 105.5 KKLV 103.9 KJZZ 102.1 | Big Bear Lake KTOT-FM 101.7 Bishep K10Q-FM 100.7 Blythe KYOR-FM 100.3 Buena Park KBPK 90.1 | Salinas KBEZ 102.5 KCTY-FM 103.9 | KX KX 95.7 KOAQ 103.5 |
| College KGOT 101.3 KUAC 104.7 | Camarillo KEWE 95.9 | KWYT-FM 100.7 KAUG 90.9 | KOSI-FM (01.1 KBPI 105.9 KVOD 99.5 |
| Juneau KT 00 104.3 Ketchikan KRBD 105.9 Kodiak KMXT, 100.1 | Carlsbad KKOS 95.9 Carmel KLRB 101.7 Cathedral City KWXY-FM 103.1 | Monterey KRSA-FM 100.7 San Bernardino KVCR 91.9 | Durango KRSJ 101.5 KDUR 91.9 |
| | Chico KCBM 93.7 KCHO 91.1 | KOLA 99.9 KQLH 95.1 San Clemente KAPX 107.9 | Ft. Collins KCSU-FM 90.9 KTCL 93.3 KCOL-FM 107.9 |
| ARIZONA Apache Junction KSTM 107-1 | Claremont KSPC 88.7 | San Diego KFMB-FM 100.7 KFMB-FM 100.7 | Fort Morgan KBRU 101.7 Glenwood Springs KCMK 90.5 |
| Bullhead City KRHS 102.3 | Compton KJLH 102.3 Cupertine KKUP 91.5 | KFSD-FM 94.1 KITT 105.3 KGB-FM 101.5 | Grand Junction KREX-FM 92.3 KOIX 93.1 |
| Bisbee KBAZ 92.1 Case Grande KBFE 105.5 KAXR 88.5 | Crescent City KVXJ 90.1 | KDIG 98.1 KLRO 94.9 | Greeley KUNC-FM 91.3 KGRE 92.3 |
| Flagstaff KFLG 92.9 KCTB-FM 93.9 | Delano KDNO 98.5 | KOZN-FM 103.7 KEZL 102.9 KPRI 106.5 | Gunnison KWSB-FM 91,9 |
| Glendale KXTC 92.3 Globe KIKO-FM 100.3 Kingman KZZZ 92.7 | Dinuba KLTA 98.9 Fl Caion KECR 93.3 | KPBS-FM 89.5 KSDS 88.3 | Ignacio KSUT 91.3 La Junta KBLJ 92.1 Lakewood • KLAK-FM 107.5 |
| Lake Hayasu City KBAS 95.9 Mesa KBUZ-FM 104.7 | El Centro KXO-FM 107.5 KEGH-FM 90.1 Escondido KOWN-FM 92.1 | KSON-FM 97.3 KYXY, 96.5 | Longmont KCDC 90.7 KLMO-FM 104.3 |
| KDKB-FM 93.3 KRFM 95.5 KMEO-FM 96.9 | Eureka KFMI 96.3 Fremont KFMR 104.9 | San Francisco KALW 91.7 | Manitou Springs KilO-FM 102.7 |
| KOOL-FM 94.5 KMCR-FM 91.5 | Fresno KFRY 101.9 KKDJ 105.9 | KDFC 102.1 KEAR 97.3 | Oak Creek KFMU 103.9 Pueblo KVMN 98.9 |
| KNIX-FM 102.5 KBBC 98.7 KHEP-FM 101.5 | KFIG 101.1 | KFOG 104.5 KFRC-FM 106.1 | KTSC-FM 89.5 KDJQ 97.9 |
| RPS-FM 89.5 Prescott KEZH 98.3 | KFYE 93.7 KKNU 102.7 KMJ-FM 97.9 | KIOI 101.3 KNAI-FM 99.7 KMPX 106.9 | KZLO 100.7 KPUB-FM 99.9 Rocky Ford KAVI-FM 95.9 Salida KVRH-FM 92.1 |
| Scottsdale KDOT-FM 100.7 Show Low KVWM-FM 93.5 | KPHD, 95.5 KYNO-FM 95.5 | KPOO 89.5 KQED-FM 88.5 | Security KWYD 105.5 |
| Sierra Vista KTAN-FM 100.9 Sun City KWAO 106.3 Tempe KUPD-FM 97.9 | Garden Grove KORJ 94.3 Gilroy KFAT 94.3 Glendale KUTE 101.9 | KRON-FM 96.5 KSAN 94.9 | Steamboat Springs KBCR 100.9 Sterling KYOT 96.7 Telluride KOTO 91.7 |
| Tsalle KNCC 91.9 Tueson KUAT-FM 90.5 | - Hanford KKYS 107.5 KIOY 103.7 | KŠFX 103.7 KUSF 90.3 KABL-FM 98.1 KKHI-FM 95.7 | Vall KVMT 104.7 Vindsor KUAD-FM 99.1 |
| KFMM 99.5 KAIR-FM 94.9 KCEE-FM 96.1 | Hemet KHSJ-FM 105.5 Hollister KHIP 93.5 | KYA-FM 93.3 | |
| KNIX-FM 102.5 KXEW-FM 93.7 | Inglewood KAGB-FM 103.9 Irvine KUCI 89.9 Jackson KNGT 94.3 La Canada KUNF 88.9 | KEZR 106.5 | CONNECTICUT |
| Yuma KWFM 92.9 Yuma KALJ 95.1 KJOK 93.1 | | KOME 98.5 KSJS 90.7 | Bridgeport WEZN 99.9 WPKN 89.5 |
| ARKANSAS | Lancaster KVIE 106.3 Livermore KKIQ 101.7 Lodi KWIN, 97.7 KCVR Radio | San Luis Obispo KUNA 96.1 KCPR 91.3 KCBX 90.1 | Brookfield WINE-FM 95.1 Danbury WLAD-FM 98.3 WXCI 91.7 |
| Arkadelphia KSWH 91.1 / KDEL-FM 100.9 | Lompoe KLOM-FM / 92.7 Long Beach KLON 88.1 KNOB 97.9 | San Mateo . KZOZ 93.3 KCSM 91.1 | Fairfield WSHU 91.1 |
| Ashdown KMLA 103.9 Benton KOOM 107.1 | KPEN 97.7 KSUL 90.1 | San Rafael KTIM-FM 100.9 Santa Ana KWIZ-FM 96.7 | Groton WSUB-FM 105.5 Guilford WGCT 90.5 Hamden WKCI 101.3 |
| Berryville KAAM 107.1 Blytheville KHLS 96.1 Brinkley KBRI-FM 102.3 | Los Aitos KFJC 89.7 KPEN 97.7 Los Angeles KLOS 95.5 | Santa Barbara KCSB-FM 91.5 | WQAQ 88.7 Hartford WHCN-FM 105.9 |
| Camden KWEH 97.1 Clarksville KLYR-FM 92.7 | KBCA 105.1 | KDB-FM 93.7 KTYD 99.9 KRUZ 103.3 | WDRC-FM 102.9 WCCC-FM 106.9 WJMJ 88.9 |
| Conway KUCA 91.5 KHDX 89.1 | KFAC-FM 92.3 KIQQ 100.3 | KTMS-FM 97.5 · Santa Ciara KARA 105.7 | WLVH 93.7 WQTQ 88.3 |
| Crossett KVEE-FM 105.1 KAGH-FM 104.9 Dardanelle KWKK 102.3 | KGBS-FM 97.1 KRTH 101.1 KJO1 98.7 | Santa Cruz KSCO-FM 99.1 KUSP 88.9 | WTIC-FM 96.5 |
| DeWitt KDEW-FM 96.7 El Dorado KRIL 99.3 | K11S-FM 102.7 KMET 94.7 | Santa Maria KXFM 99.1 KSMA-FM 102.5 | Hartford-Meriden WKSS 95.7 Kent WKSB 90.9 |
| KE711 103 1 | KNX-FM 93.1 K08T 103.5 KPFK 90.7 | Santa Monica KCRW 89.9 KSRF 103.1 | Middletown WESU 88.1 WIHS 104.9 |
| Fayetteville KKEG 92.1 KUAF 88.9 KNWA 103.9 Forrest City KBFC 93.5 | MOOLEM 090 | Santa Paula KAAP-FM 98.7 Santa Rosa KZST 100.1 KBBF 89.1 | Monroe WMNR 88.1 New Britain WRCH-FM 100.5 New Britain WFCS 90.1 |
| Ft. Smith KISH 93.7 KMAG 99.1 | KLVE 107.5 KWST 105.9 KXLU 88.9 KBIG 104.3 | KVRE-FM 91.5 Seaside KZEN 107.1 | New Canaan WSLX 91.9 New Haven WPLR 99.1 |
| Harrison KHOZ-FM 102.9 Heber Springs KAWW-FM 96.7 | KHOF 99.5 / | KTHO 103.1 | New London WYBC-FM 94.3 WTYD 100.9 WCN1 91.5 |
| Helena KCRI 103.1 | Los Gatos KRVE 95.3 | South Lake Tahoe KRLT 100.1 Stanford KZSU 90.1 Stockton KUOP 91.3 | Norwalk WNIK-FM 989 |
| Hot Springs KBHS-FM 96.7 KGIIS 97.5 Hot Springs KXOW-FM 108.3 | Mammoth Lakes KMMT 106.3 Manteea KNBS 90.3 Marysville KRFD 99.9 | KCJH 90.5 KJAX 99.3 | Stamford WSTC-FM 96.7 Storrs WHU8-FM 91.7 |
| Jacksonville KGMR-FM 100.3 Jonesboro KBTM-FM 101.9 | Menducino KMFB-FM 92.7 Mereed KBDR 89.1 KMYT 97.5 | KSJC-FM 69.5 KSTN-FM 107.3 Susanville KSUE-FM 92.7 | Waterbury WWYZ 92.5 WIOF 104.1 |
| KFIN 107.9 | Mission Viejo KSBR 88.5 | Thousand Oaks KNJO 92.7 Torrange KNHS 89.7 | West Haven WNHU 88.7 |
| KARN-FM 103.7 KLRE 90.8 | * KBHI-FM 89.9 KHOP 104.1 | Tracy KSRT 100.9 Travis AFB KVIK 91.6 Truckee KSML 101.7 | Westport WDJF 107.9 WWPT 90.3 WIIImantic WXLS 98.3 |
| KLAZ 98.5 | KDH8 90.5 | | TIONS MADES / Eatt Minter 10 |

| | | | | U.S. FI | OITATE N | NS BY L | OCATION |
|--|---|---|---|----------------------------|--|------------------------------|--|
| Location | Call MHz | Location | Call MHz | Location | Call MHz | Location | Call MHz |
| DI | ELAWARE | Plantation K | | | | ľ | |
| Bethany Be | ach WWTR-FM 95.9 | Pompano Bea | wX08 100.3 | Warner Robi | ms WRBN-FM 101.7 | Granite City Harrisburg | WGNU-FM 106.5 WEBU-FM 99.9 |
| Dover Georgetown | WD8D 94.7 WSEA 93.5 | Port Charlott Punta Gorda | WCCF-FM 92.7 | Washington Wayeross | WLUV-FM 100.1 | Havana Highland Pa | WUUK 99.3 |
| Hockessin | WZZE 88.7 WXDR 91.3 | Quincy Riviera Beach | WCKO 102.7 WEEJ 100.1 WCCF-FM 92.7 WCNH-FM 101.7 WGMW 94.3 | Waynesbore | WLTE 102.5 WWGA 100.9 WCJM 100.9 | Hinadale | WHSD 88.5 |
| Newark Milford Hohoboth Be | WAFL 97.7 | St. Augustine St. Petersbur | WFUT-FM 9/.7 | W. Point | WCJM 100.9 | Jacksonville Jacksonville | WEAT 100.5 WJBM-FM 104.1 |
| Seaford Wilmington | W8UX-FM 96.3 | | WQYK-FM 99.5 WWBA-FM 107.3 | Н н | IAWAII | Jollet | WLLI-FM 96.7 |
| A DULINGTON | WJBR 99.5 | Sarasota | | Hilo Honolulu | KKEA 97.9 | ' Kankakee | WBYG 99.9 |
| , | W8TW 93.7 | , Sebring | WSPB-FM 108.3 WKZM 105.5 WSKP-FM 105.5 | , | KUMU-FM 94.7 | Kewanee LaGrange | WKEI-FM 92.1 WLTL 88.1 WMXM 88.9 |
| Į | D. C. | Stuart | WMCF 92.7 WGLF 104.1 WFSU-FM 91.5 | İ | KEKI 93.9 KQMQ 93.1 KGMQ 93.1 | Lake Forest | WMXM 88.9 |
| Washington | WASH 97.1 | Tailahassee | WF8U-FM 91.5 | | KH88 97.5 | LaSaile Lawrenceville | WLNR-FM 106.3 WLPO-FM 99.3 |
| | WAMU-FM 88.5 WETA-FM 90.9 WEAN-FM 100.3 | | WOMA 94.9 | Walluku | KTUH 90.3 KAOI 95.1 | Lincoln | WAKD-FM 103.1 WLCC 88.9 WLNX 91.1 |
| | WGAY-FM 99.5 | Tampa | WOWD 103.1 | Walpahu | KULA 92.3 | | WPKG IOO.I |
| | WEIMS-FM TOXA | | WFLA-FM 93.3 WLCY-FM 94.9 | 1 | DAHO | Litchileid Lockport | WSMI-FM 106.1 WLRA 88.1 |
| | WGTB 90.1 WMAL-FM 107.3 WMOD 98.7 | | WEZX 104.7 WUSF 89.7 | Blackfoot | KBLI-FM 97.7 | Loves Park Macomb | E.IE MUIW |
| | WKYS 93.9 WHUR 96.3 | Titusville | WRMF-FM 98.8 | Boise | KBOI-FM 97.9 KBBK-FM 92.3 | Marion | WDDD 107.1 |
| | WPFW 89.3 | Venice Vero Beach | WPIO 89.9 WAMR-FM 92.1 | Burley | KRSII on i | Mattoon | WINI nn a |
| F | LORIDA | West Palm Be | WGYL 93.8 Pach WEAT-FM 104.5 WIRK-FM 107.9 | Caidwell | KBXL-FM 94.1 | Mendota | WGLC-FM 100.9 |
| Apopka | WTLN-FM 95.3 | | WEAT-FM 104.5 WIRK-FM 107.9 | Emmett Idaho Falls | KMFE 101.7 KID-FM 98.1 KUPI-FM 99.1 | Monmouth | WHTT 98.9 WVPC-FM 97.7 |
| Atlantic Beat Belle Glade | h WJNJ-FM 104.9 WSWN-FM 93.5 | Winter Haven | WWRN 92 I | Jerome | KIBQ 91.9 | Monticello Morris | WVLJ 105.5 WRMI-FM 104.7 |
| Bota Katan | wwnn nau | Winter Park | WHFL 97.8 WPRK 91.5 WLOQ 103.1 | Lewiston | KOZE-FM 96.7 | Micrison Mt. Carmel | WHMS 90.7 |
| Boynton Bear Bradenton | th WHRS 91.7 WDUV 103.3 WRCC 103.9 | | WPFL 88.9 | Moscow | KLHS 89.1 KUID 91.7 | Mt. Vernon | WVJC-FM 89.1 WMIX-FM 94.1 |
| Cape Coral Clearwater | WRCC 103.9 WTAN-FM 95.7 | C | ORGIA | | KUOI-FM 89.3 KRPL-FM 103.9 | Murphysboro Naperville | WTA0 104.9 WONG 89.1 |
| Clearwater- | ura WOYM 87 9 | | • | Nampa Pocatello | KFXD·FM 94.9 KBGL 48.7 | Normal | WGLT 89.1 |
| Cutoa Cocoa Beach | WEZY-FM 99.8 WCKS 101.1 | Albany | WGPC-FM 104.5 WJIZ 98.3 WWCW 101.7 | | K8NN-FM 93.7 K8IH 94.9 | Oak Park Olney | WGLD-FM 102.7 |
| Coral Gabies | W K K I • F M 104.1 | Americus | WIPE MAX | Rexburg | KRIC 90.1 | Uttawa | WSEI 92.9 WOLI 98.3 |
| Crestylew - | WYUM 90.5 WVUM 90.5 WAAZ-FM 104.9 | Athens | WPUR 97.7 WNGC 95.5 | Twin Falls | KADQ 94.3 KMTW 96.5 | Paris Park Forest | WACE 98.3 WRHS 88.1 |
| Crystal River | WRYO 98.5 | | WJ8R 104.7 | | KEZJ 95.7 | Park Ridge Pekin | WMTH 88.5 WSIV-FM 95.3 |
| Daytona Beac Daytona Beac | h WOYO INI 6 | Atianta · | WUOG 90.5 Wabe 90.1 Wplo-fm 103.3 | _IT | LINOIS | Peoria | WZRO 104.9 WMBD-FM 93.3 |
| DeFuniak Spr | WMFJ-FM (ul.) | | WZGC 92.9 | Alton | WOKZ-FM 100.3 - | | WCBU 89.9 WSWT 106.9 |
| Donnellon | WELE-FM 105.9 WTRS-FM 102.3 | | WKLS 96.1 WRAS 88.5 | Anna Arlington Heli | WRAJ-FM 92.7 thts WWMM 92.7 | Peru | WWCT 105.7 WGSY 100.9 |
| Fort Lauderd | MAFG 90.3 WGLO 108.7 | | WREK 91.1 | Aurora | WFVH 88.3 WKKD-FM 95.9 | Pittsfield Plano | |
| | WAXY 105.9 | Atlanta | WSB-FM 98.5 | Barrington | WAUR 107.9 | Pontiac Quincy | WSPY 107.1 WPOK-FM 103.1 WGEM-FM 105.1 |
| E4 M | WLQY 101.7 WSHE 103.5 | Augusta | WLTA 99.7 WAUG-FM 105.7 WACG-FM 90.7 | Beardstown Beividere | WRMS-FM 94.3 | Quincy | WWQC -90.3 |
| Ft. Meyers | WINK-FM 98.9 WHEW 101.9 | | WBBQ-FM 104.3 WGUS-FM 102.3 | Benton | WKWL 104.9 WQRX 106.3 WBNQ 101.5 | Rantoul | WQCY 99.5 WRTL-FM 95.8 |
| Ft. Pierce | W80R 95.3 WLQY 98.7 | | WZZW 103.1 | Bloomington Bloomington | WESN AR.I | Hiver Grove Hobinson | WPPC DO A |
| Ft. Walton Be | WOVV 95.5 | Beinbridge Blue Ridge | WJAD 97.3 WPPL 103.9 | Cahokia Canton | KRTE 89.5 WBYS-FM 98.5 | Rochelle Rockford | WTAY-FM 101.7 WRHL-FM 102.3 |
| T Walton D | WFTW-FM 99.3 ` | Brunswick | WSBI-FM 100.7 WYNR-FM 101.5 | Carbondale | WSIU 91.9 WCIL-FM 101.5 | Rock Island | WZOK 97.5 WQFL 100.9 WHBF-FM 98.9 |
| Gainesville | WFTW-FM 103.7 WRUF-FM 103.7 | Buford Canton | WGCD 1023 | Carlinville Carmi | WIB1 91.1 | Salem | WVIK 91.1 |
| | WGVL 105.5 WGLY 98.3 | Carroliton | WCHK-FM 105.5 WBTR-FM 92.1 | Centralia Champaign | WRXX 95.3 | Savanna | WJBD-FM 100.1 WCC1 100.1 WSHY-FM 104.9 |
| Hlaleah | prings WKKJ 92.7 WCMQ-FM 92.1 | Chatsworth | WWGC RAS | Charleston | WLRW 045 | Shelbyvilles Skokre | WRSV 101.9 |
| immokallee Jacksonviise | WLEQ 95.9 WJAX-FM 95.1 | Claxton Cochran | WQMT 99.3 WCLA-FM 107.1 WVMG-FM 96.7 | Chicago | WEIC-FM 92.1 WBBM-FM 96.3 | S. Beloit | WCLR 101.9 |
| | WJAX-FM 95.1 WFAM 91.1 WQIK-FM 99.1 | Cochran Columbus | WRBL-FM 102.9 WHYD-FM 107.3 | | WBEZ 91.5 WBH! 88.5 | South Bend Springfield | WWJY 100.5 WDBR 103.7 |
| - | WIVY-FM 102.9 WJEE 107.3 | Cerdele | WWRH 104.9 WFAV 98.3 | - | WCYC 88.7 WZRD 88.3 | | WFMB 104.5 WVEM 101.9 |
| 7 | W W T 7 - E M 114 1 | Gornelia Dawson | WCON-FM 99.3 | | WDHF 95.5 | Sterling | |
| | WAIV 96.9 WJCT-FM 89.9 WYFL-FM 89.1 WRYZ-FM 98.7 WFYN-FM 92.5 | Desatur Douglas | WPCH 94.9 I | | WEFM 99.5 WSDM 97.9 | Streator Sullivan | WVJM 94.3 WLAX 97.7 WFWA 106.3 |
| Jupiter Key West | WYFL-FM 89,1 WRYZ-FM 98.7 | Dublin | WOKA-FM 92.1 WDMG-FM 99.5 | | | Summit Laylerville | WARG 88.9 |
| | | Eastman | WXLI-FM 92.7 WUFF-FM 92.1 | | WJD-FM 104.3 WKKC 89.3 WGCI 107.5 WFMT 98.7 | Tuscola | WEEE 92.7 WITT 93.5 |
| Lake City Lakeland | WTDL-FM 94.3 WVFM 94.1 | Elberton Fersyth | WFNE 97.1 | | WFMT 98.7 | Urbana | WILL-FM 90.9 WPGU 107.1 |
| Leesburg | W L B E - F M 106.7 | Gainesville | WWID 108.7 WFOX 97.1 | | WFYR 103.5 WNIS-FM 101.1 WMBI-FM 90.1 | Vandalla | WTWC 103.9 WKRV 107.1 |
| Lehigh Acres | WHLY 106.7 | Gordon Griffin | WKOG-FM 107.1 | | WNIB 97.1 | Watseka Waukegan | WGFA-FM 94.1 |
| Marathon, FL | WAYK-FM 107.1 WQHL 98.1 WMUM 94.3 | Hawkinsville Haziehurst | WWID 108.7 WFOX 97.1 WKEU-FM 97.7 WCEH-FM 97.7 WCEH-FM 103.9 WVOH-FM 93.5 WJGA-FM 92.1 WJFO-FM 105.5 WSOJ-FM 98.3 WLAG-FM 104.1 WPEH-FM 92.1 WCRY-FM 107.9 | | WLAK 93.9 | W. Frankfurt ∤Wheaton | WFRX-FM 97.7 WETN 88.1 WYFE-FM 95.3 |
| Marianna Melbourne | WTOT-FM 100.9 WYRL 102.3 WTAI-FM 107.1 | Jackson Jeeup | WJGA-FM 92.1 | Clinton | WUIC 88.1 WHOW-FM 95.9 WCBW 104.9 | Winnebago Winnetka | WYFE-FM 95.3 |
| | WTAI-FM 107.1 WFIT 91.5 | La Grange | WSOJ-FM 98.3 | Columbia Crest Hill | | Woodstoek Zion | WNTH 88.1 WSTK 105.5 WKZN 96.9 |
| Mlami | WFIT 91.1 | Louisville | WPEH-FM 92.1 | Crete Danville | WTAS 102.3 WMBJ 102.1 WIAI 99.1 | * | . 8 |
| 1 16/201 | WTM1 93.1 WJHR 98.3 WGOS-FM 93.9 | Macon | WDEN-FM 1003 | Decatur | WSOY, FM 103 0 | | IANA |
| | W/GL 107.5 | Manchester | WFDR-FM 99.1 | | WSOY-FM 102.9 WJMU 89.9 | Anderson | WLHN 97.9 |
| | WDNA 88.9 WAIA 97.3 | Mariotta Metter | WHIE 101.5 | Dekaib \ | WDZQ 95.1 WNIO-FM 89.5 WLBK-FM 92.5 | Angola Auuurn | WLKI 100.1 WIFF-FM 105.5 |
| | WMCU 89.7 | | WMVG-FM 102.3 - WXGC 88.9 | Des Piaines Dixon | WLBK-FM 92.5 WYEN 106.7 | Aurora Bedford . | WSCH 99.3 |
| Miami ~ | WMJX 96.3 WLRN-FM 91.3 WEDR 99.1 | Moultrie Newnan | WMVG-FM 102.3 - WXGC 88.9 WMTM-FM 93.9 WCOH-FM 96.7 WPGA-FM 100.9 WZOT 107.1 WRGA-FM 102.3 WROM-FM 97.7 | Downers Grove | WYEN 106.7 WIXN-FM 101.7 WDGC-FM 88.3 | Bioomington | WFIU 103.7 WGTC 92.3 |
| Miami Beach | WEDR 99.1 WOCN-FM 94.9 | Perry Rockmart | WPGA-FM 100.9 | Dundee Du Quoin | WDQN-FM 95.9 | Bluffton Boonville | WCKD IOO ! M |
| Milton Mt. Dora | WOCN-FM 94.9 WXBM-FM 102.3 WORJ-FM 107.7 WNFM 94.5 | Rome | WRGA-FM 102.3 | East Moline | WEMO 101.3 WMRY 101.1 | Brazii Carmei | WBNL-FM 107.1 |
| Naples Naples | WNFM 94.5 | | WOWE 105.5 | Edwardsville Effingham | WSIE 88.7 WCRA-FM 95.7 | Chesterton | WHOE 91.3 WDSO 89.1 WFDT 108.3 |
| napies New Port Riche | W N I U 92.1 I | Sandersville Sevannah | WOWE 105.5 WSNT-FM 94.3 WTOC-FM 94.1 WZAT 102.1 WHCJ 88.5 | Elderado Elgin | WKSI 102.3 | Columbia City Columbus | |
| UGRIR | WFUZ 93.7 | | WZAT 102.1 WHCJ 88.5 | Eimhurst | WJKL 94.3 I | Connersville | WWWY 104.9 WCNB-FM 100.3 WNDY 108.3 |
| Dkeechobee Driando | WFUZ 93.7 WLMC 108.1 WDBO-FM 92.8 | | W10F-LW 80'2 | Elmwood Park | WRSE-FM 88.7 . WXFM 105.9 | Crawfordsville | WNDY 108.3 |
| | WHOD-FM URE | | WEAS-FM 93.1 WSGF-FM 95.5 | Elsah Evanston | WTPC 89.7 | Crown Point Danville | WLFQ 103.9 WFLM 103.9 |
| | WKI8-FM 100.3 | Smyrna Stateshare | WXLM 97.3 WQXI-FM 94.1 | <u>Fairfield</u> | WNUR 89.3 WFIW-FM 104.9 | Decatur Elkhart | WADM-FM 92.7 |
| Palatka | WDBO-FM 92.3 WDIZ (00.8 WHOO-FM 96.5 WKI8-FM 100.3 WBJW 105.1 WIYD-FM 99.9 WJNO-FM 97.9 WPFM 107.9 WGNE-FM 98.5 | Stateshore | WMCD 100.1 I | Flora Flossmoor | WNOI-IORG I | | WGRT 107.1 WADM-FM 92.7 WYEZ 100.7 WXAX 104.7 WVPE 88.1 |
| | WPFM 107.9 | Swainsbore Thomasville | WJAT-FM 98.8 | Freeport | WFRI.FM USS | | WOMP IUI./ |
| Palm Beach | | Thomson | WTHO-FM 101.7 | Ontonham | WVKC 90 8 | Evansville' | WIKY-FM 104.1 |
| Palm Beach | WGNE-FM 98.5 WKGC-FM 90.7 | Tifton | WABR-FM 90 5 | Galesburg | WVKC 90.5 | | WEVC 91.5 |
| Palm Beach Panama City Pensacola | WPAP-FM 92.5 WMEZ 94.1 | Tifton Toespa | WARR-FM OOK | Geneseo | WGIL-FM 94.9 WRSQ-FM 104.9 | | WPSR 90.7 |
| Palm Beash Panama City | WPAP-FM 92.5 | Tiften Toecca Vidalla Valdesta | WABR-FM 90.5 WCUP 100.3 WLET-FM 106.1 WTCQ 97.7 WGOV-FM 92.9 WVV8 89.9 | _ | WGIL-FM 94.9 WRSQ-FM 104.9 WLCA 59.9 WDCB 90.9 WDCB 98.5 | Furt Wayne | WEVC 91.5 WPSR 90.7 WVHI 105.3 WPTH 95.1 WBCL 90.3 WCMX 101.7 |

| U.S. FA | M STATIO | NS BY LOCATION | V | and the second |
|---|---|--|--|--|
| Location | Call MHz | Location Call MHz | Location Call MHz | Location Call MHz |
| | WMEF 97.3 | KDMI 97.8 KLYF 100.3 | Frankfort WKYW 104.9 Fulton WFUL-FM 99.7 | Springhill KTKC 92.7 Thibodaux KTIB-FM 106.3 |
| Franklin | W F CI 89.8 W F CI 89.8 W I F N 95.9 | KGGO 94.9 KRNQ 102.5 | Georgetown WAXU-FM 183.1 | VIIIe Platte KVPI-FM 93.5 W. Monroe KYEA 98.3 |
| Frankfort | WBCL 90.3 WILO-FM 99.7 | KMCK 933 | Gravann WGOH-FM 102.3 | Winnfield KVCL-FM 92.1 |
| Gary Gaston | WGVE 88.7 WDHS 89.9 | Dubuque WDBQ-FM 105.3 KFMD 92.9 Estherville KILR-FM 98.9 | Hardinsburg WHIC-FM 94.3 Harrodsburg WHBN-FM 99.8 | |
| Goshen | WGC8 91.1 WZOW 97.7 | Estherville KILR1FM 95.9 Fairfleid KBCT 95.9 Ft. Dodge KKEZ 94.5 | Hartford WLLS-FM 106.8 | MAINE |
| Greenenstis | WGRE 91.7 WXTA 94.3 | Fairfleid KBCT 95.9 Ft. Dodge KKEZ 94.5 KTGA 92.1 KICB 88.1 | Handanan WKDO 99.0 | Augusta WFAU-FM 101.3 Bangor WBGW 97.1 |
| Greensburg | W8MJ 99.8 WTRE-FM 107.3 WYCA 92.3 | Fort Madison KXGI-FM 101.7 Grinnell KDIC 88.5 | Hindman WKCB-FM 107.1 Hodgenville WLCB-FM 106.3 | Bangor WPBC-FM 92.9 WMEH-FM 90.9 |
| Hammond Hartford City Howe | WWHC 104.9 WHWE 89.7 | Hampton KQHJN 104.9 Humboldt KHBT 97.7 | Hopkinsville WHDP-FM 98.7 WKOF 100.3 | WWNO 89.9 Bath WJTO-FM 95.3 |
| Huntingburg | WBDC 100.9 | Independence KOUR-FM 95.3 | Jamestown WJRS-FM 103.1 Jenkins WREM-FM 94.3 Leitchfield WMTL-FM 104.9 | Biddeford WBSF 91.7 WIDE-FM 94.3 |
| Indianapolis | WHLT-FM 103.1 WAJC 104.5 | KRNA 93.5 KICG 100.7 Iowa Falls KIFG-FM 95.3 | Leitchfield WMTL-FM 104.9 WBKY 91.3 WLAP-FM 94.5 | Brunswick WBOR 91.1 WBHS 91.9 |
| | WBDG 90.9 WJEL 89.1 | lowa Falls KIFG-FM 95.3 Keckuk KIMI 95.3 Knoxville KRLS 92.1 | WYOO ON I | Calala WCME-FM 98-9 WQDY-FM 92.7 |
| | WEDM 91.1 WICR 88.7 WFBQ 94.7 | KTAV 92. | WYLK-FM 92.9 London WFTG-FM 103.9 Louisville WFPK 91.9 | Caribou WFST-FM 97.7 Filsworth WDEA-FM 95.7 |
| | WFMS 98.5 WXTZ 103.8 | Maquoketa KMAQ-FM 95.3 Marshalltown KFJB-FM 101.1 | WFPL 89.3 WFIA-FM 103.9 | WKTJ-FM 99.3 |
| | WIAN 90.1 WNAP 93.1 | Mason City KLSS 108.1 Mount Pleasant KILJ 105.5 | WNNS 97.5 WKLO-FM 99.7 | Ft. Kent WUFK 90.3 Gardiner WKME 104.3 Gorham WMPG 91.1 |
| Jasper | WTLC-FM 105.7 W1TZ-FM 104.7 | Mt. Vernon KRNL-FM 89.7 Muscatine KFMH 99.7 | WVEZ 106.9 WLRS 102.3 Madisonville WFMW-FM 93.9 | Gorham WMPG 91.1 Houlton WRNE 89.1 WHOU-FM 100.1 |
| | WQH! 95.7 WAWK-FM 93.8 WKVI-FM 99.3 | Newton KLVN 95.9 Oelweln KOEL-FM 92.3 Oskaloosa KBOE-FM 104.9 | Manchester WWXL-FM 103.1 | Lewiston WCOU-FM 93.9 WRJR 91.5 |
| Knox Kokomo | WKVI-FM 99.3 WWKI 100.8 WKMO 93.5 | KIGC 88.7 | Maysville WFTM-FM 95.9 Middlesberg WMIK-FM 92.7 | Lewiston-Auburn WBLM 107.5 Lincoln WLKN-FM 99.3 |
| Lafayette | WASK-FM 105.3 WAZY-FM 96.5 | Ottumwa KLEE-FM 97.7 Pella KCUI 89.1 KPLL 103.3 | Monticello WFLW-FM 101.7 Morehead WMOR-FM 92.1 | Norway WOXO 92.7 Orono WMEB-FM 91.9 |
| | WJJE 91.9 WXUS 92.7 | Perry KDLS-FM 104.9 Sheldon KIWA-FM 105.5 | Morganfield WMSK-FM 95.3 | Portageville KMIS-FM 106.3 Portland WDCS 97.9 |
| La Porte Lebanon | WLOI-FM 96.7 WNON 100.9 | Sioux Center KDCR 91.3 KVDB-FM 94.3 | Munfordville WLUG-FM 102.3 | WPOR-FM 101.9 WGAN-FM 102.9 WMEA 90.1 |
| Linton Logansport | WSAL-FM 102.3 | Sloux City KSEZ 97.9 KBCM 95.5 | Murray WAWW 103.7 WKMS-FM 91.3 Owensboro WBKR 92.5 | Presque Isle WDHP 96.9 WUPI 91.1 |
| Lowell Madison Marlon | WLCL-FM 107.1 WORK-FM 96.7 WMRI 106.9 | Spencer KICD-FM 107.7 Storm Lake KAYL-FM 101.5 | WSTO 96.1 | Rockland WRKD-FM 93.5 |
| Martinsville Michigan City | WCRK+FM 102.3 | Twin Lakes KTLB-FM 105.5 Washington KCII-FM 95.3 | Paintsville WSIP-FM 98.9 | Sanford WSME-FM 92.1 Scarborough WJBQ-FM 106.3 |
| Monticello Muncie | WVTL 95.3 WLBC-FM 104.1 | Waterloo KNWS-FM 101.9 KFMW 107.9 | Paris WBGR-FM 96.7 Pikeville WKHR 92.1 Pineville WTJM 106.3 | Skowhegan WTOS-FM 107.1 Springvale WNCY 91.1 Waterville WTVL-FM 98.3 |
| Marine and I | WBST 90.7 WWHI 91.5 | Waukon KXEL-FM 105.7 Waukon KNEI-FM 103.9 | Prestonburg WDOC-FM 95.5 WPRT-FM 105.5 | Waterville WTVL-FM 98.3 WMHB 91.5 Westbrook WRQN 100.9 |
| New Albany New Castle | WNAS 88.1 WMDH 102.5 WBKE-FM 89.5 | Waverly KWAR 89.1 KWAY-FM 99.3 Webster City KQWC-FM 95.9 | WUKP 89.1 Princeton WPKY-FM 104.9 | MARYLAND |
| N. Manchester North Vernon | WBKE-FM 89.5 WOCH-FM 106.1 WSND-FM 88.9 | West Des Moines KWDM 88.9 | Providence WHRZ 97.7 Richmond WEKU-FM 88.9 | |
| Paoli Pendleton | WVAK-FM 95.3 WEEM 91.7 | KANSAS | Russellville WAKQ 101.1 | Annapolis WNAV-FM 99.1 WFSI 107.9 Baltimore WBJC 91.5 |
| Peru Plainfield | WARU-FM 98.3 WART 98.3 | Abilene KABI-FM 98.3 Baldwin KNBU 88.9 | Scottsville WLCK-FM 99.3 | WCAO-FM 102.7 WEAA 88.9 |
| Plymouth Portland | WTCA-FM 94.3 WPGW-FM 100.9 | Chanute KKOY-FM105.5 Colby KXXX 100.3 | WSCC 90.7 | WPOC 93.1 WRBS 95.1 |
| Princeton Rensselaer | WRAY-FM 98.1 WJCK 97.7 WQLK 96.1 | Dodge City KGNO-FM 95.5 El Dorado KOYY-FM 99.3 | Stanton WSKV 104.9 Tompkinsville WTKY-FM 92.1 | WBAL-FM 97.9 WDJQ 104.3 |
| Richmond | WECI 91.5 WKBV-FM 101.3 | Et Dorado KOYY-FM 99.3 Emporia KLRF 104.9 Garden City KUPK-FM 97.3 | Versaliles WJMM 100.9 Whitesburg WTCW-FM 103.9 | WLIF 101.9 WLPL-FM 92.3 WMAR-FM 106.5 |
| Rochester Rushville | WROI 92.1 WRCR 94.3 | Great Bend KBJC 91.9 | Winchester WKDJ 100.1 | WSPH 90.3 WHFC 88.1 |
| Salem Scottsburg | WSLM-FM 98.9 WMPI 100.9 | Hays KJLS 103.3 Hutchinson KSKU 102.1 | LOUISIANA | Bethesda WJMD 94.7 |
| | WSVL-FM 97.1 | KHCC-FM 90.1 KWBW-FM 102.9 Independence KIND-FM 101.7 | Abbeville KROF-FM 104.9 Alexandria KDBS-FM 100.3 | Bladensburg WPGC-FM 95.5 Bradbury Heights WPGC 95.5 Braddock Heights |
| South Bend | WETL 91.9 WHME 103.1 WNDU-FM 92.9 | Junction City KJCK-FM 94.5 | Bastrop KTRY-FM 94.3 | WZYQ-FM 103.9 |
| | WRBR 103.9 WSBT-FM 101.5 | KCKN-FM 94.1 Larned KANS-FM 96.7 | Baton Rouge WFMF 102.5 WAFB-FM 98.1 WQXY-FM 100.7 | Cambridge WCEM-FM 106.3 Catonsville WKTK 105.7 Cumberland WPVM 102.9 |
| Terre Haute | WTHI-FM 99.9 WBOQ 107.5 | Lawrence KANU 91.5 KLWN-FM 105.9 | WYNK-FM 101.5 Crowley KH10 .102.9 | WKGO 106.1 Easten WEMD-FM 96.7 |
| | WBOW 107.5 WPFR 102.7 | KJHK 90.7 Leavenworth KCLO-FM 98.9 | De Ridder KEAZ 101.7 Donaldsonville KSMI-FM 104.9 | Frostburg WFRB-FM 105.3 |
| Waterb | WVTS 100.7 WISU 89.7 WKUZ 95.9 | Lyons KLDQ 106.1 Manhatten KMKF 101.7 Marysville KNDY-FM 103.1 | Franklin KFRA-FM 95.3 | Glen Burnie WISZ-FM 95.9 Hagerstown WJEJ-FM 104.7 WARK-FM 106.9 |
| Wabash Warsaw | WHFG 91.1 WRSW-FM 107.3 | McPherson KNEX-FM 98.7 | Grambling KGRM 91.3 | Haifway WQCM 96.7 Havre De Grace WHDG 103.7 |
| Washington W. Terre Haute | WFML 106.5 WWVR 105.5 | KOEZ 92.3 Ottowa KOFO-FM 95.7 | WFPR-FM 107.1 KSLU 90.9 | WMSG-FM 92.1 LaPlata WXTR-FM 107.1 Prince Frederick WMJS 92.7 |
| / Valparaiso | WLJE 105.5 WVUR 89.5 | Parsons KPPS-FM 91.1 Pittsburg KMRJ 96.9 Pratt KWNS-FM 93.1 | Houma KCIL 107.1 KHOM 104.1 | Princess Anne WOLC 102.5 |
| Vevay Vincennes | WMGH 95.9 WAOV-FM 96.7 WVUB 91.1 | Pratt KWNS-FM 93.1 Russell KRSL-FM 95.9 Salina KSKG 99.9 | Jena KINA 93.3 Jennings KJEF-FM 92.7 Jonesboro KTOC-FM 104.9 Lafayette KPS 48.3 KPEL-FM 99.3 | WICO-FM 94.3 |
| Winchester | WIUC 98.3 | Scott City KFLA-FM 94.5 | Jonesboro KTOC-FM 104.9 KRVS 88.3 KPEL-FM 99.9 | Towson WCVT 89.7 |
| IC IC | AWC | KSWT 987 | Lake Charles KLCL-FM 99.5 | Westminster WTTR-FM 100.7 |
| Algona Ames | KLGA-FM 92.7 KCCQ 107.1 | WIBW-FM 97.3 KTPK 108.9 Wighita KBRA 97.9 | KGRA 103.7 KSNS 96.1 | Worton WKHS 90.5 |
| Ailles | W01-FM 90.1 KLFM 104.1 | Wighita KBRA 97.9 KARD-FM 103.7 KEYN-FM 103.7 KFDL 101.3 | KSNS 96.1 Lake Providence KBED 92.7 La Piace WCKW 92.3 Marksville KAPB-FM 97.7 | MASSACHUSETTS |
| Atlantie | KPGY 91.9 KJAN-FM 103.7 KJAN-FM 103.7 | KMUW 89.1 | Monroe KMLB-FM 104.1 KNLU 88.7 | Amherst WAHM 89.5 |
| Atlantic Beone | KFGO-FM 99.3 | Winfield KSWC 88.8 | KNOE-FM 101.9 KREB 106.1 | WFCR 88.5 WMUA 91.1 |
| Burlington | KWBG-FM 98.3 KBUR-FM 107.3 KGRS 107.3 | KENTUCKY | Matabltoches KDRH 97.7 | Andover WPAA 91.7 Barnstable WQRC 99.9 Boston WBUR 90.9 |
| Burlington Carroll Cedar Falls | KGRS 107.3 KCIM-FM 93.7 KHKE 88.1 | Albany WANY-FM 106.3 Ashland WAMX 93.7 Barbourville WYWY-FM 93.5 | New Orleans WBYU 95.7 | WBCN 104.1 WBZ-FM 106.7 |
| Cedar Rapide | KUNI 90.9 KHAK-FM 98.1 | I MUSTIVALIA W.IC 102.3 | New Orleans WBYU 95.7 WQUE 93.3 WEZB 97.1 | WEEI-FM 103.3 |
| | KCOE-FM 90.9 KCCK-FM 88.3 | Benton WCBL-FM 102.3 | WNOE-FM 101.1 WRNO 99.5 | WERS 88.9 WCOZ 94.5 WJIB-FM 96.9 |
| | WMT.FM 96.5 | Brandenburg WMMG 93.5 | WWNO 89.9 | WRBB 91.7 WROR 98.5 |
| Contamilia | KQCR 102.9 KTOF 104.5 KCOG-FM 98.7 KCHA-FM 104.9 | Complete WICO-FM 103.9 | WYLD-FM 98.5 WWL-FM 101.9 Oakdale KCWR 104.9 | Bridgewater WBIM-FM 91.5 Brockton WBET-FM 97.7 |
| Centerville Charles City Cherokee | KCHA-FM 104.9 KCHE-FM 102.3 | Catlettsburg WCAK 92.9 | | Brookline-Boston WBOS 92.9 Cambridge WGBH-FM 89.7 |
| Cherokee Clarion Clinton | KRIT 96.9 | Corbin WAIN-FM 93.5 | Opelousas KSLO-FM 107.1 Ruston KRUS-FM 107.1 KLPI 89.1 | WTBS 88.1 |
| Council Bluffs | KCLN-FM 97.7 KOKQ-FM 98.5 | Cythiana WCYN-FM 102.3 | Shreveport KRMD-FM 101.1 KEPT 96.5 | Concord WIQH 88.3 Dudley WNRC 91.1 Easton WSHL-FM 91.3 |
| Creston Davenport | KITR 101.7 | Danville WMGE 107.1 Elizabethtown WQXE 106.3 Elkhorn City WECL 103.1 | KMBQ. 93.7 KSCL 91.3 KROK 94.5 | Falmouth WC1B 101.9 |
| Denison | KALA 90.1 KWNT-FM 106.5 KDSN-FM 107.1 | Erianger WHKK 100.9 Ft. Campbell WABD-FM 107.9 Ft. Knox WSAG-FM 105.5 | KROK 94.8 KCOZ 100.1 SIIdell WVSL-FM 105.3 | Framingham WVBF 105.7 WFSB 91.3 |
| | KDPS 88.1 | Ft. Knox WSAC-FM 105.5 | 1 0114011 # F 0E-F III 100.0 | Wasin /Fall Winter 19 |

| | | | U.S. FM STATIC | NS BY LOCATION |
|--|--|--|---|---|
| Location | Call MHz | Location Call MHz | Location Call MHz | Location Call MHz |
| Franklin Gloucester | WGA0 91.3 WVCA-FM 104.9 | Hilisdale WCSR-FM 92.1 Holland WJBL-FM 94.5 | Pipestone KLOH-FM 98.7 KRSW-FM 91.7 | K60U 88.1 |
| Greenfield Haverhill Holyoke | WHAV-FM 98.3 WHAV-FM 92.5 | Houghton WHTC-FM 96.1 | l Preston KFIL.FM (ng) | KFMZ 98.3 KTGR-FM 98.7 KOPN 89.5 |
| Hyannis Lawrence | WCCH 89.5 WCOD 106.1 WCCM-FM 93.7 | Interlochen WIAA 88.3 Iron Mountain WINR-FM 103.9 | Princeton WQPM 106.3 Red Wing KCUE-FM 105.5 Redwood Falls KLGR-FM 97.7 Richfield WY00-FM 101.3 | Crestwood KSHE 94.7 Dexter KDEX-FM 102.3 Doniphan KOEA 97.7 |
| Lowell Lynn | WSSH 99.5 | IFORWOOD WIMI 99.7 Ishpeming WJPD-FM 92.8 | Rochester KROC-FM 108.9 KNCV 101.7 | El Dorado Springs KESM-FM 107.1 |
| Maynard Medford | WLYN-FM 101.7 WAVM 91.7 WWEL-FM 107.9 | Jackson WHFI 94.1 WJOX-FM 106.1 | KRKP 89.9 | Ferguson KCFV 89.5 Florissant KSCF 97.1 |
| Milton New Bedford | WMF0 91.5 WMLN-FM 91.5 | WiDR 89.1 | KOLM-FM 96.7 Rushford KLSE-FM 91.7 St. Cloud KCLD-FM 104.7 | Fulton KKCA 97.7 Greenfield KRFG 93.5 Hannibal KGRC 92.9 |
|) Newbury | WMYS 98.1 WQLI 88.7 | WCAA 89.9 WQLR 106.5 Lansing WJIM-FM 97.5 | St. Cloud WWJO 98-1 St. Louis Park KFMX 104-1 | Harrisonville KIEE 100.7 Hillsbore KHKA 88.9 |
| Newton N. Adams | WZBC 90.3 WMNB-FM 100.1 | WILS-FM 101,7 WITL-FM 100,7 | 1 Sauk Centre KMSR 94.3 | Houston KSCM-FM 99.3 Jefferson City KJFF 106.9 KLUM-FM 88.9 |
| N. Andover Northampton | WMMC 90.5 WHMP+FM 99.3 | Ludington WKLA-FM 106.3 Maristee WRRK 97.7 | Thief River Falls KAVS 89.5 KOSN-FM 99.3 | Joplin KOBC 91.3 |
| North Dartmet Orleans Pittsfield | with WUSM 90.5 WVLC-FM 104.7 WQRB 105.5 | WHWL 95,7 | Virginia WIRN 107.1 Wadena KKWS 105.9 Waseea KQDE-FM 92.1 | KSYN 92,5 KPCG 102.5 Kansas City KCEZ 94.9 |
| • | WGRG-FM 95.9 WBRK-FM 1017 | Marshall WELL-FM 104.9 Midland WSVC 99.7 | Willmar KQIC 102.5 Windom KDOM-FM 94.3 | KBEQ 104.3 KTSR 90.1 |
| Plymouth Rockland Salem | WPLM-FM 99.1 WRPS 91.5 WMWM 91.7 | Monroe WRCI 93.5 WVMO 98.3 | Winona KAGE-FM 95.3 KQAL 88.5 Worthington KWOA-FM 95.1 | KCUR FM 89.3 KLJC 88.5 KMBR-FM 99.7 |
| Sandwich Sheffield | WSDH 91.7 WBSL 91.7 | Mt. Pleasant WCMU-FM 89.5 WCEN-FM 94.5 | MISSISSIPPI | KPRS 103.3 KXTR 96.5 KWKI 93.3 |
| Southbridge South Hadley Springfield | WESO-FM 100.1 WMHC 90.7 WHYN-FM 93.1 | Munising WMHW-FM 91.5 | Aberdeen WHAY 105.5 | Kennett KYYS 102.1 |
| 2, | WMAS-FM 94.7 WAIC 91.9 | Muskegon Hts. WKIR-FM 104.5 | Amory WAFM 95.3 Bay Springs WX1Y 93.5 Biloxi WQID 93.7 | Kirksville KRXL 94.5 Lebanen KJEL-FM 103.7 Lexington KBEK 106.3 |
| | WAQY 102.1 WSCB 88.9 WTRZ 89.1 | Niles WNIL-FM 95.3 Novi WOVI 89.5 Oak Park WOPR 90.3 | Booneville WBIP-FM 99.3 Brandon WRJH 97.7 | Liberty KWPB 91.9 Marshall KMFL-FM 102.9 |
| Stockbridge | WTCC 90.7 WCWL 91.3 | Olivet WOCR 89.7 | Brookhaven WMRQ 92.1 Canton WWLM 101.7 Clarksdale WJB1 101.7 | Maryville KNOS 91.7 Maryville KNIM-FM 95.3 |
| Taunton Tisbury Walpole | WKLM 93.3 WVOI-FM 95.9 | Feloskey WJML-FM 98.9 | Cleveland WPXI 92.7 | Mexico KWWR-FM 95.7 |
| Waltham | WWWA 91.5 WBRS 91.7 WCRB 102.5 | Port Huron WSAD 107 | ## Clinton WCLD-FM 103.9 WHJT 93.5 Coldwater WVIM-FM 95.3 Collumbia WFFF-FM 96.7 | Parkville KGSP 90.5 |
| W. Yarmouth Wellesley Westfield | WOCB-FM 94.9 WZIV 915 | WSGR-FM 91.3 WORW 91.9 | Columbia WFFF-FM 96.7 Columbus WJWF 103.1 WLNK 90.9 | Poplar Bluff KPBM FM 94.5 |
| Weston | WSKB 91.5 WRSB 88.3 WCFM 91.9 | Saginaw WKCQ 98.1 | Corinth WALP 90.5 WKCU-FM 94.3 | Rolla KCLU-FM 94.8 KMNR 89.7 |
| Winchester \ Worcester | WHSR-FM 91.9 WAAF 107.3 | St. Johns WRRI.FM 021 | WADI 95.3 Drew WDRU 95.3 Ellisville WBSJ 102.3 | KZNN 105.3 WUMR 88.5 St. Charles KCLC 89.1 |
| | WICN 90.5 WSRS 96.1 WCUW 91.3 | St. Joseph WIRX 107.1 Sandusky WMIC-FM 97.7 Sault Ste. Marie WSMM 99.5 | Fulton WFTA 101.7 | Ste. Genevieve KSGM-FM 105.7 |
| МІС | HIGAN | Southfield WSHJ 88.3 Spring Arber WSAE 80.9 | Greenville WBAQ 97.9 WDMS 100.7 Greenwood WSWG-FM 99.1 | St. Louis KCFM 93.7 |
| Adrian | WLEN 103.9 WABJ-FM 95.3 | Sturgis WSTR-FM 99.3 Tawas City WDB1-FM 101.7 Three Rivers WLKM-FM 95.9 | Grenada WRIL 100.1 Gulfport WROA-FM 107.1 | WIL-FM 92.3 |
| Albion | WABJ-FM 95.3 WVAC 88.1 WUFN 96.7 | Traverse City WLDR 101.9 WCCW-FM 92.1 WTCM-FM 103.5 | WTAM 102.3 Hattiesburg WHYS-FM 104.5 | KMOX-FM (03.3 |
| Allendale Alma | WSRX 88.5 WFYC-FM 104.9 | Materiora WISD BRI | WHER 103.7 WMSU 91.4 Hazelhurst WMDC-FM 100.9 | KLPH 89.9 KLSQ 98.1 |
| Alpena Ann Arbor | WHSB 107.7 WATZ-FM 93.5 WCBN 89.5 | Ypsilanti WERQ 95.3 | Holly Springs WKRA-FM 92.7 Houston WCPC-FM 93.3 | KSLH 91.5 KWMU 90.7 |
| | WOUM 91.7 WIQB 102.9 | Zeetand WZND 99.3 | Indianola WNLA-FM 105.5 Tuka WTIB 104.9 Jackson WZZQ 102.9 | Salem KETU 95.9 Sedalla KSIS-FM 92.1 Sikeston KSTG 97.7 |
| Auburn Height Bad Axe | WLEW-FM 92.1 | MINNESOTA | WVLS 91.5 WLIN 95.5 | Springfield KTTS-FM 94.7 KTXR 101.5 |
| Battle Creek | WKFR-FM 103.3 | Albert Lea KCPI 95.3 Alexandria KXRA-FM 92.7 KCMT-FM 100.7 | WKXI 94.7 WJSU 90.7 WJMI 99.7 | KWFC 97.3 KWTO-FM 98.7 KSMU 91.1 Union KLPW-FM 101.7 |
| Bay City | WHNN 96.1 WCHW-FM 91.3 WGER-FM 102.5 | Austin KAUS.FM 99.9 | Kosculsko WKOZ-FM 105.1 | WALLENSOULD KCMM OU 📰 |
| Benton Hrbr. Berrien Springs | WHFB-FM 99.9 | Anoka KEDQ 90.7 Anoka KTWN 107.9 Bemidji KBSB.FM 91.9 | Laurel WNSL-FM 100.3 Leland WBAD 94.3 Louisville WLSM-FM 107.1 | Waynesville KFBD-FM 97.7 KYSD 102.3 West Plains KWPM-FM 93.8 |
| Birmingham Bloomfield Hills | WMJC 94.7 s WBFH 88.1 | Benson KRMO-FM 02 8 | Magee WSJC-FM 107.5 McComb WCCA 94.1 | MONTANA |
| Cadillae | WWTV-FM 92.9 WITW 96.7 | Blue Earth KBEW-FM 100.9 Brainerd KLIZ-FM 95.7 Breekenridge KKWB 104.9 | WTB! 105.7 Meridian WDAL-FM 101.3 WALT 97.1 | 28 |
| Care Charlotte | WKY0-FM 104.9 WCER-FM 92.7 | Cambridge KABG 105.5 Cloquet WKLK-FM 100.9 | Mississippi State WMSB 89.1 Moss Point WCIS-FM 104.9 | Anaeonda KGLM-FM 97.7 Beigrade KGVW-FM 96.7 Billings KURL-FM 97.1 |
| Cheboygan Clare Coldwater | WCER-FM 92.7 WCBY-FM 105.1 WCRM-FM 95.3 WANG 98.5 | Cambridge KABG 103.5 Cloquet WKK-FM 100.9 Collegeville KSJR-FM 90.1 Crookston KCUM-FM 91.7 Detroit Lakes KVLR 95.3 | Natchez WQNX 95.1 New Albany WNAU-FM 103.3 Newton WGOT 106.3 Ocean Springs WOSM 103.1 | KBMS 98.5 KOYN-FM 93.3 KEMC 91.7 |
| Dearborn O etroit | WNIC-FM, 100.3 WDET-FM 101.9 | Duluth KUMD FM 89 (| Oxiora WOOK 97,5 | Bozeman KRER 88.9 KGLT 90.1 |
| | WBFG 98.7 WJZZ 105.9 WABX 99.5 | WSCD-FM 92.9 KAOH-FM 94.9 | Pascagoula WPM0 99.1 WGUD 106.3 Picayune WJ0J 106.3 | Dillon KDBM-FM 90.5 |
| | WOEE-FM 93.1 WDRQ 93.1 | E. Grand Forks KRAD.FM 103.0 | Poplarville WRPM-FM 107.9 Pontotoc WSEL-FM 96.7 | |
| | WDTR 90.9 WGPR 107.5 WLDM 95.5 | Faribault KDHL-FM 95.9 Fergus Falls KBRF-FM 103.3 Fosston KEHG-FM 107.1 | Poplarville | KANR 88.9 KNUW 94.5 KNUW 95.8 |
| | WLDM 95.5 WMUZ 103.5 WMZK 97.9 | Grand Ranids KYCD 00 7 | Tishomingo WTMO 889 | Hayre KPQX 92.5 |
| | WJR-FM 96.3 WOMC 104.3 WQRS-FM 105.1 | Hibbing WMFG-FM 106.3 | Tylertown WTVI_FM 07.0 | Kalispell KSSR 98.5 |
| | WWJ-FM 97.1 WWWW 106.7 | Hutehinson KDUZ-FM 107.1 International Falls KICC 91.5 Litchfield KLFD-FM 95.3 | Vicksburg WQMV 98.7 WKYV-FM 106.7 Waynesboro WABO-FM 105.5 Wesson WWCL 91.1 | Lewistown KLCM-FM 95.9 |
| Dowagiae | WRIF 101.1 WCAR-FM 92.3 WDOW-FM 97.9 | Mankato KMSII on s | West Point WKBB 100.9 Winona WONA-FM 96.7 | KYSS.FM Q4 Q |
| E. Lansing | WKAR-FM 90.5 | KYSM-FM 103.5 Marshall KMHL-FM 100.1 | _ | Plentywood KYLT-FM (00.1 Seobey KCGM 95.7 |
| Flint | WERE OLI | KBEM-FM 88.5 | MISSOURI | NEBRASKA |
| Fremont | WGMZ-FM 107.9 WWCK 105.5 WSHN-FM 100.1 WWRM 108.7 | WCCO-FM 102.9 WCTS-FM 100.7 KSTP-FM 94.5 KEEY-FM 102.1 | Aurora KSWM-FM 100.1 Bolivar KLTB 106.3 Boonville KWRT-FM 99.3 | Auburn KAUB 105.5 Aurora KROA 103.1 |
| Gaylord Grand Haven Grand Rapids | WWRM 106.7 WGHN-FM 92.1 WFUR-FM 102.9 | KEEY-FM 102.1 KTIS-FM 98.5 | Bowling Green KPCR-FM 100.9 Branson KIRK-FM 108.3 | Beatrice KWBE-FM 92.9 KDCV-FM 91.1 |
| | WCSG 91.3 WGRD-FM 97.9 | KTIS-FM 98.5 WLOL-FM 99.5 KNOF 95.3 KTCR-FM 97.1 | Butler KMOE 105.5 | Columbus KJSK-FM [0]. |
| | WLAV-FM 96.9 | WAYL 93.7 | Canton / KQCA 102.3 Cape Girardeau KGMO-FM 100.7 KFMP 102.9 KRCU 90.9 | Crete KTTT-FM 93.5 KTAP 103.9 Fremont KHIR-FM 105.6 |
| | WOOD-FM 105.7 WVGR 104.1 | KCCM-FM 91 1 | Carrollton KAOL-FM 101.1 Carthage KRGK 104.9 | Hastings KICS-FM 96.5 |
| Greenville | WZZM-FM 95.7 | Morris VIIII 60 m | | Holdrege KUVR-FM 97.7 |
| Hancoek Harrison | WMPI.FM G3 4 | New Ulm KNUJ-FM 93.1 Northfield WCAL-FM 89.3 KRLX 90.3 | KHRU 88.1 Kwur 90.3 | Kearney-Holdrege |
| Hastings Highland Park | WKKM 92.1 WBCH-FM 100.1 WHPR 88.1 | New Ulm | Clinton KDKD-FM 95.3 Columbia KWWC-FM 90.5 KBIA 91.3 | Lexington KRVN-FM 93.1 Lincoln KBHL 95.3 KFMQ 101.9 |
| UNICATIONS \ | World/Fall-Wi | | | Francis a |

| U.S. | FM | STATIONS | BY | LOCATION |
|------|----|----------|----|----------|
| | | | | |

| U.S. FM | STATION | | | Jaantia | Call MHz | Location | Call MHz |
|---|--|---|--|---|--|--|---|
| Location | Call MHz | Location | Call MHz | Location New Rochelle | WV0X-FM 93.5 | Gastonia | WGNC-FM 101.9 |
| | KHAT 106.3 KLIN-FM 107.3 KRNU 90.3 KUCV 91.3 KFOR-FM 102.7 | Albuquerque | KANW 89.1 KMYR 69.5 KDEF-FM 94.1 KPIC 91.5 | New York | WPLJ 95.5 WBAI 99.5 WCBS-FM 101.1 WEVD-FM 97.9 WFUV 90.7 | Goldsboro Greensbore | WEQR 96.9 WOKN 102.3 WPET-FM 98.7 WQFS 90.7 WQMG 97.1 |
| Nebraska City Norfolk | KNCY-FM 97.7 WJAG-FM 108.7 | 11 W = 1 | KRST 92.3 KFMG 107.9 KHFM 96.3 | | WKTU 92.3 WKCR-FM 89.9 | Greenville | WUAG 89.9 WNCT-FM 107.7 WKVO-FM 104.9 |
| Omaha | KGOR 99.9 KGB1-FM 100.7 K108-FM 91.5 | | KPAR-FM 100.8 KOB-FM 93.3 | | WBLS 107.5 WNCN 104.3 WNEW-FM 102.7 | Hayelock Henderson Hendersonville | WXNC 92.5 WKIT 102.5 |
| | KEFM 98.1 KOOD-FM 104.5 KVNO 90.7 | Artesia Carlabad | KUNM 90.1 KSVP-FM 92.9 KBAD-FM 92.1 | | WNYU-FM 89.1 WNW8 97.1 WNYC-FM 93.9 WNYE 91.5 | High Point | WHKY-FM 102.9 WXRC 95.7 WHPE-FM 95.5 WMFR-FM 99.5 |
| O'Nelli | KFMX 92.3 KBRX-FM 92.7 | Cievie Espanola | KTQM-FM 99.9 KMTY-FM 99.1 KBSO 102.3 | | WXLO 98.7 | - 1 | WMFR-FM 99.5 WGLD-FM 100.3 WRCM 92.1 |
| Scottsbluff Seward Sidney | KNEB-FM 94.1 KSRD 96.9 KSID-FM 95.3 | Gailup | KRWN 92.9 KGLP 94.5 | | WPIX-FM 101.9 WQXR-FM 96.3 WRFM 105.1 | Jacksonville Kannapolis | WXQR 105.5 WRKB-FM 99.7 |
| Wayne | KWSC 91.8 KTCH-FM 104.9 KAWL-FM 104.9 | Farmington Hobbs | KRWN 92.9 K8CR 95.7 | Niagara Fails | WRVR 106.7 WHLD-FM 98.5 WEZG, 100.9 | Kinston | WRNS 95.1 WQDW 97.7 WKNS 90.5 |
| Yerk | ADA | Humble City Los Alamos Las Cruces | KPOE 94.1 KRSN-FM 98.5 KGRD-FM 103.9 | N. Syracuse Norwich Olean | WCHN-FM 93.9 WEBF 95.7 | Laurinburg Lexington Lumberton | WSTS 96.5 WLXN 94.1 WTSB-FM 95.7 |
| Carson City | KKBC 97.3 KNIS 94.7 | Las Vegas | KRWG 90.7 KASK 103.1 | Oneida Oneonta | WMCR-FM 106.3 WSRK 103.9 WRHO 89.5 | Mars Hill | WJ8K-102.3 WVMH-FM 90.5 WMBL-FM 95.9 |
| Failon Henderson | KVLV-FM 99.3 KCNA 94.1 | Lovington | KEDP 91.1 KFUN 100.9 KLEA-FM 101.7 KOPE 104.9 | Ossining | WONT 103.1 WONY 90.9 WOSS 90.5 | Morehead City Morganton Moyock | WMNC-FM 92.1 |
| Las Vegas | KILA 95.5 KXTZ 94.1 KORK-FM 97.1 | Mesilia Park Ramah Roswell | KTDR 89.7 | Oswego | WRV0 89.9 WQH8 101.7 W8GO-FM 105.5 | Murfreesboro North Wilkesbo | WKBC-FM 9/.3 |
| Las vogas | KFMS 101.9 KRUD 90.9 KRGN 101.9 | Sante Fe | KSNM 95.5 | Owego Plattsburg | WEBO-FM 101.7 WEAV-FM 99.9 | Raieigh | WYYD 96.1 WKNC-FM 88.1 WQDR 94.7 |
| | KLUC-FM 98.5 KTRI 92.3 | Tueumearl , University Park | KTMM-FM 92.7 KRWG 91.7 | Patchogue WB | WALK-FM 97.5 LI, WBLI Inc. 106.1 WPAC-FM 108.1 | | WCPE 89.7 WRAL 101.5 W8HA 88.9 |
| Reno | KNEV 95.5 | NEW | YORK | Paul Smith's Peekskill | WPSA 89.1 WHUD 100.7 WPOB 88.5 | Reidsville Roanoke Rapid | WWM0 102.1 WPGT 90.1 |
| | KGLR 105,7 KUNR 88.7 KSRN 104.5 | Albany | WAMC 80.3 WGNA 107.7 WHRL 103.1 | Plainview Port Jervis Potsdam | WDLC-FM 96.7 WTSC-FM 91.1 | Rockingham Rocky Mount | WPTM 102.3 WRSH 91.1 WRSV 92.1 |
| | KRNO 106.9 | | WH8H 106.5 WROW-FM 95.5 | Poughkeepsie | WSNN 99.3 WPDM-FM 99.3 W8PK 104.7 | Roxboro | WFMA 100.7 WKRX 96.7 WRDX 106.5 |
| NEW H | AMPSHIRE WXLQ 103.7 | Alfred | WWOM 100.9 WBLI-FM 106.1 - WALF 89.7 | Rensselear | W8PK 104.7 WPDH 101.5 WVKR-FM 91.3 WQBK-FM 103.9 WRCN-FM 103.9 | Salisbury Sanford | WFJA 105.5 WDCC-FM 89.5 WDHS-FM 98.1 WIOZ 107.1 |
| Claremont | WXLQ 103.7 WECM 106.1 WECM 106.1 WKXL-FM 102.3 | Anisterdam | WETD 91.3 WC88-FM 97.7 WDWN 88.9 | Riverhead Rochester | WRCN-FM 103.9 WHFM 98.9 WBBF 92.5 | Shelby Southern Pine Statesville | WFMX 105.7 |
| Concord | WSPS 90.3 WBNC-FM 93.5 | Auburn Babyion | WRLX 106.9 WBAB-FM 102.3 | | WCMF 96.5 WIRQ 90.9 | Tabor City Tarboro | WDBM-FM 96.9 WK8M 104.9 WKTC 104.3 |
| Dover Durham Exeter | WDNH 97.5 WUNH 91.3 WPEA 90.5 | Binghamton | WOYT 98.1 WHRW 90.5 WAAL 99.1 | | WEZO 101.3 WDKX 103.9 WPXY 97.9 WRUR 88.5 | Thomasville Wallace | WTNC-FM 98.3 WLSE-FM 94.3 WOBR-FM 95.3 |
| Hanover | WKXR-FM 107.1 WFRD 99.3 WNEC-FM 91.7 | Baldwinsville | WSKG-FM 89.3 WSEN-FM 92.1 WBXL 90.5 | | WRUR 88.5 WVOR 100.5 WXXI-FM 91.5 | Wanchese Warrenton Washington | WVSP 90.9 WITN-FM 93.3 |
| Henniker Laconia Keene | WLNH-FM 98.3 WNBX-FM 103.7 | Briarcliff Manor Mt. Kisso | | Rome Sag Harbor | WKAL-FM 95.9 WLNG-FM 92.1 | Whiteville Wilkesboro Willamston | WENC-FM 99.1 WSIF 90.1 WSEC 103.7 |
| Manchester | WKNH 89.1 WZID 95.7 KGIR-FM 101.1 | Brentwood Breckfort | WXBA 88.5 WBKT 90.5 | St. Bonaventi Saratoga Sp | WKAJ-FM 102.3 | Wilmington | WPRV 93.8 WAAV 102.7 WMFD-FM 100.9 |
| Mount Washing Nashua Newport | WOTW-FM 106.3 WCLN-FM 101.7 | Brookville Buffaio | WCWP 88.1 WBEN-FM 102.5 WBNY 96.1 | Schenestady | WGFM 99.5 WRUC 90.9 WMHT-FM 89.1 | Wilson | WWIL 97.3 WXYY 106.1 |
| Peterborough Philippi | WSLE 92.1 WQAB 91.3 WPCR-FM 90.3 | 589- | WADV 106.5 WDCX 99.5 WBFO 88.7 | Seneca Falls South Bristo | WSFW-FM 99.3 | Winston-Saler | WFDD-FM 88.5 WSEZ 93.1 |
| Plymouth Portsmouth | WPNH-FM 100.1 WHEB-FM 100.3 | | WBUF 92.9 WREZ 94.5 WGRQ 96.9 | Southampton Syosset Syracuse | WKWZ 88.5 WAER 88.3 | NOPT | WTQR 104.1 |
| NEW | JERSEY | | WWOL-FM 104.1 WYSL-FM 103.3 | | WN1Q 93.1 WMHR 102.9 WONO 107.9 | Belcourt | KEYA 88.5 |
| Asbury Park Atlantic City | WJLK-FM 94.3 WFPG-FM 96.9 | Cananadaigua Canton Central Square | WFLC 93.5 WSLU 96.7 WC8Q 89.3 | Troy | W8YR-FM 94.5 WFLY 92.8 WRPI 91.5 | Bismarek Deviis Lake | KFYR-FM 92.9 KQDY 94.5 KDLR-FM 96.7 |
| Avaion | WMGM 103.7 WAYV 95.1 WWOO 94.3 | Cherry Vailey Clinton Corning | WJIV 101.9 WHCL-FM 88.7 WCLI-FM 106.1 | | WIBQ 98.7 WOUR 98.9 WZOW 107.3 | Fargo | KDLR-FM 96.7 KFNW-FM 97.9 WDAY-FM 93.7 KDSU 91.9 |
| Blairstown Bricktown Bridgeton | WFMV-FM 106.3 WBGD 91.9 W8NJ-FM 107.7 | Cortland | WCLI-FM 106.1 WCEB 91.9 WKRT-FM 99.9 WBLK-FM 93.7 | Utica | WKGW 104.3 WIBQ 94.9 WOUR 96.9 | Grand Forks | KYTN 94.7 KKDQ 92.9 KFJM-FM 89.3 |
| Camden Canton | WKDN-FM 106.9 WNNN 101.7 WRIO-FM 101.7 WDHA-FM 105.5 | Depew De Ruyter Twp Dundee | WFLR-FM 95.9 | 100 | WZOW 107.3 WTLB-FM 107.3 WDLA-FM 92.1 | Jamestown Minot | KSJM 93.3 KCJB-FM 97.1 |
| Cape May Dover E. Orange | | Ellenville Elmira | WECW 88.1 WEHH-FM 94.3 | Walton Watertown Waverly | WOLA-FM 92.1 WNCQ 97.5 WAVR 102.3 | | KMOT-FM 93.7 OHIO |
| Eatontown Egg Harbor Flemington | WHTG-FM 106.3 WRDR 104.9 -WCVH 90.5 | Elmira Endicott ' | WLVY 94.3 WENY-FM 92.7 WMRV 105.5 | Wethersfield Township White Plair | WBIV 107.7 | Akron | WAEZ 97.5 |
| Franklin Franklin Lake Glassboro | WSUS 102.3 WRRH 88.7 WGLS-FM 89.7 | Floral Park Fulton Garden City | WSHS 90.3 WKFM 104.7 WLIR 92.7 | | H CAROLINA | | |
| Hackettstown Hanover Highland Pari | WGLS-FM 89.7 WNT1 91.9 WHPH 90.3 WWHP-FM 90.3 | / | WBAU 90.3 WHPC 90.3 WG8U 89.3 | Ahoskie Albemarie | WRCS-FM 99.3 | Alliance | WCUE-FM 96.5 WFAH-FM 92.5 WRMU 91.1 WHFD 95.9 |
| Lawrence Twp | WLCR 89.7 WBJB-FM 90.5 | Geneva Geneva | WEOS-FM 89.7 | Asheboro Asheviile | WABZ-FM 100.9 WCSE 92.8 WLOS-FM 99.3 | Ashland Ashtabula | WNCO-FM 101.3 WRDL 89.5 |
| Long Branch Millville Morristown | WMVB-FM 97-3 | Gien Fails Giens Fails Gouverneur | WWSC-FM 95.9 WBZA-FM 107.1 WIGS-FM 92.7 | Bridgeton | WLOS-FM 99.9 WUNF-FM 88.1 WBMU-FM 91.3 W8FL 97.7 tain WMIT 106.9 | Athens | WREO-FM 97.1 WQUB-FM 91.3 WXTQ 105.5 WCNE 88.7 |
| Newark | WFME 105.9 WFME 94.7 | Greece Hamilton Hammondsport | WGMC 90.1 WRCU-FM 90.1 WVIN-FM 98.3 | Black Moun Boiling Spr Boone | ings WGWG 88.3 | Batavia Beliaire | WOMP-FM 100.5 WBHR 88.7 |
| Newton | WVNJ-FM 100.3 WBGO 88.3 WIXL-FM 103.7 WQMR 98.3 | Hempstead | W10K 98.3 WVHC 88.7 | Bridgeton Bules Cree Burgaw | WSFL 106.5 | Beilevue Berea | WNRR 92.1 WBWC 88.3 |
| New Brunswic | WRSU-FM 89.1 WSLT-FM 106.3 | Henrietta Hornell | WRHR 90.5 WITR 89.7 WHHO-FM 105.3 | Burlington- | Graham WBAG-FM 93.9 WNCB 101.1 | Bowling Gre | en WAWR-FM 93.5 KBGU 88.1 WBNO-FM 100.9 |
| Paterson Piscataway Pieasantville | WVPH 90.3 WGRF, 99.8 | Horseheads Hudson Hyde Park | WITR 89.7 WHHO-FM 105.3 WQIX 100.9 WHUC-FM 97.7 WHCU-FM 97.7 WHCU-FM 97.3 | Chapel Hill Charlotte | WUNC 91.5 WBT-FM 107.9 | Bueyrus Cambridge | WBCO-FM 92.7 WILE-FM 96.7 |
| Point Pleasar Princeton Princeton Jur | WPKB 103.3 | Ithaca | WEIV 103.7 | , | W80C-FW 103.7 | | WNWR 90.9 |
| Ship Bettem | WSOU 89.5 | Jamestown | WVBR-FM 93.5 | Clinton Concord Cuilowhee | WRRZ-FM 107.1 | Castalla | WTOF 98.1 WGGN 97.7 |
| Teaneck Toms River Trenton | M B1H 101.5 | Johnstown Kingston | WIZR-FM 104.9 WBPM 94.3 | Davidson Dunn | WDAV 90.5 WQTI 103.1 | Cedarville Celina | WCDR-FM 90.1 WMER 94.3 WCSM-FM 96.7 |
| | WLCR 89.7 WCHR 94.5 WPST 97.5 | Lake Ronkoni Lake Success Lancaster | | Durham | WDCG 105.1 WDBS 107.1 WAFR 90.3 | Centerville Chillisothe Cipelnnati | WCWT-FM 89.5 WRFX-FM 93.3 |
| Upper Mont Vineland | WTSR 91.3 | Liberty | WSMH-FM 89.9 WV08-FM 95.9 WCNY-FM 91.3 WVCR-FM 89.1 WALL-FM 92.7 WXXY 104.9 | Eden Edenton Eikin | WEAF 94.5 WBXB 100.1 WIFM-FM 100.9 | CINGINIALI | WUBE 105.1 WEBN 102.7 |
| West Long Wildwood | WDVL-FM 92.1 Branch WMCX 68.1 WCMC-FM 100.7 WAWZ-FM 99.1 | Middletown Montour Falls | WALL-FM 92.7 WXXY 104.9 | Elizabeth (Fairmont Farmingto | WXKY 100.9 | | WGUC 90.9 WKRQ 101.9 |
| 20 | W MEXICO | Mt. Kiseo | WARY 88.5 | Farmville Favettevill | WQSM 98. | | WSAI-FM 94.1 WVXU-FM 91.7 WNSD 90.1 |
| Alamogordo | KOTO 105.5 | Monticello Newburgh | WVLJ 105.5 WFMN 103.1 | Forest Cit Franklin | WF8C-FM 98.7 | | WWEZ 92.5 |

U.S. FM STATIONS BY LOCATION

| Location | Call | MHz | Location | C=!! 44!! | _ · · · · | W SIAIR | DING BY L | CATION |
|--|-------------------------------|------------------------|------------------------------------|--|--|--|-------------------------------|---|
| | WNRE-FM | | | Call MHz | Location | Call MHz | Location | Call MHz |
| 1 | WAII | | Wilmington | WDHK 102.3 WWST-FM 104.5 WCWS 91.9 | Boyertown Braddock | WBY0 107.5 | Stroudsburg Sunbury | WVPO-FM 93.5 WKOK-FM 94.1 |
| Cleveland | WBOI | E 90.3 | Worthington- | WCWS 91.9 Columbus WNCI 97.9 | Butier California Carbondale | WVCS 91.9 | Swarthmore Tamaqua | WSRN 01.5 WZTA 105.5 |
| \' | WCLV WCSE WDOK | 89.3 | Xenia | WHBM-FM 103.9 | Carlisle | WHYL-FM 102.3 WDCV-FM 88.3 | Telford Towanda Tyrone | WBMR 89.7 WTTC-FM 95.3 WGMR 101.1 |
|] | WQAL | - 104. (- 98.5 | Yellow Sprin | 95 WYSO 91.5 WKBN-FM 98.9 WQOD 93.3 | Central City Chambersbur | WCCS 101.7 WCHM 95.1 | - Union City Uniontown | WCTL 106.3 WPQR-FM 99.3 |
| [| WWWM | 1 105.7 | | WHOT-FM 101.1 WYSU 88.5 | Charleroi Clearfield Danville | WWFM 98.3 WCPA-FM 93.5 WPGM-FM 96.7 | Warren Washington | WHRN 92.3 WJPA-FM 95.3 |
| | WKSW WDM1 WRUW-FM | T 107 Q | Zanesville | WHIZ-FM 102.5 | DuBois | WCED-FM 102.1 WDBA 107.3 | Wayneshoro Welisboro | WJCR 88.3 WAYZ-FM 101.5 WGCR 97.7 |
| | WXEN WZAK | 106.5 | OKI | AHOMA | Easton | WEST-FM 98.1 WJRH 90.5 | Wilkes-Barre | WBRE-FM 98.5 WCLH 90.7 |
| Cleveland Hei Columbus | ghts WLYT WCBE WFAC | 90.5 | Ada Altus | KTEN-FM 93.3 KWHW-FM 93.5 | East Strouds Ebensburg | berg WESS 90.3 | Williamsport | WRKC 88.5 WYZZ 92.9 WILQ.FM 105.1 |
| , | WBNS-FM WTVN-FM | 97.1 96.3 | Ardmore Bartlesville Bethany | KKAJ 95.7 KYFM 100.1 KGOY 104.9 | Elizabethtow Elwood City. Ephrata | Pa. WFEM 92.1 | | WRLC 91.7* WRAK 102.7 |
| | WCOL-FM WMNI-FM WOSU-FM | 99.7 | Broken Arrow Chiekasha | KGOW 92.1 KXXK 105.5 | Erie | WIOV 105.1 WLVU 99.9 WQLN-FM 91.3 | York | WQXA 105.7 WVYC 88.1 |
| Conneaut | WVKO-FM WEIZ | 94.7 | Clinton Duncan Ducant | KWOE-FM 108.9 KRHD-FM 102.3 KSEO-FM 107.3 | Franklin | WCCK 103.7 WERG 89.1 | York-Hanover | WSBA-FM 103.3 WYCR 98.5 |
| Coshoeton Dayton | WTNS-FM WHIO-FM | | Edmund | KHIB 91.9 KWHP 97.7 | Franklin Freeland Gettysburg | WVEN 99.3 WACM 103.1 WGET-FM 107.7 | 1 | E ISLAND |
| | WDPS WGXM WTUE | 88.1 | Enid Eufaula | KCSC 90.1 KCRC-FM 96.9 KCES 102.3 | Greeneastie- | WZBT 90.3 | Kingston Middletown | WRIU 91.1 WOTB 107.1 |
| D's Court | WDA0 WSMR | 107.7 89.3 | Henryetta Idabel | KCES 102.8 KHEN-FM 99.5 KWDG 96.7 | Greensburg Greenville | WKSL 94.3 Woku-FM 107.1 WGRP-FM 107.1 | Portsmouth Providence | WJHD 90.7 WPJB-FM 105.1 WBRU 95.5 |
| De Graff Delaware Delphos | WDEQ-FM WSLN WDOH | 91.1 91.1 107.1 | Langston Lawton | KALU 90,7 KLAW 101.5 | Grove City | WTGP 88.1 WEDA-FM 95.1 | | WDOM 91.3 WHIM-FM 94.1 |
| Dover East Liverpoo | WJER-FM Wela | 101.7 | McAlester Miami | KCCO-FM 98.1 KNED-FM 101.3 | Harrisburg | WSAJ-FM 89.5 WHP-FM 97.3 | Smithfield | WLKW-FM 101.5 WPRO-FM 92.3 |
| Eaton Elyria Fairfield | - WJAI WBEA WLVV | 92.9 107.3 94.9 | Muskogee Norman | KGLC-FM 100.9 KMMM-FM 106.9 KGOU 106.3 | | WMSP 94.9 WSFM 99.3 WTPA-FM 104.1 | Westerly Woonsocket | WJMF 191.5 WERI-FM 103.7 WWON-FM 106.3 |
| Findlay | WHMQ | 100.5 88.3 | Nowata Oklahoma City | KNFB 94.3 KFJL 98.9 | Havertown Hazieton Hershey | WHH8 89.3 WVCD 97.0 | SOUTH | CAROLINA. |
| Fostoria Fremont Gahanna | WFOB-FM WFRO-FM | 96.7 99.1 104.9 | | KEBC 94.7 KJAK 100.5 KAFG 102.7 KXXY 96.1 | Huntington Indiana | WITF-FM 89.5 WRLR 106.3 WQMU 103.1 | Alken | 1 |
| Galion Gallipolls | M1EH-EW MGLX | 102.3 | | KOFM 104.1 | Jenkintown Johnstown | WIUP-FM 91.3 WIBF-FM 103.0 | Anderson | WAKN-FM 99.3 WCAC 101.1 |
| Gambler Georgetown Greenville | WKCO WURD WGVO | 91.9 97.7 91.7 | | KFNB 101.9 KAEZ 107.7 KKNG 92.5 | Journatown | WJAC-FM 95.5 WAAT 92.1 WJNL-FM 96.5 | Bamberg Barnwell | WANS-FM 107.3 WWBD-FM 92.7 WBAW-FM 101.7 |
| Greenville Hamilton | - WGVO | 88.3 9 6.7 | Okmulgee Punca City | KLLS 104.9 KLOR-FM 99.3 | Lancaster | WFNM 88.7 WGAL-FM 101.3 | Batesburg Beaufort | WBLR-FM 92.1 WBEU-FM 98.7 |
| Hillsboro | WHSS | 103.5 89.5 | Poteau Pryor | KLCO-FM 98.3 KINB 107.3 KKMA 104.5 | Lebanon | WDAC 94.5 WLAN-FM 96.9 W.UFM 100.1 | Camden Cayee Charlesten | WPUB-FM 94.3 WZLD 96.7 WXTC 96.9 |
| Holland Ironton | WPUS-FM WITO | 106.7 102.3 | Sallisaw Shawnee | KRBB-FM 95.9 KBGC 89.9 | Lehman Lewisburg | WPSI 89.1 WVBU-FM 90.5 | , | WEZL 103.5 |
| Jackson Johnstown Kent | WLMJ | 94.7 103.1 | Stillwater | KOSU-FM 91.7 KSPI-FM 93.9 KVRO 105.5 | Lewistown Lincoln Univ | | Chester Clemson | WPXI 95.1 WCMJ 99.3 |
| Kenton | WKTN | 89.7 100, 1 95.3 | Tahleguah Tonkawa | KEOK 101.7 KAYE·FM 90.5 | Lock Haven Mansfield | WBPZ-FM 92.1 WNTE 89.5 | Columbia | W8BF-FM 89.3 WCOS-FM 97.0 WNOK-FM 104.7 |
| · Kettering | WVUD-FM WKET | 99.9 89.5 | Tulsa | KAKC-FM 92.9 KRAV 96.5 KWEN 95.5 | Martinsburg McKean Meadville | WJSM-FM 92.7 WMDI 102.3 | | WMHK 69.7 WUSC-FM 89.9 |
| Lancaster Lima | WHOK-FM WIMA-FM | 95.5 102.1 | | KMOD 97.5 KCFO 98.5 | Mercer | WARC 90.3 WZPR 100.3 WWIZ 103.9 | İ | WBCT 90.5 WUSC-FM 89.9 WXRY-FM 93.5 |
| Logan | WTGN | 97.7 98.3 | Woodward | KKUL 103.3 KWGS 89.5 KSIW-FM 93.5 | Mercersburg Mifflinburg Milton | WRCV 92.1 | Conway Darlington | WLTR 91.3 WLAT-FM 104.1 |
| London Lorain | WSYX | 106.3 104.9 | | EGON | Montrose Nanticoke | WMLP 100.8 WPEL-FM 96.5 WMJW 92.1 | Dillon Due West | WDAR-FM 105.5 WDSC-FM 92.9 WARP 91.7 |
| Mansfield Marietta | WCLW-FM (| 106.1 105.3 89.3 | Albany | KHPE 107.9 | New Kensingto New Wilming Norristown | n WNUF 100.7 | Easley Florence Gaffney | WELP-FM 103.9 WSTN 103.1 |
| Marion | WMRT WMOA-FM | 88.3 94.3 | Ashland Bend | KSOR 90.1 KICE 100.7 | North East Oil City | WVVE 91.7 WHYP-FM 102.3 WDJR 98.5 | Georgetown | WAGI-FM 105.3 WGMB 97.7 WSHG 106.3 |
| Medina | WDIF | 94.3 94.9 | Central Point Corvallis | KX10 94.1 KCHC 91.7 KFLY-FM 101.5 | Palmyra Philadelphia | WCTX 92.1 WCAU-FM 98.1 WDAS-FM 105.3 | Greenville | WEPR 90.1 WESC-FM 92.5 |
| Miamisburg | WFCJ • WRSF | 93.7 89.7 | Eagle Point | KBVR 90.1 KL00-FM 106.1 | | WRCP-FM 104.5 WIOQ 102.1 | Greenwood | WMUU-FM 94.5 WCRS-FM 98.7 |
| Middleport Middletown Milford-Mariem | | 92.1 05.9 07.1 | Eugene | KEPO 89.1 KRVM 91.9 KSND 93.1 | , | WFLN-FM 95.7 | Hampton Hilton Head is | WJBW-FM 103.1 land WHHR 106.3 |
| Morrow Mt. Vernon | WLMH WMV0-FM | 88.1 93.7 | | KFMY 97.9 | [| WMMR 93.3 | Kingstree Lancaster | WHHR 106.3 WWKT-FM 100.1 WPAJ-FM 107.1 |
| Napolean New Concord Newark | WMCO | 03.1 90.7 00.3 | | KPNW-FM 99.1 KWAX 91.1 KBMC 94.5 | | WPBS 98.9 WMGK 102.9 WYSP 94.1 | Laurens Manning Marion | WLBG-FM 100.5 WTME 92.1 |
| New Philadeiph Norwalk | IA WNKO I | 01.7 95.9 | Grants Pass | KZEL-FM 96.1 KGPO 96.9 KTEC 88.1 | | WPWT 91.7 WRTI 90.1 | Moneks Corner Mullins | WATP-FM 94.3 WTWF 105.5 WCIG 107.1 |
| Oberlin Oxford | WOBC | 95.3 88.7 88.5 | Klamath Fails | KAGM 98.5 KLAD-FM 92.5 | · | WKDU 91.7 WWDB 96.5 WWSH 106.1 | Myrtle Beach N. Myrtle Beach | WMYR-FM 92.1 WKZQ 101.7 WNMB 105.5 |
| Piqua Port Ciinton | WPTW-FM | 97.7 95.7 | La Grande Lebanon | KEOL 91.1 KFMT 98.3 KOMS 103.7 | Pittsburgh — | WXPN 88.9 KDKA-FM 92.9 | N. Charleston Orangeburg | WKTM 102.5 WDIX-FM 106.7 |
| Portsmouth | WPAY-FM I | 94.5 04.1 99.3 | McMinneville Medford | KSLC 90.3 KBOY-FM 95.3 | | WRCT 88.3 | Pageland St. George | WHCE-FM 103.9 WCPL 102.3 |
| Reading Salem Sandusky | WSUM-EN 1/ | 89.3 05.1 | Miiwaukee Newport | KTMT 93.7 KQIV 106.7 KNPT-FM 94.9 | ı | WDVE 102.5 WEEP-FM 107.9 WTAE-FM 96.1 | Seneca Spartanburg | WPWR 95.9 WBFM 98.1 WSPA-FM 98.9 WWWZ 93.5 |
| Sidney Springfield | WMVR-FM IC | 02.7 05.5 02.9 | Pendieton Portland | KRBM 90.9 KBOO 90.7 | | WDUQ 90.5 WSHH 99.7 | Summerville Sumter | WWWZ 93.5 WFIG-FM 101.3 WMPR 88.1 |
| Streetsboro | WUSO 8 | 00.7 39.1 | • | KINK 101.9 KJIB 99.5 KGON 92.3 | | WJ01 93.7 WPIT-FM 101.5 WQED-FM 89.3 | Walterhoro West Columbia | WALD-FM 100.9 WSCQ 100.1 |
| Steubenville Struthers | WRKY I | 01.5 03.5 00.7 | \ | KOAP-FM 91.5 | | WPEZ 94.5 WYDD 104.7 | 2011m. | |
| Sylvania Tiffin | WTTF-FM 10 | 3.7 | | KPDQ 93.7 KPAM-FM 97.1 KUPL 08.5 | Pottsville Punxsutawney | WYEP-FM 91.5 WAVT-FM 101.9 WPME-FM 105.5 | Aberdeen / | DAKOTA / |
| Toledo | WSPD-FM 10 WAMP 8 | 38.9 1.5 18.3 | , | KRRC 89,3 | Reading Red Llon | WRFY-FM 102.5 WXAC 91.3 | Brookings | KASD 90.1 KQAA 94.9 KBRK-FM 94.3 |
| | WIOT 10 | 1.3 4.7 9.9 | Roseburg Salem | KXL-FM 95.5 KRSB 103.1 KSLM-FM 105.1 | Ridgway-Johnso | nburg WKBI-FM 94.3 | Huren Madison | KESD 88.3 KIJV-FM 92.1 |
| finiumite | WLOR 10 | 1.5 2.5 | The Dalles | KCIV 104.5 | Sectisdale Seranton | WLSW 103.9 WGBI-FM 101.3 | Mitchell Mobridge | KOLY-FM 99.5 |
| University Heigh Upper Sandusky | its WJCR 8 | 8.9 8.7 5.9 | PENNS) Allentown | LVANIA | | WEZX 107.1 WVIA-FM 89.9 WVMW-FM 91.5 | Rapid Čity | KVSR 97.9 KKLS 93.9 |
| Urbana | WCOM-FM 10 WUHS 9 | 1.7 | -, | WFMZ 100.7 WMUH 89.7 WXKW 104.1 | Seilngsgrove | WWDL-FM 104.9 WQSU 88.9 | Sloux Falls | KAUR 89.1 |
| Van Wert Wapakoneta Washington Cour | WERT-FM 9: | 8.9 2.1 | Altoona Beaver Falls | WVAM-FM 100.1 WFBG-FM 98.1 | Shamokin Sharon Shippensburg | WISL-FM 95.3 WYFM 102.9 WSYC-FM 88.7 | | KCFS 90.1 KCHF-FM 98.5 KNWC-FM 96.5 |
| Waverly | WCHO-FM 10: WIBO 10 | 0.8 | Bedford | WGEV 88.3 WAKM 100.9 | Somerset . South | WVSC-FM 97.7 | | KPAT 97.3 |
| Westerville | WOBN 91 WBBY 103 | 8.7 1.5 | Beliwood Bethiehem | WHGM 103.9 WEZV 95.1 | Williamsport Starview State College | WMPT-FM 99.3 WRHY 92.7 WMAJ-FM 103.1 | Springmeld | KBHU-FM 69.1 KSTI-FM 88.5 KBHB-FM 93.1 |
| Witherforea | WCSU-FM 8 | | Bloomsburg | WLVR-FM 91.3 WHLM-FM 106.5 | | WDFM 91.1 WQWK 96.7 | Vermillion | KUSD-FM 89.9 KVRF 102.3 |
| NICATIONS V | JOBI D /Fal | 1 M/im | tor 1070 | | | · | 1 | |

| U.S. FM | STATIONS | BY L | OCATIO | N |
|---------|----------|------|--------|---|
|---------|----------|------|--------|---|

| U.S. F | M STATION | IS BY LO | CATION | | | | C-11 MH- 1 |
|--|---|---------------------------------------|---|---|---|---|---|
| Location | Call MHz | Location | Call MHz | Location | Call MHz | Location | Call MHz WCGV-FM 97.5 |
| Watertown | KDLO-FM 96.9 | Rie Spring | TON-FM 106.8 KFNE 95.8 | New Braunfels Odessa | KNBT 92.1 KQ1P 96.9 KQCV 91.3 | Chesapeake | WTJU 91.3 WFOS 90.5 |
| Winner Yankton | KWAT-FM 96.1 KWYR-FM 93.7 KQHU 104.1 | Borger KI Brenham KV | BBB-FM 104.3 | | KOCV 91.3 KOYL-FM 97.9 KOBS-FM 104.5 | Chester Covington | WDYL 92.1 WKEY-FM 100.9 |
| 1001 | NESSEE | Brownsville Brownwood | KDUV 100.3 KLSN 99.3 KOXE 101.5 | Orange Palestine | KIOF 106.1 KLIS 94.3 | Crews Culpeper | WSVS-FM 104.7 WCUL 103.1 WAKG 103.8 |
| Bellvar | WVST 96.7 | Bryan Ko Canyon | DRA-FM 98.8 KWTS 91.1 | Paris Pasadena | KPLT-FM 99.3 KYND 92.5 KPLA 97.3 | Danville Exmore Farmville | WEXM-FM 107.5 WFLO-FM 95.7 WFFV 99.3 |
| Bristol Brownsviile | WFHG-FM 96.9 WTBG-FM 95.3 | Clear Lake City | KLYX 102.1 | Plainview | KPLA 97.3 KWLD 91.5 KBOP-FM 98.3 | Front Royal Fredericksburg | WFVA-FM 101.5 '] |
| Camden Carthage | WRJB 98.3 WRKM-FM 102.3 WIKA 96.7 | College Station W1 | STA-FM 107.1 FAW-FM 92.1 KULM 98.3 | Pleasanton Port Arthur | KYKR-FM 93.3 KPAC-FM 98.5 | Galax Gate City | WFLS-FM 93.3 WBOB-FM 98.1 WGAT-FM 104.9 |
| Centerville Chattanooga | WDOD-FM 96.5 WDYN 89.7 | Commerce Commerce Conroc | KETR 88.9 KNRO 106.9 | Robstown Rosenberg | KROB-FM 99.9 KFRD-FM 104.9 KWLW 93.9 | Gretna Grundy | WMNA-FM 103.3 WNRG-FM 97.7 |
| | WMBW 88.9 WYNQ 108.5 WDEF-FM 92.3 | Corpus Christi | KZFM 95.5 KIOU 96.5 (SIX-FM 93.9 | San Angelo | KIXY-FM 94.7 KSJT 97.5 | Hampden-Sydne | WAHS-LM AI'Y |
| Cleveland Clinton | WCLE-FM 100.7 WYSH-FM 104.9 | Corsicana Crockett K | KC1R 107.9 | San Antonio | KISS 99.5 KSAQ 100.3 KEEZ 97.3 | Hampton | WYEC-FM 101.3 WHOV 88.3 WEMC 91.7 |
| Collegedale Columbia | WSMC 90.7 WKOM 101.7 | Daihart K | (XIT-FM 95.9 KDA-FM 104.5 | | KEXL 104.5 KITY 92.9 | Harrisonburg | WMRA 91.1 WQPO 100.7 WKWI 101.7 |
| Cookeville | WHUB-FM 98.3 WPTN-FM 94.5 WTTU 88.5 | | KCBI 89.3 KNUS 98.7 | | KMFM 96.1 KRTU 91.5 KQXT 101.9 | Kilmarnock Lexington | WLUR 91.5 |
| Covington | WKBL-FM 93.5 WCSV-FM 99.3 | | KOAX 105.3 KAFM 94.5 FAA-FM 97.9 | | KSYM-FM 90.3 | Lynchourg Manassas | WWOD-FM 100.1 WGOL 98.3 WEZR 106.7 |
| Dayton Dickson | WNFM 104.9 WDKN-FM 102.3 WASL 101.1 | " | WRR-FM 101.1 KVTT 91.7 | San Marcos Seguin | KRMH 103.7 KWED-FM 105.3 | Marton | WMEV-FM 93.9 WOLD-FM 102.3 |
| Dyersburg Elizabethton Fayetteville | WIDD-FM 99.3 WYTM-FM 105.5 | | KMEZ 100.3 KDTX 102.9 | Sherman Sinton | KIKM-FM 96.7 KMIO 101.3 KOUL 103.3 | Martinsville Newport News Nortolk | WMVA-FM 96.3 WGH-FM 97.3 WMTI 91.5 |
| Franklin Gailatin | WIZO-FM 100.1 WFMG 104.5 WOFM 84.9 | | KZAG 90.1 KRSM 89.3 (ERA-FM 90.1 | Sonora Spearman | KVRN-FM 92.1 KRMF-FM 98.3 | Norton | WCM8-FM 100.5 WNUR-FM 98.7 |
| Greeneville Henuerson Hendersonville | WFHC-FM 91.5 WBYQ 92.1 | Del Rio K | KCHU 90.9 | Stephenville Sweetwater | KWWM 98.3 KXOX-FM 96.7 KPLE 104.9 | | WOWI 102.9 WKEZ 95.7 WQRK 104.5 |
| Humboldt Jackson | WIRJ-FM 102.8 WKIR 104.1 | Denison-Sherman | DSX-FM 101.7 KGCC 89.7 | Temple Terrell Hills Texarkana | KBUC 106.3 KTAL-FM 98.1 | | WTGM 89.5 WXRI 105.3 |
| Jamestown Johnson City | WDEB-FM 100.1 WQUT 101.5 WETS 89.5 | G United | CDNT-FM 106.1 KNTU 88.5 | Tyler | KZAK-FM 93.1 KROZ 92.1 KNUE 101.5 | Norton Orange | WYFI 99.7 WNVA-FM 106.3 WJMA 96.1 |
| Kingsport Knoxville | WKPT-FM 98.5 WBIR-FM 103.5 | Dumas | KSPL-FM 95.5 KMRE 95.3 KINL 92.7 | Vernon Victoria | KVWC-FM 102.3 KTXN-FM 98.7 | Petersburg * | WPLZ 99.3 WPVA-FM 95.3 |
| | WEZK 97.5 WIVK-FM 107.7 WKCS 91.1 WUOT 91.9 | Eagle Pass Edinburg | KINL 92.7 KBFM 104.1 KESI 107.9 KULP-FM 96.9 | Waco | KCWM 95.1 KEFC 95.5 | Portsmouth Pulaski | WNHS 88.7 WPUV-FM 107.1 WRAD-FM 101.7 |
| Lawrenceburg | WDXE-FM 95.9 | El Campo I | KULP-FM 96.9 KTEP 88.5 KUOE 95.5 | | KWTX-FM 97.5 KWBU 107.1 KHOO 99.9 | Radford Richlands Richmond | WGTH 105.5 WTVR-FM 98.1 |
| Lebanon | WFMO 91.8 WLCH 88.7 WFMQ 88.9 | | KEZB 96.3 KINT-FM 97.5 | Wichita Falls | KNTO 103.3 | | WEZS 103.7 WRFK-FM 106.5 WRVQ-FM 94.5 |
| Lenoir City | WCOR-FM 107.3 WLIL-FM 98.5 | | KLOZ 102.1 KSET-FM 94.7 KSDL 92.3 | | KBID 92.9 | Roanoke | WRXL 102.1 WLRJ 92.3 |
| Lewisburg Lexington | WJJM-FM 94.3 WDXL-FM 99.3 WLIV-FM 95.9 | | KAMA-FM 93.1 KPAS 93.9 | | KBBD 90.1 | | WSLQ 99.1 |
| Livingston Lobelville Manchester | WTHJ 94.3 WMSR-FM 99.7 | Fort Stockton | KPJH 94.3 | Beaver Brigham City Cedar City | KBUH-FM 107.1 KCDR-FM 88.1 | Salem South Boston | WVWR-FM 89.1 WJLM 93.5 WJLC-FM 97.5 |
| Martin | WUTM 90.3 | Ft. Worth | KESS 93.9 KXOL 99.5 | Centerville | KBRE-FM 94.9 KSTU 105.5 KEPH 89.5 | South Hill Staunton | WSGM 93.5 |
| McKenzie McMinnville Memphis | WHNR 103.9 WMC-FM 99.7 | 7.1 | KFWD 102.1 KNOK-FM 107.5 KTCU-FM 89.1 | Ephralm Gunnison Logan | KGVH 91.7 | Suffolk-Norfoll Tappahannock Tasley | WRAR-FM 105.5 WESR-FM 103.3 |
| | WCBC 91.1 WEVL 90.3 WEZI 105.9 | Erederlekehura | KWXI 97.1 | Manti | KVWJ 94.5 KSME 90.7 KMTP 91.1 | Tazeweil Warrenton | WEER-FM 107.7 |
| | WSWM 91.7 WLYX 89.3 | Gainesville Gallatin | KGAF-FM 94.5 WHIN-FM 104.5 | Mt. Pleasant Ogden | KOPD 101.9 KDAB 101.1 | Warsaw Williamsburg | WNNT-FM 100.9 WBC1 96.5 WCWM 89.1 |
| | WMP8-FM 97.1 WQOX 88.5 | Galveston Gatesville Georgetown | KUFO 106.5 KMCS 98.3 KGTN-FM 96.7 | Orem | KWCR-FM 88.1 KOHS 90.1 KORM 107.1 | Winchester | WMBG 96.5 WRFL 92.5 |
| | WOUD 104.5 WKNO-FM 91.1 | Graham Greenville | KWKQ 107.1 KIKT 93.5 | Parowan Pleasant Grove | KPWN 90.9 KPGR 88.1 | Woodbridge Yorktown | WEFG 102.5 WXRA 105.9 WYCS 91.5 |
| Milan | KWAM-FM 101.1 WKBJ-FM 92.3 WAZI 95.9 | Harlingen | KELT 94.5 KMBS 96.1 KGRI-FM 100.1 | Provo | KBYÜ-FM 88.9 KAYK-FM 100.3 KRMQ 94.9 | 1 of Rtown | WYVA-FM 94.1 |
| Morristown Murfreesboro | | Hereford Highland Park-D | KGRI-FM 100.1 KPAN-FM 106.3 | St. George | KRMQ 94.9 KDXU-FM 93.5 KRDC-FM 90.1 | WAS | HINGTON |
| Nashville | WKDA-FM 103.3 | | KURR-FM 103.7 | Sait Lake Cit | KALL 94.1 | Aberdeen | KDUX-FM 104.7 KGRG 88.9 KZAM-FM 92.5 |
| | WPLN 90.3 WNAZ-FM 88.9 WRVU 91.1 | Houston | KHCB-FM 105.7 KAUM 96.5 KIKK-FM 95.7 KILT-FM 100.3 | | KSL-FM 100.3 KSDP-FM 104.3 | Bellevue | KZAM.FM 92.5 KASB 89.3 KBCS 91.3 |
| | WXEX 92.9 W8IX-FM 97.9 | | KEMK 97.9 | | KUER 90.1 KWHO-FM 93.3 | Bellingham | KVGM 92.9 KISM 92.9 |
| Bak Ridge | WSM-FM 95.5 WATO-FM 94.5 WOKI-FM 100.3 | in during A | KLOL-FM 101.1 KODA-FM 99.1 KPFT 90.1 | Spanish Fork Vernal | KLUB-FM 97.1 KONI-FM 106.3 KUIB 89.1 | Bremerton | KUGS 89.3 KERI 104.3 KBRO-FM 106.9 |
| Olive Hill Oneida | WDNX 89.1 | | KLEF 94.5 KQUE 102.9 | | KVEL-FM 92.7 | Centralia | KELA-FM 102.9 KCED 91.3 |
| Paris i Pulaski | WTPR-FM 105.5 WMGL 98.3 WSIM 94.3 | | KRBE 104.1 KTSU 90.9 KUHF 88.7 | VEI | RMONT | Cheney Clarkston College Place | KEWC-FM 89.9 KCLK-FM 94.1 KGT8 91.3 |
| Red Bank Sevierville Savannah | W8EV-FM 102.1 W0RM-FM 101.7 | 1. | KRLY 93.7 KTRU 91.7 | Barre Bennington | WORK 107.1 WHGC 94.3 WKVT-FM 92.7 | Edmonds Eliensburg | KXLE-FM 95.3 |
| Sewanee Snelbyville | WITS 88.1 WTCV 93.1 WJLE-FM 101.7 W8MT-FM 103.5 | Huntsville | KSAM-FM 101.7 KSHU 89.3 | Brattleboro Burlington | WTSA-FM 96.7 WQCR 98.9 | Hoguram Kennewick Longview | KONA-EM IOSS |
| Smithville Sparta Springfield | WDBL-FM 94.3 | Jacksonville Jasper Keene | KOOI 108.5 KTXJ-FM 102.3 - KSUC 88.3 | | WEZF 92.9 | Lynden | KLVR 90.5 KLYN-FM 106.5 |
| Sweetwater Lullahoma | WDEH+FM 95.3 WBGY-FM 93.3 WALR-FM 104.9 WVRY 104.9 | Kerrylla Klican | KPFM 94.8 KIXS-FM 93.3 KNCT-FM 91.3 | Castleton Colchester East Montpel | WWPV-FM 88.7 | Mercer Islan Mount Verno Moses Lake | KWIQ-FM 100.3 |
| Union City Waverly | WVRY 104.9 | Kilgore Kingsville | KPUP 97.7 | Lyndonville | WJSC-FM 91.5 WWLR 91.7 WRMC-FM 91.7 | Neah Bay Newport | KRNB-FM 91.1 KUBS 90.5 |
| | TEXAS | La Grange | KVLG-FM 104.9 | Middlebury | WCVM 100.9 WNUB-FM 89.1 | Ocean Shore Olympia Opportunity | KZUN-FM 96.1 |
| Abilene | KFMN 99.3 KORQ 100.7 | Lake Jackson Lampasas | KLTD 99.2 KOYE 92.7 | Plainfield Putney | WGDR , 91.1 WVUS 88.9 | Pasco Prosser | KOLU 90.1 |
| Allee | KWKC-FM 105.1 KD8E 92.1 | Laredo Livingston Longview | KETX-FM 92.1 KYKX 105.7 | Randolph Cen Rutiand | WHWB-FM 98.1 WRUT 97.1 | Providence Pullman Richland | WPJB-FM 105.1 KQQQ 104.9 KORD-FM 102.7 |
| Amarillo | KACV-FM 89.9 KGNC-FM 97.9 | Lubbock | KTEZ 101.1 | Springfield St. Albans | WCFR-FM 93.5 WWSR-FM 102.3 WMTF 91.5 | Seattle | KXDD 106.3 KING-FM 98.1 |
| | KWAS 101.9 KDJW-FM 94.1 KFRN 98.7 | | KLLL-FM 96.3 | Stowe White River | WRFB 101.7 | | KEZX 98.9 KCMU 90.5 |
| Arlington Atlania | KAMC 94.9 KLUK 99.3 | Lufkin | KTXT-FM 91.9 KLUF-FM 105.1 KMHT-FM 97.3 | | WNHV-FM 95.7 | 1 31 | KETO-FM 101.5 KSEA 100.7 |
| Austin | KHFI-FM 98.3 KASE 100.7 | Marshall Mc Allen | KVMV-FM 96.9 | VI | RGINIA | | KISW 99.9 KYAC-FM 95.5 |
| | KOKE-FM 95.5 KLBJ-FM 93.7 | Mc Kinney Midland | KNFM 92.3 KWMJ 103.3 | Appomattex Abingdon | WTTX-FM 107.1 WBBI-FM 92.7 | | |
| | KAZ! 88.7 KUT-FM 90.7 | Mineral Wells | KBAT 93.3 KMWT 95.9 | Altavista Arlington Ashland | WKDE-FM 105.5 WAVA-FM 105.1 WIVE-FM 100.1 | | KRAB 107.7 KTW-FM 102.5 KUOW 94.9 KIXI-FM 95.7 |
| Beaumont | KAYD 97.5 KBPO 94.1 | Mount Pleasan | KMUL-FM 103.1 KSFA-FM 92.1 KSAU 90.1 | Big Stone Ga Blacksburg | WLSD-FM 93.5 | Spokane | KREM-FM 92.9 KMB1-FM 107.9 |
| | KTRM-FM 95.1 KVLU 91.3 | Nacogdoches | KELW 103.3 | Blackstone Charlottesville | WBBC \ 93.5 | | KDNC-FM 93.7 KEZE-FM 105.7 |
| Beeville | KWIC 107.7 KJDF 104.9 | New Boston | KNBO 95.9 | Cital Introspering | | ICATIONS WO | RLD/Fall-Winter |

| J | i | | • | U.S. FN | A STATIO | NS BY LO | DCATION |
|---|---|--|---|--|--|--|--|
| Location | Call MHz | Location | Call MH | Location | Call MHz | Location | Call MHz |
| Sunnyside Tacoma | KICN 98.9 KSFC 91.1 RXLY-FM 99.9 KHO-FM 98.1 KREW-FM 96.7 KPEC-FM 90.9 KLAY-FM 106.1 | Appleton Ashland | WLFM 91.1 WAPL-FM 105.7 | | WBCS 102.9 WAWA-FM 102.1 WQFM 93.3 WKTI 94.5 WVCY 107.7 WNUW 99.1 WUWM 89.7 | Casper Cheyenne Cody | KAWY 94.5 KYWO-FM 108.3 KFBC-FM 97.9 KYDZ 90.1 |
| Toppenish Walla Walla Wenatchee Yakima | KPLU-FM 88.5 KNBQ 97.3 KTOY 91.7 KBRD 103.9 KENE-FM 92.7 KWCW 90.5 KPQ-FM 102.1 KIAM-FM 104.9 KUTI-FM 104.1 | Baraboo Beaver Dam Beloit Berlin Brule Burlington Chiltop Chiltop | WATW-FM 95.9 WLVE 94.9 WBEV-FM 98.1 WISS 102.3 WHSA 89.9 WBSD 89.1 WPNE-FM 89.3 WCFW 105.5 | Milton Minoequa Monroe Neenah-Menasi Neilisville New London New Richmond Oconto | WYMS 88.9 WMDF 89.9 WWMH 95.9 WEKZ-FM 93.7 ha WROE 94.3 WCCN-FM 107.5 WL1H-FM 93.5 WL1H-FM 93.5 | Gillette Jackson / Lander Laramie Riverten | KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.5 KIOZ 102.9 KCWC 88.1 |
| | KFFM 107.3 KIT-FM 94.5 | Colfax Ociaficid Dodgeville | WHWC 88.3 WHAD 90.7 | Oshkosh | WOCO-FM 107.1 WMKC 96.7 WRST-FM 90.3 WOSH 103.9 | Agana | KUAM-FM 93.9 K8TO 95.5 |
| Beckley | VIRGINIA WBKW 99.5 | Durand Eagle River Eau Claire | WRDN-FM 93.9 WERL-FM 94.8 WIAL 94.1 WBIZ-FM 100.7 | Park Falls Platteville | WYTL 103.9 WNBJ-FM 98.3 WSUP 90.5 | 1 | TO RICO |
| Berkley Spring | | Fond du Lac | WEAU-FM 104.5 WUEC 89.7 WFON 107.1 | Portage Port Washingto | WSWW-FM 99.3 WPDR-FM 100.1 | Arecibo Aguada | WCMN-FM 107.3 WNIK-FM 108.5 WRFE 105.5 |
| Bluefield Buckhannon | WVBC 86.1 WHIS-FM 104.5 WBDY 106.3 WVWC 88.9 | Fort Atkinson Green Bay | WFAW-FM 107.3 WIXX 101.1 WGBP-FM 90.1 | Prairie du Chie | WGLB-FM 100.1 | Aguadiila Bayamon | WIVA-FM 100.3 WTPM 92.9 WRSJ-FM 100.7 WEYA 94.7 |
| Charleston | WQBE 97.5 WBES 96.1 WKNA 98.5 | Hartford V | WGBW 91.5 WDUZ-FM 98.3 WTKM-FM 104.9 WRLS 92.1 | Reedsburg Rhinelander | WRKR-FM 100.7 WFNY 92.1 WRDB-FM 104.9 WRHN 107.9 | Caguas Camuy | WVJP-FM 103.3 WCHQ-FM 102.9 |
| Charles Town Clarksburg | WTIO 102.7 WVAF 99.9 WZFM 98.3 | Highland Holmen Janesville | WHHI 91.3 WHLA 90.3 WJVL 99.9 | Rice Lake Richland Center Ripon | WJMC-FM 96.3 | Carolina Cidra Corozal Fajardo | WOLA-FM 107.7 WBRQ 97.7 WORO 92.5 |
| Elkins | WRGT-FM 106.5 WPDX-FM 104.9 WVHF-FM 92.7 WCDE 90.3 | Kaukauna Kenosha | WKAU-FM 104.9 WLIP-FM 95.1 WGTD 91.1 | River Falls Sauk City | WRPN 90.1 WEVR-FM 108.3 WRFW 88.7 WVLR 96.7 | Guayama Hormigueros Isabeia | WMDD-FM 94.7 WXRF-FM 106.9 WBOZ-FM 92.1 WKSA-FM 101.5 |
| Fairmont Fort Gay | WWFC 90.9 WFGM 97.9 WFGH 90.7 | Kewaunee La Crosse | WAUN 92.7 WLSU 88.9 WSPL 95.9 WWLA 93.3 | Shawano Sheboygan | WTCH-FM 100.1 WHBL-FM 97.7 WSHS 91.7 | Luquiilo Manati Maricao | WZOL 92.1 |
| Huntington | WEMM 107.9 WMUL 88.1 WHEZ 103.3 WKEE-FM 100.5 WKLP-FM 94.1 | Ladysmith Madison | WWLA 93.3 WLXR 104.9 WWIB 92.9 WERN 88.7 | Shell 'Lake Sparta Stevens Point | WKCF 95.3 WCOW-FM 97.1 WSPT-FM 97.9 | Mayaquez | WKJB-FM 99.1 WORA-FM 97.5 WOYE-FM 94.1 |
| Keyser Logan Martinsburg | WVUW-FM 101.9 WEPM-FM 97.5 | | WIBA-FM 101.5 WORT 89.7 WISM-FM 98.1 | Sturgeon Bay Sun Prairie | WSUS 89.9 WWSP 89.9 WDOR-FM 95.9 WYXE 92.1 | Ponce Quebradillas | WZAR 101.9 WPAB-FM 93.3 WPRP-FM 105.1 WREI 98.3 |
| Morgantown Oak Hill | WAJR-FM 101.9 WCLG-FM 100.1 WOAY-FM 94.1 | Manitewes Marinette | WZEE 104.1 WNWC 102.5 WKUB 92.1 | Superior Suring Tomah | W88U 91.3 WRVM 102.7 WTMB-FM 98.9 | San German San Juan | WIPR-FM 91.3 WIAC-FM 102.5 |
| Parkersburg Pennington Goo | WKYG-FM 103.1 WIBZ 99.3 WXIL 95 1 WSWV-FM 105.8 | Marshfield \ | WHMD 91.5 WLST 95.1 WDLB-FM 106.5 WRJC-FM 92.1 | Two Rivers Viroqua Watertown | WQTC-FM 102.3 WGBM 102.3 WTTN-FM 94.1 WMIL 106.1 | | WSRA 93.7 WKAQ-FM 104.7 WKVM-FM 105.7 WPRM-FM 98.5 |
| Philippi Princeton Romney | WQAB 91.3 WAEY-FM 95.9 WJGF 91.5 | | WIGM-FM 99.3 WMFM 92.1 WV88 90.7 | Waukesha Waupaca Waupun Wausau | WMIL 106.1 WDUX-FM 92.7 WLKE-FM 99.3 WDEZ 101.9 | Utuado Vieques | WQBS-FM 99.9 WUPR-FM 104.1 |
| Salem St. Albans Shepherdstown | WITB-FM 91.1 WKLC-FM 105.1 WSHC 88.7 | i Middleton V | WZMF 98.3 WJMT-FM 93.5 WAD-FM 108.3 | Wauwatosa | WHRM 91.9 WIFC 95.5 WEZW 103.7 | | WZV8-FM 98.9 |
| Weich Weston Wheeling | WKJC, 106,3 WHAW-FM 102.3 WKWK-FM 97,3 WWVA-FM 98,7 | Milwaukee | WFMR 96.5 WZUU 95.7 WISN-FM 97.3 WRIT-FM 102.9 | West Bend Whitewater | WBKV-FM 92.5 WSUW 91.7 WNNO-FM 107.1 WWRW 103.3 | Charlotte Amalie Christiansted Frederiksted -St. Thomas | WIBS 97.9 WIVI-FM 99.5 WVIS 106.7 WIUJ 88.9 |
| | U.S. | FM STA | TIONS | BY CAL | | | W101 08.9 |
| Call Loc | cation MHz | Call Loca | | | tion MHz | | ation MHz |
| KAAM Berryvii KAAP-FM San KABG Cambrid | ta Paula CA 067 | KAUG Salinas, (KAUM Houston, 1 | CA 90.9 Tex. 96.5 | KBHS-FM Hot : KBHU-FM Spea | Springs AR 96.7 | KCCQ Ames, IA KCDC Longmont | 107.1 |
| KABL-FM San | Francisco, CA 98.1 | KAUR Sloux Fall KAUS-FM Austin KAVI-FM Rocky | 1, MN 99.9 | KBIC Alice, TX KBID Wichita F | MU 91.3 102.3 alls TX 92.0 | KCDR-FM Cedar | City, Utah |
| KACO St. Louis KACV-FM Ams KADI St. Louis KADL-FM Pine KADO Texarkan | . Mo. 107.7 arilio, TX 89.9 MO 96.3 | KAVR-FM Apple KAVS Thief Rive | r Falls, Minn. | KRIM FM Roswe | 88, CA 104.3 | KCEE-FM Tueso KCEP Las Vega: KCES Eufaula, O KCEZ Kansas Ci | s, NV 88.1 kia. |
| KADL-FM Pine KADO Texarkan KADQ-FM Rex | Bluff, AR 94.9 na AR 107.1 burg, ID 94.3 | KAWB McKinney KAWL-FM York, KAWW Heber Si KAWY Casper, W | . Tav OF 2 | KBIQ Edmonds, KBIC Great Ben KBLE-FM Seattl KBLI-FM Black | d, KS 91.9 e, WA 93.3 loot, ID 97.7 | KCFO Tulsa, O | 98.5 |
| KADQ-FM Rex KADX Denver, KAEZ Oklahoma KAFE-FM Santi KAFG Oklahoma | CO 105.1 a City, OK 107.7 a Fe, N. M. 97.3 | NAME - FM Granu | Rapids, MN | KBMC Eugene, O KBLJ La Junta, KBMF-FM Spear KBMO-FM Benso KBMS Billings, KBMS West Coul | CO 94.5 CO 92.1 man, TX 98.3 n, Minn. 93.5 | KCFK Denver, GC KCFS Sioux Fall KCFV Ferguson, KCGM Scobey, M KCHA-FM Charle KCHC Central P KCHE-FM ICherc KCHF-FM Sloux KCHO Chieo, Cal | s, S.D. 90.1 Mo. 89.5 Mont. 95.7 |
| KAFI Auburn, (KAFM Dallas T KAGB-FM Ingli KAGE-FM Win KAGH-FM Cros KAGM Klameth | City OK 102.7 CA 101.1 CX 94.5 ewood CA 103.9 | KAXR Flagstaff, KAYD Beaumont, KAYE-FM Tonkay | AZ 88.5 | KROE-EM Oskal | 104.0 | KCHC Central Po | es City, IA 104.9 oint OR 91.7 okee, IA 102.3 Falls, S.D. 93.5 |
| KAGE-FM Win KAGH-FM Cros KAGM Klamath | ona, MN 95.3 sett AR 104.9 Falls OR 98.5 | KAYE-FM Tonkay KAYK-FM Provo KAYL-FM Storm KAYN Tueson AZ KAZI Austin T | | KBOI-FM Boise, KBOO Portland, KBOP-FM Pleasa | ID 97.9 OR 90.7 Inton, TX 98.3 | KCHO Chico, Cal KCHU Dallas, T.; KCII-FM Washir KCIL Houma, LA KCIM-FM Carroll | l. 91.1 X 90.9 Inton, IA 95.3 |
| KAHS Areata C KAIM-FM Hono KAIR-FM Tueso KAKC-FM Tulso KAKC-FM Tulso | A 91.5 lulu, HI 95.5 n AZ 94.9 | KAZI Austin, T) KBAR-FM Burley KBAS Lake Havas | SU CITY, AZ | KBOS Tulare, Cal KBOW Butte MT KBOY-FM Medfor | . 94.9 94.1 rd, OR 95.3 | KCIL Houma, LA KCIM-FM Carroll KCIR Corsicana T | A 107.1 I, Ia. 'X 107.9 |
| KALJ Yuma AZ | 95.1 | KBAT Midland T. KBAY San Jose, (KBAZ Bisbes, AZ | X 93.3 CA 100.3 92.1 | KBPK Buena Par KBPO Beaument. | rk, Calif. 90.1 | KCIR Corsicana T KCIV The Dailes, KCIZ Springdale, KCJB-FM Minot, | Ore. 104.5 AR 104.9 ND 97.1 |
| KALU Langston, | ÖK 90.7 | KBBB-FM Borger KBBC Phoenix AZ KBBD Beaver, UT | TX 104.3 98.7 99.1 | KBRA Wichita KS KBRD Tacoma, KBRE-FM Cedar KBRF-FM Fergus | 97.9 | KCKN-FM Kansa KCLC St. Charles | is City, Kan. |
| KAMA-FM E! Pa | CA 90.7 180, TX 93.1 | KBBS-FM Borger KBBC Phoenix A; KBBD Beaver, UT KBBF Santa Rose, KBBK-FM Boise, KBBL Riverside, (KBBY Ventura, Ca KBCA Los Angele | CA - 89.1 1D 92.3 CA 99.1 dif. 95.1 | KBRG San Franci | aco, CA 105.3 | KCLD-FM St. CI KCLK-FM Clarks KCLN-FM Clinto KCLO-FM Leave | ton WA 94.1 n, lowa 97.7 nworth, KS 98.9 |
| KAMC Arlington KAMO-FM Roge KAMS Mammoth AR | rs AR 94.3 Springs | KBCM Sloux City, KBCR Steamboat | IA 95.5 Springs. | KBRU-FM Brinki KBRV-FM Broeki KBRU Fort Morg KBRX-FM O'Neil KBSB-FM Bemid KBSO Espanola, KBSU Boise, iD KBTM-FM Jonesb KBUC Terrell HU | Ings, S.D. 94.3 rton, WA 106.9 lan, CO 101.7 | KCLN-FM CIARS KCLN-FM CIINTO KCLO-FM Leave KCLU-FM Rolla, KCMK Glenwood KCMT-FM Alexar | MO 94.3 Springs, CO 90.5 adria, Minn. |
| KANG Angwin, (KANR Great Fall KANS-FM Larne KANU Lawrence, | 05.1 CA 89.9 S MT 98.9 Id, KS 96.7 | CO KBCS Bellevue W KBCT Fairfield, I KBDG Turlock, CA | A 91.3 A 95.9 | KBRX-FM O'Neil KBSB-FM Bemid KBSO Espanola, | II. NE 92.7 Ji, MN 91.9 NM 102.8 | KCMU Seattle W/ KCNM Carlsbad, P KCNT Hastings, P KCNW Kilgore, T KCOE-FM Cedar KCOG-FM Center KCOL-FM Fort C | 100.7 90.6 1. M. NE 88,1 |
| KANU Lawrence, KANW Albuquerq KAOH-FM Dulut | KS 91.5 lue, NM 89.1 h. MN 94.9 | KBDR Merced CA KBED Lake Provid KBEF-FM Modeste | 89.1 Jence, LA 92.7 | KBTM-FM Jonesh KBUC Terrell Hill KBUH-FM Bright | 90.1 loro AR 101.9 ls TX 106.3 | KCNW Kilgore, 1 KCOE-FM Cedar KCOG-FM Center | TX 95.9 Rapids IA 90.9 ville IA 98.7 |
| KANU Lawrence, KANW Albuquerq KAOH-FM Dulut KAOI Wauluku, KAOL-FM Carrol KAOS Olympia V KAPB-FM Marks KAPX San Cleme | HI 95.1 ton, MO 101.1 VA 89.3 ville, LA 97.7 | KBEM-FM Minnea | polis 88.5 | KBUZ-FM Mesa . KBVL Boulder, Co | AZ 104.7 | KCOU Columbia | MO 88 1 |
| KAPX San Cleme KARA Santa Clar KARD-FM Wich! | ville, LA 97.7 ente, Cal. 107.9 ra CA 105.7 ta. Kana. 107.3 | KBEQ Kansas City KBEW-FM Blue E KBEZ Salinas, CA KBFC Forrest City | MO 104.3 | KBVR Corvallis, I KBXL-FM Caldwe KBYU-FM Provo, KCAL-FM Redian KCAP-FM Helena | | KCOZ Shreveport KCPI Albert Lea KCPR San Luis O KCPX-FM Sait Le | ike City, UT |
| KARA Santa Ciar KARA Santa Ciar KARD-FM Wich! KARN-FM Little KASB Bellevue, W KASD Aberdeen, S KASE Austin Te | ta, Kans. 107.3 Rock AR 103.7 /ash. 89.3 3.D. 90.1 | KBFL Buffalo, MO | 90.3 | KCAL-FM Redian KCAP-FM Helena KCBI Dailas, TX | ds, CA 96.7 , MT 103.1 89.3 | KCRC-FM Enld, KCRF-FM Winnsl | |
| KASE Austin, Te KASF Alamosa, C KASK Las Cruces KASU Jonesboro | B. D. 90.1 x. 100.7 colo. 90.9 k. N. M 103.1 | KBGN-FM Caldwell KBHB-FM Sturgis | i. 88.7 I, Ida. 94.1 SD 93.1 | KCBI Dailas, TX KCBL-FM Greeley KCBM Chieo, Cali KCBS-FM San Fri KCBX San Luis 0 | f. Colo. 91.5 f. 93.7 ancisco, Calif. | KCRI Helena, Al KCRV Caruthersvii KCRW Santa Moni KCSB-FM Santa B | lie, MO 103.1 |
| KAUB Auburn, N KAUD-FM Winds | AR 91.9 E 105.5 For, CO 99.1 | KBHI-FM Modesto, KBHL Lincoln, NE KBHP Bemidji MN | CA 89.9 95.3 101.1 | KCBX San Luis O KCCK-FM Cedar I KCCM-FM Moorhe KCCO-FM Lawton, | bispo, CA 90 1 Rapids IA 88.3 ad, Minn. 91.1 Okla. 98.1 | KCSC Edmond, Ok KCSD Chinie, AZ | arbara, Cai. |
| NICATIONS WO | ORLD/Fall-Wint | er 1976 | | | - 3,- | 4 | 03.1 |

| Call Location MHz | Call Location MHz | Call Location MHz | Call Location MHz |
|--|--|---|--|
| | KFBD-FM Waynesville, Mo. | KHUB-FM Fremont, NE 105.5 KHVR Bijou, Calif. | KLGR-FM Redwood Falls, MN 97.7 |
| KCSM San Mateo CA 91.1 KCSN Northridge CA 88.5 KCSS Turlock, CA 91.9 KCSU-FM Ft. Collins, Colo. | KFCF Fresno, CA 88.1 | KIAG Sterling CO 96.7 KIAM-FM Wenatchee, WA 104.9 | KLGS Los Gatos, Ca!. KLGT Breekenridge, CO 102.3 |
| KCTB-FM Flagstatt, A2, 96.1 | KFFM Yakima WA KFGQ-FM Boone, la. 99.3 | KIBC Ogallala, NE 93.5 KIBQ Idaho Falls, ID 91.9 KIBS-FM Bishop, Cal. | KI II Ukiah Cai. |
| KCTY-FM Salinas, GA 103.5 KCUE-FM Red Wing, MN 105.5 KCUI Pelia IA 89.1 | KFIL-FM Preston, Minn. 103.1 | KIBS-FM Bishop, Cal. KICB Ft. Dodge, IA KICC International Falls, MN 91.5 | KLIN-FM Lincoln, Neb. 107.8 KLIR-FM Denver, Colo. KLIZ-FM Brainerd, Minn. 95.7 KLJC Kansas City, Mo. 88.5 |
| KCUM-FM Crookston MN 91-7 | KFJC Los Altos, Cal. KFJC Oklahoma City OK 98.9 | KICD-FM Spencer, la. KICE Bend OR 100.7 | KLLL-FM Lubbock, Tex. 96.3 |
| KCWM Victoria, TX 95.1 | KFJM.FM Grand Forks, ND 89.3 KFKZ Greeley, CO 96.1 KFLA.FM Scott City, Kan. | KICG Iowa City, IA 100.7 KICN Spokane, WA 98.9 KICR Cedar Rapids, IA 102.9 | KLOA-FM Ridgecrest, Calif. KLOH-FM Pinestone, MN 98.7 |
| KCYS Richland, Wash. KDAB Ogden, UT 101.1 KDAR Oxnard, CA 98.3 | KFLG Flagstaff, AZ 92.9 KFLP San Jose CA 106.5 | KICS-FM Hastings, Neb. KICT Wiehlta KS 95.1 KID-FM Idaho Falls, Ida. | KLOL Houston TX KLOM-FM Lompoe, Cal. 92.7 KLON Long Beach, Calif. |
| KDB-FM Santa Barbara, Calif. KDBH Natchitoches LA 97.7 KDBM-FM Oilion MT 98.3 | KFLY-FM Corvallis OR 101.5 KFMA Jerome, ida. 92.7 KFMB-FM San Diego, Calif. | KIDA Moorhead, MN 99.9 KIEE Harrisonville, MO 100.7 | KLOO-FM Corvailis, OR 106.1 KLOQ Lyons, KS 106.1 KLOR-FM Ponca City, OK 99.3 |
| KDBS-FM Alexandria, La. KDCR Sioux Center, Iowa 91.3 | KFMD Dubuque, Ia. KFMG Albuquerque, NM 107.9 | KIFG-FM lowa Falls, la. KIGC Oskaloosa, IA 88.7 KIIK Davenport IA 103.7 | KLOS Los Angeles, Calif. 95.5 |
| KODI Oak Grove, LA 96.7 | KFMI Eureka, Cal. 96.3 KFMK Houston, Tex.(s) KFMM Tueson AZ 99.5 | KIIQ.FM Manitou Springs, CO 102.7 Kiis.FM Los Angeles, CA 102.7 | KLPH St. Louis MO 89.9 KLPI Ruston LA 89.1 |
| KDES-FM Palm Springs, CA 104.7 KDEW-FM DeWitt AR 96.7 | KEMP Cape Girardeau, Mo. 102.9 | KIJV-FM Huron, 8D 92.1 KIKK-FM Houston. Tex. 95.7 | KLPW-FM Union, Mo. 101.7 KLRB Carmel, Cailf. 101.7 KLRE Little Rock AR 90.5 |
| KDEL-FM Arkadelphia, AR 100.9 KDEX-FM Dexter, Mo. 102.3 KDFC San Francisco CA 102.1 | KFMQ Lincoln, NE 101.9 | KIKO-FM Globe AZ 100.3 KIKT Greenville, TX 93.5 | KLRF Emporia, KS 104.9 |
| KDFM Walnut Creek, CA 92.1 KDHI-FM Twenty-Nine Palms, | KFMS Las Vegas, NV 101.9 KFMT La Grando OR 98.3 KFMU Oak Creek, CO 103.9 KFMU Magnolla AR 107.9 | KILI Mount Pleasant, 10wa 105.5 KILT-FM Houston, Tex. | KLSE-FM Rushford, MN 91-7 KLSN Brownwood TX 99.3 |
| Cal. KOHL-FM Faribault, MN 95.9 KDHS, Modesto, Cal. 90.5 | KFMW Waterloo IA 107.9 KFMX St. Louis Park, MN 104.1 | KIMI Keokuk 1A 95.3 KIMN-FM Denver, CO 98.5 KINB Poteau, Okla. 107.3 | KLSR St. Louis MO 89.7 KLSS Okmulgee, OK 94.3 KLTB Bolivar, MO |
| KDIC Grinnell, IA 88.5 KDIG San Olego, Cal. KDJQ Pueblo, CO 97.9 | KFMY Eugene, Oreg. | KIND-FM Independence, Kan, KING-FM Seattle, Wash. | KLTD Lampasas, TX KLUB-FM Salt Lake City UT 97.1 |
| KDIW-FM Amarillo, lex. KDKA-FM Pittsburgh, PA 92.9 | KFMZ Columbia, Mo. KFMB Oklahoma City, Okla. KFNE Big Springs, Tex. KFNV-FM Ferriday, La. 93.5 KFNW-FM Fargo, N.D. | KINI Indio, Cal. KINK Portland, Ore. 101.9 KINL Eagle Pass, Tex. 92.7 | KLUE-FM Longview, Tex. KLUF-FM Lufkin TX 188.1 |
| KOKD-FM Clinton, MO 95.3 | KFOG San Francisco, Calif. | KINL Eagle Pass, Tex. 92.7 KINT-FM El Paso, Tex. 97.5 KIOF Orange, TX 106.1 KIOI San Francisco, Cal. 101.3 | KLUK Atlanta, TX 99.3 KLUM-FM Jefferson City. Mo. 88.9 |
| KDLO-FM Watertown, SD 96.9 KOLR-FM Devils Lake, ND 96.7 KDLS-FM Perry, lowa 104.9 | KFRC-FM San Francisco | K100 Porterville, Calif. 99.7 K10Q-FM Bishop, CA 100.7 K10S-FM Omaha, Neb. 91.5 | KLUR Wichita Fails, Tex. KLVE Los Angeles, CA 107.5 |
| KDLY Lander, WY 97.5 KDMI Des Moines, Iowa | KFRN Amarillo, TX 98.7 KFRY Fresno, CA 101.9 KFSD San Diego CA 94.1 | KIOU Corpus Christi, Tex. | KLVL Pasadena, Tex. KLVN Newton, IA 95.9 KLVR Longview, WA 90.5 KLWN-FM Lawrence, Kan. |
| KDNC-FM Spokane, WA 93.7 KDNO Delano, Cal. 98.5 KDNT-FM Denton. TX 106.1 KDOL-FM Mojave, Cal. | KFSG Los Angeles, Cal. 90.3 KFIIN Las Vegas NM 100.9 | KIOZ Laramie, WY 102.9 KIPC Albuquerque, NM 91.5 | I KIYD.FM BAKETSTEID. Cal. 34.1 |
| KDOL-FM Mojave, Cal. KDOM-FM Windom, MN 94.3 KDOT-FM Scottsdale AZ 100.7 | KFUO-FM Clayton, Mo. KFWD Ft. Worth, TX 102.1 KFXD-FM Nampa, ID 94.9 KFXE France CA 93.7 | KISM Bellingham, WA 92.9 | KLYF Des Moines IA 100.3 KLYK Longview, Wash. 105.5 KLYN.FM Lynden, Wash. KLYQ.FM Hamilton, MT 95.9 KLYQ.FM Hamilton, MT 95.9 |
| KDPS Des Moines, Iowa KDSE Alice, TX 92.1 KDSN-FM Oenison, Iowa 107.1 | KFYR-FM Bismarck, N.D. KGAF-FM Gainesville, Tex. | KISS San Antonio, TX 99.5 KISW Seattle, Wash. 99.9 | KLYX Clear Lake City, Tex. 102.1 |
| KDSU Fargo, N.D. KDSX-FM Denison-Sherman, | KGBI-FM Omaha, Neb. 100.7 | KIT-FM Yakima, WA 94.5 KITA Modesto, CA 102.3 KITR Creston, 1A 101.7 | KMAG Fort Smith AR 99.1 KMAQ-FM Maquoketa, Ia. KMAX Sierra Madre, Calif. |
| KDTX Dallas, TX 102.9 KDUO Riverside, Calif. | KGFM Bakersheld, Cal. | KITT San Diego, CA 105.3 KITY San Antonio, TX 92.9 KIWA-FM Sheldon, IA 105.5 | KMBI-FM Spokane, WA 107.9 KMBQ Shreveport LA 93.7 |
| KOUR Durango, CU 91.9 KDUV Brownsville, TX 100.3 | KGHO-FM Hoquiam, Wash. | KIXI-FM Seattle, Wash. KIXS-FM Killeen TX 93.3 | KMBR-FM Kansas City, Mo. KMBS Harlingen, TX 96.1 KMCR-FM Phoenix AR 91.5 |
| KDUZ-FM Hutchinson, Minn. | KGLA Los Angeles, Calif. KGLC-FM Miami, OK 100.9 KGLM-FM Anaconda MT 97.7 KGLM-FM Anaconda MT 94.5 | KIXY-FM San Angelo IX 94.7 KJAM-FM Madison, SD 103.1 KJAN-FM Atjantic, IA 103.7 | K MCS Gatesville, TX 98.3 K MEO-FM Phoentx AZ 96.9 K MET Los Angeles, Cal. |
| KDVS Davis, Cal. 91.5 KDXU-FM St. George UT 93.5 KEAR San Francisco, Calif. 97.3 | KGLP Gallup, NM 94.5 KGLR Reno, Nev. 105.7 KGLT Bozeman, Mont. KGMI-FM Bellingham, Wash. | KJAX Stockton, CA 99.3 KJAZ Alameda, CA 92.7 KJCK-FM Junction City, KS 94.5 | KMEX Oallas. TX 100.3 KMFA Austin, TX 89.5 KMFB-FM Mendocino, Cal. |
| KEAZ DeRidder, LA KEBC Oklahoma City, Okla. | KGMO-FM Cape Girardeau, mo. | KJDF Beeville, TX 104.9 KJEF-FM Jennings, La. KJEL-FM Lebanon MO 103.7 | KMFE Emmett 1D 101.7 KMFL-FM Marshall, Mo. 102.9 KMFM San Antonio. Tex. (s) |
| KECR El Cajon, CA 93.3 KEDP Las Vegas, N.M. | KGMR-FM Jacksonville AR 100.3 KGNC-FM Amarillo, TX 97.9 KGNO-FM Dodge City, Kan. KGOL Lake Jackson, TX 102.3 | KJHK Lawrence, KS 90.7 KJIB Portland, OR 99.5 | KMFS Memphis, Tex. KMGK Des Moines, 1A 93.3 KMHI Walluku HI 95.1 |
| KEDQ Austin MN 90.7 KEOY Mount Shasta, CA 95.3 KEEY-FM Minneapolis-St. Paul. | KGON Portland, UK 92.9 | KILH Compton, CA 102.3 KILS Hays, KS 103.3 KIML Sacramento, CA | KMIH Mercer Islanu, Wash. 50.1 |
| KEEZ San Antonio, TX 97.3 | KGOT Anchorage, AK 101.3 KGOU Norman, OK 108.3 KGOW Broken Arrow, OK 92.1 | KJMO Jefferson City, MO 100.1 KJNA Jena, LA 99.3 KJOI Los Angeles, Calif. 98.7 | KMIT Mitchell, SD 102.3 |
| KEFM Nacagdoches, Tex. 103.3 KEHG-FM Fosston, Minn. 107.1 KEKI Honolulu, HI 93.9 KELA-FM Centralia, Wash. | KGRA Lake Charles, LA 103.7 KGRC Hannibal, Mo. 92.9 KGRD-FM Las Cruces, N.M. | KIOK Yuma AZ 93.1 KIPW-FM Waynesville, Mo. KIRG-FM Newton, KS 92.3 | KMKF Mannatten KS 103.9 |
| KELO-FM Sloux Fails, SD 96.5 KELT Harlingen, TX 94.5 KEMC Billings MT 91.7 | | KISK-FM Columbus, NE 101-1 | KMLB-FM Monroe, La. KMMK Little Rock, Ark. KMMM-FM Muskogee, Okta. KMMT Mammoth Lakes CA 106.3 |
| KENE-FM Toppenish. WA 92.7 | KGRG Auburn, WA KGRI-FM Henderson, Tex. KGRM Grambling LA KGRS Burlington, IA 107.3 | KKBC Carson City, NV 97.3 KKCA Fulton, Mo. 97.7 | KMNR Rolla, MO 89.7 |
| KEOK Tanteguan, UK KEOL La Grande OR WEPC Colorado Springs CO 90.5 | KGSP Parkville MO 90.3 KGTN-FM Georgetown, TX 96.7 | KKDJ Fresno, CA 105.9 | KMOX-FM St. Louis, Mo. |
| KEPH Ephralm, Utah 89.5 KEPO Eagle Point, OR 89.1 KEPT Shreveport, LA 96.5 | KGVH Gunnison, UT 91.7 KGVW-FM Belgrade, Mont. KHAK-FM Cedar Rapids 1A | KKEG Fayetteville AR 92.1 | KMRE Oumas, TX 95.3 KMRI Pittsburg, KS 96.9 |
| KEQR Chica. Cal. KERA-FM Dallas, TX 90.1 KERI Bellingham, Wash. | | KKFM Colorado Springs, Colo. | KMSA Grand Junction, CO 91.3 |
| KERS Sacramento, CA 90.7 | KHBM-FM Monticello AR 93.5 | KKIQ Livermore, CA 101.7 KKLP Pipestone, Minn. 98.7 KKLS-FM Rapid City, SD 93.9 KKLV Anchorage, AK 103.9 | KMSR Sauk Centre, MN 94.5 KMSU Mankato, Minn, 90.5 |
| KESM-FM El Dorado Springs, | KHBT Humboldt, Iowa 97.7 KHCB-FM Houston, Tex. 105.7 KHCC-FM Hutchinson KS 90.1 | KKLV Anchorage, AK 103.9 KKMA Pryor, OK 104.5 KKND Jamestown, N.D. 95.5 KKNG Oklahoma City OK 92.5 | KMTP Mt. Pleasant, UT 91.1 KMTW Twin Falls, 1D 96.5 KMTW-TWIN Falls, N.M. 99.1 |
| KESS Fort Worth, TX 93.9 KETO-FM Seattle, WA 101.5 KETR Commerce, TX 88.9 KETU Salem, Mo. 95.9 | KHDX Conway AR KHEN-FM Henryetta, Okia. | KKOP Redondo Beach, CA 93.5 | KMUL-FM Muleshoe, TX 103.1 KMUW Wichita, KS 89.1 KMYT Kodiak, AK 100.1 |
| KEIT Seattle, WA 94.1 | KHEX Yuba City, CA 103.9 KHEL-FM Austin, Tex. | KKSS St. Louis, MO 107.7 | KMXX Austin, TX 102.3 |
| KEWB Redding, Cai. 104.5 | KHFM Albuquerque, N.Mex. KHIB Durant OK 91.9 KHIG Paragould AR 104.9 | KKWB Breckenridge, Minn. 104.9 | KMYC Albuquerque, NM 99.5 KMYT Merced, CA 97.5 KNAF-FM Fredericksburg, Tex. |
| KEWE Camarillo CA 95.9 KEWT Sacramento CA 105.1 KEXL San Antonio TX 104.5 KEYA Belcourt, ND 88.5 | KHIO Crowley, LA 102.9 KHIP Hollister, CA 93.5 | KKYS Hanford, CA 107.5 KLAD-FM Klamath Falls OR 92.5 | KNAI-FM San Francisco, CA 99.7 |
| KEYC-FM Manketo, Minn. KEYN-FM Wiehita, Kan. | KHKA Hilisboro, Mo. 88.9 KHNY-FM Riverside, CA 92.7 KHLS Blytheville AR 96.1 | KLAK-FM Lakewood CO 107.5 KLAW Lawton, Okla. KLAY-FM Tacoma, Wash. | KNAS Nashville, AR 105.5 KNBQ Tacoma, WA 97.3 KNBS Manteea, CA 90.3 KNBT New Braunfels, Tex. 92.1 |
| KEZE-FM Spokane. Wash. 105.7 | KHOF Los Angeles, Calif. | KLAZ Little Rock AR 98.5 KLBJ-FM Austin TX 93.7 KLBK-FM Lubbock, Tex. | KNBU Baldwin, Kan. KNBY-FM Newport AR 105.5 |
| KEZJ Twin Falls, 1D 93.7 KEZK St. Louis MO 102.5 | KHOM Houma, LA 104.1 KHOO Wato TX 99.9 KHOP Modesto, CA 104.1 KHOZ-FM Harrison AR 102.9 | KLBS-F.M Los Banos, Cal. | KNCT-FM Killeen, TX 91.3 KNCV Rochester, MN 101.7 |
| KEZL San Diego CA 102.9 KEZQ Little Rock AR 94.1 KEZR San Jose CA 106.5 KEZU EI DORAGO, AR 103.1 | KHPA Hope, AR 104.9 KHPC Brownwood, Tex. | KLCO-FM Poteau, Okia. | KNCY-FM Nebraska City, NE 97.7 KNDY-FM Marysville KS 103.1 KNEB-FM Scottsbluff, Neb. 94.1 |
| KEZY-FM Anahelm CA 95.9 | KHPE Albany OR 107.9 KHQ-FM Spokane, Wash. KHRU Clayton, Mo. 88.1 | KLEE-FM Ottumwa, 1A 9/./ | KNED-FM McAlester, Ukla. |
| KFAC-FM Los Angeles, Calif. KFAB Fayetteville, Ark. KFAB Gliroy, CA KFAC Gliroy, CA KFAC 94.3 | KHSJ-FM Hemet, Cal. KHSS Honolulu, HI 97.5 KHSU-FM Areata CA 90.5 | KLFD-FM Litenneld, Minn. 95.5 KLFM Ames, Ia. | KNER Dallas, Tex. KNEV Reno, Nev. KNEW-FM Seottsbluff, Nebr. |
| KFBC.FM Cheyenne. Wyo. 97.9 | KHTC Helena, Mont. 89.5 | KLGA-FM Algona, Iowa 92.7 | The state of the s |

| 0.3. | | | 1 | | | | | (| |
|--------------|--|------------------------------|--------------|---|---------------------------------|--------------------------|---|-----------------------------|--|
| Call | Location | MHz | Call | Location | MHz | Call | Location | MHz | Call Location MHz |
| | allas, Tex. | 102.3 | KZLO | Pueblo, CO | 100.7 | N.C. WRAI Ne | y York, N.Y. | 93.9 | WCAR-FM Detroit, MI 92.3 |
| KVWJ L | FM Vernon TX Logan, UT FM Show Low A2 | | K Z O Z | Rolla MO San Luis Obispo, Santa Cruz CA | CA 93.3 88.1 | | | 90.3 | WCAU-FM Philadelphia, PA 98.1 |
| KAX1 C | FM Cheyenne, Wy Crescent City, CA | 90.1 | KZSI | Santa Kosa, Calli | , 100.1 | WBAW-F | mden City NY M Barnwell, S.C. A Pittsfield, III. | 93.5 | WCBE Columbus, Ohlo WCBK-FM Martinsville, Ind. |
| KWAO | Sun City, AZ | 101.7 106.3 89.1 | KZUN | Stanford, CA -FM Opportunity, Golden Meadow, | Wash. LA 94.3 92.7 | WBBF Ro | chester, NY | 92.5 | 102.3 1 |
| KWAS | Waverly, IA Amarillo, TX FM Watertown, S. | 101.9 | WAAF | Worcester, Mass. Binghamton NY | 99.1 | WBBM-F WBBO-F | ackstone, VA chester, NY Abingdon, Va. M Chicago, III. M Forest City, N.: M Augusta, Ga. | c. | WCBL-FM Benton, Ky. WCBN Ann Arbor MI 89.5 WCBN-FM New York, N.Y. WCBU Peorla IL 89.9 |
| KWAV | Monterey, CA | 96.9 | WAAN | I-FM Parkersburg | ı, W.Va. 92.i | WOCE R | uffalo NV | 94.5 | WCBU Peorla IL 89.9 WCBW Columbia, III. WCBY-FM Cheboygan, Mich. 105.1 WCCA McComb. Miss. 94.1 |
| KWBE- | FM Beatrice, NE FM Boone, IA Morrison, Colo. | 92.9 98.3 91.1 | WAAZ WABB | -FM Crestview, F -FM Mobile AL -FM Ft. Campbel | 18. 97.5 | WEBR WBCH-F | Inc. M Hastings, Mich Illamsburg VA | . 100.1 | WCCA McComb, Miss. 94.1 WCCC-FM Hartford, Conn. 106.9 |
| KWBU KWBW | Waco, TX FM Hutchinson, FM Ogden, Utah | KS 102.9 | | Atlanta, Ga. | 107.9 | WBCL Fo | Illamsburg VA rt Wayne, IN M Bay City, Mich oston, Mass. | 98.5 90.3 | WCCC-FM Hartford, Conn. 106.9 WCCE Bules Creek, NC 90.1 WCCF-FM Punta Gorda, Fla. 92.7 |
| KWCW | Walla Walla, Wa | sh. 90.5 96.7 | WABI | -FM Fairhope A -FM Adrian, MI (-FM Gardiner M)-FM Waynesboro | 92.1 95.3 E 104.3 | WBCN B | oston, Mass. M Bucyrus, O. | | WCCH Holyoke, MA 89.5 WCCI Savanna IL 100.1 |
| KWDM | Idabel OK West Des Moines FM Seguin, Tex. | , IA 88.9 105.3 | WABO | FM Waynesboro | MS 105.5 90.5 | WBCS M | M Bucyrus, O. M Beloit, Wis. ilwaukee WI | 102.9 | WCCK Erie, Pa. 103.7 WCCM-FM Lawrence, Mass. WCCN-FM Neilisville, Wis. WCCO-FM Minneapolis, Minn. |
| KWEH | Camden AR Tulsa OK | 97.1 95.5 | WABZ | -FM Tifton, GA Oetroit, Mich. -FM Albemarie, I | N.C. 99.5 | WBDC H | olumbia, SC untingburg, IN idianapolis, Ind. | 90.5 100.9 | 102.9 |
| KWFC KWFM | Springfield, MO Tucson AZ FM San Angelo. | 97.3 92.9 Tex. | | Freeport, III. -FM Waycross, G | | WBDY B | luefield, WV | 106.3 | WCCQ Crest Hill, IL 98.3 WCCS Central City PA 101.7 WCCV-FM Charlottesville, Va- |
| KWGS | FM San Angelo, FM Abernathy, T Tulsa, OK | ex. 89.5 102.3 | WACI | M Freeland, PA | AL 105.5 | WBES C | M Buffalo, NY harleston WV M Brockton, Mass | 102.5 96.1 | WCCV-FM Charlottesville, Va. WCCW-FM Traverse City, Mich. WCDE Elkins, WV 90.3 |
| KWHC | Forrest City AR Brenham, TX FM Salt Lake Cit | 106.3 tv. Utah | WAD | B Point Pleasant, I Corinth, MS M-FM Decatur, II | 95.3 | WBEU-F WBEV-F | M Brockton, Mass M Beaufort, S.C. M Beaver Dam, V | Wis. | WCDE Elkins, WV 90.3 WCDL-FM Carbondale, Pa. 94.3 WCDR-FM Cedarville, O. WCDE Elkins, WV 90.3 |
| KWHP | Edmund, Okla. W. Sacramento, C -FM Altus OK | 31.1 | WAD | V Buffela N Y | 106.5 | WREX-F | M Chillicothe, Oh | 00.0 | WCEA-FM immokales FL 95.8 |
| KWIC | Beaumont 1X | 93.5 107.7 97.7 | WAE | L-FM Maricao, P R Syracuse, N.Y. Y-FM Princeton | WV 95.9 97.5 | WBFG D | hicago, III. etroit, Mich. Bloomfield Hills, eneca, S.C. | M I 88.1 | WCED-FM Dubois, Pa. WCEH-FM Hawkinsville, Ga. 103.9 |
| KMIG- | Lodi CA FM Moses Lake, ' | Wash. 100.3 | WAF | Z Akron OH B-FM Baton Roug G Ft. Lauderdale | re, La. 98.1 FL 90.3 | M RLO C | Seneca, S.C. Buffalo, NY Bricktown, NJ | 88.7 91.9 | WCEN-FM Mt. Pleasant, Mich. WCER-FM Charlotte, Mich. |
| KWKC | FM Santa Ana, Ca FM Abilene, Tex | | WAF | L Milford DE | 95.3 | WBGM-I | FM Tallahassee, F lewark, N.J. | la. | WCFM Williamstown, Mass. WCFR-FM Springfield, Vt. 93.5 WCFW Chippewa Falls, Wis. 105.5 |
| KWKK | Kansas City, MO Dardanelle, AR Anchorage, AK | 93.3 102.3 102.1 | WAG | R Durham, NC T Valdosta, GA I-FM Gaffney, SC | 90.3 101.1 105.3 | WRGR. | M Paris KY Bowling Green, O Bangor ME | 96.7 H 88.1 97.1 | WCHK-FM Canton, Ga. |
| KWKQ | Plainview, TX | 107.1 91.5 | WAH | M Amherst, Mass | s. 89.5 99.1 | WBGY-F | M Lutianoma, I | 88.5 | WCHN-FM Norwich, N.Y. WCHO-FM Washington Court |
| KWMJ | San Angelo, Tex. Midland, TX St. Louis, Mo. | 90.7 | WAH | S Auburn Heights A Miami FL Springfield, Mat | , MI 89.5 97.8 | WRHM WBHR | Birmingham, Al Bellair, OH Brunswick ME | 90.3 88.7 91.1 | House, O. WCHQ-FM Camuy, P.R. 102.9 WCHR Trenton, N.J. 94.5 |
| KWMU KWNS | St. Louis, Mo. FM Pratt, Kan. FM Davenport, I | 90.7 | I WAII | C Springfield, Mas Cincinnati, OH N-FM Columbia, | KV. | WBIE N | arietta, GA edford, IN M Bridgewater | 101.5 | WCIB Falmouth, Mass. 101.9 |
| I KWBA | . FM WOLLDINGTON | Minn 106.5 | WAL | / Jacksonville, F C Indianapolls, In | L 96.9 d. | WBIM-F | M Bridgewater M Booneville, M M Knoxville, Ter | MA 91.5 S 99.3 | WCIE-FM Lakeland, FL 91.3 WCIG Mullins, SC 107.1 WCII-FM Washington, IA 95.3 |
| KWPB KWPM | Sacramento, CA Liberty, MO I-FM West Plains -FM Warren, AR | 91.9 , MO 93.9 | WAR | P Joliet, III. R-FM Morgantowi G Danville VA | n, W.Va. 103.3 | WBIR-F WBIV V N.Y. | M Knoxville, ler | in. hip, 107.7 | WCIL-FM Carbondale, III. 101.5 WCIR-FM Beckley, W.Va. 103.7 |
| KWRI | -FM Warren, AH -FM Boenville, N -FM Gunnison, Co | 10 33.3 | WAK | M Bedford, Pa. N.FM Aiken, S.C O.FM Lawrencev |). (ii. 111 | WR17-F | M Eau Claire, W Incroft NJ altimore, Md. | is. 90.5 | WCIS-FM Moss Point, Miss. WCJM W. Point, Ga. WCKO Pompano Beach. FL 102.7 |
| KWSC KWSN | Wayne NE | 108.7 | WAK | Q Russelville, K W Cincinnati, Ol | Y 101.1 | I WRJH 1 | renton, N.J. | 105.1 | |
| KWST | Los Angeles, Cal -FM Barstow, C. -FM Springfield, | . 105.9 A 94.3 MO 98.7 | WAR | X-FM Duluth, N | NN 98.9 | I Ind. | Orlando, FL FM North Manche | 89.5 | WCKW La Place, La. WCLA-FM Claxton GA 107.1 WCLD-FM Cleveland MS 103.9 WCLE-FM Cleveland, Tenn. |
| KWTS | -FM Waco, Tex. | 97.5 | WAL | F Aifred NY K-FM Patchogue, L-FM Middletown | N.Y. | WRKT | Owensboro KY Brockport, NY FM West Bend, V | 92.5 90.5 | WCLG-FM Morgantown, |
| KWUF | R Clayton, MO C-FM Columbia, M M Stephenville, T | 90.3 fo. ex, 98.3 | WAL | M-FM Marshall, | MICH. 90.5 | WBKW | Beckley, W.Va. Lexington, Ky. | | WCLH Wilkes-Barre, Pa. 90.7 WCLI-FM Corning, NY 106.1 WCLK Atlanta, GA 91.9 WCLO-FM Janesville, WIs. |
| KWXI | R-FM Mexico, Mo | 97.1 | WAL | R-FM Union Cit T Meridian, Miss X Selma, AL | 100.0 | WBLD WBLI F | Orehard Lake, Notes | 106.1 | WCLO FM Janesville, WIS. WCLR Skokle, 111. WCLT-FM Newark, Ohio |
| KWXY | -FM Cathedral C | 103.1 | WAI | AR.FM Nashville | TN 92.9 | WBLM | FM Buffalo, N.Y. Lewiston-Auburn FM Batesburg, S. | ME 107.5 | WCLV Cleveland, D. |
| KWY | Security CO N-FM Wynne AR R-FM Winner, SD | 92.7 93.7 | WAR | NC Albany, N.Y. NI-FM Opp AL NO-FM Pittsburgh NP-FM Toledo, O | h. Pa. H 88.3 | WBLS | FM Batesburg, S. New York NY Mobile AL FM Springfield, C Elwood, Ind. | 107.5 92.9 Thin (02.9 | WCLW-FM Mansfield, Ohio WCMC-FM Wildwood, N.J. WCME-FM Brunswick, Maine |
| KWYI | r-FM Salinas, C Maryville, Mo. Richland, WA | A 100.7 90.5 106.3 | L WAI | MP-FM Toledo, O MR-FM Venice, F MU-FM Washingt | on, U.C. | WBMP | Elwood, Ind. Telford, PA | 89.7 | WCMF-FM Rochester, N.Y. WCMJ Chester, S.C. 99.3 WCMN-FM Arecibo, P.R. |
| KXEV | V-FM Tucson AZ | wa 93.7 | I WAY | MX Ashland, KY NG Coldwater, Mi NS-FM Anderson, | ch. 98.5 S.C. | I WRNB- | Telford, PA FM Asheville, M FM Charlotte Am FM Conway, N.H | asie, v.i. | WCMO Marietta, Ohio |
| KXFN KXGI | Sauta Maria, Ca -FM Fort Madison Areata CA | li. | WA | Y-FM Albany, K | y. | WBNL- | FM Boonville, In | d. 100.9 | WCMQ-FM Hisleah, FL 92.1 WCMS-FM Norfolk, Va. WCMT-FM Martin, Tenn. 101.7 WCMU-FM Mt. Pleasant, Mich. |
| KXGF | R Grand Rapids, R | NN 96.7 | WAI | OV-FM Vincennes PC-FM Riverhead PI-FM Birmingha PL-FM Appleton, | N.Y. m AL 94.5 | WBNQ WRNT | Bloomington, III. | n. 105.5 | WCMX Ft. Wayne, 1nd. 101.7 |
| KXIK | FM Forrest City | , Ark. | WAI | PL-FM Appleton, PS Akron. Chio | W18. | WROF | Buffalo, N.Y. FM Salisbury, M Cleveland, Ohio | | WCNB-FM Connersville, Ind., WCNH-FM Quincy, Fla. WCNI New London CT 91.5 |
| KXLE | FM Ellensburg Los Angeles, Ca FM Spokane, W: FM El Control Cal | WA 95.3 1. 88.9 | | S Akron. Ohio QT Carrolton, AL QY Springfield M. RC Meadville, Pa. | | WROP. | FM Pensacola, F Terre Haute, II Brunswick, Main | L 101.5 N 107.5 | WCNL-FM Newport, NH 101.7 |
| KXLY | FM El Centro, C Sacramento, Cali | ash. A 107.5 | WA | RG Summit, IL RK.FM Hagerstov RP Due West. 8.0 | vn, Md. 106.9 2. 91.7 | WB08 | Brunswick, Main Brookline-Boston FM Hormigueros. | MA 92.9 | WCOD Hyannis, Mass. 106.1 WCOH-FM Newnan, Ga. |
| KXO | Fort Worth TX (-FM Sweetwater, W-FM Hot Springs | 99.5 TX 96.7 | WA | RT Plainfield, II RU-FM Peru, Ind | N 98.3 | WRPM | Kingston, NY Barrington, IL FM Lock Haven, | 94.3 | WCOD Hyannis, Mass. 106.1 WCOH-FM Newnan, Ga. WCOL-FM Columbus, Ohle WCOM-FM Urbana, O. WCON-FM Cornelia, Ga. |
| KX0V KXQI | W-FM Hot Springs R Fresno, Calif.(s) A-FM Alexandria. C Glendale AZ | Minn. | WA | RT Plainfield, II RU-FM Peru, Ind RY Mt., Kiseo N' SH Washington, I | Ϋ 88.5 D.C. | WBPZ | FM Lock Haven, Decatur, AL FM Mt. Clemens | 91.7 , Mich. | WOOD EM Docton Mose |
| KXTC | Glendale AZ R Kansas City, Mo | 92.3 | | SK-FM Lafayette SL Dyersburg, Ti SU-FM Boone NC TM-FM Atmore A | | WBRE | Decatur, AL -FM Mt. Clemens -FM Wilkes-Barr -FM Pittsfield, N | e, Pa. | |
| KXTZ | Kansas City, Mo Henderson, NV Alamogordo, N. M | 94.1 1. 105.5 | WA | TM-FM Atmore A | L 104.1 e, Tenn. .C. 94.3 | | | 97.7 | WCPA-FM Clearfield, Pa. WCPC-FM Houston, Miss. 93.3 |
| ŘXX. | K Chickasha OK X-FM Colby KA Y Oklahoma City | 100.3 OK 98.1 | WA | TM-FM Atmore A TO-FM Oak Ridg TP-FM Marion, S TW-FM Ashland, TZ-FM Alpena, N UG-FM Augusta, UN Kawaunee W | Wis. 95.9 | WBRU | Cidra PR Waitham, Mass. Providence, RI Burlington, WI Biddeford ME Eillsville MS | 95.5 89.1 91.7 | WCPE Raleigh, NC 89.7 WCPL Pageland, SC 102.3 WCRA-FM Emngham, III. |
| | FM San Francisc C-FM Seattle WA Z Cody, WY A West Monroe, L | | WA | UG-FM Augusta, UN Kawaunee W | Ga. 92.7 | | | 102.3 | WCRD Righton Ind |
| KYE | West Monroe, L Z Salina, KS M Bartlesville, Ok | .a. 98.3 93.7 | WA | UR Aurora, III. | gs, MI 90.9 | WBST WBT- | Muncie, Ind. FM Charlotte, N.G. -FM Linton, Ind | c. | WCRF Cleveland, OH 103.3 WCRH Williamsport, MD 90.5 WCRM-FM Clare MI 95.3 |
| E KYK | R.FM PORT ARTINU | r. IA 30.0 | W.A | VA-FM Artingtor | 1. Va. | WBTH | -FM Carrotton, | i: 93.5 Ga. 92.i | WCRS-FM Greenwood, SC 96.7 |
| | X Longview, TX T-FM Missoula, I S Santa Ana, Cal. | | WA | VK Waverly, NY VV Tampa, FL WA-FM Milwauk | 100.7 tee, Wis. | WBU | Buffalo, N.Y. (Columbus, O. Boston, MA -FM Butler, P. | 96.3 90.9 | WCRY-FM Macon GA 107.9 WCSB Cleveland, OH 89.3 WCSE Asheboro NC 92.3 WCSG Grand Rapids, MI 91.3 |
| KYN | D-FM Pasadena O-FM Fresno, C R-FM Blythe, CA | TX 92.0 | WA | LVR Waverly, NY LVV Tampa, FL LWA-FM Milwauk LWK-FM Kendall LWR-FM Bowling LWW Murray, Ky LWZ-FM Zarepha | ville, Ind. Green, O. | I WBW | -FM Butler, PA Berea, OH Bedenton, NC | A 97.7 88.3 100.1 | WCSI-FM Columbus, Inu. |
| | T Sterling, CO M-FM Mankato. M S-FM Missoula M | 96.7 | WA | WZ-FM Zarephai XO Kenosha, WI: | th, N.J. | I WEY | Raldwineville. | NY 90.5 | WCSM-FM Celina, O. WCSQ Central Square, NY 89.3 WCSR-FM Hillsdale, Mich. 92.1 |
| ■ KYT | N Grand Forks N | U 99./ | WA | XO Kenosha, WI: XU-FM Georgeto XY-Ft, Lauderda XYD-FM Ozark A | wn KY 103.1 ile, Fla. 105.9 | WBY | Boyertown, Pa. | . 98.5 | WCSS-FM Amsterdam, NY 97.7 WCST-FM Berkley Springs, |
| KYX KYY | Y, San Diego CA S Kansas City, I M-FM Cape Girar | MO 102.1 deau, Mo. | WA | AYD-FM Ozark A AYK-FM Lehigh A AYL Minneapolis- | cres, FL 107.1 St. Paul. | WBY | Q. Hendersonville J. New Orleans, 1 FM Boston, Mass | TN 92.1 La. 95.7 | W.Va. WCSU-FM Wilberforce. 0. WCSV-FM Crossville, Tenn. 99.3 WCTL Union City PA 106.3 |
| KZA | G Dallas TX | 90.1 | 1 7 | Minn. AYV Atlantle Cit YZ-FM Waynesh | | W BZ | FM Boston, Mass | NY 107.1 | WCIM-PM ERION, UNIO 84.5 |
| E KZA | M-FM Bellevue, \P Sacramento, Cal L-FM Eugene, Or | WA 92.5 | 1 W | AZI Morristown i | M 80.0 | WBZI | FM Boston, Mass -FM Glens Falls F Richmond, KY Xenia, O. A Kalamazoo MI C Anderson, S.C. | 89.9 | WCTO Brentwood, N.Y. 94.3 WCTS-FM Minneapolis-St. Paul. |
| M K7F | N Seaside CA M Corpus Christi, N-FM Bakersfield, | 107.1 | I W | AZY-FM Lafayett BAB-FM Babylon BAD Leland MS | 94.3 | WCA | C Anderson, S.C. K Catlettsburg K L-FM Northfield, | Y 92.8 | WCTT-FM Corbin, Ky. WCTX Palmyra, Pa. 92.1 |
| KZII | N-FM Bakersfield, | Calif. 107.9 | I_ WI | BAG-FM Burlings | un-Graffalli. | 1 #08 | | , | TIONS WORLD/Fall-Winter 1 |

| 1 | , O.s | FINISTATIONS | Y CALL LETTERS |
|---|---|--|---|
| Call Location MHz | Call Location MHz | Call Location MHz | Call Location MHz |
| WCTY Norwich, CT 97.7 WCUE-FM Akron, O. WCUF Akron, Ohio | WEDA-FM Grove City, Pa. WEDM Indianapolis, Ind. WEDR-FM Miami, Fla. WEEC Salpadale | WFMA Rocky Mount, N.C. WFMB Springfield, III. WFMD-FM Frederisk, Md. | WGTH Richlands, VA 105.5 WGTD Kenosha, WI 91.1 |
| WCUP Tifton, GA 100.8 | WEEC Springfield, D. WEEE Taylorville, IL 92.7 WEEL-FM Boston, Mass. | | WGTE-FM Toledo, OH 91.3 WGTS-FM Takoma Park, Md. WGUC Cincinnati, Ohio |
| WCVM Middlebury, VT 100.9 | WEEL PORT CHARLOTTE, PL 100.1 | WFMI-FM Montgomery AL 98.9 | WGUD Pascagoula, MS 106.3 WGUL-FM New Port Richey, Fia, |
| WCVO Gahanna OH 104,9 WCVT Towson, MD 89,7 WCWL Stockbridge, MA 91,3 | WEER-FM Pittsburgh, Pa. WEER-FM Warrenton, Va. | WEMO Lebanon, Tenn. 919 | WGUS-FM Augusta, Ga, WGVE Gary, Ind. |
| WCWL Stockbridge, MA 91.3 WCWM Williamaburg, Va. WCWP Brookville, N.Y. WCWS Wooster, O. | WEFM Chicago, IL. 99.5 | WFMQ Lebanon TN 88.7 | WGVL Galnesville FL 105.5 WGVO Greenville, OH 91.7 WGWG Boiling Springs, |
| WCWT-FM Centerville, Ohio 89.5 WCYC Chicago, III. 68.7 | | WFMT Chicago, III. WFMU East Orange, N.J. WFMV-FM Blairatown NI 1062 | WGXM Dayton OH 88.3 |
| WDAC Lancaster, Pa. WDAI Chieago, III. 947 | WEIV Ithaca, N.Y. WEIZ Phenix City, AL 100.1 WEXU-FM Richmond, Ky. 88.9 WEXZ-FM Monroe, Wis. | WFMW-FM Madisonville, Ky. WFMX Statesville, N.C. WFMZ Allentown, Pa. WFNE Forsyth GA. 97.1 | WGYL Vero Beach, Fia. 93.5 WHAD Delafield, Wis. WHAI-FM Greenfield, Mass. |
| WDAL-FM Meridian, Miss. 101.3 WDAO Dayton, OH 107.7 WDAR-FM Darlington, S.C. | WELD EM Tunelo Miss | WFNE Forsyth GA 97.1 WFNM Lancaster PA 88.7 | WHAV-FM Haverhill, Mass. WHAW-FM Wexton WV 102.3 WHAY Aberdeen, M8 105.5 |
| WDAV Davidson NC 90.5 | WELL-FM Marshall, MI 104.9 | WFNM Laneaster PA 88.7 WFNM Racine, WIs. WFOB-FM Fostoria, Ohio WFOG Suffolk-Norfolk, VA 92.9 | WHBB-FM Selma, Ala. WHBC-FM Canton, Ohlo WHBF-FM Rock Island III |
| WDAY-FM Fargo, N.D. WDBA Dubois, PA 107.3 WDBI-FM Tawas City MI 101.7 WDBI-FM Roanoke, Va. WDBL-FM Springfield, Tenn. WDBM Medina. O. | WELR-FM Rasiey, S.C. | WFON Fond du Lac, Wis. WFOS Chesapeake, Va. WFOX Galasville Ga 97 1 | . WHBM-FM Xenia, Ohio |
| WDBJ-FM Roanoke, Va. WDBL-FM Springfield, Tenn. WDBM Medina. O. | WEMD-FM Easton, MD 96.7 | WFPG-FM St. Augustine, Fla. WFPG-FM Atlantic City, N.J. | WHCE-FM Orangeburg SC 103.9 WHCG Metter, GA 104.9 WHCJ Savannah, GA 88.5 WHCL-FM Clinton, NY 88.7 |
| WDBM Medina, O. WDBO-FM Orlando, Fia. WDBQ-FM Oubuque, Iowa WDBR Springfield IL 103,7 | WEMO East Meline, IL 101.3 | WFPK Louisville, Ky. WFPL Louisville, Ky, | WHCN Hartford, Conn. |
| WDBS Durham, NC 107.1 1 WDCB Glen Ellyn, IL 90.9 | WENY-FM EIMIRA, N.Y. | WFPL Louisville, Ky. WFPL Louisville, Ky. WFPR-FM Hammond LA WFRB-FM Frostburg, Md. WFRD Hanover, NH 99.3 | WHDG Havre De Grace MD 103.7 WHEB-FM Portsmouth, NH 100.3 WHEL Time OH |
| WDCR-FM Hanover, NH 99.3 | WEOL-FM Elyria, Ohio WEOS-FM Geneva, N.Y. 89.7 WEPM-FM Martinsburg, W.Va. | WFRI Auburn AL '97.7 | WHEN-FM Syraeuse, N.Y. WHER Hattiesburg, MS 103.7 |
| WDCV-FM Carlisle PA 88.3 | WEPR Greenville SC 90.1 WEPS Elgin, III. WEQR Goldsboro, N.C. | WFRX-FM W. Frankfurt IL 97.7 | WHFB-FM Benton Harbor, MI |
| WDDC Chicago, L 89.3 WDDD Marion, III, 107.1 | WERC-FM Birmingham AL 106.9 | | WHFC Bel Air MD 88.1 WHFD Archbold, OH 95.5 WHFH Flossmoor, III. |
| WDEF-FM Chattanooga, Tenn. 92.3 WDEA-FM Ellsworth, Me. | WERH-FM Hamilton AL 92.1 WERI-FM Westerly. RI WERL-FM Eagle River, WI 94.3 WERM Wapakoneta. Ohio | WFSI Annapolis MD 107.9 WFSI-FM Caribou, Maine WFSU-FM Tallahassee, Fla. WFIA Fulton, MS 101.7 | WHFI Jackson, MI 94.1 WHFL Winter Haven, FL 97.5 WHFM Rochester, N.Y. |
| WDEB-PM Jamestown, Tenn. | WERN Madison, WI 88.7 | WFTG-FM London, Ky. 103.9 WFTM-FM Maysville, Ky. WFTW-FM Fort Walton Beach, | WHFS Bethesda, Md. WHGC Bennington, VT 94.3 |
| WDEN-FM Macon, Ga. 105.3 | WERT-FM Van Wert, Ohlo WESC-FM Greenville, S.C. WESN Bloomington IL 88.1 | FL 99.3 WFUL-FM\Fulton KY 99.7 WFUR-FM Grand Rapids, Mich. | WHHO-FM Hornell N V 1053 |
| WDEZ Wausau WI 101.9 WDFP Battle Creek MI 05.2 | WESO-FM Southbridge, Mass. | WFUZ Deala FL 93.7 | WHHR Hilton Head SC 106.3 WHHS Havertown, Pa. WHHY-FM Mongomery AL 101.9 |
| WDHA-FM Down N I 88.3 | WESP-FM Cambridge, MD 106.3 WESR-FM Tasley, Va. 103.3 WESS East Stroudsberg, PA 90.3 WEST-FM Easton, Pa. | WFVA-FM Fredericksburg, Va. WFVH Arlington Heights, IL 88.3 WFWA Sullivan, IL 106.3 WFYC-FM Alma, Mich. WFYN-FM Key West, Fla. | WHIN-FM Gallatin TX 104.5 |
| WOHK Wilmington OU 100 a | WESU Middletown, Conn. 88.1 WETA-FM Washington, D.C. | | WHIR-FM Danville, Ky. 107.1 WHIZ-FM Zanesville, Ohio |
| WDHP Presque Isle ME 96.9 WDHS Gaston, Ind. 89.9 WDIF Marion, OH 94.3 | WETL South Bend, Ind. WETN Wheaton, III, 88,1 | WGAL-FM Lancaster, Pa. WGAN-FM Portland, Me. WGAO Franklin, MA 91.3 | WHKC Henderson, KY 103,1 |
| WDIX-FM Orangeburg, S.C. WDIZ Orlando, Fla. WDJC Birmingham AL 93.7 | WETS Johnson City TN 89,5 WCWC-FM Ripon, WI 95,9 WEVC Evansville, ind. | WGAR-FM Cleveland, Ohlo WGAT-FM Gate City, Va. 104.9 WGAY-FM Washington DC 99.5 | WHKK Erlanger, Ky. 100.9 WHKY-FM Hickory, N. C. WHLA Holmen, Wis. |
| WDJF Westport, CT 107.9 WDJK Atlanta, Ga. WDJR Olil City, Pa. | WEVD-FM New York, N.Y. WEVL Memphis, TN 90.3 WEVR-FM River Falls, Wis. 106.3 | WGBL-FM Columbus, Ga. WGBL-FM Cambridge, Mass. | WHLD-FM Niagara Falls, N.Y. WHLM-FM Bloomsburg, Pa. WHLQ Canton OH 106.9 |
| WDKN-FM Dickson, Tenn, | WEXP Gadsden, AL 91.5 | WGBM Viroqua, WI 102.3 WGBP-FM Green Bay, WI 90.1 | WHLT-FM Huntington, Ind. WHLY Leesburg, FL 106.7 WHMA-FM Anniston AL 100.5 |
| WDLA-rm Walton NY 92.1 WDLB-FM Marshfield Wie | WEZG Charlotte NC 104.7 WEZF Burlington VT 92.0 | WGCB-FM Red Lion, Pa. WGCI Chicago, IL 107.5 | WHME South Bend, Ind. WHMH-FM Sauk Rapids, MN 101.7 |
| WDMB-FM Statesville, N.C. | WEZG, N. Syraeuse NY 100.9 WEZI Memphis TN 105.9 WEZK Knoxville, Tenn. | WGCI Chicago, IL 107.5 WGCL Cleveland, Ohio 98.5 WGCR-FM Wellsboro, Pa. 97.7 WGCS Goshen, Ind. | WHMP-FM Northampton, MA 99.3 WHMQ Findlay, OH 100.5 |
| WDMT-FM Doageville, Wis, 107.1 | WEZN Bridgeport CT 99.9 WEZN Rochester NV 1012 | WGEA-FM Geneva AL 93.5 WGEM-FM Quincy III (a) | WHNR McMinnville, Tenn. 103.9 WHOD-FM Jackson AL 104.9 |
| WDNA Miami, FL 88.9 WDNA Dover NH 97.5 WDNJ Daytona Beach FL 94.5 | WEXP Gadsden, AL 91.5 WEZH Manassas, Va. WEZV Bethiehem PA 95.1 | WGET-FM Bay City, Mich. 102.5 WGET-FM Gettysburg, Pa. WGFV Beaver Falls Pa. | WHOK-FM Lancaster, Ohio WHOM Mount Washington, NH |
| WDNS Bowling Green KY 98.3 WDNX Olive HIII TN 89.1 WDOC-FM Prestonsburg, Ky. WDOD-FM Chattanooga, Tenn. | WEZW Wauwatosa, Wis. 103.7 WEZX Scranton, PA 107.1 WEZY-FM Cocoa, FL | WGFM Scheneetady, N. Y. WGFS Greensboro, N. C. 90.7 WGGC Glasgow, Ky. | WHOO-FM Orlando, Fla. |
| WDOK Cleveland 0 | WEAL Clanton AL 97.7 | WGGN Castalia, OH 977 | WHOV Hampton Va |
| WDOM Providence, R.I. WDOR-FM Sturgeon Bay, Wis. | WFAC Columbus, 0H 91.5 WFAH-FM Alliance, Ohlo WFAM Jacksonville FL 91.1 | WGGO Buford, Ga. 102.5 WGGR Duluth, Minn. 105.1 WGH-FM Newport News, Va. WGHN-FM Grand Haven, Mich. | WHP-FM Harrisburg, Pa. |
| WDPS Dayton, OH 90.1 WDQN-FM Du Quoin, III. 95.9 WDRC-FM Hartford, Conn. | WFAN-FM Washington, D.C. WFAU-FM Augusta, Maine WFAW-FM Ft. Atkinson, Wis. | WGHS Glan Filter III 92.1 | WHPE-FM High Point, N.C. WHPH Hanover, N.J. WHPK-FM Chicago, III. |
| | WFBC-FM Greenville, S.C. | WGIL-FM Galesburg, III. WGIR-FM Manchester NH 101.1 WGLB-FM Port Washington, Wis. | WHPR Highland Park, MI 88.1 WHRB-FM Cambridge, Mass. WHRL Albany, N.Y. |
| WDRQ Detroit, Mich. 93.1 WDRU Drew, Miss. 95.3 WDSC-FM Dillon, S.C. WDSD Dover, Dela. 94.7 | WFBQ indianapolis IN 94,7 WFC1 Franklin. Ind. | WGLC-FM Mendota, III. WGLD-FM High Point, NC 100, 3 WGLD Ft. Lauderdale FL 106.7 WGLS-FM Glassboro, N. J. | WHRB-FM Cambridge, Mass. WHRL Albany, N.Y. WHRM Wausau, Wls. WHRS Boynton Beach, Fla. 91.7 WHRW Bingnamton, N.Y. WHRY Providence KY. 97.7 |
| WDSO Chesterton, IN 89.1 WDTH Duluth, Minn, 103.3 WDTR Detroit, Mich. | WFCJ Mlamisburg, OH 93.7 | WGLS-FM Glassboro, N. J. WGLT Normal, IL 89,1 WGLY Goulds, FL 98.3 | WHSA Brule, Wis. 89.9 WHSB Alpena, Mich. |
| WDUB Granville, Ohio WDUK Havanna, III. 99,3 WDUQ Pittsburgh, Pa. | WFDD-FM Winston-Salem, N.C. WFDR-FM Manchester, Ga. | WGMB Georgetown, SC 97.7 WGMC Greece NY 90.1 | WHSD Hinsdale, III. 88.5 WHSH Albany NY 106.5 WHSN Bangor, ME 89.3 WHSR-FM Winchester, Mass, 91.9 |
| WDUQ Pittsburgh, Pa. WDUV Bradenton FL WDUX-FM Waupaca, Wis. WDUZ-FM Green Bay, Wis. | WFDT Columbia City, Ind. 106.3 | WGMR Tyrone, PA 101.1 WGMS-FM Washington, D.C. WGMW Riviera Beach, Fla. 94.3 | WHSR-FM Winchester, Mass, 91.9 WHSS Hamilton, OH 89.5 WHSY-FM Hattiesburg, Miss. |
| WDVE Pittsburgh, Pa. 102.5 WDVL-FM Vineland, N.J. 92.1 | WFFF-FM Columbia, Miss. WFFM Muskegon, Mish. | WGNZ Flint, MI 107.9 WGNA Albany, NY 107.7 WGNB St. Petersburg, Fla. WGNC-FM Gastonia, N.C. | WHTB Talladega AL 92.7 WHTC-FM Holland, Mich. WHTG-FM Eatontown, N.J., 106.3 |
| | WFFV Front Royal VA 99.3 WFGH Fort Gay, WV 90.7 WFHC-FM Henderson, Tenn. WFIA-FM Louisville KY 103.9 | | WHTT Moline, IL 96.9 WHUB-FM Cookeville, Tenn. WHUC-FM Hudson, N.Y. WHUD Peekskill NY 100.7 |
| WDWN Auburn NY 88.9 WDWS-FM Champaign, III. WDXE-FM Lawrenceburg, Tenn. WDXL-FM Lexington, Tenn. | WFIG Sumter, S.C. | WGOH-FM Grayson, Ky. WGOL Lynchburg, VA 98.3 WGOS-FM Miami, Fla. WGOT Newton, MS 108.3 | |
| WDXL-FM Lewington, Tenn. WDXL-FM Lexington, Tenn. WDYL Chester, Va. WDYN Chattanooga, Tenn. 89.7 WDZQ Decatur, 1L 95.1 | WFGM Fairmont, WV 97.9 WFHG-FM Bristol TN 06.0 | WGOV-FM Valdosta, Ga, WGPA-FM Bethlehem, Pa, WGPC-FM Albany, Ga, | WHUR Washington DC 96.3 WHUS-FM Storrs, Conn. WHWB-FM Rutland, Vt. 98.1 |
| WEAA Baltimore, MD 88.9 | WFIU Bloomington, Ind. | WGPR Detroit, Mich. 107.5 WGPS Greensboro, N.C. WGRD-FM Grand Rapids, Mich. | WHWE Howe, Ind. 89.7 WHWL Marguette, MI 95.7 |
| WEAS-FM Savannah, Ga. WEAT-FM West Palm Beash, Fla. WEAU-FM Eau Claire, Wis. WEAV-FM Plattsburgh, N.Y. | WFIZ Conneaul, O. WFJA Sanford, NC WFLA-FM Tampa, Fla. WFLC Connealeup NV | WGRE Greencastle, Lnd | WHYD-FM Columbus, Ga. 107.3 WHYL-FM Carlisie, Pa. WHYN-FM Springfield, Mass. WHYP-FM North East, Pa. 100.9 |
| WEBN Cincinnati OH 102.7 | WFLC Canandalgua, NY 93.5 WFLM Crown Pt. IN 103.9 WFLN-FM Philadelphia, Pa. | WGRF, Pleasantville NJ 99.3 WGRG-FM Pittsfield MA 95.9 WGRN Greenville, III. WGRP-FM Greenville, Pa. | WHIS-PM Hattlesburg, Miss. |
| WECI. Richmond, Ind. | WFLR-FM Dundee, N.Y. 95.9 WFLS-FM Fredericksburg, Va. | WUKU BUWAIA NY DRO I | WIAA Interlochen, Mich. 88.3 WIAB Key West FL 95.5 WIAC-FM San Juan, P.R. |
| WECL Elkhorn City, KY 103.1 WECM Cigremont NH 106.1 WECQ Geneva, NY 101.7 | WFLT-FM Franklin, Tenn. WFLW-FM Monticello, Kv. | WGSU Genesco, N.Y. WGSY Peru, III. WGTB-FM Washington D.C. | WIAL Eau Claire, Wis. |
| WECW Elmira, NY 88,1 | WFLT ITOY, N.T. | WGTC Bloomington, IN 92.3 | WIAN (ndianapolis, IN 90.1 WIBA-FM Madison, WI 101,5 |

| U.S. FM STATION | | Cull Josephine MHz 1 | Call Location MHz |
|--|--|---|--|
| Call Location MHz | Call Location MHz | Call Location MHz | |
| WIBF-FM Jenkintown, Pa. WIBG-FM Philadelphia, Pa. | WJJM-FM Lewisburg, Tenn, 94.3 WJJR Mifflinburg, PA 98.3 WJJW North Adams MA 89.5 | WKRG-FM Mobile AL 99.9 | WLRW Champaign, III. WLSD-FM Big Stone Gap VA 93.5 WLSE-FM Wallace NC 94.8 |
| WIBI Carlinville, IL WIRM-FM Jackson, Mich. | WJJR Mifflinburg, PA 98.3 WJJW North Adams MA 89.5 WJKL Elgin IL 94.8 | WKRQ Cincinnati OH 101.9 WKRT-FM Cortland, NY 99.9 WKRV Vandalla, IL 107.1 | WISR Lima. Ohio 104.9 |
| WIBO Waverly, Onto 100.9 | WJKL Elgin IL 94.8 WJLC-FM South Boston VA 97.5 WJLE-FM Smithville, Tenn. 101.7 | WKRV Vandaila, IL 107.1 WKRX Roxboro, NC 96.7 WKSA-FM Isabela, PR 101.5 | WLST Marinette, WI 95.1 WLSU La Crosse, Wis. 88.9 |
| WIBS Charlotte Amaile, VI 97.9 | | WKSI Eidorado, IL 102.3 WKSI Mobile AL 94.9 | WLTA Atlanta, GA 99.7 |
| WILB Ithaca, N. T. | WJIM Salem, VA as 193.5 WJIM Salem, VA as 194.7 WJLN Birmingham AL 194.7 WJLN Moyoek, NC 92.1 WJMA Orange VA 96.1 WJMC-FM Rice Lake, Wis. 94.7 | WKSI Greencastic- | WLTI Lowell, Mass. |
| WICO-FM Salisbury, Md. 94.3 | | Waynesboro PA WKSS Hartford-Meriden, CT 95.7 WKSU-FM Kent, Ohio | WLTL La Grange, III. 88.1 WLTR Columbia. SC 91.3 WLUR Lexington, Va. WLUV-FM Loves Park, III. |
| WIDD-FM Elizabethton, TN 99.3 WIDE-FM Biddeford ME 94.3 | WIMF Smithfield, RI 91.5 | | WLUV-FM Loves Park, 111. WLVC-FM Chleago, 111. 88.3 |
| | WJMJ Hartford CN 88.9 WJML-FM Petoskey, Mieh. 98.9 WJMM Versailles KY 100.9 WJMT-FM Merrill WI 93.5 | WKTI Milwaukee, WI 94.5 | WLVE Baraboo, W18. 94.9 |
| WIFE-FM Indianapolis, IN 107.9 WIFE-FM Auburn, Ind. WIFI Philadelphia, Pa. WIFN Franklin, Ind. | | WKTL Struthers, OH 90.7 | WLVL Louisville, Ky. WLVR-FM Bethiehem PA 91.3 WLVU Erle, PA 99.9 |
| WIFN Franklin, Ind. WIFO-FM Jesup, GA 105.5 WIGL Miami, FL 107.5 | WJNJ-FM Atlantic Beach, Pla. | WKTM Charleston, 80 102.5 | WLVV Fairfield, OH 94.9 WLVV Fimira, NY 94.3 |
| WIGL Miaml, FL 107.5 WIGM-FM Medford, Wis. 99.3 WIGS-FM Gouverneur, NY 92.7 WINN Normal IL 96.7 | WINL-FM Johnstown PA 96.5 WINO-FM Paim Beach FL 97.9 WINR Iron Mt. MI 103.9 | WKTZ-FM Jacksonville, Fla. | WLXN Lexington, N.C. 94.1 WLXR La Crosse, W1 104.9 WLXR Miami, Fla. 101.5 |
| WIMN Normal IL 96.7 WIMS Middletown. Conn. WIKA Centerville, TN 96.7 WIKI-FM Chester. Va. | WINS Yazoo City, MS 92.1 | WKUZ Wabash, Ind. 95.9 | WLYK Milford- |
| - WIKY - FM EVAUSAIIIE. III. | WIOI Picavune MS 106.3 | WKVM-FM San Juan. PR 105.7 WKVO-FM Havelock, NC 104.9 WKVT-FM Brattleboro, VT 92.7 | WLYN-FM Lynn, Mass. 101.7 WLYT Cleveland Heights OH 92.3 WLYX Memphis TN 89.3 |
| WILLEM St. Louis, MO 92.3 | WIDA-FM Washington, PA 95.3 | WKWI Kilmarnock, VA 101.7 WKWK-FM Wheeling, W.Va. | WLYX Memphis TN 89.3 WMAD-FM Middleton, Wis. 108.3 |
| WILE-FM Cambridge, 0: WILL-FM Urbana, III. WILO-FM Frankfort, Ind. | WJPD 1shpeming MI 92.3 WJR-FM Detroit, MI 96.3 WJRH Easton, PA 90.5 | | WMAD-FM Middleton, Wis. 106.3 WMAJ-FM State College, Pa., WMAL-FM Washington, |
| WILQ-FM Williamsport PA 105.1 WILS-FM Lansing, Mich. WIMA-FM Lima, Ohle | I WIRS FM ISMOSTOWN, N.Y. 103.1 | WKXL-FM Concord, NH 102.3 WKXR-FM Exeter NH 107.1 | D.C. WMAR-FM Baltimore, Md. 106.5 WMAS-FM Springfield, MA 94.7 |
| WINE FM Brockfield, Conn. 95.1 | WJRZ Ship Bottom, NJ 100.1 WJSC-FM Johnson VT 91.5 WJSK Lumberton, N. C. 102.3 WJSM-FM Martinsburg, PA 92.7 | W K V Jackson, Miss. 94.7 W K X L FM Gonord, N H 102.3 W K X F. FM Exeter N H 107.1 W K Y G. FM Parkersburg W V 103.1 W K Y N. FM San Juan. P. R. 99.9 W K Y O. FM Caro, M I 104.9 W K Y O. FM Caro, M I 93.9 | WMAZ-rM Macon, Ga. |
| WINK-FM Ft. Myers, Fla. WIOF Waterbury CT , 104.1 WIOG Saginaw, MI 108.3 | WISR Athens, GA 104.7 | WKYS Washington. DC 93.9 WKYW Frankfort, Ky. WKYX-FM Paducah. Ky. | WMBI-FM Chicago, III. |
| WIOK Hempstead, NY 98.3 | WITO-FM Bath, Me. 95.3 | WKZL Winston-Salem, NO 107.5 | WMBJ Danville, 1L 102.1 WMBL-FM Morehead City 95.9 |
| WIOT Toledo OH 104.7 WIOV Ephrata. Pa. 105.1 WIOZ Southern Pines NC 107.1 | WJVM Sterling, IL 94.3 WJVS-Cincinnati, OH 88.3 WJWF Columbus MS 103.1 | WKZM Sarasota FL 105.5 WKZN Zion, Ili. 96.9 WKZO Myrtie Beach SC 101.7 | NC WMBN-FM Petoskey, Mich. WMBW Chattanooga TN WMC-FM Memphis, Tenn. WMCB-FM Michigan City, Ind. |
| WIPE AMERICUS UN PR 91.3 | WIZZ Detroit, MI 105.9 | WLAC-FM Nashville, Tenn. WLAD-FM Danbury, Conn. | WMC-FM Memphis, Tenn. WMCB-FM Michigan City, Ind. |
| WIGH Ann Arbor, MI 102.9 | WKAJ-FM Saratuga Springs, 102.8 | WLAK Chicago IL 93.9 | WMCD Statesboro, Ga. WMCF Stuart, Fla. WMCO New Concord. Ohio |
| WIRB-FM Enterprise AL 96.9 WIRK-FM West Palm Beach, Fig. | WKAC.FM San Juan, P.R. WKAR.FM E. Lansing, Mich. WKAU-FM Kaukauna WI 104.9 WKAY-FM Glasqow, WS 100.9 WKBB West Point, shorp N C. | WLAN.FM Lancaster, Pa. WLAP.FM Lexington, Ky. WLAT.FM Conway, S.C. | WMCR-FM Onelda NY 106.3 WMCU Miami, Fla. 89.7 |
| WIRN Virginia MN 107.1 | WKAY-FM Glasgow, Ky. WKRR West Point, MS 100.9 | WLAV-FM Grand Rapids, Mich. WLAX Streator, IL 97.7 WLAY-FM Muscle Shoals AL | WMCX W. Long Branch, |
| WIRQ Rochester, NY 90.9 WIRX St. Joseph, MI 107.1 WISMFM Madison, Wis. | WKRI-FM Ridgway- | WIRCEM Munela Ind. 104.1 | WMDC-FM Hazelhurst, MS 100.9 WMDD-FM Fajardo, P.R. WMDE Greensboro, N.C. |
| WISM-FM Madison, Wis. WISN-FM Milwaukee, Wis. WISS-FM Berlin Wi 102.8 | Johnsonburg PA 94.3 WKBJ-FM Milan, Tenn. | WLBE-FM Leesburg, Fla. 106.7 WLBG-FM Laurens-Clinton, S.C. | WMDE Greensboro. N.C. WMDF Milton, WI 89.9 WMDH New Castle IN 102.5 |
| WISU Terre Haute, Ind. WISZ-FM Glen Burnle, Md. | | WIRL-FM Bowling Green, Ky. | WMDI McKean, Pa. 102.3 WMEA Portland ME 90.1 WMEB-FM Orono, Maine |
| WITA-FM San Juan, P.R. WITB-FM Salem, WV 91.1 WITF-FM Hershey, Pa. 89.5 | WKBV-FM Richmond, Ind. WKCB-FM Hindman, KY 107.1 WKCC Grayson, KY 91.5 WKCF Shell Lake WI 95.3 | WLBK-FM DeKalb, III. WLCA Godfrey, IL 89.9 WLCB-FM Hodgenville, | WMEF Ft. Wayne IN 97.3 WMEH-FM Bangor, Me. 90.9 |
| WITE Ironton OH 107.1 | WKCC Grayson, KY 91.5 WKCF Shell Lake WI 95.3 WKCI Hamden CT 101.3 WKCO Gambier OH 91.9 | WICC Lincoln, III. 88.9 | WMER Celina, Unio WMEV-FM Marion, Va. |
| WITR Henrietta, NY 89.7 WITT Tuscola, IL WITW Cadillae, MI 96.7 WITZ-FM Jasper, Ind. | WKCQ Saginaw M1 98.1 WKCR-FM New York, N.Y. | WLCH Lebanon TN 88.7 WLCK-FM Scottsville, Ky. | WMEZ Pensacola FL 94.1 WMFC.FM Monroeville AL 99.5 WMFD.FM Wilmington, N.C. |
| | WKCS Knovville, Jenn. | WLCL-FM Lowell IN 107.1 WLCR Lawrence Twp, NJ 89.7 WLCY-FM Tampa, Fla. 94.9 | 100.9 |
| WIUJ St. Thomas, VI 88.9 WIUP-FM Indiana, Pa. 91.3 | WKCU-FM Corinth, Miss. WKDA-FM Nashville, TN 103.3 WKDE-FM Altavista. VA 105.5 WKDJ Winchester, KY 100.1 | WLDM Detroit, Mich. 95.9 WLDS-FM Jacksonville, III. | WMFG-FM Hibbing, Minn. 106.3 WMFM Menomonie, Wi 92.1 WMFO Medford, Mass. 91.5 |
| WIUS Christiansted, V.I. WIUV Castleton, VT 91.3 WIVA-FM Aguadilla, P.R. 100.3 | WKDN-FM Camden, N.J. | WLDR Traverse City, Mich. 101.9 WLEC-FM Sandusky, Dhio | WMFP Ft. Lauderdale, Fla. WMFR-FM High Point, N.C. WMGH Vevav. IN 95.9 |
| WIVE Peoria, III. WIVE-FM Ashland, Va. | WKDU Philadelphia, PA 91.7 WKDZ-FM Cadiz KY 106.3 WKFF-FM Huntington, WV 100.5 | William Fil 95.9 | WMGK Philadelphia, PA 102.9 |
| WIVI-FM Cristiansted. | WKDQ Henderson, KY WKDU Philadelphia, PA 91.7 WKDZ-FM Cadlz KY 106.3 WKEE-FM Huntington, WV 100.5 WKEI-FM Kewanee, III. WKES St. Petersburg FL 101.5 | WLEU-FM Toccoa, Ga. WLEW-FM Bad Axe, Mich. WLFC Findlay DH 88.3 | WMGM Atlantic City, N.J. WMGW-FM Meadville, Pa. |
| St. Croix, V.I. WIVK-FM Knoxville, Tenn. WIVY-FM Jacksonville, Fla. WIXK-FM New Richmond, | WKEU-FM Griffin, Ga. | WLFQ Crawfordsville, IN 103.9 | WMGZ Montgomery, AL 103.3 WMHB Waterville ME 91.5 WMHC South Hadley, Mass. |
| WIXI-FM Newton, N. J. | WKEY.FM Covington, Va. WKEZ Norfolk, VA 95.7 WKFM Fulton NY 104.7 | WE HA Anderson IN 97.9 | WMHE Toledo, Ohio WMHK Columbia, SC 89.7 WMHR Syracuse, N.Y. 102.9 |
| WIXN-FM Dixon, III. WIXX Green Bay, W1 101.1 | WKFR.FM Battle Creek, MI 103.3 | WLIF Baltimore, Md. 101.9 WLIH-FM New London, Wis. WLIL-FM Lenoir City, Tenn. | WMMS MOTTISON IL 90.7 |
| WIYD-FM Palatka FL 99.9 WIYQ Ebensburg PA 99.1 WIZR-FM Johnstown, N.Y. 104.9 | WKGW Utica, NY 104.3 | WLIP FM Kenosha, Wis. 95.1 | WMHW-FM Mt. Pleasant MI 91.5 WMHT-FM Schnectady NY 89.1 |
| WIAC-FM Johnstown PA 95.5 WIAD Bainbridge, GA 97.3 | WKHR Pikeville KY 92.1 WKHS Worton MD 90.5 WKIR Jackson TN 104.1 | WLIU Lincoln Univ., PA 88.7 | WMIC-FM Sandusky, Mich. WMIK-FM Middlesboro, Ky. 92.7 WMIL Waukesha, WI 106.1 |
| WJAG-FM Norfolk, NE .106.7 WJAI Eaton, OH 92.9 | WKIT Hendersonville, NC 102.5 | WLIC Beattyville, KT: 102.5 | WMIT Black Mountain, N.C. WMIV S. Bristol, N.Y. WMIX-FM Mt. Vernon, III. |
| WJAT-FM Swainsboro, Ga. WJAX-FM Jacksonville, Fia. WIAZ Albany, Ga. | WKJR-FM Muskegon Hergitts 101.7 | WLJS-FM Jacksonville, AL 91.9 WLKE-FM Waupun, WI 99.3 WLKI Angola, IN 100.1 WLKI Mattoon, IL 90.3 WLKI MATTON BIVERS MI 95.9 | WMJC Birmingham, MI 94.7 |
| WJBD-FM Salem IL 100.1 WJBI Clarksdale MS 101.7 WJBK-FM Detroit, Mich. WJBL-FM Holland, Mich. | WKKD.FM Aurora, III. | WLKL Mattoon, IL 90.3 WLKM-FM Three Rivers, M1 95.9 WLKN-FM Lincoln, ME 99.3 | WMJW Nanticoke PA 92.1 |
| WJBK-FM Detroit, Mich. WJBM-FM Hersayvilla, III. | WWW Harrison M1 92.1 | | WMJX Miami, FL 96.3 WMKC Oshkosh, Wis. WMKY Morehead, Ky. 90.3 |
| WJBM-FM Jerseyville, III. WJBQ-FM Searborough, ME 106.3 | WKLA-FM Ludington, Mich. 108.3 WKLC-FM St. Albans, W.Va. WKLD Dneonta, AL 97.7 | WLLI-FM Joliet, IL 96.7 | WMLD Manati PR 96.9 WMLN-FM Milton, MA 91.5 WMLP-FM Milton, Pa. |
| WJBR Wilmington, Del. WJBW-FM Hampton, S.C. 103.1 WJCC Angola, Ind. 100.1 | WELL EM Clanton Ale | WLMC Okeechobee, Fia. WLMH Morrow, Ohlo 88.1 WLMJ Jackson OH 94.7 | WMLP-FM Milton, Pa. WMLS-FM Sylacauga AL 98.3 WMLW Milwaukee, Wis. |
| WJCC Angola, Ind. WJCD-FM Seymour, Ind. WJCK Rensselaer IN 97-7 | WKLH Montgomery AL 92.3 WKLK-FM Cloquet MN 100.9 WKLN Cullman AL 92.1 WKLP-FM Keyser WV 94.1 | | WMMC N. Andover MS 90.5 WMMG Bradenburg KY 93.5 |
| WJCL-FM Savannah GA 96.5 | WKLP-FM Keyser WV 99.9 WKLR Toledo, O. 99.9 WKLS Atlanta, Ga. WKME Gardiner, ME 104.3 | WLNH-FM Laconia. N.H. WLNK Columbus, MS 90.9 WLNO London, Ohio | WMMS Cleveland, D. 100.7 |
| WICT-FM Jacksonville, FL 89.9 WIDB-FM Thomasville AL 95.8 | WKMH.FM Dearborn, Mich. | WLNR Lansing IL 106.3 WLNX Linesin, IL 91.1 | WMNA-FM Gretna, Va. WMNB-FM North Adams, Mass. WMNI-FM Columbus, Ohio |
| WJEE Jacksonville, FL 107.3 WJEH-FM Galilpolls, OH 101.5 WJEJ Hagerstown MD 104.7 | WKMO Kokomo, Ind. WKMS-FM Murray, Ky. 91.3 | WLNC London, Olive WLNC London, Olive WLN Lansing IL 91.1 WLN Linesin, IL 91.1 WLDA-FAB Braddock, PA 96.9 WLOCA Munfordville, Ky. WLOL-FM La Porte, Ind. WLOL-FM Minneapolis, Minn. | WMNR Monroe CN 88.1 |
| WJEL Indianapolis, IN 89.1 WJER-FM Dover, DH 101.7 | WKMX Enterprise, AL 100.7 | | WMOD Washington, D.C. 98.7 WMOR-FM Morehead, Ky. 92.1 |
| WJFD-FM New Bedford, MA 97.3 WJFM Grand Rapids, Mich. | WKNC-FM Raieigh NC 88.1 WKNO-FM Memphis, TN 91.1 WKNS Kinston, NC 90.5 | WLOQ Winter Park, FL 103.1 | WMOT Murfreesboro, Tenn. 89.5 WMPG Gorham ME 91.1 WMPH Wilmington, Del. 91.7 |
| WJFR Jackson, M8 96.3 WJGA Jackson, GA 92.1 WJGS Houghton Lake, Mich. 98.5 | WKNT-FM Kent, OH 100.1 | WLOW-FM Alken SC 95.5 WLPO-FM La Saile, III. 96.1 | WMPI Scottshurg, Ind. |
| WJHD Pertsmouth RI WJHL-FM Johnson City, Tenn. | WKOC Kankakee, IL | WLQA Cincinnati OH 98.6 WLQR Toledo, Ohio 101.5 | WMPL-FM. Hancock, M1 93.5 WMPO-FM Middleport OH 92.1 WMPR Sumter. SC 88.1 |
| WJHR Miami, Fla. 99.5 | WKOG-FM Gordon, GA 107.1 WKOK-FM Sunbury, Pa. WKOM Columbla TN 101.7 WKOV-FM Wellston, GM 96.7 | WIRA Looknort IL 88.1 | WMPS-FM Memphis, Tenn. WMPT-FM South Williamsport, Pa. 99.3 |
| WJIG-FM Tulishoma, Tenn. WJIM-FM Lansing, Mish. WJIQ Pensasola, FL 100.7 | | WIRE Rehoboth Beach. DE 92.7 | WMQT ishpeming, MI 107.1 WMRA Harrisonburg, Va. 91.1 WMRF-FM Lewistown, Pa. |
| WIIT Albany Ga. | WKPS New Wilmington, PA 88.9 WKPT-FM Kingsport, TN 98.5 WKQD Henderson KY 92.5 | WLRH Huntsville, AL 89.3 WLRJ Roanoke VA 92.8 WLRN-FM Miami FL 91.3 | WMRI-FM Marion, Ind. |
| WJGF Romney WV 91.5 WJJD-FM Chicago, ili. | WKQQ Lexington, KY 98,1 | WLRQ Whitehall, Mi 95.3 WLRS Louisville, KY 102.3 | WMRN-FM Marion, Ohio WMRQ Brookhaven, MS 92.1 |
| WJJE Lafayette IN DI. | 4 n Mus-1 in Hard all mast ma | | ATIONS WORLD/Fall-Winter 1 |

| 1 Call to 0 | | | 0.5 | . LIVI | SIATIO | 42 B | Y CALL | LETTE | RS |
|--|-------------------|---|--------------------------|-------------------------------------|--|------------------------|--|---|---------------------------|
| | MHz Cal | | MHz | Call | Location | MHz | Call | Location | MHz |
| WMRT Marietta, OH WMRV Endicott, N.Y. WMRY E. St. Louis, III. | 109.9 1970 | FM Greeneville, Tenn. GM Beilefontaine, O. HS-FM Sheiby, N.C. | 98.3 | WPSR E | vansville, Ind. renton NJ ort Wayne, Ind. | 97.5 | WRFB Stor | ve, VT ada. PR | 101.7 |
| WMSB Mississippi State, MS WMSC Upper Montclair, | 89.1 WO | FM Ames, lowa | | WPINIA | CORNOKE KADINS. | 102.3 | WRFE Agu WRFG Atia WRFG FM WRFL Win | Richmond, VA | 91.9 |
| WMSG-FM Oakland, Md. | Wo | IO Evanston IL KA-FM Douglas, GA KI-FM Oak Ridge TN | 108.1 108.7 100.3 | WPTN-F WPTW-F WPUR-F | M Cookeville, Ten M Piqua, Ohio M Camden, SC | n. 94:3 | WRFM Nev | v York, NY hvilla TN | 92.5 (05.1 88.1 |
| | | KN GOIDSDOFO NG KU-FM Greensburg, Pa KZ-FM Alton III | 102.8 | WPUR A | merieus GA M Pulaski, Va. | 97.7 | | Alevander City, er Falls, Wi | 108.1 88.7 |
| WMSK-FM Morganfield, Ky. WMSP Harrisburg, Pa. WMSR-FM Manchester, Tenn WMST-FM Mt. Sterling, Ky. WMSU Hattlesburg MS WMT-FM Cedar Rapids, Ia. WMT- Stowe, VT | 105.5 WO | A-FM Caroffna, P.R. C Princess Anne, MD D-FM Marion, Va. | 107.7 | WPVA-F | umberland, MD M Petersburg VA t. George, S.C. | 102.9 95.3 95.9 | WRFY-FM WRGA-FM WRGI-FM | er Falls, WI Reading, PA Rome, GA Nanies, FI | 102.5 102.3 93.5 |
| WMT-FM Cedar Rapids, Ja. WMTF Stowe, VT WMTH Park Ridge, III. | 96.5 WOI | A Tailahassa Eta | | | | 95.1 97.9 | WRGT-FM WRHL-FM | Naples, FL Clarksburg WV Roshelle IL | 108.5 |
| WMTF Stowe, VT WMTH Park Ridge, III. WMTL-FM Leitchfield, Ky. WMTM-FM Moultrle, Ga. WMTS-FM Murfreesboro, Ten | , Wor | C Detroit, Mich. AP-FM Beliaire, Ohio | 104.3 98.7 | WQAB P WQAL CI WQAQ H | arieston SC ochester, NY hilippi, NH eveland, OH | 91.3 104.1 88.7 | WRHR Hen WRHS Park WRHY Star | nelander, Wi rietta, NY Forest, IL | 107.9 90.5 88.1 |
| WMIIP Overed Oble | WON | C Naperville, III IO-FM Syracuse, N.Y. IT Oneonta, NY | 103.1 | WQBE C | harieston, WV M Rensseiser NY | 97.5 103.9 | | view PA oit, Mich. ada, M8 Cape May, N.J. | 92.7 101.1 100.1 |
| WMUH Allentown, Pa. WMUK Kalamazoo, Mich. WMUL Huntington, W.Va. | WON | Y Oneonta, NY A Goulds, FL D-FM Grand Rapids, | 90.9 | WQDW H | ensselear NY (Inston, NC alfway, MD | 103.9 97.7 96.7 | WRJB Came | den. TN | 101.7 91.1 98.3 |
| WMUM Marathon, FL WMUN Munele, Ind. WMUU-FM Greenville, 8. C. | woo | F-FM Dothan AL B Oxford, Miss. | 105.7 99.7 | WQCR BI WQCY QI WQDR RI | ICIINBTON VI | 98.9 99.5 94.7 | WRIC-FM WRJH Bran WRJR Lewi | Mauston, WI | 92.1 97.7 |
| WMUZ Detroit, Mich. WMVA-FM Martinsville, Va. WMVB-FM Millville, N.J. WMVG-FM Milledgeville, Ga. | WOF | A-FM Oak Park, III. R Oak Park, MI A-FM Mayaguez, P.R. | 97.5 90.3 | WQDY-F | M Calais, ME | 92.7 89.3 | WRKC WILL | Kannapolis, NC (es-Barra, PA | 88.5 |
| | 98.7 WOR | K Barre, VT | 107.7 | WQEZ BI | rmingham AL Ckford IL | 103.7 96.5 100.9 | I WRKM.FM | Rockland, ME Carthage, TN ne, Wis. Cocoa Beach FL | 93.5 102.3 100.7 |
| WMXM Lake Forest IL WMYB-FM Myrtle Beach, Fia | 88.9 WOR | M·FM Savannah, Tenn O Corozal, P.R. T Madison, Wi | 92.5 89.7 | WOGL B | Tersonvilla IN | 93.5 95.7 | WRIBlong | Branch NI | . 104.1 103.5 107.1 |
| WMYS New Bedford MA | 96.1 WOR | W Port Huron MI X-FM Madison, Ind. H Oshkosh, WI | 91.9 | WOHLL | ve Oak FL ndalusia, AL wego NY | 98.1 98.1 | WRLC Will WRLM Taun | amsport, PA ' | 91.7 93.8 |
| WNAN Demopolis, AL WNAP Indianapolis, Ind. WNAS New Albany, Ind. | XX.Y I WUS | M Ocean Springs, Miss. S Ossining, NY U-FM Columbus, Ohio | 103.9 . 103.1 90.3 | | enice FL loxi, MS 1 Jacksonville, Fia | 101.7 92.1 93.7 | WRLS Hayw | 00d. Wis. | 108.3 92.1 106.9 |
| | 3.3 WOT | | 107.1 | WQLH W | est Point MS | 100.9 | WINDS WILL | Middiebury, VT Titusville, Fla. Morris, IL | 1047 |
| WNAU-FM Natchez, miss. WNAU-FM New Albany, MS II WNAV-FM Annapolis, Md. WNAZ-FM Nashville, Tenn. WNBD-FM Daytona Beach, Fil WNBI-FM Park Falls, WI | WOU WOU | T-FM Watertown, N. Y W-FM Nashua, N.H. B-FM Athens, Ohio R Utlea NY | 96.9 | WQLK RI | Wbury MA chmond IN | 88.7 96.1 | WRMU Allia | ince, Ohio | 94.3 91.1 89.1 |
| WNCB Burlington | 13.7 WOV | E Weich, W. Va. I Novi. MI | 89.5 105.8 | WULT FIG | łazamoo MI Prence AL | 91.3 108.5 107.3 | WRNO New WRNS Kings WRNW Mt. | Orlanne I A | 99.5 95.1 107.1 |
| WNCI Worthington-Columbus, (| 4.3 WUW | O Glasgow KY V Ft. Pierce, Fla. D Tallahassee, FL E Rossville, GA | 1.801 | WQLX Ga WQMC Ch WOMF Ba | ilon, OH ariottesville, VA | 102.3 95.3 | WROE Name | Guifport, MS | 107.1 94.3 |
| WNGY Springvale, Me, 9 | !· ₩6% | I NOTTOIK, VA. O Norway, M.E. | 105.5 102.9 92.7 | WQMR Ne | eensboro, N.C. w Brunswick NJ milton, Ohio | 98.3 | WROI Roches WROM FM I WROQ Charl WROR Bosto | | 92.1 97.7 95.1 |
| WNDN Kingston, N. Y. WNDU-FM South Rend and | ··· I WOY | R Oxford, Ohio E-FM Mayaquez, P.R. A Andover, Mass. B-FM Ponce, P.R. | ` | WOMU C | hatsworth, GA Iiana Pa | 99.3 103.1 | | | 98.5 95.5 95.1 |
| WNDY Crawfordsville, Ind. WNEC-FM Henniker, N.H. 9 WNES-FM Central City, KY 10 WNEW-FM New York, N.Y. | | | - 1 | WUDD You | cksburg, Miss. tchez, MS ungstown OH | 95.1 93.3 | WRPI Troy, WRPM-FM I WRPN-FM F | Albany, NY German, PR NY Popiarville, MS Ripon, W1 and, MA | 91.5 107.9 90.1 |
| WNEX-FM Macon, Ga. | WPA WPA WPA | D-FM Paducah, Ky. G-FM Ann Arbor, Mich. I-FM Lancaster, SC G-FM Panama City, Fl: | 107.1 | WOPO Har | inceton, MN | 88.5 106.3 100.7 | WRPS Rock! WRQN West WRQR Farm | and, MA brook, ME | 91.5 100.9 94.3 |
| WNGC Athens, Ga. 9 WNHS Portsmouth VA. 8 | 5.5 WPA | -FM Paterson, N.J. | 92.5 | WQRB Pit | ton PA tsfield, Mass. nstable, MA | 99.9 | WRR-FM Da WRRC River WRRG River | Illas, TX Grova, IL | 101.1 |
| Vt. | on, WPBI | - FM Bangor, ME Middletown OH | 92.9 105.9 | WURH WIS | sconsin Dells WI folk VA | 99.9 107.1 104.5 | WRRH Frani WRRK Mani WRRN Warre | tiin lakes Nii | 88.9 88.7 97.7 |
| WNIB Chicago, III. WNIC-FM Dearborn MI 10 WNIK-FM Arecibo, P.R. | 0.8 WPCF | Philadelphia, Pa. I Decatur GA I-FM Plymouth NH | 94.9 90.3 | WQRX Ben WQSB Alb | ertville. Ala. | 108.3 | WRKZ-FM CI | IINTON, NC | 92.3 107.1 96.9 |
| WNIS-FM Niles, Mich. 91 WNIS-FM Chicago, IL 10 WNIU-FM Dekalb III | 3.3 WPD | Pensacola, Fla. I Poughkeepsie NY I-FM Portage, Wis. I-FM Clarksburg, | 89.3 101.5 | WQSM Fay WQSR Sarr WQST Fore | on Springs, AL etteville, N.C. asota FL | 100.9 98.1 102.5 | WRSB Westo WRSE-FM EI WRSF Miami WRSH Rockin | n MA Imhurst, IL Isburg, OH | 88.3 88.7 89.7 |
| WNIC-FM Senatobia, Miss. 9(WNKO Newark OH > 10 WNLA-FM Indianala Miss 108 | V WPEA | Exeter NH Concord, N.C. | 104.9 90.5 | WQSU Self WQTC-FM | ngsgrove PA Two Rivers, Wis. | 88.9 | | | 95.9 |
| WNLK-FM Norwalk, CT 99 WNMB N. Myrtle Beach SC 100 WNMU-FM Marquette, MI 90 | .5 WPEL | -FM Louisville, GA | 97.9 92.1 | WQTI Duni WQTQ Har WQUD Mei | tford CT nobis. TN | 103.1 88.3 104.5 | WRSL-FM St WRST-FM OS WRSU-FM N | ihkosh Wi ew Brunswick | 90.3 89.1 |
| WNNO-FM Wisconsin Della, | .7 WPEZ | -FM Greensboro NC Pittsburgh PA | 98.7 94.5 | WQUH Def | Uricans LA Uniak Springs FL | 93.3 | WRSQ-FM G WRSV Rocky WRSW-FM V WRTC-FM H | anagas II | 104.9 92.1 107.3 |
| WNNS Louisville, KY 97 WNNT-FM Warsaw, Va. WNOB Cleveland, Ohio | WEER | Los Angeles, Cal. Winter Park, FL Panama City FL Terre Haute, Ind. | 88.9 107.9 102.7 | WQWK Sta WQWQ-FM | nson City, Tenn. Ite College, Pa. Muskegon, Mich. | 96.7 | WRTC-FM H WRTE Cahoki WRSV Skokie | artford, CT | 89.3 89.5 |
| WNOE-FM New Orleans, La. | WPFW WPGA | Washington, DC -FM Perry, GaFM Baldensburg, Md. | 89.3 | | k PA abethtown, Ky. | 105.7 108.3 | WRSW-FM W | arsaw, Ind. artford. Conn. | |
| WNOF St. Paul, Minn. WNOI Flora, IL 103 WNOK-FM High Point, N.C. | 9 I WPGM | -FM Danville Pa | 96.7 | WQXM Cles St. Peters WQXO Mur | arwater- | 97.9 | WRTI Philade WRTL-FM R WRTM Blount | antoul IL stown, Fla. | 90.1 95.3 |
| WNON Lehanon, Ind. WNOR-FM Norfolk, Va. WNPQ New Philadelphia, Ohio | WPGU WPGW | Roanoke Rapids NC Urbana, III. Portland IN | 90.1 | WQXQ Day | tona Beach, FL New York, N.Y. Baton Rouge, La. | 98.3 101.9 | WRTV Blount WRUC Schene WRUF-FM G | ectady, NY ainesville, Fla. | 102.3 90.9 |
| WNRC Dudley, MA 91 WNRE Circleville, D. 107 | WPIC- | Portland IN Warren, Mich. FM Sharon, Pa. Titusville, FL FM Pittsburgh, Pa. | 89.9 | ii di italim | or Leterapurg, L | 99.5 | WRUL Carmi, WRUM-FM R WRUR Roches WRUT Rutlar | | 97.3 98.3 88.5 |
| WNRE Circleville, 0. 107. WNRG-FM Grundy, Va. WNRR Bellevue OH 92. WNSD Circlinati OH 90. | ! Weiß | FM Providence R I | | WRAD-FM WRAG-FM | ghamton, NY Radford, Va. Carrollton, Ala. | 98.1 | WRIIW-EM C | gton, Vt. | 97.1 |
| WNSL-FM Laurel, Miss. WNTE Mansfield, Pa. 89. WNTH Winnette III | . WPKN | Bridgeport, Conn. | 89.5 104.9 107.3 | WRAK WII WRAL Rale | | 02.7 101.5 | WRVC Norfoll WRVF River WRVM Suring | Falls, Wis. | |
| WITH PLACEMENTS TOWN, M.J. | WPLC WPLM | planation Key, Fla. New York, N.Y. | 95.5 | WRAR-FM WRAS Atla WRAY-FM | Tappahannoek, Vanta, Ga. Princeton, Ind. on, Mass. | 88.5 | WRVF River WRVM Suring WRVO Oswego WRVP New Y WRVQ Richmo | , N.Y. | 89.9 |
| WNUB-FM Northfield, Vt. WNUF New Kensington PA 100. WNUR Evanston, IL 89. | WPLO. | FM Atlanta, Ga. New Haven, CT | 99.1 | WRBB Bost WRBJ-FM: WRBL-FM | on, Mass. St. Johns, Mich. Columbus, Ga. Warner Robins, G | 91.7 | WRVA-FM WRVII Nashvii | inc. | 94.5 |
| WNVA-FM Norton, Va. 106. WNWC Madison WI 102. | 5 WPME | FM Punxsutawney | 99.3 05.5 | WRBR Sout | N Bend, Ind. | a. 101.7 | WRWC S. Bell WRWR Port C WRXL Richmo | linton, Ohio | 02.1 |
| WNWR Canal Fulton, OH 90. WNWS New York, NY 97. WNWY-FM Norway, Me. 105, | . WPNE | Pascagoula, MS FM Chilton WI | 99.1 89.3 | WRRS Rait | imore, Md. | 03.9 | WRXL Richmo WRXX Centra WRYO Crysta WRYZ-FM July WSAR Mt. Co. | River, FL | 95.3 98.5 96.7 |
| WNTU Naples, FL 92 WNTQ Syracuse, NY WNUB-FM Northfield, Vt. WNUF New Kensington PA 100, WNUR Evanston, IL 606, WNWC-FM Norton, Va. 606, WNWC Madison WI 102, WNWR Canal Fulton, OH 97, WNWS-New York, NY 97, WNWY-FM Norway, Me. 605, WNYC-FM New York, N.Y. WNYE-FM New York, N.Y. WNYE-FM Canton, O. WNYU-FM Mew York NY WNYH-FM Canton, O. WNYU-FM Wew York NY WOAB Ozark AL | WPOB | Plainview NY | 00.1 88.5 93.1 | | | 93.5 06.3 | WSAB Mt. Cal WSAC-FM FM WSAE-Spring WSAI-FM CIN WSAI-FM GIN WSAU-FM WSAU-FM WSAU-FM WSAU-FM VIO WSAU-FM CIN WSAU-FM CIN WSBI-FM CIN WSBI-FM CIN WSBI-FM BIN WSBI-FM BIN | mei, III. Knox, Ky. Arbor, Mich. | |
| WNYN-PM Canton, O, WNYU-FM New York NY 89. WOAB Ozark AL 104. | WPOR- WPOS- | FM Portiand, Me. FM Portland, Me. FM Holland, O. FM Pottsville, Pa. | 03.1 | WRCM Jack | Sonville, N.C. | 100.0 | WSAL-FM CIN WSAL-FM Gro WSAL-FM Los | cinnati, OH ! ive City, Pa. i gansport, Ind. | 94.1 89.5 |
| WOAK Royal Dak, Mich. WOAP-FM Owosso, Mich. WOAY-FM Ook Hill W Va | WPOR. | FM Uniontown Pe | 0 3. 9 98.5 | WRCO-FM | Richland Center, V | VIs. 104.5 94.8 | WSAQ Port Hi WSAU-FM Wa WSB-FM Atlan | Jron, Mi Jo Iusau, Wis. Inta. Ga. | 07.1 |
| WOBM Toms River, N.J. | | FM Lincoin, N.J. FM Lincoin, III. FM Prairie du Chien, V | 00.1 Vis. | WRCS-FM / WRCT Pitts WRCV Mar | Ahoskie, N.C. burgh, PA | 99.3 88.3 92.1 | WSBA-FM YOU WSBF-FM Cle WSBI-FM Re- | k, Pa, meon, S.C. | 00.7 |
| WORR-FM Wanshess NC 95.5 | | Winter Park, Fla. | 98.5 | WRDN-FM | nu, o. Durand Wi | 04.9 89.5 | | | 88.3 |
| WOCH-FM North Vernon, Ind. WOCN-FM Miami Beach, Fig. | WPRS | FM Paris III | 05.1 | WRDR Egg WREI Quebi | Harbor, N.J. I radilias PR nta, Ga. Jenkins, KY | 95.9 04.9 98.3 | WSCC Someree WSCD-FM Dui WSCH Aurora, WSCI Charlest | lith, MN | 90.7 92.9 99.3 |
| WOCO Oconto, Wis. 107. WOCR Olivet, MI 89. | WPRT- | M Prestonburg, Ky. Paul Smith's NY & | 1.08 | WREM-FM WREO-FM WREZ Buffs | Zenrannis, Otilo | 94.3 | WSCT-FM Ber | keley Springs. W | 89.8 00.1 |
| MUNICATIONS WORLD/Fa | | | | WILL DUILS | | 94.5 | WSDH Sandwi | cn, MA S | 91.7 |

| U.S. FM STATION | | | Call Location MHz |
|--|--|---|---|
| Call Location MHz | Call Location MHz | Call Location MHz | Call Location MHz |
| WSDM Chicago, III. WSDP Plymouth, Mi 89.3 WSEA Georgetown, Del. 93.5 WSEC Williamston, NC 193.7 WSEF-FM Sensea Fails, N. Y. 99.3 WSEI Oiney, III. 92.9 WSEK Somerset, Ky. WSEL-FM Pontotos, Miss. WSEN-FM Baidwinsyllis, N.Y. WSEV-FM Sevierville, TN, 102.1 | WTBO-FM Cumberland, Md. WTBS Cambridge, Mass. WTCA-FM Plymouth, IN 94.3 WTCC Springfield, MA 90.7 WTCH-FM Shawano, WI 100.1 WTCM-FM Thaverse City, Mich. WTCO-FM Campbellsville, Ky. WTCQ Vidella, GA WTCV Shelbyville, TN 93.1 WTCW-FM Whitesburg, Ky. WTDL-FM Lake City, Fis. 94.3 WTDL-FM Lake City, Fis. 94.3 | WVCR Loudenville, N.Y. WVCS California PA 91.9 WVCY Milwaukee W1 107.7 WVEC-FM Hampton, Va. WVEL-FM Fayette AL 98.1 WVEM Springfield, 111. WVEM Springfield, 111. WVEN Franklin, Pa. 99.3 WVEP East Montpeller VT 88.3 WVEZ Louisville, KY 106.9 WVFM Lakeland, Fla. WVFV Dundes, 111. WVGR Grand Rapids, Mich. 104.1 WVGR Stateshoro, GA 91.3 | WWOS Paim Beach, Fla. WWPH Princeton Junction, NJ 90.3 WWPT Westport CN 90.3 WWPV-FM Colonbester VT 88.7 WWQC Quincy, IL WWRH Columbus, Ga. WWRJ Southampton, NY 95.3 WWRK Elberton, GA 92.1 WWRM Gaylord, 106.7 WWRN West Palm Beach, FL 92.1 WWSC-FM Glens Falls, N.Y WWSE Jamestown NY 93.3 WWSH Philadelphia, Pa. |
| WSEZ Winston-Salem, NC 93.1 WSFL Bridgeton, NC 108.5 WSFM Harrisburg, Pa. 99.3 WSGF-FM Savannah GA 95.5 WSGH-FM Winston-Salem NC 107.5 WSGM Staunton, Va. WSGO-FM Oswego NY WSGR-FM Port Huron, Mich. 91.3 | WTFM Lake Success, NY 103.5 WTGI Hammond, LA 103.3 WTGM Norfolk VA WTGN Lima. 0. WTGP Greenville, PA WTHI-FM Terre Haute, IN WTHI-FM Terre Haute, IN WTHI-FM Theorem, GA 101.7 | WVHC Hempstead. N.Y. WVHF-FM Clarksburg. WV 92.7 WVHI Evnnsville. Ind. WVHP-FM Highland Park NJ 90.3 WVIA-FM Seranton PA 89.9 WVIC-FM E. Lansing. Mich. | WWSM Bay Minette AL 193.6 WWSP Stevens Pt. Wi 89.9 WWSR St. Albans VT 102.3 WWST-FM Wooster, OH 104.5 |
| WSHA Raleigh, N.C. WSHC Shepherdstown, WV 88.7 WSHE Ft. Lauderdate FL 103.5 WSHG Georgetown SC 106.3 WSHH Pittsburgh PA 99.7 | WTIC-FM Hartford, Conn. WTIO Charleston, W. Va. WTIM Pineville KY WTJU Charlottesville, Va. WTKM-FM Hartford WI WTKY-FM Tompkinsville, Ky. 92.1 | WYIK Rock Island IL 91.1 WYIM-FM Coldwater, MS 95.3 WYIN-FM Hammondsport, NY 98.3 WYIP-FM Mount Kisso, N.Y. WYIS Frederiksted YI 106.7 WYIC Mt. Carmel IL WYIP-FM Owensboro, KY. | WWTV-FM Cadilyac, Mich. WWTV-FM Cadilyac, Mich. WWTV-FM Wheeling, W.Va. WWVR W. Terre Haute, Ind. WWWA Walpole, MA WWWB-FM Jasper AL WWWJ Johnstown, OH U3.1 WWWM Cleveland OH WWWS Saginaw, Mich. WWWW Detrolt, Mich. |
| WSML-FM Easton, MA 91.3 WSMN-FM Femont M1 100.1 WSMR Lake Ronkonkoma, N.Y. WSMS Sheboyan W1 91.7 WSMU Fairfield, CT 91.1 WSMV South Hill VA 105.5 WSMY-FM Shebyville, III. 104.9 WSID-FM Baltimore, Md. WSIE FM Baltimore, Md. WSIE FM Baltimore, Md. | WTLB-FM Utlea, NY WTLC Indianapolis, Ind. WTLN-FM Apopka, Fla. 95.3 WTMB-FM Tomah, Wis. WTME Manning SC 92.1 WTMI Miami, Fla. 93.1 WTMO Tishomingo, Miss, 88.9 WTNC-FM Thomasville, N.C. | WVKC-FM Galesburg, 11. WVKO-FM Columbus, 0H 94.7 ' WVKB-FM Poughkeepsie, NY WVLC-FM Orleans, MA 104.7 WVLL Montleello, IL 105.5 | WWWY Columbus, IN 104.9 WWWZ Summerville, SC 93.5 WWXL-FM Manchester. Ky. WWYD White Plains, NY 103.9 WWYN-FM Erie, Pa. WWYZ Waterbury CT 92.5 WYAC Reading. Pa. |
| WSIE Edwardsville, III. 88.7 WSIF Wilkesboro. NC 90.1 WSIM Red Bank TN 94.3 WSIP-FM Paintsville, Ky. WSIU Carbondale, III. WSIV-FM Pekin, III. WSIX-FM Nashville. Tenn. WSIC-FM Magee, Miss. WSJG Hallandale, Fila. WSKB Westfield, MA 91.5 | WTNT-FM lallanassee, ria. WTOC-FM Savannah, Ga. WTOD-FM Toledo, Ohio WTOF Canton, OH WTOS-FM Skowhegan ME 107.1 WTOT-FM Marlanna, Fla. WTPA-FM Harrisburg, Pa. | WYLR Sauk City. Wis. WYLS Jeckson. MS 91.5 WYLMG FM Cochron. Ga. 96.7 WYMH FM Mars Hill. NC WYMO Monroe, Mich. WYMS Chattanooga, Tenn. 88.9 WYMY-FM Scranton. PA 91.5 WYMW-FM Scranton. PA 91.5 WYMW-FM Scranton PA 91.5 WYMW-FM Scranton PA 91.5 WYMA-FM Tuscumbla AL 100.3 | WXAX Elkhart, Ind. WXBA Brentwood, NY 88.5 WXBM-FM Milton, Fla. WXCI Danbury CT 91.7 WXDR Newark, DE 91.3 WXEN Cleveland, O. 106.5 WXEZ Sylvania OH WXEX Sylvania OH WXGM Elmwood Park, IL 105.9 WXGM Milledgeville, GA 88.9 |
| WSKB Westfield, MA 91.5 WSKG-FM Binghamton, NY 89.3 WSKP-FM Sebring FL 105.5 WSKV Stanton, KY 104.9 WSLE Peterborough NH WSLI-FM Jackson, Miss. WSLM-FM Salem, Ind. WSLN Delaware, Ohio WSLQ Roanoke VA 99.1 WSLT-FM Ocean City NJ 106.3 | WTPC Elsah, III. 93.6 WTPM Aguadiila, P.R. 92.9 WTPR-FM Paris, Tenno WTQR Winston-Salem NC 104.1 WTQX-FM Selma AL 100.9 WTRE-FM Greensburg, Ind. WTRF Wheeling WV 107.5 WTRS Dunnellon, Fla. 102.3 WTRZ Springfield, MA 89.1 WTSA-FM Bratileboro, VT 96.7 WTSB-FM Lumberton, N.C. | WYNU-FM Mansheld, Onlow WYNS Tuskegee, AL 95.9 WYOF Fairfield, CT 88.5 WYOH-FM Hazlehurst, GA 93.5 WYOK-FM Birmingham, AL 99.5 WYOK-FM Birmingham, AL 99.5 | WXID Mayfield, KY 94.7 WXIL Parkersburg, WV 95.1 WXIS Erwin, Tenn. 103.9 WXIY Bay Springs, MS 93.5 WXKE-FM Fort Wayne, IN 103.9 WXKW Allentown, Pa. 104.1 WXKY Fairmont, NC 100.9 WXLE Abbeville, AL 94.3 WXXLE Abbeville, AL 94.3 WXXLE Abbeville, AL 94.3 WXXLE Abbeville, AL 94.3 WXLE Abbeville, Abbville, AL 94.3 WXLE Abbville, Abbville, Abbville, Abbville, |
| WSLU Canton, N.Y. WSLX New Canaan, CT 91.9 WSLY York, AL WSM-FM Nashville, Tenn. WSMC Collegedale, Tenn. WSMC FM Senford, ME 92.1 WSMH-FM Lancaster, NY 89.9 WSMH-FM Lancaster, NY 89.9 | WTSB-FM Lumberton. N.C. WTSC-FM Potsdam! NY WTSD Waterford, Mich. WTSR Trenton. NI WTSR Trenton. NI WTSU Troy AL WTTC-FM Tiffin, Ohio WTTN-FM Waterlown, WI WTTN-FM Waterlown, WI WTTN-FM Westminster, Md. | WVÖS-FM Liberty, N.Y. WYOW-FM Logan, W. Va. 101.9 WYOX-FM New Rochelle, N.Y. WYPB Beckley WV 91.7 WYPC-FM Monmouth, III. WYPE Elkhart, IN 88.1 WYPH Piscataway, NJ 90.3 WYPO-FM Stroudsburg, Pa. WYRY Waverly, Tenn. 104.9 WYSC-FM Somerst, Pa. | WXLM Savannah, Ga. 97.3 WXLD New York NY 98.7 WXLQ Berlin NH 103.7 WXLS Willimantic, CT 98.3 WXNC Henderson NC 92.5 WXOS Plantation Key, Fla. 100.3 WXPN Philadelphia, Pa. WXQR Jacksonville, N.C. 105.5 WXRA Woodbridge, Va. |
| WSMJ Greenfield, Ind. WSMM Sault Ste. Marie, MI 99.5 WSMT-FM Sparta, TN WSMU-FM Starkville, MS 106.3 WSND-FM Notre Dame, IN | WTTU Cookeville Ind. WTTV-FM Bloomington, Ind. WTTX-FM Appomattox, VA 107.1 WTUB Troy, AL WTUE Dayton OH 104.7 WTUF Thomasville OH 107.1 WTUL New Orleans LA 91.5 WTUL Selma LA 100.1 | WYSC-FM Somerset, Pa. WYSH Huntington, Ind., WYSL-FM Slidell, La., 105.3 WYSP Warrenton, NC 90.9 WYSR Rapid City, S.D. WYSS Menomonie, WI 90.7 WYST Bolivar, TN 96.7 WYSU-FM Birmingham AL 91.1 WYTC Randolph enter, Vt. 90.7 | WXRC Hickory, NC WXRF-FM Guayama, P. R. WXRI Norfolk, Va. WXRT Chicago, III. WXRY-FM Columbia, S.C. WXTA Greencastle, Ind. WXTA Charleston SC. 98.9 |
| WSM M SALL Stern NJ 107.7 WSN N POTSdam. NJ 99.3 WSNT - FM Sandersville, GA 94.3 WSNC-FM Charotte, NC 103.7 WSOJ-FM Jesup, GA 98.3 WSOM-FM Salem, Ohlo WSOR Fort Myers, Fla. 95.3 WSOU S. Orange, N.J. WSOY-FM Decatur, III. WSPA-FM Spartanburg, S.C. WSPB-FM Sarasota, Fla. WSPB-FM Sarasota, Fla. | WTVL-FM Waterville, Me. WTVN-FM Columbus OH 96.3 WTVR-FM Richmond, va. WTVY-FM Dothan AL 95.5 WTWC Urbans, III. WTWF Moneks Corner, SC WTWX Guntersville AL 95.9 WTYD New London, Conn. WTYL-FM Tylertown, Miss. 97.9 WTZE-FM Tazewell, Va. | WYTL Monticetto, Ind. WYTS Terre Haute, Ind. WYUB Vincennes, IN 91.1 WYUD-FM Kettering, Ohlo WYUM Coral Gables, Fla. WYUR Valparaiso, Ind. WYUR Putney V 88.9 | WXTR.FM LaPlata. MD 107.1 WXTZ Indianapolls IN 103.3 WXUS.FM Lafayette. Ind. 92.7 WXII.FM Rechester NY 91.5 WXYY Montour Falls NY 104.9 WXYW Suffolk. Va. WXYX Bayamon. PR 100.7 WXYY Wiston. NC 106.1 |
| WSPH Battemore miles of the wind of the wi | WUAG Greensboro, No. WUAL-FM Tuscaloosa AL. WUAZ Henderson, Ky. 103.1 WUBE Cincinnati OH. 105.1 WUCB-FM Chicago, III. WUCJ University Heights, Ohio. 88.9 | WYVE Norristown, PA 91.7 WYVS Valdotsa, GA 89.9 WVVV Blacksburg, Va. WVVX-FM Highland Park IL 103.1 WVWC Buckhannon, W.Va. 88.9 WVWR-FM Roanoke, VA 89.1 WVXU-FM Cincinnati, Ohio 91.7 WYVC VOK, PA 88.1 WWBA-FM St. Petersburg, Fla. | WYAN-FM Upper Sandusky. OH WYBC-FM New Haven, CT 94.3 WYBR Belvidere, IL 104.9 |
| WSRA San Juan, PR 93.7 WSRA FM Ft, Lauderdale, Fla. WSRK Oneonta, NY WSRK Oneonta, NY WSRS FM Swarthmore PA WSRS Worcester, Mass. WSRS Workester, Mass. WSRX Altendale, MI 88.5 WSRX Altendale, MI 88.5 | WUEC Eau Claire, WI 88.7 WUFK-FM Eastman, GA 92.1 WUFK Ft. Kent. ME 90.3 WUFM Lebanon, PA 100.1 WUFM Alblon, Mich. 96.7 WUHS Urbana. O. WUHY-FM Philladelphia, Pa. WUIC Chicago, IL WUIC University Hts., OH 88.7 | WWBD-FM Bamberg, S.C. WWCK Flint MI WWCL Wesson, Miss. WWCM-FM Brazil IN WCM-FM Brazil IN WCT Peorla, IL WWCU Cullowhee, NC WCW Albany GA 101.7 | WYCH Hamilton O H WYCR York-Hanover, Pa. WYCS Yorktown. Va. WYCS Hammond. Ind. WYCE Warwick. R.I. WYCS Yorktown. Va. WYCS Yorktown. Va. WYDD Pittsburgh PA 104.7 WYEN Des Plaines, III. 106.7 WYEP-FM Pittsburgh PA 91.5 WYEZ Elkhart, IN 100.7 WYFE-FM Winnebago IL WYFI Norfolk. Va. WYFI Norfolk. Va. WYFM Sharon PA 102.9 |
| WSTM St. Mathews. Ky. | WULA.F.M Eufula AL 92.7 WUMF.F.M Farmington ME 91.9 WUMR Rolla MO 88.5 WUNC Chanel Hill. N.C. WUNF.F.M Asheville, NC 88.1 WUNF.F.M Asheville, NC 91.3 WUOA Tuscaloosa AL 95.7 WUOG Athens GA 90.5 | WWDB Philadelphia. Pa. 96.5 WWDC-FM Washington, D.C. WWDL-FM Seranton, Pa. 104.9 WWEL-FM Medford MA 107.9 WWEZ Cincinnati. Ohio 92.5 WWFC Fairmont WV 90.9 WWFM Charlerol. PA 98.3 WWGA Waynesboro, GA 100.9 WWGC Carrollton GA 89.3 WWGC Carrollton GA 89.3 WWGP-FM Sanford, N.C. WWHC Hartford City, Ind. WWHI Muncle, IN WWHS-FM Hampden-Sydney VA | WYFM Sharon PA 102.9 WYFM Crbin, Ky. WYI WILLIAMSPORT MD 95.9 WYDSFM New Orleans, LA 98.5 WYMS Milwaukee WI 88.9 WYMS Milwaukee WI 88.9 WYNK FM Baton Rouge, La 101.5 WYNG Chattanooga TN 106.5 WYNG Chattanooga TN 106.5 WYNG Gand Rapids, Mich. WYON Grand Rapids, Mich. WYON Grand Rabids, Fla. WYOR Coral Gables, Fla. WYOR La Melbourne, Fla. |
| WSTN Florence, S.C. WSTP.FM Salisbury, N.C. WSTP.FM Salisbury, N.C. WSTS Laurinburg, N. C. WSTS Laurinburg, N. C. WSTU-FM Stuart, Fla. WSTW Wilmington, Del. WSUB Find Kill NI WSUB Franklin NI WSUB Franklin NI WSUW Whitewater, WI- WSUV.FM Seeford DE WSVC Middand, Mich. 99.7 | WUOM Ann Arbor, Mich. WUOT Knoxville, TN 91.9 WUPI Presque Isle ME 91.1 WUPY Lynn, Mass. WURD Georgatown, OH 97.7 WUSC-FM Columbia, SC 89.9 88.9 | WWIB Ladysmith WI 92.7 WWID Gainesville, GA 106.7 WWIL Wilmington, N.C. 97.3 | WYSH-FM Clinton, TN 104-9 WYSI-FM Buffalo, NY 103.3 WYSO Yellow Springs OH 91.5 WYSP Philadelphia, PA 94-1 WYSP I Youngstown, 0, 88-5 |
| WSVL-FM Sneldyvill, 104.7 WSVS-FM Crewe, VA WSWG-FM Greenwood, MS 99.1 WSWM-FM Belle Glade, FL 93.5 WSWT-Peorla Gap WSWY-FM Pennington Gap WSWY-FM Pennington Gap WSWY-FM Pennington Gap WSWY-FM Pennington Gap | WUSO Springfield. O. WUST-FM Bethesda, Md. WUTM Martin. TN 89.3 WUTS Sewance TN 89.1 WUUN Marquette. MI 100.1 WUVT-FM Blacksburg. Va. 90.7 | WWJ-FM Detroit, Mien. WWJO St. Cloud, MN 98.1 WWJY South Bend, IL 100.5 WWKS Beaver Falls, PA 108.7 WWKT-FM Kingstree, SC 100.1 WWLA La Crosse, Wis. | WYXE Sum Prairie, W1 92.1 WYYD Raieigh NC 96.1 WYZZ Wilkes-Barre, Pa. WZAK Cleveland, 0H 93.1 WZAR Ponce, P.R. 101.9 WZAT Savannah. GA 102.1 WZBC Newton, MA 90.3 WZBT Gettvaburg, PA 90.3 |
| WSYC-FM Shippensburg, PA 00.7 WSYR-FM Syracuse, NY 94.5 WSYX London, OH 106.3 WTAB-FM Tabor City, N.C. WTAE-FM Pittsburgh, Pa. WTAI-FM Melbourne FL 107.1 WTAN Clearwater, FL 107.4 WTAN Clearwater, FL 104.9 | WVAC Adrian, Mich. WVAF-FM Charleston. WVAF-FM Charleston. WVAF-FM Charleston. WVAM-FM Altoona, Pa. WVAM-FM Altoona, Pa. WVBC Bethany, W.Va. WVBF Framingham, MA 105.7 WVBF-FM Hanca, N.Y. WVBS-FM Burgaw, N.C. 99.9 WVBS-FM Burgaw, N.C. 99.9 WVGA-FM Cloudester, Mass. WVCD-FM Cloudester, Mass. WVCD-FM Winnfield, LA 92.1 WVCL-FM Winnfield, LA 92.1 | WWLM Canton, MS WWLR Lyndonville, VT WWMH Minocque, WI WWMM Arlington Heights IL 92.7 WWMO Reidsville, N.C. WWMS-FM Bryan, O. WWNO New Orleans, La. 89.9 WOO Avalon, NJ WWOD-FM Lynchburg, Va. WWOG Boga Raton, Fla. | WZEP-FM Derunan. Springs. Fla. WZEZ Nashville. TN. WZFM Charlestown. W.Va. WZGC Atlanta GA WZID Manchester, NH. 95.7 WZID Cavee. SC. 98.7 |
| WTAS Crete, IL 102.3 WTAW-FM College Station, Tex. WTAY-FM Robinson, IL 101.7 WTBG-FM Brownsville, TN 95.3 WTBI McComb MS 108.7 | WVBU-FM Lewisburg, FA WVCD-FM Gloucester, Mass. WVCD Hazleton, Pa. WVCL-FM Winnfield, LA 92.1 WVCM Carrollton, Ky. ; | WWOC Avalon. NJ WWOD FM Lynchburg, Va. WWOG Boas Raton. Fla. WWOG Boas Raton. Fla. WWOG Hobary N.Y. WWOM Albary NY WWOM FM Woonsocket, R.I. WWOO Avalon. NJ 94.3 | WZLE Lorain, OH 104.9 WZLY Wellesley, MA 91.5 WZMF Menomonee Falls, WIS. WZND Zeeland, Mich. 99.3 |

| Coll | | | - | U.S | S. FM ST. | ATIONS E | BY CALL | LETTERS |
|--|------------------------------|---|--------------------------------------|--------------------------------------|----------------------------------|---------------------------------------|--|---|
| WEST ALLEGATION SET LOCATION Location C.L. Chon. | 1 | 1 | Call Lo | | 1 | - | | |
| Location C.L. Cham. XALABAMA Antherna Wardan TV 48 Allerian Ward | WZOL Luqui WZOT Rocks | IIIo, PR 92.1 | WZRO Pekin (| , IL 88.3 IL | WZVS-FM Vi | eques, PR 98.9 | WZZE Hockess WZZM Grand WZZQ Jackson | Rapids MI 95.7 MS 102.9 |
| ALASAMA Antenam Water-1 v. G. Proceding-Clubs Response to the process of the pro | | | ψ,s. τν | STATIO | S BY L | OCATIO | 1 . | |
| Antenna with the training with | | | Location | C.L. Chan. | Location | C.L. Chan. | Location | C.L. Chan. |
| Section Sect | Annisten | WHMA.TV 40 | Redding-Chico Sacramento | KCRA-TV 3 | Palm Beach | WSWB-TV 35 WPTV R | Eikhart- | |
| Dutter World 1 | | WAPI-TV 13 | Sacramento- Stockton | KMUV-TV 31 | Pensacola | WDTB 18 WJHG-TV 7 WSRE 23 | Evansville | WTVW 7 |
| Minterbille-Dusday Work 1 1 1 1 1 1 1 1 1 | Dothan | †WIIQ 4Î WTVY 4 Wohn 18 | (Monterey | KXTV 10 KSBW-TV 8 | Pensacela- Mobile | WEAR-TV S | Fort Wayne | WEHT 25 WANE-TV 15 WPTA 21 |
| Mantellist Wight 17 15 16 16 16 16 16 16 16 | Florence | TWDIQ 2 WOWL-TV 15 | | KHOF-TV 30 KIHP-TV 18 | St. Petersburg Tampa | WTOG 44 | Indianapolis | WKJG-TV 33 WRIV-6 WISH-TV 8 |
| Sample Wilder Sample S | | CATUR WAAY-TV 31 WYUR-TV 48 | San Diego | KFMB-TV 8 KGTV 10 | Tailahassee- | WECA-TV 27 | 1 | WHMB TV 40 |
| Monte Chesha Wide | Louisville Mobile | †WHIQ 25 †WGIQ 43 WKRG-TV 5 WALA-TV 10 | San Francisco | KRON 4 KPIX 5 | Tampa Tampa-St. | tWUSF-TV 16 | Marion Muncie | WLFI-TV 18 WTAF-TV 31 †WIPB 49 WNDII-TV 18 |
| Wild-17 2 San Jose Superior 2 San Jose | Montgomery | TWEIQ 42 WSFA-TV 12 WCOV-TV 20 | ĺ | †KQEC 32 †KQED 9 | West Palm Be | | Terre Haute | WSBT-TV 22 †WNIT-TV 34 WTWO 2 |
| Sam January January Sam January | Mount Cheaha | WAIQ 26 WKAB-TV 32 | 1 | KTRF.TV 28 | 11 | | Vincennes | WTHI-TV in |
| Anabhorase KERLITY 2 San List WAGATY 3 Close Farmanch Farmanc | ` <u>S</u> eima | †WCIQ 7 WSLA 8 WCFT-TV 83 | San Jose | KDTV 60 Kntv II | Athens | TWGTV 8 | 1 | |
| ### Action College Col | -AL | | San Luis | KFAS-TV 48 | Counts | WAGA-TV 5 WAGA-TV 1 | Ames-Des Moines | |
| ## Bathaid FLY 17 17 17 17 17 17 17 1 | Anchorage . | KENI-TV 2 KTVA II | Obispo San Mateo Santa Barbara | KEVT Q | Augusta | +WETV 20 | Council Bluffs | KCRG-TV 0 |
| | Bethel Fairbanks | tKYUK-TV 4 | Santa Maria Santa Rosa | KCOY-TV 12 | 1 | WRDW-TV 12 WATU-TV 26 | Davenport | KCCI-TV 8 |
| Tultary No. Tultary No | | †KUAC-TV 9 | Sacramento | | Coehran | WRBL-TV 3 | Dubuque Fort Dodge | WHO-TV 13 KDUB-TV 40 |
| Fleenan | Sitka | KIFW-TV 13 | Tulare | XEWT-TV 12 | Dawson | TWJ8P-TV 28 | lowa City | †KTIN 48 †KIIN-TV 12 |
| Color Strings | Flagstaff | KOAI 2 | (Fresne) | | Macon | WCWB-TV 41 | Red Oak | †KYIN 24 †KHIN 36 |
| Danver | | KPHO-TV 5 | Colo, Springs- | | | WABW-TV 14 WSAV-TV 3 WTOC-TV 11 | | KCAU-TV 9 KMEG 14 |
| Tusson KgU-T-V S | Phoenix-Mesa | KTAR-TV 12 | l . | KRDO-TV 13 KWGN-TV 2 | Pembroke . | - - | Cedar Rapids | |
| Weight | . 400011 | KGUN-TV 6. | | KRMA-TV 6 KMGH-TV 7 | Wrens | TWCES-TV 20 | Ensign | |
| ### ARKANSAS ### Duration First 18 | Nogates | KZAZ II | Grand | KREZ-TV-0 | | | Geodland | KLOE-TV 13 |
| El Darade-Morres, La. KTVE 10 Poynthwile Morres, La. KTVE 10 Poynthwile KOAN-TV 3 Strings KVA-TV 3 KANK-TV 4 WFST-TV 3 KANK-TV 10 WFST-TV 3 KANK-TV 10 KKWI-TV 13 KWI-TV 14 KWI-TV | | | Montrose Pueble | KREY-TV 10 | Honolulu | KHVO 13 KHON•TV 2 | Hays Hutchinson | KAY8-TV 7 |
| Content Cont | El Dorado- Monroe, La. | KTVE 10 | Springs | KOAA-TV 5 KTV8 3 | | KGMB-TV 9 | Wichita Pittsburg- Jonlin | 1 |
| Annahim KG0F Str. Annahim KG0F Str. S | Fayetteville - Springdale | | CONNEC | | | KGME-TV 3/ KAII-TV 7 | Topeka | WIBW-TV IS |
| Little Rook | | KLMN 24 KFPW-TV 40 | Hartford | WFSB-TV 3 WHCT-TV 18 | | KMVI-TV 12 | | KARD-TV 3 KAKE-TV 10 |
| CALIFORNIA | | KAIT-TV 8 +KTEJ 19 +KET8 2 | Hartford | • | Boise | KB01-TV 2 | 100000000000000000000000000000000000000 | |
| CALIFORNIA | | KARK-TV 4 | Hartford | WTNH-TV 8 | Idaho Fails- | KTVB 7 | Bowling Green | WBKO 13 |
| Sakersheid Scale | | ORŅIA | Waterbury | WAIR-TV 20 | Lewiston | KIFI-TV 8 KLEW-TV 3 | Elizabethtown | TWCVN 54 TWKZT 23 |
| Corons-Los | Bakersfield | KERO-TV 23 | | | Nampa | KIVI & I | _ | WKYH-TV 57 WLEX-TV 18 WKYT-TV 27 |
| El Centro ESCC-TV | Corona-Los | KH8L-TV 12 | PISTRIC COLUM | T OF | | | Louisville | WAVE-TV 8 |
| Eureka KIEM-TV 3 WMAL-TV 7 WTV-TV 9 WDCA-TV 20 | E! Centro El Centro- | | | WRC-TV 4 | Carbondale | tWSIU-TV 8 | | TWKPC-TV 15 WLKY-TV 32 |
| Angeles KLXA-TV 46 KM3-TV 22 KFSN-TV 30 KIS 47 KFSN-TV 30 KIS 47 KBSA-48 KFV 21 Baseh Collado KNTV 21 KNS 48 K | Eureka | KIEM-TV 3 | , | WMAL-TV 7 WTOP-TV 9 WDCA-TV 20 | , | WBBM-TV 2 I | Madisonville Morehead | |
| Consticution Constitution Cons | Angeles | KLXA-TV 40 | X FLORI | TWETA-TV 26 | | WCFC 38 WLS-TV 7 | Murray Newport | WYIY-TV 10 |
| Name | | KF8N-TV 30 KJEO 47 | Daytona Beach- | WESH-TV 2 | , | WCIU-TV 26 | Paducah Pikeville | WESD TX 6 |
| Los Angeles | Hanford Huntington | | Ft. Lauderdale Fort Myers | WKID 5[| | WSNS-TV 44 WAND 17 | | TWK80 29 |
| RABC-TV 7 | Los Angeles | KNXT 2 KNBC 4 | Vere Beach | WTVX 34 TWUFT 5 | Rockford Harrisburg Moline | WCEE-TV 23 WSIL-TV 3 WQAD-TV 9 | Alexandria | KALB-TV 5 |
| WTLV 12 | | KHJ-TV 9 | Jacksonville | WCJB 20 WJXT 4 | Olnev | TWUSI-TV IS I | Hours | †WLPB-TV 27 WRBT 33 |
| KMEX-TV 34 KUS 58 KKUS 58 KVST-10 8 KVST-10 8 KVST-10 8 KUC-TV 10 KVST-10 8 KUC-TV 10 KVST-10 8 KUC-TV 10 KVST-10 8 KWST-10 10 KWST-1 | | KWHY-TV 22 | Miami | WJKS-TV 17 | Quiney- | WMBD-TV 31 †WTVP 47 WGEM-TV 10 | Lafayette | KATC 3 KLFY-IV 10 |
| Modeste | | †KLCS 58 I | | WCIX-TV 6 | Rockford Rock Island | WREX-TV 13 | Monroe Monroe- | , +KLTM 13 |
| Oxnard Palm Springs \ KMIR-IV 30 WEST V 12 Padd No. 1 P. 1 | Monterey Oakland-San | KLOC-TV ID I | | WPLG-TV 10 WLRN-TV 17 | Springfield Urbana- | WICS 20 | Monroe- El Derade AR | |
| Redding KPLM-TV 42 WFTV 9 Bloomington TWTIU 30 WGNO-TV 26 | Francisco | KTIE 43 KMIR-TV 34 | Ocala | | INDIA | 1 | | TWYES-TV 12 |
| TWMFE-TV 24 Showington WTTV 4 Shreveport KTBS-TV 3 KSLA-TV 12 KSLA-TV 12 | Redding | KPLM-TV 42 †KIXE-TV 9 | | WFTV 9 WFTV 24 | Bloomington- | i | Shreveport | WGNO-TV 26 KTBS-TV 3 |

| cation | Call MHz | Location | Call MHz | Location | Call MHz | Location | Call MHz |
|--|--|-----------------------------------|---|--|---|---|---|
| | , | Meridian | WTOK-TV II | | WROD-6 | Cleveland | WUAB 43 |
| eveport- exarkana | 'NTALITY" 6 | | TWMAW 14 WHTV 24 | Binghamton | WBJA-TV 34 WBNG-TV 12 | Newark Oxford | †WGSF 31 †WMUB-TV 14 †WPB0-TV 42 |
| · XMAIN | IE . | Oxford State College | WHTV 24 TWMAV 18 TWMAB 2 | | WICZ-TV 40 WSKG 46 | Portsmouth Steubenville- Wheeling | WSTV-TV 9 |
| gusta ngor | TWCBB IO WLBZ-TV 2 | Tupelo | WTWV 9 | Buffalo | WGR-TV 2 WBEN-TV 4 | Toledo | WTOL-TV !! WSPD-TV !3 |
| | WABI-TV 5 WEMT 7 | Cape MISS | OURI - | | WKBW-TV 7 | | WDHO-TV 24 +WGTE-TV 30 |
| ddeford lais | +WMEG-TV 26 +WMED-TV 13 +WMEB-TV 12 | Girardeau Columbia | KFV8-TV 12 KOMU-TV 8 | Carthage- Watertown | WUTV 29 WWNY-TV 7 | Youngstown | WFMJ-TV 21 WKBN-TV 27 WYTV 33 |
| ono bland Spring ortland | WMTW-TV 8 | Hanalbal- | KCBJ-TV 17 | Elmira Elmira- | WENY-TV 36 | Zanesville | WHIZ-TV 18 |
| esque Isla | WEAN-TV IS WAGM-TV 8 | Quiney Jefferson City | KHQA-TV 7 KRCG 13 KODE-TV 12 | Corning Garden City | WSYE-TV 18 | X OKLAH | IOMA |
| | TWMEM-TV 10 | Joplin Kansas City | KTVJ 16 WDAF-TV 4 | New York | WCB8-IV 2 WNBC-TV 4 | Ada-Ardmore Ardmore & | KTEN 10 |
| MARYL | | Kansas City | KCMO-TV 5 KMBC-TV 9 | | WNEW-TV 5 WABC-TV 7 | Sherman- Denison | KX11 12 |
| napolis altimors | WMAR-TV 2 WBAL-TV 11 | | KBMA-TV 41 | | WOR-TV 9 WPIX II †WYNE-TV 25 | Lawton (Wichita Falls) | KSWO-TV 7 |
| | WJZ-TV 13 WBFF 45 | Kirksville- Ottumwa | KTVO 3 KQTV 2 | New York- | TWNYC 31 | Oklahoma City | KOCO-TV 5 |
| agerstown | WMPB 67 WHAG-TV 25 | St. Joseph St. Louis | KTVI 2 | Newark | WHET 13 | | †KETA 13 †KOKH-TV 25 |
| allsbury | TWWPB-TV 31 WBOC-TV 16 | | KMOX-TV 4 KSD-TV 5 †KETC 9 | New York- | WNJU-TV 47 WXTV 41 | Sayre | KVIG-TV 8 |
| KMASSACH | TWCPB 28 | | KPLR-TV II KDNL-TV 30 | Paterson Norwood Plattsburgh | +WNPL-TV IR | Tulsa | KTEW 2 KOTV 6 KTUL-TV 8 |
| dams | WCDC 19 | Sedalia Springfield | KYTV 3 | Rochester | WPTZ 5 tWCFE-TV 57 WROC-TV 8 | | TROED TV II |
| oston | WBH-TV 2 | | KOLR 10 KMTC 27 | | WHEC-TV 10 | OREC | |
| | WCVB-TV 5 WNAC-TV 7 WSBK-TV 38 | ¥ | +KOZK 21 | Schnectady- | †WXXI 2I | Coos Bay Corvalits | KCBY-TV II |
| | TWGBX-TV 44 | Billings | KTVQ 2 | Albany-Trey Syracuse | WMHT 17 WSYR-TV 3 | Eugene | KEZI-TV 9 KVAL-TV 13 |
| ambridge- | WXNE-TV 25 | Butte | KULR-TV 8 KXLF-TV 4 | Syr acuse | WHEN-TV 5 WNY8-TV 9 | Klamath Falls Medford | KOTI 2 KOBI 5 KSYS 8 |
| Boston ireenfield | WLVI-TV 56 WRLP 32 | Glendive | KXGN-TV 5 | Utica | TWCNY-TV 24 WKTV 2 WUTR 20 | Portland | KMED-TV 10 |
| ew Bedford pringfield | WIEV-TY 0- WWLP 22 WGBY-TV 57 | Great Falls , | KRTV S KFBB-TV 5 KTCM 12 | Watertown | TWNPE-TV 16 | FULLAND | KGW-TV 8 |
| pringfield- Holyoke | WHYN-TV 40 | Helena Kalispell Miles City | KCFW-TV 9 KYUS-TV 3 | XNORTH C | AROLINA | | †KOAP-TV 10 KPTV 12 |
| Vorcester | WSMW-TV 27 | Missoula | KGVO-TV 13 KPAX-TV 8 | Asheville | WANC-TV 21 | Roseburg Salem | KVDO-TV 3 |
| XMICH | GAN | NEBE | RASKA . | Chapel Hill Charlotte | WBTV 3 | PENNSY | LVANIA |
| lien Park Lipena | tWCML-TV 6 | Albion Alliance | KCNA-TV 8 †KTNE-TV 13 †KMNE-TV 7 | | WSOC-TV 9 WCCB 18 WRET-TV 38 | Allentown- Bethlehem | TWLVT-TV 89 |
| | +WCML-TV 6 | Bassett Grand Island | KGIN-IV II | Columbia | +WT VI 42 | Altoona | WTAJ-TV 10 WOPC 38 |
| Ann Arbor Bay City-Sag- inaw-Flint | WRHT 31 WNEM-TV 5 | Hastings | | Concord Concord Durham | WUND-TV 2 WUNG-TV 58 WRDU-TV 28 | Clearfield Erie | WPSX-TV 3 |
| Cadillac- Traverse City | wwrv 9 | Hayes Center Hay Springs | KHAS-TV 5 †KHNE-TV 29 KWNS-TV 4 | Durham- Raielgh | WTVD II | | WJET-TV 24 WSEE 35 WQLN 54 |
| Cheboygan Detroit | WTOM-TV 4 WJBK-TV 2 | Kearney- Holdrege | | Greensboro Greenville | WFMY-TV 2 WNCT-TV 9 †WUNK-TV 25 | Greensburg Harrisburg | WPFO-TV 40 WHP-TV 21 |
| | WWJ-TV 4 WXYZ-TV 7 | Lexington Lincoln | KHGI-TV 13 †KLNE-TV 3 KOLN-TV 10 †KUON-TV 12 | Hickory | WHKY-TV 14 | Hershey | WTPA 27 tWITF-TV 33 WJAC-TV 6 |
| | WKRD-TV 50 | McCook- Oberlin | KOMC 8 | High Point Greensbore & Winston- | | Johnstown | WINL-TV 19 |
| East Lansing | †WTV8 56 WGPR-TV 62 †WKAR-TV 23 | Merriman / | †KRNE-TV 12 †KXNE-TV 19 | Salem | WGHP-TV 8 WXII 12 WLNS-TV 19 †WUNE-TV 17 | Lancaster- | WGAL-TV 8 WLYH-TV 15 |
| East Lansing Escanaba Flint | WKAR-TV 23 KJMN-TV 3 WJRT-TV 12 | North Platte Omaha | KNOP-TV 2 KMTV 3 †KPNE-TV 9 | Jacksonville Linville | WLNS-TV 19 TWUNE-TV 17 | Lebanon Philadelphia | KYW-TV 3 WPVI-TV 6 |
| Grand Rapids | WOTV 8 | | WOWT "6" | New Bern Raleigh | WCTI-TV 12 WJHF 22 | | WCAU-TV 10 WPHL-TV 17 |
| lackson | WZZM-TV 13 WWLD-TV 18 | Scuttsbluff- | †KYNE-TV 26 | Raielgh- Durham Washington | WRAL-TV 5 WITN-TV 7 | | WTAF-TV 29 + WUHY 35 |
| Kalamazoo Lansing | WWLD-TV IS WKZO-TV 3 WILX-TV IO | Gering Superior | KSTF 10 KSNB-TV 4 | Washington | WWAY 3 | Philadelphia (Burlington, | WKBS 48 |
| Marquette | WILUC-IV 0 | NE | ADA | Winston-Salem | TWUNI-TV 39 | N.J.) Pittsburgh | KDKA-TV 2 WTAE-TV 4 |
| Mt. Pleasant Saginaw | +WNNU-TV 13 1WCMU-TV 14 WEYI-TV 25 | Eiko Henderson | KEKO 10 KVVU 5 KORK-TV 3 | | DAKOTA | | WPGH-TV 53 KHSD-TV II |
| Sault Ste. Marie | WWUP-TV 10 | Las Vegas | KLAS-IV 6 | Bismarek | KFYR-TV 5 KXMB-TV 12 | | WIIC-TV II TWQED 13 TWQEX 16 |
| Traverse City | WGTQ 8 WPBN-TV 7 WGTU 29 | Reno | KSHO-TV 13 | Devils Lake Dickinson | WDAZ-TV 6 KDIX-TV 2 | Se | WPGH-TV 53 |
| University Ctr. (Bay City) | WUCM-TV 19 | | KTVN 2 KCRL-TV 4 KOLO-TV 8 | Fargo | TKFME 13 | Scranton & Wilkes-Barre | WNEP-TV 18 WDAU-TV 22 |
| . / | | NEW H | AMPSHIRE | Fargo-Grand Forks | KTHI-TV II | State College | WDAU-TV 22 †WVIA-TV 44 WTIE-TV 29 |
| XMINNI Appleton | †KWCM-TV 10 | Berlin | +WEDR-TV 40 | Grand Forks Minot | †KGFE 2 KMOT 10 KXMC-TV 13 | Wilkes-Barre & Scranton | WBRE-TV 28 |
| Alexandria Austin | KCMT 7 | Durhani Hanover | TWENH II | Valley City | | York | WSBA-TV 43 |
| Duluth | WDIO-TV IO | Keene Littleton Manchester | WMUR-TV 49 | (Fargo) Williston | KXJB-TV 4 KUMV-TV 8 KXMD-TV II | DUARE | ISLAND |
| | WDSM-TV 8 WDSE-TV 8 WIRT IS | manempto | WXP0-TV 50 | X oi | | Providence | WJAR-TV 10 |
| Hibbing Mankato | WIRT IS KEYC-TV I2 | 1 | JERSEY / | Akron | WAKR-TV 23 | | WPRI-TV 12 †WSBE-TV 36 |
| Minneapolis- St. Paul | | Camden Montelair | †WNJ8 23 †WNJM 50 | Alliance | †WEAD 49 WCOT 55 †WNEO-TV 45 | Providence (New Redford) | -W7EV-6- |
| | KMSP-TV 9 | Newark | WN1U 47 WBTB-TV 68 +WNIB 58 | Athens Cambridge | TWOUB-TV 20 | Bedford) | |
| Danke-A | KTMA-TV 23 KROC-TV 10 | New Brunswiol | WERK TWNET IS | Canton Cincinnati | WIAN 17 WLWT 5 | XSOUTH (| CAROLINA |
| Rechester St. Paul St. Paul- | †KTCI-TV 17 | Trenton Wildwood | WCMC-TV 40 | | WCPO-TV 9 WKRC-TV 12 †WCET 48 | Allendale | TWEBA-TV 14 WAIM-TV 40 |
| Minneapoils | KTCA-TV 2 KSTP-TV 5 | /3 | MEXICO | Cincinnati- | WXIX-TV 19 | Anderson Beaufort Charleston | WCBD-TV 16 |
| Walker | WGTC 29 KNMT 12 | Alliuquerque | KOB-TV 4 | Newport, Ky. Cleveland | WKYC-TV 3 WEWS 5 | Cital teston | WCIV 4 WCSC-TV 5 †WITV 7 |
| | ISSIPPI | | KOAT-TV 7 KGGM-TV 13 KMXN-TV 23 | | WJW-TV 8 | Columbia | WIS-TV IU |
| Biloxi | WLOX-TV 13 +WMAH 19 +WMAE 12 +WMAU 17 | Carlsbad Clovis | KMXN-TV 23 KAVE-TV 12 KFDW-TV 12 KIVA-TV 12 | Columbus | WVIZ-TV 25 | | WNOK-TV 19 WOLD-TV 25 †WRLK-TV 35 |
| Booneville Bude | WMAE 12 | Farmington Las Cruses | +KRWG-TV 22 | | WBNS TV 10 tWOSU-TV 34 | Florence | WDTW 12 |
| Columbus Greenwood | WCBI-TV 4 †WMAO 23 | Portales Roswell | KSWS-TV 8 | Dayton | WLWD 2 WHIO-TY 7 WKEF 22 | Greenville | †WJPM-TV 33 †WNTV 29 WGGS-TV 16 |
| Greenwood- Greenville | WABOTY S | | KBIM-TV 10 | Kettering | | Greenville- Spartanburg | & |
| Jackson | WLBT 3 WJTV 12 WAPT 16 †WMAA 29 | | V YORK | (Dayton) | * †WOET-TV 16 WL10 35 | Asheville | WFBC-TV 4 WSPA-TV 7 WLOS-TV 13 |
| | TWMAA 29 | Albany Albany-Truy- | WTEN 10 | Lorain | +WBGU-TV 57 | Sumter | †WRJA-TV 27 |

| | | | | U.S. TV | V STATION | NS BY LO | CATION |
|-----------------------------------|-------------------------------------|-----------------------------------|---------------------------------------|---------------------------------|--------------------------------------|---------------------------|---|
| Location | Call MHz | Location | Call MHz | Location | Call MHz | Location | Call MHz |
| | DAKOTA | El Pase | KDBC-TV 4 | XVIRG | GINIA | Marietta Weston- | WTAP-TV 15 |
| Aberdeen | KABY-TV 8 | | †KCOS 7 KTSM-TV 9 | Bristol- | INIA | Weston- Clarksburg | WDTV 5 |
| Brookings | †KDSD-TV 16 †KESD-TV 8 | F. 9-22 | KVIA-TV 13 | Kingsport & | WAND ON E | Wheeling- Steubenville | WTRF-TV 7 |
| Deadwood- Lead | KDSJ-TV 5 | Ei Paso- Juarez | XEPM-TV 2 | Johnson City Charlottesville | WCYB-TV 5 WVIR-TV 29 WHFV 69 | . ' ' | |
| Fiorence- Watertown | | Fort Worth- | XEJ-TV 5 | Fredericksburg Goldvein | WHFV 69 TWNVT 53 | → Wisco | ONSIN |
| Watertown Lead | KDLO-TV 3 KHSD-TV 11 | Dallas | WBAP-TV 5 | Hampton- | | Colfax | TWHWC-TV 28 |
| Lowry | KIVV-TV 5 | Harlingen | KTVT II KGBT-TV 4 KPRC-TV 2 | Norfolk | WVEC-TV 13 | Eau Claire Green Bay | WEAU-TV 13 |
| Mitchell | KXON-TV 5 | Houston | +KIIHT 8 | Harrisenburg Lynchburg | MHSA-IA 3 | - | WFRV-TV 5 |
| Pierre | KPRY-TV 4 | 1 | KHOH-TV H | Roanoka | WLYA-TV 13 | | WLUK-TV II †WPNE 38 WKBT 8 |
| Rapid City | KPRY-TV 4 KOTA-TV 3 KEVN-TV 7 | (| KTRK-TV 13 KDOG-TV 26 | Norfolk Norton | WIAR-TV 3 | LaCrosse | WXOW-TV 19 |
| Reliance | †KBHE-TV 9 | Laredo | KHTV 39 KGNS-TV 8 KVTV 13 | Portsmouth Portsmouth | WYAH-TV 27 | Madison | TWHLA-TV 31 |
| Reliance Sioux Falls | KELO-TV II | 1 | KVTV 13 | Norfolk-New- | | M Autou | WMTV IS |
| Vermillion | KŠFY-TV 13 †KUSD-TV 2 | Laredo (Nuevo Laredo) | | Port News | WAVY-TV 10 WTVR-TV 4 WWBT 12 | | TWHATTY 21 |
| | | Lubbeck | XEFE-TV 2 †KTXT-TV 8 KCBD-TV II | | WWBT 12 TWCVE-TV 23 | Milwaukee | WTM1-TV 4 |
| | NESSEE | í | KLBK-TV 13 | | TWCVE-TV 23 TWCVW 57 | | TWMVS 10 |
| Chattanooga | WRCB-TV 3 | Lufkin | KSEL-TV 28 KTRE-TV 9 | Richmond- Petersburg | | | WTMJ-TV 4 WITI-TV 6 †WMVS 10 WISN-TV 12 WYTV 18 |
| | WTVC 9 WDEF-TV 12' | Midland Midland & | KDCD-TV 18 | Roanoke | WXEX-TV 8 WDBJ-TV 7 WSLS-TV 10 | | W C U V 24 |
| | †WTCI 45 WRIP-TV 61 | Odessa | KMID-TV 2 | | WSLS-TV 10 TWBRA-TV 15 | Rhinelander | TWMVT 36 |
| Crossville | WCPT-TV 55 | Monahans O dessa | KMOM-TV 9 KOSA-TV 7 | Staunton | TWVPT 51 | (Wausau) Wausau | WAEO-TV 12 WSAU-TV 7 |
| Jackson Johnson City- | WBBJ-TV 7 | Port Arthur- | · | WASHI | NGTON ' | VI Guouu | WAOW-TV 19 |
| Bristol- Kingsport | WINE TH II | Beaumont San Angele | KJAC-TV 4 KACB-TV 3 | Bellingham | KV08-TV 12 KVEW 42 | 1 | TWHRM-TV 20 |
| Kingsport | WIHL-TV II WKPT-TV IB | San Antonio | KCTV 8 | Kennewick Pasco- | KVEW 42 | X WYON | MING |
| Knoxville | WATE-TV & | San Antonio | KMOL-TV 4 KENS-TV 5 | Kennewick- | , | Casper | KTWO-TV 2 |
| | WBIR-TV 10 WTVK 26 | | KSAT-TV 12 KWEX-TV 41 | Richland Pullman | KEPR-TV 19 †KWSU-TV 10 | Cheyenne Lander- | KYCU-TV \$ |
| Lexington Memphis | WREC-TV 3 | San Antonio- | 1 | Richland-Pasco- | | Riverton- | , |
| In our parts | WMC-TV 5 | Austin Sweetwater- | †KLRN-TV 9 | Kennewick Seattle | KNDU 25 KOMO-TV 4 | Thermopolis- Worland | KWRB-TV 10 |
| | TWKNO-TV 10 WHBQ-TV 13 | Abilene Temple- | KTXS-TV 12 | 1 | KING-TV 5 KIRO-TV 7 | | RWN6-17 10 |
| Nashville | WMTU-TV 30 tWDCN-TV 8 | Waco | KCEN-TV 8 | 1 | †KCT8-ŤV 9 | 1 | |
| Massymo | W7TV 17 | Tyler- Longview | KITY 7 | ' Spokane | KREM-TV 2 . KXLY-TV 4 | U.S. POSS | ESSIONS |
| | WSM-TV 4 WTVF 5 | Victoria , Waco | KXIX I9 | 1 | KHO TV 6 | GII | |
| Sneedville | WNGE 2 | Wesiaco | KWTX-TV 10 KRGV-TV 5 | Tacoma | KSTW II | GUA | |
| | TWSJK-TV 2 | Wichita Falls | KFDX-TV 3 | 1 | KCPQ-TV 13 TKPEC-TV 56 | Agana | KUAM-TV 8 †KGTF 12 |
| Abilene X TEX | KRBC-TV a | | TRIDZ-TV 24 | Yakima | †KTP8 62 | SHERT | |
| Amarillo | KRBC-TV 9 KAMR 4 KVII-TV 7 | V 117 | | Yakima | KNDO 23 KIMA-TV 29 | PUERTO | RICO |
| | KFDA-TV 10 | X UTA | | 1 | KAPP 35 | Aguadilla- Mayaguez | WOLE-TV 12 |
| Austin | KTBC-TV 7 | Ogden | †KOET 9 †KWCS-TV 18 | (| TRIVE-IV 4/ | Caguas- | WVEO 44 |
| | KTVV 36 | Provo | †KWCS-TV IS †KBYU-TV II | WEST V | | San Juan | WKBM-TV II |
| Beaumont | KFDW4TV 6 KBMT 12 | Salt Lake City | KUTV 2 | WEST VI | | Mayaguez | TWIPM-TV 3 WORA-TV 5 |
| Belton Big Spring | KBMT 12 | Odii bunu | KUTV 2 KTVX 4 KSL-TV 5 | Biuefield Charleston- | WHIS-TV4 | Ponce | WRIK-TV 7 |
| Big Spring Bryan | KWAB-TV 4 | | KSL-TV 5 †KUED 7 | Huntington Clarkshure | WCHS-TV 8 | San Juan | WSUR-TV 9 WKAQ-TV 2 |
| College Station Corpus Christi | TKAMU-TV 15 | A COUNTY | | Grandview | WCHS-TV 8 WBOY-TV 12 WSWP-TV 9 | (| WAPA-TV 4 |
| Corpus Om 15th | TKEDT 16 | VERM | | Huntington / Huntington- | -†WMUL-TV 33 | 1 | |
| - | KZTV 10 | Burlington | WCAX-TV 3 | Charleston | WSAZ-TV 3 WHTN-TV 13 | VIRGIN IS | SLANDS |
| Dallas | †KERA-TV 13 | | WVNY-TV 22 †WETK 33 †WVER 28 | Mergantown | WHTN-TV 13 TWWVU 24 | Charlotte | |
| Dallas-Ft. Worth | KDFW-TV 4 1 | Rutland St. Johnsbury | TWVIB 20 1 | Oak Hill- Beckley | WOAY-TV 4 | Amaile | WBNB-TV 10 |
| | WFAA-TV 8 KXTX-TV 39 | Windsor | WVTA 41 | Parkersburg- | WUAT-IV 7 | Charlotte- Amaile | WJTX-TV 12 |
| | CANAI | DIAN AN | √ STAT | (| FREQUE | ENCY | 1 |
| Call Location | ion Power | Call Location | | Call Locatio | ion Power | Call Locatio | ion Power |
| 540—555.5 CBEK Windsor, | Ont. 2,500d | CKWW Windsor, (CKXR Salmon Ar | Ont. 500 rm, B.C. 10,000 | CKCM Grand Falls | is, Nfld. 10,000 | CBU Vancouver, B | B.C. 50,000 |

| Call Location Power | Call Location Power | Call Location Power | Call Location |
|--|--|---|--|
| 540—555.5 | CKWW Windsor, Ont. 500 | CKCM Grand Falls, Nfld. 10,000 | |
| CBEK Windsor, Ont. 2,500d 5,000n | CKXR Salmon Arm, B.C. 10,000 1,000n | 1 | CBU Vancouver, B.C. CFRG Gravelbourg, Sask. |
| CBK Regina, Sask. 50,000 CBT Grand Falls, Nfid. 10,000 | , CKY Winnipeg, Man. 50,000 | 630475.9 | 700-428.3 |
| | 590508.2 | CFCO Chatham, Ont. 10,000d | CIMN Charlottetown, P.E. |
| 550—545.1 | CFAR Flin Flon, Man, 10,000d | CFCY Charlottetown, P.E.I. 10,000 | |
| CFNB Fredericton, N.B. 50,000 CHLN Trois-Rivieres, Que. 10,000d | CFNL Fort Nelson, B.C. 250 | CHLT Sherbrooke, Que, 10,000d | 710—422.3 |
| CHNO Sudbury, Ont. 10,000d | CJCW Sussex, NB 500d | CJET Smiths Falls, Ont. 10,000 | CBGF Fermont, Que. CHYR Leamington, Ont. |
| CKPG Prince George, B.C. 10,000 | CKEY Toronto, Ont. 10,000 CKRS Jonquiere, Que. 10,000d | CJLA Lachute, Que. 500d | CHSR Fredericton, N.B. CKVM Ville-Marie, Que. |
| | 5,000n VOCM St. John's Nfld. 10,000 | CKAR Huntsville, Ont. 1,000 CKOV Kelowna, B.C. 5,000d | CJRN Niagara Falls, Ont. |
| 560—525.4 | 600—499.7 | 1,000n | |
| CFOS Owen Sound, Ont. 1,000 CHCM Marystown, Nfid, 1,000d | CBNA St. Anthony, Nfid. 10,000 | CKRC Winnipeg, Man. 10,000 | CKVO Clarenceville, Nfld. |
| CHTK Prine Rpuert, B.C. 1,000d | CFCF Montreal, Que. 5,000 CFCH North Bay, Ontario 10,000d | 640—468.5 | 730-410.7 |
| CJKL Kirkland Lake, Ont. 5,000 | 5,000n CFCT Tuktoyaktuk, N.W.T. 1,000 | CBN St. John's Nfld. 10,000 | CHYR-7 Leamington, Ont CJNR Blind River, Ont. |
| CKCN Sept-Iles, Que. 10,000d | CFQC Saskatoon, Sask. 5.000 | 650-461.3 | CKAC Montreal, Que CKDM Dauphin, Man. |
| 5,000n CKNL Fort St. John, B.C. 1,000 | CJOR Vancouver, B.C. 10,000 CKCL Trure, N.S. 1,000 | CITR Vancouver, B.C. 20 | CKGA Gander, Nfid. |
| 570—526.0 | 610—491.7 | 660-454.3 | CKLG North Vancouver, B. |
| CFCB Corner Brook Nfld 1 000 | CHNC New Carlisle, Que. 10,000d | CJAM Windsor, Ont. 20 | , (|
| CFWH White Horse, Y.T. (,000 CJEM_Edmundston, N.B. 5,000d | 5,000n CHNL Kamiceps, B.C. 10,000d | 670—447.5 | 740—405.2 |
| 1,000n CKEK Cranbreck, B.C. 10,000d | CHTM Thompson Man 1 000 | CJNW Musgravetown, Nfld. | CBL Toronto, Ont. CBNM Marystewn, Nfld. |
| 1,000 1 | CKML Mount Laurier, Que. 1,000 CJAT Trail, B.C. 10,000d | CKCU Ottowa, Ont. 10,000d | CBX Edmonton, Alta. |
| CFWH Whitehorse, Y.T. 1,000 CKWL Williams Lake, B.C. 1000 | 1.000n | 680440-9 | 770-389.4 |
| 580-516.9 | CJOX Grand Falls, Nfld. 10,000 CKRW Whiteherse, Y.T 1,000 | CBQM Fort McPherson, NWT 40 | CHSR Fredericton, N.B. |
| CFRA Ottawa, Ont. 50,000d | CKTB St. Catharines, Ont. 10,000d 5,000n | CHFA Edmonton, Alta. 10,000 CFTR Toronto, Ont. 10,000d | |
| CHLC Hauterive, Que. 5,000d | CKYL Peace River, Alta. 10,000d | 25,000m CJCN Grand Fails, Nfid. 10,000 | 790—379.5 |
| CJFX Antigonish, N.S. 10,000 | 620-483.6 | CJOB Winnipeg, Man. 10,000d 2,500n | CFDR Dartmouth, N.S. CFCW Camrese, Alta. |
| CKAP Kapuskasing, Ont. 10,000d | CFCL Timmins, Ont. 10,000d | CKGB Timmins, Ont. 10,000 | CKSO Sudbury, Ont. |
| 1.000n | CJCI Prince George, B.C. 10.000 | 690-439.5 | CFAN Newcastle, N.B. CHIC Brampton, Ont. |
| l ckua Edmonton, Alta. iő,000 l IUNICATIONS WORLD/Fall-Win | CKCK Regina, Sask. 5,000 | CBF Montreal, Que. 50,000 | CFNW Port Auckolx, Nfld. |

CANADIAN AM STATIONS BY FREQUENCY

| CANADIAN AM S | IATIONS BY FREQU | JENCT | |
|--|--|---|---|
| Call Location Power | Call Location Power | Call Location Power | Call Location Power |
| 800—374.8 CBQ Thunder Bay, Ont. 10,000d | CKRM Regina, Sask. 10,000d 5,000n | CKTK Kitlmat, C.C. 1,000d 250n VOAR St. John's, Mfld. 100 | CJLS Yarmouth, N.S. 250n 5,000d 1,000n |
| CFOB Fort Frances, Ont. 1,000d | 990—302.8 | 1230—243.8 | CKAR-I Parry Sound, Ont. 250n |
| CHAB Moose Jaw, Sask. 10,000 | CBW Winnipeg, Man. 50,000 CBWK Terrace, B.C. 40 CBY Corner Brook, Nfid. 10,000 | CBAR Canso. N.S. 40 | CKBG Bagotville, P.Q. 40 CKBR Brooks, Alta. 1,000d 250n |
| CHRC Quebec, Que. 50,000 CJAD Montreal, Que. 50,000d 10,000n | 1000-299.8 | CBPB Jasper National Park, Alta. 0.1 | CKCR Revelstoke B.C. 1,000d |
| CJBQ Belleville, Ont. 10,000 CJJC Langley, B.C. 10,000 | CKBW Bridgewater, N.S. 10,000 | CBPD Glacier National Park, B.C. 0.1 CBQO Franklin, N.W.T. 40 | CKGF Grand Forks, B.C. 1,000d 250n |
| CKOK Penticton, B.C. 10,000d 500n | 1010-296.9 | CFLN Goose Bay, Labrador, Nfld. 1,000d | CKMA Mont-Apica, P.Q. 40 CRMC Maniwaki, Que. 1,000r |
| CKLW Windsor, Ont. 50,000 VOWR St. John's, Nfld. 1,000 | CBR Calgary, Alta. 50,000 CFRB Toronto, Ont. 50,000 | 250n | CKOX Woodstock, Unt. 1,000d |
| 810—370.2 | 1050—285.5 | 1240—241.8 | CKVT Temiscaminque, Que. 250 |
| CHQR Caigary, Alta. 10,000 | CFGP Grande Prairie, Alta. | CBLP Espanola, Ont. 40 CFEK Fernie, B.C. 1,000d 250n | |
| 820-365.6 | CHUM Toronto, Ont. 50,000 CJIC Sault Ste. Marie, Ont. | CFLM La Tuque, Que. 1,000d 250n | 1350-222.1 CHOV Pembroke, Ont. 1,000 |
| CFRU Guelph, Ont 20 | 10,000d 2,500n CJNB North Battleford, Sask. | CFLS Levis, Que. 250 CFVR Abbotsford, B.C. 1,000d | CJCR Gander, Nfld. 1,000 CJDC Dawson Creek, B.C. 1,000 |
| 850-352.7 CKRD Red Deer, Alta. 10,000d | CKSB St. Boniface, Man. 10,000 | CJAF Cabano, Que. 1,000d 250n | CJLM Joliette, Que. 10,000d |
| CKVL Verdun, Que. 50,000d | 1060—282.8 | CJAR The Pas, Man. 1,000d 500n CJAV Port Alberni, B.C. 1,000d | CKAD Middleton, N.S. 1,000 CKLB Oshawa, Ont. 10,000d 5,000n |
| 10,000n | CFCN Calgary, Aita. 50,000 CJRP Quebec, Que. 50,000d | CJCS Stratford, Ont. 250n | 1360—220.4 |
| 860-348.6 CBH Halifax, N.S. 10,000 | 10,000n | CJMD Chibougamau, Que. 1,000d | CJVL Ste-Marie de Beauce, P.Q. 10,000d |
| CBK Z Cleanwater, B.C. 40 CBWA Asheroft, B.C. 40 | 1070—280.2 CBA Moneton, N.B. 50,000 | CJRW Summerside, P.E.I. 250 CJWA Wawa, Ont. 1,000d | 5,000n CKBC Bathurst, N.B. 10,000 |
| CFNS Saskatoon, Sask. 10,000 CFPR Prince Rupert, B.C. 10,000 | CBA Moneton, N.B. 50,000 CFAX Victoria, B.C. 10,000 CHOK Sarnia, Ont, 10,000 | CKBS St-Hyacinth, P.Q. 250 | 1370—218.8 |
| CHAK Inuvik, N.W.T. 1,000 CJBC Toronto, Ont. 50,000 | 1080—277.6 | CKIM Bale-Verte, Nfld. 40 500n | CFLV Valleyfleid, Que. 10,000d - 5,000n |
| 900—333.1 | CKSA Lioydminster, Alta, 10,000 | CKBX 100 Mile House, B.C. 1000r CKLS La Sarre, Que. 1,000d | CFOK Westlock, Alta. 10.000 CHPQ Parksville, B.C. 1,000 |
| CBOJ Geraldton, Ont. 40 CBWD Donald Station, B.C. 40 CFBR Sudbury, Ont. 10,000d | 1090—275.1 CHEC Lethbridge, Alta. 5,000 | CKMK Mackenzie, B.C. 1,000d | 1380—217.3 |
| 1.000n | CHRS St. Jean. Que. 10,000d | CKOO Osoyoos, B.C. 1,000d | CFDA Victoriaville, Que. 1,000 CKLC Kingston, Ont. 10,000d |
| CJBR Rimouski Que. 10,000 CJVI/Victoria, B.C. 10,000 | 1110-272.6 CBD Saint John, N.B. 10,000 | 250n | CKPC Brantford, Ont. \ 10,000 |
| CKBI Prince Albert, Sask. 10,000 CKDR Dryden Ont. 1,000d 250n | CJBC-10 Matachewan, Ont. 40 CJBC-12 Wawa, Ont. 40 | 1250—239.9 CBGA Matane, Que. 10.000d | 1390-215.7 |
| CKDH Amherst, N.S. 1,000 CKTS Sherbrooke, Que. 10,000 | CFTJ Galt, Ont. 250d CHQT Edmonton, Alta. 10,000 | CBOF Ottawa, Ont. 10,000 CHWO Oakville, Ont. 10,000d | CHOO Ajax, Ont. 10,000 CKKC Nelson, B.C. 1,000 |
| CKVD Val D'Or, Que. 10,000d 2,500n | 1130—265.3 CKWX Vancouver, B.C. 50,000 | CHSM Steinbach, Man. 10,000 | 1400—214.2 |
| CJEN St-Jerome, P.Q. 1,000 | CKWX Vancouver, B.C. 50,000 | CKJD Sarnia, Ont, 1,000 CKOM Saskatoon, Sask, 10,000 | CBOD Maynooth, Ont. 40 CFLD Burns Lake, B.C. 250 |
| 910-329.5 CBO Ottawa, Ont. 5,000 | CITR Trois-Rivieres, Que. 10,000 | 1260—238.0 | CHNL-I Clearwater, B.C. 1.000d 250n CJFP Rivière du Loup, Que. |
| CFJC Kamloops, B.C. 10,000d | CBI Sydney, N.S. 10,000 CKXL Calgary, Alta. 10,000 | CFRN Edmonton, Alta. 50,000 | 10,000d 250n |
| CFSX Stephenville, Nfld. 500 CHRL Roberval, Que. 10,000d 2,500n | 1150-260.7 CHSJ Saint John, N.B. 10,000d | 1270—263.1 CBGD Murdochville, Que. 40 | CINL Princeton, B.C. 1,000d 250n CKCB Collingwood, Ont. 1000r |
| CJDV Drumheller, Alta. 5,000 CKLY Lindsay, Ont. 10,000d | 5,000n CIRC Ottowa, Ont. 50,000d | CBGD Murdochville, Que. 40 GFGT Alma, P.Q. 1,000 5,000n | CKCB Collingwood, Ont. 1000r CKFL Lac Megantic, Que. 1,000d 250n |
| 5,000n | CKIQ Kelowna, B.C. 10,000d | CHAT Medicine Hat, Alberta 10,000 | CKGR Golden, B.C. 1000d 250n |
| 920-326.9 CBO Ottawa, Ont. 50,000 | CKX Brandon, Man. 10,000 | CHWK Chilliwack, B.C. 10,000 CJCB Sydney, N.S. 10,000 | CKOB Renfrew, Ont. 250 CKRN Rouyn, Que. 1,000d 250n |
| CBQE Fort Good Hope, N.W.T. 40 CBQU Fort Goodhope, N.W.T. 40 | 1160-258.5 CBQR Rankin Inlet, N.W.T. 40 | /1280—234.2 | CKRV Drummondville, P.Q. 250d |
| CFRY Portage La Prairie, Man. 10,000 | 1170—256.3 | CHAM Hamilton, Ont. 10,000 CHQB Powell River, B.C. 1,000 CJMS Montreal, Que. 50,000 | CKSJ St. Jovite, Que. 250 CKSW Swift Current, Sask. 1,000d 250n |
| CJCH Hallfax, N.S. 10,000d 5,000n | CFML Cornwall, Ont. 10,000 CFNS Saskatoon, Sask. 1.000 | CJSL Estevan, Sask. 1,000 CKCV Quebec, Que. 10,000d | |
| CJCJ Woodstock, N.B. 1,000 CKCQ Quesnel B.C. 1,000 CKCY Sault Ste. Marie, Ont. | CKGY Red Deer, Alta. 10,000d | 5,000n | 1410—212.6 CFMB Montreal, Que. 10.000 |
| 10,000d 5,000n | 1190—252.0 | 1290—232.4 CHRM Matane, Que, 10,000 | CFUN Vancouver, B.C. 50,000 CKSL London, Ont. 10,000 CIGO Port Hawkesbury, N.S. |
| CKNX Wingham, Ont. 10,000d | CFSL Weyburn, Sask. 10,000d 5,000n | CJBK London, Gnt. 10.000 | 10,000 |
| 930—322.4 | CJMR Mississauga, Ont. 10,000d | 1300-230.6 CBAF Moneton, N.B. 5.000 | 1420-211.1 CJMT Chicoutimi, P.Q. 10,000d |
| CFBC Saint John, N.B. 10,000d 5,000n | CFFB Frobisher Bay, N.W.T. 250 | CJME, Regina, Sask. 1,000 | 2.500n |
| CJCA Edmonton, Alberta. 10,000d 5,000n CJON St. John's, Nfld. 25,000 | 1220-245.8 | 1310—228.9 CFGM Richmond Hill, Ont. | CJVR Melfort, Sask. 10,000 CKDY Digby, N.S. 1,000 CKPT Peterborough. Ont. 5,000 CKTL Plessisville, Que. 1,000d |
| 940-319.0 | CFBV Smithers, B.C. 1,000d 250n | CHGB La Posatiere, Que. 10,000d | CRIL Pleasassyllie, Que. 1,000 |
| CBM Montreal, Que. 50,000 CJGX Yorkton, Sask. 10,000 CJIB Vernon, B.C. 10,000 | CFGN Port-aux-Basques, Nfld, 250 CFGR Gravelbourg, Sask. 250n | CIOK St. Paul. Alta. 10,000 CKOY Ottawa, Ont. 50,000 | 1430-209.7 CKFH Toronto, Ont. 50,000 |
| CJIB Vernon, B.C. 10,000 | CFLK Kapuskasing, Ont. 100 CFPA Thunder Bay, Ont. 1,000d | 1320—227.1 | 3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 950—315.6 | CHFC Churchill, Man. 250n | CHQM Vancouver, B.C. 50.000 | 1440-208.2 CFCP Courtenay, B.C. 1,000 |
| CFAM Aitona, Man. 10,000 CKBB Barrie, Ont. 10,000d 2,500n | CHSC St. Catharines, Ont. 1,000d 500n CHVD Dolbeau, P.Q. 10,000d | CKEC New Glasgow, N.S. 5,000 | CFGO Ottowa, Ont. 10,000 CJOI Cetaskiwin, Alta. 1,000 |
| CKNB Campbeliton, N.B. 10,000d 1,000n | CJNL Merrit, B.C. 1,000d | CKKW Kitchener, Ont. 1,000 | 1450 204.0 |
| CHER Sydney, N.S. 10,000 | CJOC Lethbridge, Alta, 10,000d CJOK Fort McMurray, Alta, 1,000d | 1330—225.4 CKKR Rosetown, Sask. 10,000 | 1450-206.8 CBG Gander, Nfid. 250 CBPF Cape Breton, Highlands |
| 960-312.3 CFAC Calgary, Alta. 50,000 | CJRB Boissevain, Man. 10,000d | 1340—223.7 | CHEF Grandby, Que. 10,000 |
| CFAC Calgary, Alta. 50,000 CHNS Halifax, N.S. 10,000 CKWS Kingston, Ont. 10,000d | CJSS Cornwall, Ontario 1,000 | CBGN Ste Anne-des-Monts, | CHRT St. Eleuthere, Que, 250 |
| 5,000n 970—309.1 | CJRL Kenora, Ont, 1,000 CJSA Ste-Agathe-des-Monts, P.Q. 1,000d | CFFD Chanals, Que. 250 | CFAB Windsor, N.S. 250 CFAO Armstrong, Ont. 50 CFJR Brockville, Ont. 1000r |
| CBZ Fredericton, N.B. 10,000 | 250n CJTT New Liskeard, Ont. 1,000d | CFGB Happy Valley, Nfld. 1,000 CFKC Creston, B.C. 250 CFLH Hearst, Ont. 1,000d | CHCL Cold Lake, Alta. 40 CFJR Brockville, Ont. 1,000d |
| CJYR Edson, Alta. 10,000 CKCH Hull, Que. 5,000 | 250n | CFI W Wabush, Labrador, Nfld. | CHUC Cobourg, Ont. 1,000 CHAP Long Lae, Ont 40 |
| 980-305.9 CBV Quebec, Que. 5,000 | CKDA Victoria, B.C. 50,000 CKCW Moncton, N.B. 10,000 CKLD Thetford Mines, P.Q. 1,000 | CFOM VIIIe Vanter, Que. 250 CFYK Yellowknife. N.W.T. I,000 CHAD Amos, Que. 1,000 | CHMO Moosone, Ont. 50 CJBM Causapseal, Qué. 1,000d |
| CFPL London, Ontario 10,000d 5,000n | CKMP Midland, Ont, 1,000d 250n | 25011 | CHMO Moosonee, Ont. 250n |
| CHEX Peterborough, Ont. 10,000d 5,000n CKGM Montreal, Que, 10,000 | CKSM Shawinigan, Que. 10,000d 2,500n | CHAR Alert, N.W.T. 40 CIVH Vanderhoof, B.C. 1.000d | CHUC Cobourg, Ont. 1,000 CKSP Summerland, B.C. 1,000d 250n |
| CKGM Montreal, Que. 10,000 CKNW New Westminster, B.C. 50.000 | CKQR Castlegar, B.C. 1,000d | CJAN Asbestos. Que. 1,000d | CKYR Jasper, Alta. 100 |
| | | COMMUNIC | PATIONS WORLD/Fall-Winter |

| Call Locatio | | | PIAN AM STATIONS | BY FREQUENCY |
|---|---|---|--|---|
| 1460—205.4 CJOY Guelph, Ont CKRB Ville St. G 1470—204.0 CFOX Pointe Clair CFRW Winnipeg, CHOW Welland, 0 CJVB Vancouver, 1 1480—202.6 CHRD Drummondvi | 10,000d 5,000n eorges, Que, 10,000d 5,000n e. Que. 10,000d 5,000n Man. 10,000 nt. 1,000d B.C. 10,000 | Call Location Power 1490—201.2 CBNN Hopedale, Labr, Nfid. 40 CBPA Jasper National Park, Alta. 0.1 CBPC Glacier National Park, B.C. 0.1 CBPE Cape Breton, Highlands CFHG Hobberg, B.C. 25 CFMC Fort Simpson, N.W.T. 25 CFMC Cross Lake, Man. 25 CFMC Kingston, Ont. 100 CFWB Campbell River, B.C. 1,000d CJPR Biairmore, Alta. 1,000d CJSN Shaunavon, Sask. 1,000d 250n | Call Location Power CHAL St. Pamphile, Que. 1,000 CKBM Mantmagny, Que. 1,000d CKEN Kentville, N.S. 1,000d CKGO Hope, B.C. 250 CKLR L'Annoncation, P.Q. 1,000d 1500—199.9 CKAY Dunean, B.C. 5,000d 1,000n 1510—199.1 CJRS Sherbrooke, Que. 10,000 CKOT Tillsonburg, Ont. 1,000d 1540—195.0 CHIN Torento, Ont. 50,000 | Call Location Power 1550—193.5 CBE Windsor, Ont. 10,000 1570—191.1 CFOR Orillia, Ont. 10,000 CHUB Nanzimo, B.C. 10,000 CKLM Montreal, Que. 50,000 CKTA Taber, B.O. 5,000 1580—189.2 CBJ Chicoutimi, Que. 10,000 1600—187.5 CHIB Chibougamau, P.Q. 40 CHNR Simcoe, Ont. 10,000 |
| | CAN | ADIAN AM STAT | IONS BY LOCAT | TION · |
| Location | Call kHz | Location Call kHz | Location Call kHz | Location Call kHz |
| Abbotsford, B.C. Ajax, Ont. | CFVR 1240 CHOO 1390 | Fredericton, N.B. CBZ 970 CFNB 550 | CBM 940 | CHRI 1150 |

| CHRD Drummondville, Que. 10,000 | 250n CJSN Shaunavon, Sask. 1,000d 250n | 1540-195.0 CHIN Torento, Ont. 50,000 | 1600-187.5 CHIB Chibougamau, P.Q. 40 CHNR Simeoe, Ont. 10,000 |
|--|--|--|--|
| CAN | ' IADIAN AM STAT | IONS BY LOCA | TION |
| Location Call kHz | Location Call kHz | I | - |
| Abbotsford, B.C. CFVR 1240 | Frederleton, N.B. CBZ 970 CFNB 550 CFNB 750 CHSR 710 Frobisher Bay, N.W.T. CFFB 1210 Galt, Ont. CFFJ 1110 Gander, Nfld. CBG 1450 Garafer National Park, B.C. CBPD 1230 Golden, B.C. CBPD 1230 Golden, B.C. CKGR 1440 Goose Bay, Labrador, Nfld. CFLN 1230 Grand Bank, Nfld. CJOX 610 Grand Falls, Nfld. CJOX 610 Grand Falls, Nfld. CBT 540 Grand Bank, Nfld. CJOX 610 Grand Forks, B.C. CKGR 1340 Grandy, Que. CKGR 1340 Grand Forks, B.C. CKGR 1340 CKCM 1250 CKGR 1340 CKGR 1350 CKGR 1350 Japper National Park, Alta. CBPA 1490 Hull, Que. CKRS 390 Kamloops, B.C. CFIL 610 Kamloops, B.C. CKRS 590 Kenora, Out CKS 300 CBM 940 CFG 800 CFMB 3410 CFG 800 CFMB 3410 CFMB 800 CJMS 250 CKAC 730 CKAC 730 CKAC 730 CKGM 800 CKGM | Location |
| Collingwood, Name. Collingwood, Name. Collingwood, Name. Corner Brook, Name. Corner Br | Kentville, N.S. CKEN 1460 | Princeon, B.C. CHTK 380 Princeon, B.C. CNL 1400 Quebes, Que. CBV 980 CHRC 860 CKCV 1280 Quesnel, B.C. CKCQ 920 Rankin Inlet, N.W.T. CROR 1180 Red Deer. Alta. CKRD 850 CKGV 1270 Regina, Sask. CKRD 850 CKGV 170 Regina, Sask. CKK 820 CKKK 620 CKRM 980 CKCK 620 CKRM 980 Renfrew, Ont. CKOB 1400 CKCK 620 CKRM 980 Renfrew, Ont. CKRM 1310 Revelstoke, B.C. CKGR 1340 Rimouski, Que. CKRM 1310 Rimouski, Que. CHR 1910 Rosetown, Sask. CKKR 1330 Ret Ann-des Monts, Que. Ste Ann-des Monts, Que. Ste Ann-des Monts, Que. Ste Ann-des Monts, Que. Ste Ann-des Monts, Que. Ste Ann-des Monts, Que. Ste Ann-des Monts, Que. Ste Marle de Beauce, P.Q. CJSA 1230 Ste Ann-des Monts, Que. St. Boniface, Man. CKSB 1050 St. Catharines, Ont. CHBC 1220 St. Hyaeinthe, Que. CKBN 1240 St. Jean, Que. CKBN 1240 St. Jean, Que. CKBN 1250 St. Jean, Que. CKBN 1240 St. Jean, Que. CKBN 1250 St. Jowits, Que. CKBN 1230 VOCM 930 VOCM 930 St. Jowite, Que. CKBN 1350 St. Jovite, Que. CKBN 1350 St. Paughlie, Que. CKBN 1350 St. Paughlie, Que. CKBN 1350 St. Paughlie, Que. CKBN 1350 St. Thomas, Ont. CHBC 1350 St. Thomas, Ont. CHBC 1350 St. Thomas, Ont. CHBC 1350 CKBC 1330 | Truro, N.S. Truro, N.S. Tuktoyaktuk, N.W.T. CFT 600 Val d' Or, Que. Valeyfield, Que, Valeyfield, Que, CBU 900 CBU 900 CBU 1470 CB |

CANADIAN AM STATIONS BY CALL LETTERS

| Call Location | kHz | Call Location | kHz C | Call | Location | kHz | Call | Location | kHz |
|--|---|--|--|--|---|--|---|--|---|
| Canadian Broadcasting Corporation Stations CBA Monston, N.B. CBAR Canso, N.S. CBAR Canso, N.S. CBD Saint John, N.B. CBE Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEF Windsor, Ont. CBEG Mattain Que. CBC Que Grandfon. CBC Glacier National Park. Alta. CBC Glacier National Park. Alta. CBC Glacier National Park. CBC Grandfalls. N.S. CBC CBC Quebec Que. CBW Winnipeg. Man. CBC Amstrong. Man. CBC CBC Winnipeg. Man. CBC CBC CBC CBC CCBC CCBC CCCCCCCCCCCC | 1070 1300 1230 1230 1210 1550 690 1450 1250 1270 710 1340 860 1250 1270 1340 860 740 1240 640 6740 1240 640 1240 640 1240 1250 900 1440 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1490 1230 1230 1490 1230 1490 1230 1230 1240 1250 980 990 990 990 990 990 990 990 990 99 | CFLS Levis, Que. CFLV Valleyfield, Que. CFLW Labrador, Nfld. CFMB Montreal, Que. CFML Cornwall, Ont. CFMR Fort Simpson, N.W.T CFMR Fort Simpson, N.W.T CFMR Fort Simpson, N.W.T CFNB Fredericton, N.B. CFNC Cross Lake, Man. CFNL Fort Nelson, B.C. Studios at Station CKNL, Fort St. John, B.C. CFNS Cornerbrook, Nfld. CFOR Westlock, Alta. CFOM Wille Vanier, Que. CFOR Orillia, Ont. CFOK Westlock, Alta. CFOM Ville Vanier, Que. CFOR Orillia, Ont. CFOR Orillia, Ont. CFOX Pointe Claire, Que. CFPA Thunder Bay, Ont. CFCX Pointe Claire, Que. CFPA Thunder Bay, Ont. CFPR Prince Rupert, B.C. CFC Saskatoon, Sask. CFRA Ottawa, Ont. CFPL London, Ont. CFPL Condon, Ont. CFPC Caskatoon, Sask. CFRA Ottawa, Ont. CFPC Caskatoon, Sask. CFRA Ottawa, Ont. CFRG Gravelbourg, Sask. CFRN Edmonton, Alta. CFRU Guelph, Ont. CFRG Gravelbourg, Sask. CFRN Edmonton, Alta. CFRU Winnipeg, Man, CFRY Portage la Prairle, Ms. CFSX Stephenville, Nfd. CFTX Toronto, Ont. CFTK Terrace, B.C. CFVR Abbotsford, B.C. CFVR Abbotsford, B.C. CFVR Abmose Jaw. Sask. CHAD Amose Jaw. Sask. CHAD Amore Coll Lake, Alta. CHCE CGTanby, Que. CHAR Marystown, Nfld. CHEG Edmonton, Alta. CHEG Granby, Gue. CHER Sydney, N.S. CHEX Petersborough, Ont. CHAR Alentiton, Ont. CHER Sydney, N.S. CHEX Petersborough, Ont. CHER Edmonton, Ont. CHER Edmonton, Alta. CHEG Granby, Que. CHEN Stories Gue. CHER Sydney, N.S. CHEY Petersborough, Ont. CHER Conventill, Man. CHEG Caspung, Ont. CHER Conventill, Man. CHEG Caspung, Ont. CHEG Lempnton, Ont. CHER Sydney, N.S. CHEY Petersborough, Ont. CHER Maniton, Ont. CHER Conventill, Man. CHEG Caspung, Ont. CHER Demonton, Alta. CHEG CRAIL, Ont. CHEG CASC. CHEG CC. CHEG. | 1240 1370 1490 1410 1410 1410 1410 1410 1490 1550 1490 1550 180 160 180 180 180 180 180 180 180 180 180 18 | R 7PO GP S 2V VM GV ATT PTILL LOUBER S S DIE BES RAVY S LIFELY Y FRANCIA FRANC | eamington, Ont, Leamington, Ont, Leamington, Ont, ort Hawkesbury, N.S harlottetown, P.E.Iinceton, B.C. t. Paul, Alta. nacouver, B.C. anderhoof, B.C. lontreal, Que. abano, Que, vindsor, Ont. sbestos, Que. te Pas, Man. rail, B.C. ort Alberni, B.C. oronto, Ont. 3 Wayney, N.S. delieville, Ont. ausaspeal. Que., wi- at Rimouski, Que. dmonton, Alta. ydney, N.S. lailfax, N.S. lailfax, N.S. lailfax, N.S. lailfax, N.S. lailfax, N.S. codstock, N.B. rand Falis, Nfld. ander, Nfld. ratford, Ont. sussex, N.B. Codstock, N.B. rand Falis, Nfld. ander, Nfld. ratford, Ont. lussex, N.B. Codstock, N.B. clarene, P.Q. dmonton, Alta. ydney, N.S. clarene, P.Q. rumbeller Alta. t. Jerome, P.Q. dmonton, Sask. N. H. sussex, N.B. crists, Marie, Ont. nitgonish, N.S. crists, Marie, Ont. livière-du-Loup, Que. nitgonish, N.S. crists, Marie, Ont. lorene, P.Q. samouth, N.S. serion, Sask. Neritt, B.C. 3lind River, Ont. Morritt, B.C. Stewan, Sask, Sorei, Que, Stewan, Sask, Shaunavon, Sask, Morritt, Sask, Wawa, Ont. Estevan, Sask, Morrite, Sask, Wawa, Ont. Durcia, B.C. Stewan, Sask, Shaunavon, Sask, Shaunavo | 710 730 730 730 730 730 730 730 730 730 73 | LMNRUQVYYAHMRYCKRYHLABRIMOR. YMQDCRWBCOOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOCOC | Truro, N.S. Grand Fails, Nfid. Sept-Iles, Que. Sealmon Arm, B.C. Ottawa, Ont. Quesnei, B.C. Quesnei, B.C. Quesnei, B.C. Quesnei, B.C. Amherst, N.S. Sautt Ste. Marie, Victoria, B.C. Amherst, N.S. Dauphin, Man. Dryden, Ont. Digby, N.S. New Glasgow, N.S. Cranbrook, B.C. Kentville, N.S. Toronto, Ont. Seamla, Ont. Kelowna, B.C. Red Deer, Alta. Baie Verte, Nfid. Kelowna, B.C. Sarnia, Ont. Kitchener, Ont. Oshawa, Ont. Kitchener, Ont. Oshawa, Ont. Kitchener, Ont. Oshawa, Ont. Kitchener, Ont. Oshawa, Ont. Thetford Mines, Que Vindear, Que. Maniwaki, Que. Thunder Bay, Ont. Hamilton, Ont. Penticton, B.C. Saskatoen, Sask. Osoyoos, B.C. Tillsonburg, Ont. Hamilton, Ont. Penticton, B.C. Saskatoen, Sask. Osoyoos, B.C. Tillsonburg, Ont. Penticton, Ont. Penticton, Ont. Penticton, Ont. Primee George, B.(Thunder Bay, Ont. Kelowna, B.C. Woodstock, Ont. Ottawa, Ont. Brantford, Ont. Primee George, B.(Thunder Bay, Ont. Castlegar, B.C. Beauce, Que. Ville-Marle, Que. Drummondville, P. Loydminster, Alta. Saint-Boniface, M St. Jovite, Que. Drummondville, P.Q. Sebroroke, Que. Ville-Marle, Que. Ville-Mar | 000 620 560 620 620 620 620 620 620 620 620 620 6 |
| Nfid. CFGO Ottowa, Ont. CFGP Grande Prairie, Alta. CFGR Gravelbourg. Sask. | 1440 1050 1230 1270 1490 910 1450 | CHRT Riviere du Loup, et CHSC Ct. Catharines, Ont. CHSJ Saint John. N.B. CHSM Altona, Man. CHSR Frederleton, N.B. CHTK Prince Rupert. B.C. CHTM Thompson, Man. | 1220 1150 1150 2250 710 . 560 610 | CKAR- CKAY CKBBC CKBBC CKBBC CKBBS CKBS CKBS CKCH | -I Parry Sound, Ont. Duncan, B.C. Barrie, Ont. Bathurst, N.B. Prince Albert, Sask. Montmagny, Que. Brooks, Alta. Bagotville, P.S. St. Hyaeinthe, Que. Bridgewater, N.S. 100 Mile House. | 1360 900 1490 1340 | CKVU CKWY CKWY CKWY CKXL CKXL CKYL CKYL CKYL CCYAR VOCM | Ville-Marie, Que. Willie-Marie, Que. Williams Lake, I Kingston, Ont. Windson Ont. | B.C. 570 960 580 |
| C | ANA | ADIAN FM S | STATIO | ON: | | CAT | ION | | MHz |
| Location Call | MHz | | | B.C | . CFWL-FM | | | t Timothy, B.C. CFFM-F | M.5 99.7 |
| Baker Lake, N.W.T. Belleville, Ont. Big Trout Lake, Ont. Bonnington, B.C. CHU.F.M. Brandton, Ont. CHU.F.M. Brandton, Man. CKX.F.M. Brandtord, Ont. CKY.F.M. Calgary, Alta. CHFM.F.M. Chicoutimi, Que. CBJ.F.M. CBU.F.M. C | M 97.1 M 100.3 M 92.3 M 102.1 M 96.1 M 92.1 M 95.9 M 103.1 M 100.9 M 100.9 | CFFM-FM Cornwail, Ontario CISS-F Dawson Creek, B.C. CBKQ-F Deer Lake, Nfld. CFDL-F Drummondville, Que CFDM-F Edmonton, Alta. CFRN-F CICA-F CUA-F Guelph, Ont. CIOY-F Hallfax, N.S. CHFX-F Hamilton, Ont. CKDS-F Huil, Que | FM 104.5 FM 93.7 FM 104.3 FM 100.3 FM 99.5 FM 98.1 FM 106.1 FM 106.1 FM 106.1 FM 106.1 FM 96.1 | Kamic Kelow Kentv Kings Kitch Kitim La Po | na, B.C. CJOV-Fille, N.S. CKWM-Fton, Ont. CFRC-FCKWS-Fener, Ont. CFCA-Fat, B.C. CBUK-Focatiere, Que. CFGL-Fridge, Alberta CHEC-F | M 104.7 M 97.7 M 91.9 M 98.3 M 96.3 M 96.7 M 98.7 M 101.1 FM 102.9 FM 105.7 | Monti New North | ceai, Que. CBF. CBM. CFQR. CHOM. CINQ. CJFM. CJFM. Westminster, B.C. CFMI BBAY, Ont. CKAT wa. Ont. CKAT | -FM 95.1 -FM 92.5 -FM 92.7 -FM 99.3 -FM 94.3 -FM 94.3 -FM 93.7 -FM 94.9 -FM 103.3 -FM 103.3 -FM 103.3 |
| Churchill Falls, Lab. Nfld. CFLC-Fi Ctearwater, B.C. | | iles de la Madeleine, Que. CBIM-F Invermere, | | Londo Mania Merri | on, Ont. CFPL-I waki, Que. CBFL-I tt, B.C. CFFM-FN | M 98.9 I-3 103.9 | Ali | River, | -FM 93.9 |

CANADIAN FM STATIONS BY LOCATION

| Location · Call MHz | Location Call MHz | Location Call MHz | Location Call MHz |
|--|---|--|---|
| Penticton, B.C. CKOK-FM 97.1 Peterborough, Ont. Quebec, P.Q. CHEX-FM 101.5 CHRC-FM 98.1 CKRL-FM 98.1 Red Deer, Alberta Regina, Sask. CFMC-FM 98.5 Rimouski, Que, CIBR-FM 101.5 Saint John, N.B. CFBC-FM 98.9 Saskatoon, Sask. CFMC-FM 103.9 | CJUS-FM 89.7 Sault Ste. Marle, Ont. CJIC-FM 100.5 CKCY-FM 104.3 Savona, B.C. CFFM-FM-1 101.9 Sherbrooke, Que. CHLI-FM 102.7 Smiths Falls, Ont. CJET-FM 101.1 St. Andrews, N/1d. CFVC-FM 97.7 St. Anthony, Nfid. CFNN-FM 97.9 St. Catharines, Ont. CKYB-FM 97.7 Sudbury, Ont. CKSU-FM 92.7 | Sydney, N.S. Thompson, Man. CJCB-FM 94.9 CBTF-FM 99.9 Thunder Bay, Ont. Tillsonburg, Ont. CKOT-FM 100.5 Timmins, Ont. CKGB-FM 94.1 CKGB-FM 94.1 CHIN-FM 100.7 CHUM-FM 100.7 CHUM-FM 104.5 CJRT-FM 91.1 CKFM-FM 99.9 Trail, B.C. CJAT-FM 106.7 | Trure, N.S. Vaneouver, B.C. CKCL-FM 100.9 CBU-FM 105.7 CHQM-FM 103.5 CKLG-FM 99.3 Verdun, Que. Victoria, B.C. CJOM-FM 88.7 CKLW-FM 93.9 Winnipeg, Man. CRW-FM 94.3 CFRW-FM 94.3 CKY-FM 92.1 |

CANADIAN FM STATIONS BY CALL LETTERS

| OANAL | | 101 317 | 71101 | 10 D I | CALL | | | . . | |
|---|--|--|--|--|---|--|--|---|---|
| Call Location MHz | Call | Location | MHz | Call | Location | MHz | Call | Location | MHz |
| Canadian Broadcasting Corporation Stations P.E.I. 103.1 CBF-FM Montreal, Que. 100.7 CBFL-FM Manivaki Que. 98.9 CBHM-FM Riehibueto, N.B. 98.5 CBIM-FM Riehibueto, N.B. 98.5 CBIM-FM Riehibueto, N.B. 100.9 CBJ-FM Chieoutimi, P.Q. 100.9 CBJ-FM Chieoutimi, Que. 107.9 CBKQ-FM Dawson Creek, B.C. 93.7 CBL-FM Toronto, Ont. 94.1 CBM-FM Montreal, Que. 95.1 CBO-FM Ottawa, Ont. 103.3 CBJ-FM Ottawa, Ont. 103.3 CBJ-FM Thompson, Man. 99.9 CBJ-FM Thompson, Man. 99.9 CBJ-FM Thompson, Man. 99.9 | CFFM-F Rebros of Sta Kamlo CFFM-F Rebros of Sta Kamle CFFM-F Rebros of Sta Kamle CFFM-F Rebros of Sta Kamle CFFM-F Rebros of Sta | FM-1 Savona, B adcasting the protion CFFM-FM, ops. B.C. "M-2 Clearwater too as B.C. "M-3 Merritt, B adcasting the protion CFFM-FM, ops. B.C. "M-4 Clinton, B adcasting the protion CFFM-FM, ops. B.C. "M-4 Clinton, B adcasting the protion CFFM-FM, ops. B.C. "M-5 Mount Time." | .C., grams 92.7 .C., grams .C., grams .C., for gram | CFRN-FM CFRW-FM Ont. Ort. CFWL-FM Programs CHFM-F Calgary, CHEC-FM CHFX-FM CHFX-FM CHFS-FM CHGB-FM CHGB-FM | Edmonton, Alta. Winnipeg 2, Ms Big Trout Lake, - I Invermere, B.t. originating from M studios at | 100.3 100.3 100.3 107.1 1, 100.9 101.5 98.1 95.9 96.1 10.5 | CJOV-FM CJOY-FM CJOY-FM CJUS-FM CKAT-FM CKAT-FM CKCH-FM CKCY-FM Ont. CKCY-FM CKGB-FM CKCL-FM CKCGB-FM CKCL-FM CKLG-FM CKLG-FM | Kelowna, B.C. Guelph, Ont. Toronto, Ont. Cornwall, Ont. Saskatoon, Sask. North Bay, Ont. Ottowa, Ont. Hull, Quebee Truro, N.S. Sault Ste. Marie, Hamilton, Ont. Toronto, Ont. Timmins, Ont Vancouver, B.C. Windsor, Ont. | 104.7 106.1 91.1 104.5 89.7 93.7 105.9 100.9 104.3 95.3 99.9 94.5 98.3 99.3 99.3 99.3 |
| CBUD-FM Bonnington, B.C. 92.3 CBUF-FM-I/Chilliwack, B.C. GBUF-FM-I/Chilliwack, B.C. 101.1 CBUF-FM Kitlmat, B.C. 101.1 CBV-FM Quebec, P.Q. 93.3 CBW-FM Winning, Man. 98.3 CBW-FM Winning, Man. 98.3 CBW-FM Saint John, N.B. 98.9 CFCA-FM Kitchener, Ont. 105.3 CFCA-FM St. Andrews, Nfld., Rebroadcasting the programs of Station CFGN, Port-Aux-Basques, Nfld. 97.7 CFDL-FM Der Lake, Nfld. Programs or Iginating from CFCB Studios at Corner Brook, Nfld. 97.9 CFDM-FM Drummondville, Que. 104.3 CFFM-FM Kamloops, B.C. 98.3 | FM.4. CFGL-F CFLC-F CFLC-F CFMC-F CFMC-F CFMC-F CFMS-F CFNN-F Rebrot of State Brooks | dcasting the pro- | 99.7 105.7 s, grams ush, 97.9 ask, 103.9 ster, 101.1 93.9 . 92.1 . 93.9 . 92.5 Nfld., 97.9 95.9 Que, 92.5 | CHOM-FM CHRC-FM CHRC-FM Quebec, CHSC-FM CHUM-FM CHYM-FM CINQ-FM CJBR-FM CJBR-FM CJCB-FM CJE-FM | Mestmount, Questmount, Questmouver, B.C Ste-Foy, Que. St. Catharines, Out. Kitchener, Ont. Montreal, P.Q. | ue. 97.7 . 103.5 98.1 01. 105.7 104.5 96.7 99.3 106.7 97.1 101.5 94.9 1. 101.1 | CKOK-FM CKOT-FM CKPR-FM CKQN-FM N.W.T. CKQN-FM CKRI-FM CKSO-FM CKVI-FM CKVI-FM CKWR-FM CKWS-FM CKWS-FM CKX-FM | Montreal, Que, Pentleton, B.C. Tillsonburg, Ont. Branfford, Ont. Port Arthur, Ont. Baker Lake, Oshawa, Ont. Reed Deer, Alta. Quebec, Que. Sudbury, Ont. St. Catharines, Edmonton, Alta. Verdun, Que. I Kentville, N.S. Kitchener, Ont. Strandon, Man. | 94.5 97.1 101.3 92.1 94.3 99.3 99.9 98.9 98.9 98.7 97.7 98.1 96.9 97.7 98.3 96.9 97.7 |
| | | | | | | | | | |

CANADIAN TV STATIONS BY LOCATION

| OAIN | DIAM IV SIA |
|---|---|
| Location Call Ch. | Location Call Ch. |
| Adams Hill, B.C. CFJC-TV-8 II Alexis Creek, B.C. CHIL-TV-1 8 Alma, Que. CKRS-TV-4 4 Alta Lake, B.C. CHWM-TV-1 7 Alticane, Sask. CKBI-TV-1 10 Antigonish, N.S. CJCB-TV-2 9 Argentia, Nfd. CJCX-TV-3 Ashcroft, B.C. CHAC-TV-2 | Campbellton, N.B. CBUT-9 82 Camp Woss, B.C. CFNV-TV-1 3 Canal Flats, B.C. CBUBT-1 12 Canning, N.S. CJCH-TV-1 10 Cance, B.C. CHBC-TV-8 6 Cance Mountain, Near Valemont, B.C. CFJC-TV-14 8 |
| CJAC-TV-2 5 Ashmont, Alta CFRN-TV-4 12 Athabasca, Alta. CBXT-1 8 Atikokan, Ont, CBWCT-1 7 Bale St. Paul, Que. CKRT-TV-1 2 Bale Verte, Nfld. CBNAT-1 8 Bancroft, Ont. CHEX-TV-1 4 CKGN-TV-2 2 | Cape Broyle, Nfid. CHCB-TV-1 Carleton, Que. CHAU-TV-2 Carleton, Que. CHAU-TV-5 Carlyle Lake, Sask. CFSS-TV-7 Cassiar, B.C. CBUET-7 Castlegar, B.C. CBUAT-2 Cathedral Point. B.C. CFSB-TV-3 Causapseal, Que. CBGAT-5 6 |
| Banff, Aita. CFAC-TV-2 13 CFCN-TV-2 8 CFCN-TV-2 8 CKRD-TV-2 10 Barrie, Ont. CKVR-TV 3 Bassano B.C. CFAC-TV-3 8 CFCN-TV-7 10 Battie River, Aita. CBXAT-6 9 | Cawston, B.C. CHKC-TV-3 8 Celista, B.C. CHBC-TV-6 3 Chandler, Que. CHAU-TV-4 7 Chapais, Que. CBFAT-1 11 Chapleau, P.Q. CBOFT-1 11 Chapleau, Ont. CFCL-TV-6 7 Charlottetown, P.E.I. CBCT 13 |
| Bay St. Lawrence, N.S. OJCB-TV-5 7 (DICB-TV-5 9 Bella Bella, B.C. CK01-TV-1 9 Bella Goola, B.C. CKVT-TV-2 1 Big River, Sask. CKB1-TV-5 9 Blue River, B.C. CFIC-TV-13 3 Bon Accord, N.B. CHSJ-TV-1 6 Bonavista, Nfld. CBYT-3 2 Bonnington, B.C. CBUDT 13 | Chase (Adams Hill) B.C. CHSH-TV-2 13 Chase (White Lake) B.C. CHSH-TV-1 7 Chersyille, B.C. CJWR-TV-1 7 Chertyville, B.C. CBIT-2 2 Chibougamau, Que, CBFAT 5 Chieoutimi, Que, CKFS-TV-2 2 |
| Bonnyville, Alta. CKSA-TV-2 9 Boss Mountain, B.C. CFIC-TV-16 7 Boston Bar, B.C. CIFC-TV-1 5 CIFC-TV-2 3 Bow Island, Alta. CHAT-TV-3 10 Bowen Island. B.C. \(\cap CBUT-4 \) 13 | Chililwack, B.C. CHAN-TV-1 11 Chinchaga, Alta. CPXAT-7 5 Churchill, Man. CHFC-TV 8 Churchill Falls, Nfld. CBSET-3 9 CBST-4 13 Clarenceville. |
| Brackendale, B.C. CHAN-TV-2 3 Bralorne, B.C. CFJC-TV-15 3 Brandon, Man. CKX-TV 5 CJAY-TV 4 Brooks, Alta. CFCN-TV-3 9 CJOC-TV-2 3 | Nider, B.C. CFIC-TV-6 10 Clearwater, B.C. CFIC-TV-10 2 Clinton, B.C. CFIC-TV-4 9 CHIS-TV-1 13 Clinton Creek, Y.T. CBDCT 8 Cloridorme, Que. CHAU-TV-8 6 Coleman, Alta. CJOC-TV-1 12 |
| Buchans, Nfid. CBNAT-2 13 Bullhead Mountain, B.C. CJDC-TV-2 8 Burmis, Aita. CFCN-TV-4 5 CJOC-TV-3 3 Burns Lake, B.C. CFTK-TV-3 4 Cabano, Que. CKRT-TV-4 5 | Colgate, Sask. CKCF-TV-1 8 CCGKCK-TV-1 12 CCGM-TV-1 12 CCGM-TV-1 4 CCGM-TV-1 4 CCGM-TV-1 4 CCGM-TV-1 5 CJWN-TV 10 |
| Cache Greek, B.C. CHAC-TV-1 2 CJAC-TV-1 0 Caledonia, N.S. CJCH-TV-8 6 Calgary, Alta. CFAC-TV 4 Campbell River, B.C. CBUT-8 3 | Cornwall, Ont. CJOH-TV-8 R Coronation, Alta CKRD-TV-1 10 Courtenay, B.C. CBUT-1 9 CHAN-TV-4 13 Cranbrook, B.C. CBUBT 5 Crawford Bay, B.C. CBUCT-1 5 Crescent Valley, B.C. CHMS-TV-1 5 |
| 144 11.11 | |

| Location | Call | Ch. |
|---|--|-------------|
| | . CBUT | 9 82 |
| Campbellton, N.B. | CKCD-T | V 7 |
| Campbellton, N.B. Camp Woss, B.C. Canal Flats, B.C. | CFNV-TV- | 1 3 |
| Canal Flats, B.C. Canning, N.S. | CBUBT- | 1 12 |
| Canna R C | CHBC-TV- | 8 6 |
| Cance, B.C. Cance Mountain, N | ear | |
| Valemont, B.C. | CFJC-TV-I | 4 8 |
| Cape Broyle, Nfld. | CHCB-TV- | 1 3 |
| | CION-TV | -2 13 |
| Carleton, Que. Carlyle Lake, Sask. Cassiar, B.C. Castlegar, B.C. | CHAU-T | V 5 |
| Carryle Lake, Sask. | CF8S-T CBUE | V 7 |
| Castlegar, B.C. | CBUAT | 2 3 |
| Cathedral Point, B | .C. | - • |
| | CFSB-TV- | 3 13 |
| Causapseal, Que. Causton, B.C. Celista, B.C. | CRCAT. | 5 6 |
| Cawston, B.C. | CHKC-TV- | 3 3 |
| Celista, B.C. | CHKC-TV- CHBC-TV- CHAU-TV- | 6 3 |
| Chandler, Que. Chapais. Que. | CBFAT- | 4 7 1 12 |
| Chapeau, P.Q. | CROFT | 111 |
| Chapleau, Ont. | CBOFT- CFCL-TV- | 6 7 |
| Charlottetown, P.E. | .I. CBC | T 13 |
| | KCW.TV. | 1 8 |
| Chase (Adams Hill |). B.C. HSH-TV- | |
| Chase (White Lake | SHRH-IA- | 2 13 |
| Chase (White Lake |), B.C. Chsh-tv- Cjwr-tv- | 1 7 |
| Cherryville, B.C. | CJWR-TV- | i 10 |
| Cheticamp, N.S. | CRMFT. | .4 10 |
| | CBIT- CBFA -CJPM-T | 2 2 T 5 |
| Chibougamau, Que. | CBFA | T 5 |
| Chicoutimi, Que. | CKBC TV. | V 6 2 2 |
| Chilliwack, B.C. | CKRS-TV- CHAN-TV- | ຳຳ |
| Chinchaga, Alta. | CPXAT- | 7 5 |
| Chinchaga, Alta. Churchill, Man. | CHFC-T | |
| Churchill Falls, Nf | | |
| | CBSET- | |
| Clarenceviile, | CBST- | 4 13 |
| Nfld. | CION-TV- | 6 (0 |
| Clearwater, B.C. C | CJON-TV- FJC-TV-(CFJC-TV- CHTS-TV- | 0 2 |
| Clinton, B.C. | CFJC-TV- | 4 9 |
| Clinton Creek, Y.T Cloridorme, Que. (Coleman, Alta | CHTS-TV- | 1 13 |
| Clinton Creek, Y.T | . CBDC | T 8 |
| Cioridorme, Que. (| HAU-IV- | 8 6 |
| | | |
| Colgate, Sask. C | CKCP-TV- | ່າ2ິ |
| Conche, Nfld. | CBNAT- | B 13 |
| Cormorant, Man. Corner Brook, Nfld. | CICM-TV- | 1 4 |
| Corner Brook, Nfld. | CBY | Γ 5 |
| Commett Ont | CJWN-T | Ă 10 |
| Cornwall, Ont. Coronation, Alta. (| CJOH-TV- | 8 R. |
| Courtenay, B.C. | CBUT- | 1 19 |
| ١ (| HAN-TV- | 4 13 |
| Cranbrook, B.C. | CBUBT | 59 |
| Crawford Bay, B.C. | CBUCT- | 1 5 |

| ON2 B | Y LOCA |
|--|--|
| Location | Call Ch. |
| Creston, B.C. Crimson Lake, | CBUCT-2 3 |
| Cross Lake, Man Dauphin (Baldy | CFMH-TV-(9 CBWNT 12 Mountain), |
| Cross Lake. Man Dauphin (Baidy Man. Dawson, Y.T. Dawson Creek. Deer Lake, Niid | CBWST A CBDDT 7 B.C. CIDC-TV 5 |
| Deseronto, Ont. Dingwall, N.S. | CJOH-TV-6 6 |
| Dingwall, N.S. Donald Station, Drumheller, Alt | B.C. CBUBT-8 8 |
| Dryden, Ont. | CFCN-TV-I 12 CFCN-TV-6 10 CBWDT 9 CBWJT 13 |
| Dryden, Ont. Ear Falls, Ont. Eastend, Sask. East Georgie, I | CJFB-TV-1 2 |
| Edmonton, Alta | CKHF-TV-1 9 CBXFT 11 CBXT 5 |
| Edmundston, N. Efflott Lake, O | nt. CBFST-3 12 |
| Eirose, Sask. | CKSO-TV-1 3 CKEL-TV-1 7 CKEL-TV-2 13 |
| Elsa, Y.T. Enderby, B.C. | CFEN-TV-1 4 |
| Espanola, Ont. | CFEN-TV-2 1 CHBC-TV-5 72 CBFST-4 1 CHGR-TV-1 7 |
| Exshaw, Alta. Faikland, B.C. Faro, Y.T. | CHGR-TV2 12 CFW8-TV-1 10 |
| Faro, V.I. Fermeuse, Nfld. Fermont, P.Q. Fernie, B.C. Fleld, B.C. | CBDBT 8 CBNT-5 11 CBST-5 7 |
| Fleid, B.C. | CBUBT-9 8 CFFY-TV-1 4 CFFY-TV-2 2 Man. CBWGT 10 CBWBT 10 |
| Film Fion, Man. Fogo Island, Nf | CBWBT 10 1d. CBNAT-6 2 Int. CBWCT 5 |
| Filn Flon, Man. Fogo Island, Nf Fort Frances, O Fort Fraser, B.6 Fort McMurray, Fort McPherson, | C. CKPG-TV-3 6 Alta, CBXT-6 8 |
| N.W.T. Fort Nelson, B. Fort Qu'Appelle | CHAK-TV.I IS |
| Fort Simpson, N | CKQV-TV-III |
| Fort Smith, N. Fort St. James, | CFJC-TV-(10 |
| | CKPG-TV-5 5 |

| 1 | | |
|--|---|--|
| ON | | |
| Location | Call Ch. | |
| Fort St. John, B.C. Fort Vermillon, | CFPV-TV-1 2 | |
| Alta. Fountain, B.C. Foxwarren, Man. | CBXAR-5 11 CFDF-TV-1 5 CKX-TV-1 11 | |
| Frobisher Day, N | .W.T. CFFB-TV 8 | |
| Fruitvale/ Montrose, B.C. Gaspe, Que, | CBUAT-3 9 CHAU-TV-6 10 CFGW-TV-1 6 | |
| Gaspe, Que. Gaspe West. Que. (Bechervaise Mour Geraldton, Ont. | rtain\ | |
| Geraldton, Ont Gillam, Man. Golden, B.C. Goose Bay, Nfid. Grand Bank, Nfid. | CBLAT 13 CBWLT 8 CBUBT-2 13 CFLA-TV 8 CJOX-TV-1 2 . CBNAT 11 | |
| Grand Palls, Mild | CICN-TV 4 | |
| Grand Forks, B.C. Grand Rapids, Ma Grande Prairie, Al | TA. GBXAI IO | |
| | CFRN-TV-1 18 le. CBGAT-3 11 CHTL-TV-2 6 | |
| Grande Vallée, Qu Granisie, B.C. Greenwater Lake, Hallburton, Ont. Hallfax, N.S. | Sask CKBI-TV-3 4 | |
| Hafifax, N.S. | CKVR-TV-3 5 CBHFT 13 CBHT 3 CJCH-TV 5 CHCH-TV 11 | |
| Hamilton, Ont. Havre St. Pierre, | | |
| Hearst, Ont. High Level, Alta. | CBFOT-2 7 CFCL-TV-4 4 CBYAT-4 8 | |
| High Prairie, Alta Hinton, Alta. Hixon, B.C. | CBXAT-2 2 CBXT-3 8 CKPG-TV-1 10 | |
| Hinton, Alta. Hixon, B.C. Holberg, B.C. Home Payne, Ont. Hope, B.C. | CFKY-TV-1 4 CBLAT-6 13 CBUT-6 9 | |
| Houston, B.C. (Hudson Hope, B.C | | |
| Hudsons Bay Moun (near Telkwa) B.C. | tain | |
| Hull, P.Q. Huntsville, Ont. Ignace, Ont. Iles de la Madelei | CFV0-TV 30 CKVR-TV-2 8 CBWDT-2 13 ne, Que. | |
| Inuvik, N.W.T. Invermere, B.C. | CBIMT 12 CHAK-TV 6 CBUBT-3 2 CFWL-TV-1 6 CJCB-TV-1 6 | |
| inverness, N.S. irishtown, Nfid. | CBYT-2 7 | |
| Jasper, Alta. | CBXT-4 5 | |

CANADIAN TV STATIONS BY LOCATION

| ocation Call Ch. | Location , Call Ch. | Location Call Ch. | Location Call Ch. |
|--|---|--|---|
| ongulère. Que. CKRS-TV 12 | Millertown, Nfld. CBNAT-5 7 Minden, Ont. CHEX-TV-2 10 | Port Alberni, B.C. CBUT-3 4 Port Alfred, Que, CKRS-TV-1 9 Port Alice, B.C. CKPA-TV-1 2 | CJON-TV-5 2 St. Lawrence, Nfld. |
| ubilee Mountain, B.C. CFWL-TV-2 8 uskatla, B.C. CFTK-TV-7 2 | Minden, Ont. CHEX-TV-2 10 CBAFT 11 CHMT-TV 7 | Port Aux Basques, Mild. | CJOX-TV-3 10 Ste. Marquerite-Marie, Que. |
| askatta, B.C. CFTK-TV-7 2 amloops, B.C. CFJC-TV 4 CHKM-TV 6 | Mont Blanc Perce, Que. | CBYT-4 8 CIWN-TV-4 7 | St. Mary's, Nfld. CBNT-6 10 St. Quentin, N.B. CHAU-TV-2 10 |
| apuskasing, Ont. CBFOT-1 12 CFCL-TV-3 2 | Mont Climent Oue CRGAT-1 11 | Port Daniel, Que. CHÂU-TV-3 10 Port Hardy, B.C. CFKB-TV-3 3 | Ste. Rose du Degela, Que. |
| CK80-TV-4 10 | Monte Lake, B.C. CJML-TV-I 8 | Port Renfrew, B.C. | St. Urbain, Que. CKRT-TV-2 2 |
| earns, Ont. CFCL-TV-2 2 CKSO-TV-3 11 | Mont-Laurier, Que, CBFT-2 3 Mont-Louis, Que, CBGAT-4 2 Mont Tremblant, Que, CBFT-1 11 | Port Rexton, Nfld. CBNT-1 13 Potlash Creek, B.C. | South Indian Lake, Man. CBWT-1 10 |
| B.C. CBUAT-4 13 chowna, B.C. CHBC-TV 2 | Montreal, Que. CBFT 2 | CFZQ-TV-3 12 | Spence Bridge, B.C. CJNA-TV-2 7 |
| CHKL-TV 5 | CFCF-TV 12 CFTM-TV 10 | Prince George, B.C. CKPG-TV 2 CIFG-TV 12 | Spillamacheen, B.C. CBUBT-6 69 Stephenville, Nfld. CBYT-1 8 |
| eno Hitl, Y.T. CBKHT 13 enora, Ont. CBWAT 8 | Moose Jaw. Sask. CBKMT 4 | Prince Rupert, B.C. CFTK-TV-1 6 | CJWN-TV-I 4 |
| cremeos, B.C. CHKC-TV-1 4 CHKC-TV-4 9 | Moosonee, Ont. CBCO-TV-1 9 CBWIT-1 9 | Princeton, B.C. CHGP-TV-1 5 Pritchard, B.C. CFJC-TV-19 2 | CFQC-TV-I 3 |
| Idala, B.C. CFTK-TV-4 5 ng Island, B.C. CHVT-TV-1 9 | Morrissey Ridge, B.C. CBUBT-8 21 | CHKM-TV-I 9 Promontory Mountain, B.C. | Sturgeon Falls, Ont. CBFST 7 Sudbury, Ont. CBFST-1 13 CKNC-TV 9 |
| ngston, Ont. CKWS-TV 11 tchener, Ont. CKCO-TV 13 | Mount Baker, B.C. CBUBT-7 10 Mount St. Margaret, | CFJC-TV-12 10 Purden Lake, B.C. CBUHT-I 10 | Sundre, Alta, CFJL-TV-1 7 |
| emtu, B.C. CFKK-TV-1 2 okish, B.C. CFKB-TV-2 9 | Nfld. CBNAT-9 9 Mount Timothy, B.C. | Quebee, Que. CBVT II | Swift Current, Sask. CJFB-TV 5 Sydney, N.S. CJCB-TV 4 |
| winatahl, B.C. CKCC-TV-1 7 brador City, Nfld. CBSET-2 13 | Moyle, B.C. CFJC-TV-6 5 CKVS-TV-1 5 | CIVQ-TV 15 | CBIT 5 CBHFT-3 13 |
| CBST-3 II | Mt. Dolly, Near Stewart, B.C. CKHF-TV-2 11 | Quesnet, B.C. CFIC-TV-II 7 | Tabor Mountain, B.C. CBUHT 78 Tasu, B.C. CFAL-TV- |
| te du Bonnet, Man. CBWT-2 4 te Etchemin, Que. CBVT-4 55 te La Biche, Alta. CBXT-5 JO | Mt. Parizeau, B.C. CFTK-TV-6 5 | Radisson, P.Q. CITM-TV-2 8 CBFRT 8 | Temiseaming, Que. CBFST-2 12 CFCH-TV-1 3 |
| CFRN-TV-5 2 | Mt. Poole, Near Queen | CKCQ-TV-1 13 Radium Hot Springs, B.C. | Terrace, B.C. CFTK-TV 3 Terrenceville, Nfld. |
| ae Megantic, Que. CBVT-3 2 ake Louise, Alta. CFLL-TV-1 8 CFLL-TV-2 9 | Mularave, N.S. CBIT-1 12 | Palabow Lake Alta | CFTV-TV-1 12 C10X-TV-5 10 |
| lakata Point, B.C. CFSB-TV-I II | Murdochville Que CBGAT-2 6 | CBXAT-8 | Tete Jaune, B.C. CBUHT-4 10 The Pas, Man. CBWIT 7 |
| Anse a Valleau, Que. | Musarave Harbour, Nfld. | Rankin Inlet, N.W.T. CBECT 9 | Thunder Bay, Unt. CHFU-IV 4 |
| a Ronge, Sask. CBKST-2 12 a Tuque, Que. CBVT-2 3 | CBNAT-7 | Rapides-des-Joachims, P.Q. CBOFT-2 8 | Ticket Portage. |
| awn, Nfld. CJDX-TV-2 10 | Nakusp, B.C. CJNP-TV-1 2 CJNP-TV-2 4 | Red Deer, Alta. CKRD-TV 6 CFRN-TV-6 8 | Man. CJTM-TV-1 4 |
| CKJC-TV-2 7 | Nass Camp (Near | Red Lake, Ont. CBWET 10 Red Rocks, Nfid. CJWN-TV-2 11 | CFCL-TV 6 |
| ethbridge, Alta. CJOC-TV 7 CFCN-TV-5 13 | Natal, B.C. CBUBT-10 11 | Regina, Sask. CBKRT 9, CKCK-TV 2 Richmond Lake, Sask. | Topley Mountain, B.C. CHTL-TV-1 9 |
| illocet, B.C. CFDF-TV-2 13 CFMZ-TV-1 2 | Nelson, B.C. CBUCI 9 | CFQC-TV- 83 | Toronto, Ont. CBLT 5 CBLFT 25 CFTO-TV 6 |
| ithium Mines, Que. CJDG-TV 8 | Newcastle, N.B. CKAM-IV-I | Riverhurst, Sask, CJFB-TV-3 10 | CITY-TV 79 |
| Iverpool, N.S. CBHT-1 12 loydminster, Alta. CITL-TV 4 | New Denver, B.C. CHSL-TV-1 6 | CHAU-TV-7 7 Riviere du Loup, Que. | Trail, B.C. CICA-TV 19 |
| Ogan Lake, B.C. CHLK-TV-1 11 | New Glasgow, N.S. CBHT-5 7 CJCB-TV-4 2 | CKRT-TV 7 | Trepassey, Nfld. CJON-TV-3 10 CJTA-TV-2 4 |
| CHEK-1A-7 19 | Nimpkish, B.C. CFNV-TV-2 6 | Rocky Mountain House, Alta. | Trois Pistoles, Que. CKRT-TV-8 5 Trois-Rivieres, Que. CKTM-TV 13 |
| Chiliwack, B.C. CBUT-2 3 | (Northeast New Hazelton), B.C. CFST-TV-1/9 Nipawin, Sask, CKBi-TV-4 7 | Ross River, Y.T. CFRR-TV-1 12 | Tuktoyaktuk, N.W.T. |
| oos, B.C. CBUHT-2 6 umby, B.C. CHID-TV-1 4 | Nipawin, Sask. CKBI-TV-4 7 Norman Wells, B.C. CBEDT 9 | Rouyn, Que. CKRN-TV 4 Saint John, N.B. CHSJ-TV 4 | Uelusiet, B.C. CBUT-7 7 |
| Unn Lake Man. CBWRT 8 | North Battleford, Sask. CFQC-TV-2 6 | Salmo, B.C. CKLT-TV 9 CBUAT-5 8 | Upsalquitch Lake, N.B. CKAM-TV 12 |
| ytton, B.C. CHWS-TV-1 II | North Bay, Ont. CHNB-TV 4 | Salmon Arm, B.C. CHBC-TV-4 9 CFSA-TV-1 13 | Uranium City, Sask. CBKAT 1 Uxbridge, Ont. CKGN-TV-22 2 |
| Mahel Lake, B.C. CHPP-TV-I 8 | Norway House Man CRWOT 9 | Sarnia, Ont. CKGN-TV-29 29 | Valemount, B.C. CBUHT-5 Val Marie, Sask. CJFB-TV-2 |
| Mackenzie, B.C. CKPG-TV-4 6 | Ocean Faits, B.C. CFTK-TV-9 2 | Sault Ste. Marie, Ont. CJIC-TV 2 | Vancouver, B.C. CBUT 2 |
| Malartic, Que. CFCL-TV-5 5 | Oliver, B.C. CHBC-TV-3 8 | CFSC-TV-2 8 | Vernon, B.C. CHBC-TV-2 CHKL-TV-2 IS |
| lanicouagan 3, Que. CKHQ-TV-6 13 | Ottawa, Ont. CBOF1 9 | Sayward, B.C. CBUT-10 4 Schefferville, P.Q. CBST-2 9 | Victoria, B.C. CHEK-TV Ville Marie, Que. CKRN-TV-3 |
| anicouagan 5, Que. CKHQ-TV-1 10 | CKGN-TV-6 6 | CBSET-! 7 Sent-lies, P.Q. CBST 13 | Waterton Park, Alta. |
| lanitouwadge, Ont. CBLAT-1 & tanning, Aita. CBXAT-3 12 | Outardes 4, Que. CKHQ-TV-2 12 Oyen, Aita. CFON-TV-1 2 CFON-TV-2 7 | Shaunavon, Sask. CBCP-TV-1 7 Sheet Harbour, N.S. CBHT-4 II | CJWP-TV-1 12 CJWP-TV-2 6 Watson Lake, Y.T. CBDAT |
| taple Creek, Sask. CHAT-TV-2 10 | Parent, P.Q. CBTB-TV-1 12 Paris, Ont. CKGN-TV 6 | Shelburne, N.S. CBHT-2 6 Sherbrooke, Que, CHLT-TV 7 CKSH-TV 9 | Wawa, Ont CBLAT-3 |
| largaree, N.S. CBIT-5 8 | Parry Sound, Ont. | Sherridon, Man. CJSM-TV-1 5 Sloux Lookout, Ont. CBWDT-1,12 | Westwold, B.C. CFWS-TV-2 I Whitecourt, Alta. CBXT-2 Whitehorse, Y.T. CFWH-TV White River, Ont. CBLAT-2 I |
| larystown, Nfld. CBNT-3 5 | Parsons Lake. | tt | White River, Ont. CBLAT-2 I Wiarton, Ont. CKCO-TV-2 |
| Matane, Que. CBGAT 9 CBGAT-6 6 | Pasadena, Nfld. CJWN-TV-5 8 | Skaha Lake, Near Pentieton, B.C. CHBC-TV-7 7 | Williams Lake, B.C. CFJC-TV-5 |
| INVO V T CRKHT-2 7 | Peace River, Alta. CBXAT-1 7 CFRN-TV-2 3 Peachland, B.C. CHPT-TV-1 4 | Smithers, B.C. CFTK-TV-2 5 Snow Lake, Man. CBWKT 8 Sointula, B.C. CFKB-TV-4 5 | CITM-TV-I I Willow Bunch, Sask. CBKMT-I I |
| McBride, B.C. CBUHT-3 2 McCusker Lake, Man. CBWUT 10 Meadow Lake, Sask. | Pemberton, B.C. CHPV-TV-I 9 | South Bentick Arm, | CKCK-TV-2 Windsor, Ont. CKGN-TV-1 2 |
| Medicine Hat. Alta. | Pambroke Ont. CHOV-TV 5 | Spences Bridge, | Wingham Ont CKNX-TV |
| CHALLY B | Dans Out CHAILTVAS 2 | B.C. CJNA-TV-1 3 Spiritwood, Sask. CKBI-TV-9 12 Squamish, B.C. CBUT-5 11 | Winnings, Man. CBWFT |
| Melita, Man. CKX-1V-2 9 Merritt B.C. CFJC-TV-3 10 | Perrys, B.C. CHMS-TV-3 5 Peterborough, Ont. CHEX-TV 12 | CHAN-TV-3 7 | CBWT CKY-TV Wynyard, Sask, CHSS-TV |
| | Pincher Creek. | CJCN-TV-1 13 | Yale, B.C. CHYT-TV-1 |
| CHMC-TV-1 7 | Alta. CHPC-TV-1 9 | St. Anthony, Nfld. CBNAT-4 6 | Yarmouth, N.S. CBHFBT 3 |
| Miss Creek Village. B.C. | Pine Valley R.C. CFJC-TV-18 2 | St. Georges de Beauce, Que. CBVT-1 2 St. John's, Nfid. CBNT 8 | CJCH-TV-7 I Yellowknife, N.W.T. CFYKT I Yorkton, Sask. CKOS-TV |
| Misous Ous CKHQ-TV-3 12 | I PIVOT. AITS. CHAI-IV-1 7 | CJON-TV 6 | Yorkton, Sask. CKOS-TV |
| Micoua, Que. CKHQ-TV-3 12 Midway, B.C. CKMY-TV-1 7 | Placentia, Nfld. CBNT-2 12 Pleasant Bay, N.S. CBIT-3 8 | CJOX-TV-3 10 | CICC-TV |

WORLDWIDE SHORTWAVE STATIONS

| kHz | Call | Name | \ Location | GMT | kHz | Call . | Name | Location | GMT |
|--|-----------|---|--|-----|--|----------------------|--|--|--|
| _ | | 120 Meter Band—2 | 300-2495 kHz | | | | 90 Meter Band | 3200-3400 kHz | |
| 2340 2360 2376 2390 2410 2428 2450 2468 2490 | TGBA TGDF | R. West New Britain R. Maya R. Chimbu LV Atitlan R. Eastern Highlands R. New Ireland R. Western Highlands R. Northern District People's Liberation Army | Kimbe, Papua New Guinea Huehuetenango, Guatemala Kundiawa, Papua New Guinea Santiago, Guatemala Goroka, Papua New Guinea Kavieng, Papua New Guinea Mt. Hagen, Papua New Guinea Popondetta, Papua New Guinea Foachow, China | | 3220 3223 3225 3230 3245 3250 3250 3275 3290 | YVTC YVKI YVMC | R. Morobe R. Tago R. Occidente B. C. of China R. Libertador R. Republik Indonesia South African B.C. R. Mara Guyana B.S. | Lae, Papua New Guinea Lama-Kara, Togo Tovar, Venezuela Taipei, Taiwan Caracas, Venezuela Banjarmasin, Indonesia Johannesburg, South Africa Maracaibo, Venezuela Georgetown, Guyana | 1130 0600 0030 1230 0100 1200 0030 0300 0130 |

| kHz | Call, | Name | Location | GMT | ı kHz | Call | Name | Location | GMT |
|---|--|--|---|--|--|--|--|--|---|
| 3295 | YVOG | R. Truiillo | Trujillo, Venezuela | 1100 | 5953 | `_ | R. Super de Medellin | Medellin, Colombia | 1100 |
| 3300 | _ | R. Belize | Belize, Br. Honduras | 0400 | 5955 | TGNA | R. Culturai | Guatemala City, Guatemala | 0330 |
| 3300 3305 | TGNA | R. Cultural R. Western District | Guatemala City, Guatemala Daru, Papua New Guinea | 0300 0930 | 5965 5965 | | R. Budapest Swiss B.C. | Budapest, Hungary Berne, Switzerland | 2130 . 0130 |
| 3315 3316 | _ | France Region 3 Sierra Leone B.S. | Fort de France, Martinque | 0130 | 5970 | HCJB | V. Andes | Quito, Ecuador | 0230 |
| 3322 | _ | R. Bougainville | Freetown, Sierra Leone Bougainville,Papua NewGuine | | 5980 5980 | XERMX | R. RSA R. Mexico | Johannesburg, South Africa Mexico, Mexico | 0400 2100 |
| 3325 3326 | HCHA2 TGBA | Ondas Quevedenas R. Maya | Quevedo, Ecuador Huehuetenango, Guatemala | 1030 0130 | 5985 5987 | _ | R. Splendid R. Republik Indonesia | Buenos Aires, Argentina | 0230 |
| 3335 | _ | R. East Sepik District | Wewak, Popua New Guinea | 1100 | 59,90 | Ξ. | R. Japan | Menado, Indonesia Tokyo, Japan | 1300 1400 |
| 3340 3345 | HCFB4 4VEH | R. El Mar R. 4VEH | Esmeraldas, Ecuador Cap Haitien, Haiti | 0100 0200 | 5995 6000 | _ | R. Mali R. Swan | Bamako, Mali San Pedro Sula, Honduras | 2200 0630 |
| 3360 3380 | TGVN TGCH | V. Nahuala R. Chortis 1 | Nahuala, Guatemala | 0230 | 6005 | _ | British B.C. relay | Ascension Is. | 0330 |
| 3385 | - | France Region 3 | Jocotan, Guatemala Cayenne, Fr. Guiana | 0030 0200 | | | İ | | |
| 3396 3425 | _ | Nigerian B.C. R. Nepal | Kaduna, Nigeria Kathmandu, Nepal | 2230 1300 | 6010 | - | RAI R. Nederland relay | , Rome, Italy . Talata, Malagasy Rep. | 0100 1730 |
| | | , | Naminanas, Nepai | 1300 | 6020 | _ | R. Kiev | USSR | 1700 |
| | | 75 Matau Barral 2 | 1900 4000 111- | | 6025 | ZPA1 | R. Nacional R. Tashkent | Asuncion, Paraguay Tashkent, USSR | 1000 1200 |
| _ | | 75 Meter,Band—3 | | | 6035 | OCY4H | R. Sweden \ R. Santa Rosa | Stockholm, Sweden | 0000 |
| 3885 | . – | R. Cl. Cabo Verde | Praia, Cape Verde Is. | 0715 | 6055 | _ | NSB | Lima, Peru Tokyo, Japan | 1130 |
| 3905 3910 | _ | R. Manus Far East Network | Manus, Admiralty Is. Tokyo, Japan | 1100 | 6060 | Ξ, | rRAI R. Havana Cuba | Caltanisetta, Sicily Havana, Cuba | 0030 2300 |
| 3925 | _ | NSB . | Tokyo, Japan | 1200 1300 | 6065 | _ | R. Nac. Espana | Madrid, Spain | 0300 |
| 3945 3945 | _ | R. Vila R. Republik Indonesia | Vila, New Hebrides Denpasar, Indonesia | 0900 1100 | 6070 | YVSR — | R. San Sebastian Deutsche Welle | San Cristobal, Venezuela Cologne, W. Germany | 0000 0130 |
| 3960 3975 | Ξ | R. Republik Indonesia British B.C. | Padang, Indonesia | 1200 | 6080 6080 | _ CKFX | RTV Belge | Brussels, Belgium Vancouver, Canada | 0045 |
| 3985 | = | Swiss B.C. | London, England Berne, Switzerland | 0330 0700 | 6085 | | R. Kisangani | Kisangani, Zaire | 2000 2030 |
| 3990 3995 | _ | V. America relay R. RSA | Monrovia, Liberia Johannesburg, South Africa | 0530 0300 | 6090 | _ | R. Luxembourg RTV Kadung | Luxembourg Kaduna, Nigeria | 0000 2200 |
| | £ | | John Allie | 0300 | 6100 6105 | _ XEQM | R. Belgrade Su Pantera | Belgrode, Yugoslavia | 2200 |
| | | 60 Meter Band—4 | 750 50/0 1:11 | | 6115 | XEUDS | R. Univ. Sonora | Merida, Mexico Hermosillo, Mexico | 1400 2300 |
| | | oo meter bana-4. | 730-3060 KHZ | | 6121 | HRQ | R. Super de Cali R. Suyapa | Cali, Colombia San Pedro Sula, Honduras | 1130 0400 |
| 4330 | _ | R. Peking | Peking, China | 1230 | 6130 | CHNX | R. Ghana | Accra, Ghana | 2100 |
| 4500 4679 | VNG HCWE1 | Australian Post Office R. Nac. Espejo | Melbourne, Australla Quite, Ecuador | 1100 | 6130 | - | Deutsche Welle | Halifax, Canada Cologne, W. Germany | 2300 0200 |
| 4719 | _ | R. Republik Indonesia | Ujung Pandang, Indonesia | 0400 1230 | 6140 | = | Australian B.C. Far East Network | Perth, Australia Tokyo, Innan - | 1230 |
| 4725 4750 | Ξ, | Burma B.C. R. Lubumbashi | Rangoon, Burma Lubumbashi, Zaire | 1130 0430 | 6156 | _ | R. Citadelle | Cap Haitien, Haiti | 1400 1200 |
| 4764 4770 | ELWA | R. Republik Indonesia Sudan Interior Mission | Medan, Indonesia ' | 1200 | 6160 | H)K) | Em. Nueva Grenada R. Nocional | Bogota, Colombia Caracas, Venezuela | 0230 1200 |
| 4770 | YVNW | R. Bolivar | Monrovia, Liberia [.] Ciu. Bolivar, Venezuela | 2100 0130 | 6170 6175 | TIFC | RTV Marocaine | Tangler, Morocco | 1 2130 |
| 4775 4780 | _ | R. Afghanistan • France Regions 3 | Kabul, Afghanistan Djibouti, Afars and Issa | 1230 1445 | 6185 | _ | Faro del Caribe R. Ethiopia | San Jose, Costa Rica Addis Ababa, Ethiopia | 1 200 0400 |
| 4790 4800 | OAX8F | R. Atlantida | Iquitos, Peru | 0430 | 6185 | _ | Deutsche Welle Trans World R. | Cologne, W. Germany Bonaire, Neth. Antilies | 0545 0400 |
| 4800 | YVMO | Ail,India R. R. Lara | Hyderabod, India Barquisimeto, Venezuela | 1400 0300 | 6195 6200 | Ξ | Nigerian B.C. R. Tirana | Sokoto, Nigeria | 2200 |
| 4807 | _ | R. Norte | Santo Domingo, Dominican Rep. | | | | | ¹ Tirana, Albania | 0130 |
| 4810 | HCVG8 | | | | 6205 | - | R. France Int. | Paris, France | |
| 4810 | HCVG8 YVMG | LV Galapogos R. Popular | Galapagos Is. Maracaibo, Venezuela | 1230 0130 | 6250 | _ | R. France Int. R. Pyongyang | Paris, France Pyongyang, N. Korea | 0400 0430 |
| 4810 4815 4820 | | LV Galapogos | Galapagos Is. Maracaibo, Venezuela Iquitos, Peru | 0130 0130 0300 | | | R. France Int. | · Paris, · France | 0400 |
| 4810 4815 | YVMG OAX8X | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania | Galapagos Is. Maracaibo, Venezuela Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania | 0130 0130 0300 0300 2030 | 6250 6320 | = | R. France Int. R. Pyongyang R. Peking | · Paris, ·France Pyongyang, N. Korea Peking, China | 0400 0430 1200 |
| 4810 4815 4820 4825 4830 4832 | YVMG OAX8X HRVC — TIHB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RIV Gabonaise R. Capital | Galapagos Is. Maracaibo, Venezuela Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica | 0130 0130 0300 0300 2030 2130 0430 | 6250 6320 | = | R. France Int. R. Pyongyang R. Peking | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey | 0400 0430 1200 |
| 4810 4815 4820 4825 4830 4832 4835 4840 | YVMG OAX8X HRVC | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army | Galapagos Is. Maracaibo, Venezueld Iquilos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa | 0130 0130 0300 0300 2030 2130 0430 0400 | 6250 6320 6900 | = | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey | 0400 0430 1200 |
| 4810 4815 4820 4825 4830 4832 4835 4840 4843 | YVMG OAX8X HRVC TIHB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Gongolaise | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango | , 1230 0130 0300 0300 2030 2130 0430 0400 1200 0500 | 6250 6320 6900 | <u>=</u> | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France | 0400 0430 1200 0530 |
| 4810 4815 4820 4825 4830 4832 4835 4840 4843 4850 | YVMG OAX8X HRVC — TIHB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania | 0130 0130 0300 0300 2030 2130 0430 0400 1200 0500 0700 | 6250 6320 6900 7085 7105 7110 | = | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia | 0400 0430 1200 0530 2000 1230 1130 |
| 4810 4815 4820 4825 4830 4832 4835 4840 4843 4850 4870 4872 | YVMG OAX8X HRVC TIHB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Focchow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia | , 1230 0130 0300 0300 2030 2130 0430 0400 1200 0500 | 7085 7105 7110 7110 | Ξ | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain | 0400 0430 1200 0530 2000 1230 1130 0630 |
| 4810 4815 4820 4825 4830 4832 4835 4840 4843 4850 | YVMG OAX8X HRVG TIHB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia | 0130 0130 0300 0300 2030 2130 0430 0400 1200 0500 0700 | 7085 7110 7110 | = | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania | 0400 0430 1200 0530 2000 1230 1130 0630 0800 0100 |
| 4810 4815 4820 4825 4830 4832 4835 4840 4843 4850 4870 4870 4870 4870 4890 | YVMG OAX8X HRVC TIHB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela | 0130 0130 0300 0300 2030 2030 2130 0430 0400 1200 0500 0700 0530 1230 0300 1200 0300 | 7085 7105 7110 7110 7110 7120 7121 7125 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland | 0400 0430 1200 0530 2000 1230 1130 0630 0800 0100 1600 1500 |
| 4810 4815 4825 4830 4832 4835 4840 4843 4850 4870 4870 4870 4890 4900 4900 | YVMG OAX8X HRVG TIHB HJIG HJIG YVKB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud | Galapagos Is. Maracaibo, Venezueld Iquilos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea | 0130 0130 0300 0300 2030 2130 04400 1200 0500 0700 0530 1230 0300 1200 | 7085 7105 7110 7110 7110 7120 7121 7125 7145 7150 | | R. France Int. R. Pyongyang R. Peking Turkish Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia | 2000 1230 0530 2000 1230 1130 0630 0800 0100 1600 1500 1300 |
| 4810 4815 4820 4832 4832 4832 4840 4843 4850 4870 4872 4885 4890 4890 | YVMG OAX8X HRVG — TIHB — — HJIG YVKB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia | Galapagos Is. Maracalbo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia | 0130 0130 0300 0300 2030 2130 0440 0500 0700 0530 01200 0300 1200 0400 0400 0400 | 7085 7105 7110 7110 7110 7120 7121 7125 7145 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Macia R. Macia R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary | 2000 1230 0530 2000 1230 1130 0630 0800 1600 1500 1300 0130 0130 |
| 4810 4812 4825 4830 4832 4835 4843 4850 4870 4870 4870 4890 4990 4911 4915 4920 | YVMG OAXBX HRVG TIHB HJIG HJIG YVKB YVNK | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisismeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia | 01230 01300 03000 03000 20300 20300 21300 04400 05500 07000 05300 12300 03000 12000 04000 04000 04000 05300 | 7085 7110 7110 7120 7125 7145 7155 7150 7155 7170 7195 | | R. France Int. R. Pyongyang R. Peking Turkish Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania | 2000 1200 0530 2000 1230 1130 0630 0100 1600 1500 1300 0130 1215 0700 1330 |
| 4810 4815 4825 4832 4832 4835 4843 4850 4870 4870 4872 4890 4900 4900 4900 4915 4920 4923 4924 | YVMG OAXBX HRVC TIHB THJIG YVKB YVNK HCRQ1 | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito | Galapagos Is. Maracaibo, Venezueld Iquilos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China | 1230 0130 0300 0300 2030 2130 2130 0430 0500 0700 0530 1230 0300 1200 0300 1000 0400 0100 0400 0400 | 7085 7105 7110 7110 7110 7125 7145 7155 7155 7170 7195 7200 | | R. France Int. R. Pyongyang R. Peking Turkish Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mail R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan | 2000 1230 0530 2000 1230 1130 0630 0630 0600 0100 1500 1300 1300 1300 1300 1000 10 |
| 4810 4812 4825 4832 4832 4835 4843 4850 4870 4870 4870 4870 4900 4900 4911 4920 4920 4920 4924 4924 4924 4924 | YVMG OAXBX HRVG TIHB HJIG HJIG YVKB YVNK | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indanesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea | 0130 0130 0300 0300 2030 2130 0440 0500 0500 0500 0400 0100 0400 0500 0400 0500 0500 0400 0500 | 7085 7105 7110 7110 7110 7125 7150 7150 7150 7150 7150 7175 7175 717 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad | 2000 1200 0530 2000 1230 1130 0630 0630 0100 1500 0130 0130 0130 1215 0700 1330 1230 1230 1230 1230 1230 |
| 4810 4812 4820 4825 4830 4832 4835 4840 4843 4850 4872 4885 4890 4900 4911 4915 4920 4923 4924 4926 4932 | YVMG OAX8X HRVC TIHB HJIG YVKB YVKK HCRQI HCRQI | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Ea. Guinea Quito, Ecuador Hanoi, North Vietnam | 1230 0130 0300 0300 2030 2130 0440 1200 0500 0700 0530 11230 0400 0400 0400 0400 0530 11300 0400 0500 0400 0500 0500 0500 0500 0 | 7085 7100 7110 7110 7120 7125 7145 7155 7170 7195 7200 7201 7210 7225 7235 | | R. France Int. R. Pyongyang R. Peking Turkish Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Not. Tchadienne RIV Tunisienne Ulan Bator R. | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyekarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budappest, Hungary Noumea, New Caledonia Bucharest, Rumania Viadivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia | 2000 1200 0530 2000 1230 1130 0630 0100 1500 1300 0130 1215 0700 0130 1230 1245 1600 2300 1615 |
| 4810 4812 4820 4832 4832 4832 4832 4840 4840 4870 4872 4889 4890 4900 4911 4920 4911 4920 4924 4926 4932 4940 | YVMG OAXBX HRVC TIHB HJIG YVKB YVNK HCRQ1 HCCR1 YVPA | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura R. Casa de la Cultura R. Yaracuy | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Maresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Casst San Filipe, Venezuela | 0130 0130 0300 0300 2030 2130 0440 0500 0500 0500 0530 1230 0400 0100 0400 0100 0400 0530 1300 1300 1400 0400 0530 0400 0530 0400 0530 0400 0530 0400 0530 | 7085 7105 7110 7110 7110 7125 7145 7155 7155 7170 7195 7200 7200 7210 7225 7235 7235 7235 | | R. France Int. R. Pyongyang R. Peking Turkish Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Nat. Tchadienne RTY Tunisienne Ulan Bator R. LY Revolution R. Sana'a | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen | 2000 1230 1230 1230 1230 1230 1230 1300 1600 1500 1300 1300 1230 1230 1230 1230 1245 1600 1230 2300 |
| 4810 4815 4820 4825 4830 4832 4832 4840 4840 4870 4872 4885 4890 4900 4911 4915 4920 4924 4924 4924 4930 4940 4940 4940 4940 4940 4940 4945 | YVMG OAX8X HRVC TIHB HJIG YVKB YVKKB HCRQI HCRQI | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne | Galapagos Is. Maracalbo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Coast San Filipe, Venezuela | 1230 0130 0300 0300 20300 2130 04400 1200 0500 0500 0400 0400 0400 0400 0400 0 | 7085 7105 7110 7110 7110 7110 7120 7125 7145 7155 7170 7195 7200 7201 7210 7225 7235 7235 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Nat. Tchadienne RIY Tunisienne Ulan Bator R. LY Revolution R. Sana'a R. Prague | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia | 2000 1230 1230 1230 1230 1130 0630 0630 0630 0100 1500 0130 1215 0700 1330 1215 0700 1230 1230 1240 1250 1260 1270 1270 1270 1270 1270 1270 1270 127 |
| 4810 4812 4820 4825 4830 4832 4835 4840 4843 4850 4872 4889 4890 4910 4911 4915 4920 4920 4923 4924 4924 4924 4932 4940 4945 4945 4955 | YVMG OAXBX HRVG TIHB TIHB HJIG YVKB YVNK HCRQI HCRQI HCRQI HCRRI HJOH HJOH HJOA | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura R. Yaracuy R. Colosal R. Nacional R. Santa Fe | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Caast San Filipe, Venezuela Neiva,' Calombia Bogota, Colombia | 1230 0130 0300 0300 2030 2130 04400 1200 0500 0700 0530 11230 0400 0100 0400 0400 0100 0500 1300 1100 0400 01100 0500 0400 01130 0500 0500 0500 0500 0500 0500 0 | 7085 7105 7110 7110 7110 7120 7125 7145 7150 7155 7170 7200 7200 7200 7210 7210 7210 7235 7235 7345 | | R. France Int. R. Pyongyang R. Peking Turkish Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Nat. Tchadienne RTY Tunisienne Ulan Bator R. LY Revolution R. Sana'a | Paris, France Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen | 2000 1230 1230 1230 1230 1230 1230 1330 0630 0800 0100 1300 1300 1300 1310 1215 1215 1215 1215 1215 1215 1215 12 |
| 4810 4812 4820 4825 4832 4832 4832 4840 4843 4870 4872 4889 4890 4900 4911 4920 4920 4924 4926 4924 4926 4932 4940 4940 4945 4940 4945 4955 4972 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVKB HCRQI HCRQI HCRQI | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura R. Tyracuy R. Calosal R. Nacional R. Santa Fe R. Rumbos R, Yaounde | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Lusska, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Ea, Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Caast San Filipe, Venezuela Neiva,' Colombia Bogota, Colombia Bogota, Colombia | 01230 01300 03000 03000 20300 21300 04000 05000 05300 12300 03000 12000 03000 10000 04000 04000 04000 04000 04000 050000 05000 05000 05000 05000 05000 05000 05000 05000 050000 050000 050000 050000 050000 050000 050000 050000 0500000 050000 050000 050000 0500000 0500000 0500000 050000 05000000 0500000000 | 7085 7105 7110 7110 7110 7120 7125 7145 7150 7155 7170 7200 7200 7200 7210 7210 7210 7235 7235 7345 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Ducharest R. Omdurman R. Nat. Tchadienne RTY Tunisienne Ulan Bator R. LY Revolution R. Sana'a R. Prague Israel B. Auth. | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Gulinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel | 2000 1230 1230 1230 1230 1130 0630 0630 0630 0100 1500 0130 1215 0700 1330 1215 0700 1230 1230 1240 1250 1260 1270 1270 1270 1270 1270 1270 1270 127 |
| 4810 4815 4820 4825 4832 4832 4832 4840 4840 4870 4870 4870 4870 4870 4900 4900 4900 4900 4915 4920 4920 4920 4920 4920 4920 4920 4924 4924 4924 4925 4930 4940 4945 4945 4955 4967 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB HCRQI HCRQI HCRQI HJCQ HJABA | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R, Yaounde R. Ghana | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Coast San Filipe, Venezuela Neiva,' Calombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana | 01230 01300 03000 03000 20300 21300 04400 05000 05300 12300 04000 04000 04000 04000 04000 04000 05300 13000 13 | 7085 7105 7110 7110 7110 7120 7125 7145 7150 7155 7170 7200 7200 7200 7210 7210 7210 7235 7235 7345 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Nat. Tchadienne RIY Tunisienne Ulan Bator R. LY Revolution R. Sana'a R. Prague | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Gulinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel | 2000 1230 1230 1230 1230 1130 0630 0630 0630 0100 1500 0130 1215 0700 1330 1215 0700 1230 1230 1240 1250 1260 1270 1270 1270 1270 1270 1270 1270 127 |
| 4810 4812 4820 4825 4830 4832 4834 4840 4843 4850 4870 4870 4870 4900 4911 4915 4920 4920 4923 4924 4924 4924 4924 4924 4925 4932 4940 4970 | YVMG OAX8X HRVG TIHB TIHB TIHB TYVKB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaounde R. Ghana R. Barquisimeto R. Andina | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Caast San Filipe, Venezuela Neiva, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela | 1230 0130 0300 0300 2030 2130 0440 1200 0500 0700 0530 1230 0400 0100 0400 0100 0400 0100 0400 01130 0400 01130 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 053 | 7085 7105 7110 7110 7110 7110 7120 7121 7145 7155 7170 7195 7200 7201 7210 7225 7235 7235 7235 7241 7241 7241 7241 7241 7241 7241 7241 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Not. Tchadienne RTY Tunisienne Ulan Bator R. LY Revalution R. Sana'a R. Prague Israel B. Auth. | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel | 2000 1200 0530 2000 1230 1130 0630 0800 0100 1500 1300 0130 1215 0700 1230 1230 1230 1230 1230 1230 1230 12 |
| 4810 4812 4820 4825 4832 4832 4832 4832 4840 4870 4870 4870 4870 4870 4870 4970 4971 4926 4926 4926 4924 4926 4924 4926 4924 4926 4932 4940 4945 4940 4945 4972 4980 4972 4980 4972 4980 4990 | YVMG OAX8X HRVC TIHB TIHB HJIG YVKB YVNK HCRQI HCRQI HCRQI YVPA HJDH HJCQ HJAE YVLK YVMQ OAZ4C WWV | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yacunde R. Ghana R. Barquisimeto | Galapagos Is. Maracaibo, Venezueld Iquilos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Caast San Filipe, Venezuela Neiva,' Colombia Bogota, Colombia | 01230 01300 03000 03000 20300 21300 04000 05000 05300 12300 03000 10000 04000 04000 04000 04000 04000 04000 05300 113000 110000 110000 110000 05300 113000 110000 110000 05300 113000 110000 05300 113000 113000 110000 05300 113000 113000 110000 110000 05300 113000 113000 113000 1100000 1100000 110000 110000 110000 1100 | 7085 7105 7110 7110 7110 7121 7125 7145 7150 7150 7195 7200 7200 7201 7215 7235 7235 7235 72412 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Not. Tchadienne RIV Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey 100-7300 kHz Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel | 2000 1230 1230 1230 1230 1130 0630 0630 0630 0100 1300 01300 1215 0700 1330 12145 1600 2300 1610 2300 1610 2000 2000 |
| 4810 4812 4820 4825 4830 4832 4832 4832 4840 4870 4872 4885 4870 4870 4870 4911 4920 4910 4911 4924 4924 4924 4924 4924 4930 4940 4955 4965 4970 5000 | YVMG OAX8X HRVG TIHB TIHB TIHB TYVKB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito — Equatorial R. Casa de la Cultura — RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaounde R. Ghana R. Barquisimeto R. Andina R. Barquisimeto R. Andina Nat. Bureau Standards | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Buiumbura, Burundi Barquisimeto, Venezuela Lusska, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Ea, Guinea Quito, Ecuador Hanoi, North Vietnam Abidlan, Ivory Cast San Filipe, Venezuela Neiva,' Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA | 1230 0130 0300 0300 2030 2130 0440 1200 0500 0700 0530 1230 0400 0100 0400 0100 0400 0100 0400 01130 0400 01130 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 053 | 7085 7105 7110 7110 7110 7120 7125 7145 7155 7170 7200 7200 7200 7200 7200 7210 7210 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Ducharest R. Omdurman R. Not. Tchadienne RTY Tunisienne Ulan Bator R. LY Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jerusalem, Israel Jerusalem, Israel Jeheran, Iran Peking, China Tirano, Albania | 2000 1230 1230 1230 1130 0630 0630 0630 0100 1600 1300 0130 1215 0700 1330 12145 0700 1330 12145 0700 1300 1300 1300 1300 1300 1300 1300 |
| 4810 4815 4820 4820 4823 4832 4832 4832 4840 4870 4870 4870 4870 4870 4870 4970 4970 4970 4971 4915 4924 4924 4924 4924 4925 4930 4940 4940 4945 4955 4970 4970 4970 4970 5010 5015 5020 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVNK HCRQI HCCRI HCCRI YVPA HJCA HJCA HJCA HJCA HJCA HJCA WWV | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaounde R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua V. Solomon Is. B.S. | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoin, North Vietnam Abidian, Ivory Caast San Filipe, Venezuela Neiva, Calombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Vladivostok, USSR Honiara, Solomon Is. | 1230 0130 0300 0300 20300 2130 04400 1200 0500 0700 0530 1230 0400 0400 0400 0400 0400 0530 11300 0400 0400 0530 11300 1200 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0530 053 | 7085 7105 7110 7110 7110 7120 7121 7145 7155 7170 7155 7170 7195 7200 7200 7210 7210 7210 7210 7210 7210 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Ducharest R. Omdurman R. Not. Tchadienne RTY Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. Peking R. Tirana R. France Int. R. Japan | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jeheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan | 2000 1230 1230 1230 1230 1130 0630 0630 0100 1500 1300 1215 0700 1330 1215 0700 1330 1215 0700 1300 1010 1010 1010 1010 1010 1010 |
| 4810 4812 4820 4825 4830 4832 4832 4832 4840 4870 4872 48870 4870 4870 4970 4990 4911 4926 4926 4924 4926 4932 4940 4945 4940 4945 4955 4972 4980 5010 5015 5020 5028 | YVMG OAX8X HRVC TIHB TIHB HJIG YVKB YVNK HCRQI HCRQI HCRQI YVPA HJDH HJCQ HJAE YVLK YVMQ OAZ4C WWV | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaracuy R. Colosal R. Santa Fe R. Rumbos R. Yaracuy R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua Solomon Is. B.S. R. Splendif R. Nat. Centrafricaine | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidian, Ivory Caast San Filipe, Venezuela Neiva,' Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Vladivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador | 1230 0130 0300 0300 2030 2130 04400 1200 05500 0300 1230 0400 0100 0400 0400 0400 0530 11000 0530 053 | 7085 7105 7110 7110 7110 7110 7120 7121 7125 7145 7155 7170 7195 7200 7210 7225 7235 7235 7257 7200 7345 7412 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Bucharest LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientine, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Teheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan | 0400 0430 0430 0530 1200 0530 1230 1130 0630 0630 0630 0100 1500 0130 1215 0700 1330 1215 0700 1330 2145 1600 2300 1610 0130 0130 0130 0130 0130 0130 0 |
| 4810 4815 4820 4825 4830 4832 4832 4832 4840 4870 4872 4885 4870 4870 4870 4870 4970 4911 4920 4924 4926 4924 4924 4926 4930 4940 4940 4940 4940 4940 5010 5010 5010 5026 5038 5040 | YVMG OAX8X HRVC TIHB HJIG YVKB YVKB YVKB YVKB YVKB YVKB YVKB YVKB | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura — TV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yacounde R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua — Solomon Is. B. S. R. Splendit | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indanesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Coast San Filipe, Venezuela Neiva, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Vladivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. Guinea-Bissau | 1230 0130 0300 0300 2030 2130 04400 1200 0500 0500 0400 0100 0400 0400 0400 04 | 7085 7100 7110 7110 7110 7120 7125 7145 7155 7155 7150 7200 7201 7210 7210 7210 7210 7210 721 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Dadapest R. Variane R. Variane R. Variane R. Variane R. Variane R. Variane R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Teheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela | 0400 0430 0430 0530 1200 0530 1230 1130 0630 0630 0630 0100 1500 1300 0130 1215 0700 1330 12145 0700 1330 12145 0700 1330 1210 1230 1230 1230 1230 1230 12 |
| 4810 4815 4820 4820 4832 4832 4832 4832 4840 4870 4870 4870 4870 4870 4870 4990 4990 4990 4990 4990 4991 4920 4920 4920 4920 4920 4920 4920 4920 4920 4920 4920 4920 4920 4920 4920 5010 5010 5010 5010 5010 5020 5038 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVKB YVKB YVKB YVK | LV Galapogos R. Popular R. Samaren R. Evangellica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Ghana R. Barquisimeto R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua V. Solomon Is. B.S. R. Splendit R. Nat. Centrafricaine R. Bissau | Galapagos Is. Maracaibo, Venezuelà Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Ea. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Caast San Filipe, Venezuela Neiva,' Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Vladivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. | 1230 0130 0300 20300 20300 2130 04400 1200 0500 0700 0530 11230 0400 0100 0400 0100 0400 0100 0500 0400 011300 11300 11300 0400 011300 11300 0400 0530 0400 0530 0530 0530 0530 0 | 7085 7105 7110 7110 7110 7120 7121 7145 7155 7150 7155 7170 7195 7200 7210 7210 7210 7210 7210 7210 7210 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Bucharest LV Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jerusalem, Israel Jerusalem, Israel Teheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela Ankara, Turkey Athens, Greece | 2000 1230 1230 1230 1230 1130 0630 0630 0100 1500 1300 1215 0700 1330 1215 0700 1330 1215 0700 1300 1300 1010 1010 1010 1010 1010 |
| 4810 4815 4820 4825 4830 4832 4832 4832 4840 4870 4872 4885 4870 4870 4870 4870 4970 4911 4920 4924 4926 4924 4924 4926 4930 4940 4940 4940 4940 4940 5010 5010 5010 5026 5038 5040 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVKB HCRQT HCRQT HCRQT HJGG HJAGE YVLK HJGG HJAGE HJGG HJGG HJGG HJGG | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura Australian B.C. R. Vinevalue R. Cardac R. Juventud R. Zambia R. Santa Fe R. Rumbos R. Golosal R. Nacional R. Santa Fe R. Rumbos R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua / Solomon Is. B. S. R. Splendit R. Nat. Centrafricaine R. Bissau R. Sutatenza R. Sutatenza | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Buiumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Harbin, Chima Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Vaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Viadivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. Guinea-Bissau Bogota, Colombia | 1230 0130 0300 20300 20300 2130 04400 1200 0500 0700 0530 11200 0400 0400 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0400 0530 11300 0400 0400 0530 0400 0400 0530 0400 0530 0400 040 | 7085 7105 7110 7110 7110 7110 7120 7121 7145 7155 7170 7195 7200 7200 7200 7200 7210 7210 7210 7210 | To the state of th | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Omdurman R. Nat. Tchadienne RTV Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece R. New Zealand All India R. | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Modrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Güinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jeneran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela Ankara, Turkey | 0400 0430 1200 0530 2000 1230 1130 0630 0630 0630 0100 1100 1500 0130 1215 0700 1330 2145 1600 2300 1615 0400 2300 1615 0400 2300 1615 0400 2300 2000 2000 2000 2000 2000 2000 |
| 4810 4815 4820 4825 4830 4832 4832 4832 4840 4870 4872 4885 4870 4870 4870 4870 4970 4911 4920 4924 4926 4924 4924 4926 4930 4940 4940 4940 4940 4940 5010 5010 5010 5026 5038 5040 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVKB HCRQT HCRQT HCRQT HJGG HJAGE YVLK HJGG HJAGE HJGG HJGG HJGG HJGG | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura R. Casa de la Cultura R. Yaracuy R. Calosal R. Nacional R. Santa Fe R. Rumbos R. Yacounde R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua — / Solomon Is. B. S. R. Splendit R. Nat. Centrafricaine R. Bissau R. Sutatenza | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Buiumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Harbin, Chima Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Vaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Viadivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. Guinea-Bissau Bogota, Colombia | 1230 0130 0300 20300 20300 2130 04400 1200 0500 0700 0530 11200 0400 0400 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0400 0530 11300 0400 0400 0530 0400 0400 0530 0400 0530 0400 040 | 7085 7105 7105 7110 7110 7110 7110 7121 7125 7145 7150 7170 7195 7200 7200 7200 7210 7210 7210 7210 7210 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Dodurman R. Nat. Tchadienne RTY Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece R. New Zealand All India R. R. Tashkent | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'diamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Teheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela Ankara, Turkey Athens, Greece Wellington, New Zealand Delhi, India Taskkeht, USSR | 0400 0430 0430 1200 0530 2000 1230 1130 0630 0630 0630 0100 1500 1300 0130 1215 0700 1330 12145 0700 1330 2145 0400 2130 0100 0100 0100 0100 0100 0100 01 |
| 4810 4815 4820 4825 4832 4832 4832 4832 4840 4870 4872 4887 4889 4890 4990 4911 4920 4915 4920 4924 4924 4924 4924 4924 4930 4932 4940 4940 4940 4940 505 5020 5010 5015 5020 5038 5045 5075 5095 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVKB HCRQT HCRQT HCRQT HJGG HJAGE YVLK HJGG HJAGE HJGG HJGG HJGG HJGG | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura Australian B.C. R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Garaua Se Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua Solomon Is. B.S. R. Splendit R. Nat. Centrafricaine R. Bissau R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Sutaten B. Auth. | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Buiumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Harbin, Chima Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Vaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Viadivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. Guinea-Bissau Bogota, Colombia | 1230 0130 0300 20300 20300 2130 04400 1200 0500 0700 0530 11200 0400 0400 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0400 0530 11300 0400 0400 0530 0400 0400 0530 0400 0530 0400 040 | 7085 7100 7110 7110 7110 7120 7121 7145 7155 7150 7155 7170 7195 7200 7200 7210 7210 7210 7210 7210 7210 | To the state of th | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Bucharest R. Omdurman R. Nat. Tchadienne RTY Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece R. New Zealand All India R. R. Tashkent R. Tanzania R. Jarodan | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jeheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela Ankara, Turkey Athens, Greece Wellington, New Zealand Delhi, India Tashkeht, USSR Der es Salaam, Tanzania Amman, Jordan | 0400 0430 0430 0530 1200 0530 1230 1130 0630 0630 0630 0100 1500 0130 1215 0700 1330 1215 0700 1330 1215 0700 1330 1215 0700 1300 1300 1010 1010 1010 1010 1010 |
| 4810 4815 4820 4825 4832 4832 4832 4832 4840 4870 4870 4870 4870 4870 4870 4990 4990 4990 4990 4990 4991 4920 4920 4924 4924 4924 4924 4924 4925 5015 5015 5015 5020 5015 5020 5075 5090 5915 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVNK HCCR1 HCCR1 YVPA HJDH HJCQ HJAE YVLK HJCG HJAE HJGG HJGG HJGG HJGG HJGG HJGG | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RTV Ivorienne R. Yaracuy R. Colosal R. Nacional R. Santa Fe R. Rumbos R. Yaounde R. Ghana R. Barquisimeto IR. Andina Nat. Bureau Standards R. Garoua Vat. Centrafricaine R. Sissau R. Sutatenza R. | Galapagos Is. Maracalbo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanbin, China Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeto, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Vladivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. Guinea-Bissau Bogota, Colombia | 1230 0130 0300 0300 2030 2130 04400 1200 0500 0500 0500 0400 0100 0400 0100 0400 0100 0230 0100 1300 11300 11300 0400 0400 0500 0400 0500 0400 0500 0400 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0400 0500 0500 0400 0500 0400 0500 0500 0500 0500 0500 0600 06 | 7085 7105 7110 7110 7110 7110 7120 7121 7155 7170 7155 7170 7195 7200 7210 7225 7235 7200 7345 7412 7009 9009 9029 9460 9480 9481 9505 9510 9510 9510 9520 9520 9540 9560 9560 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Bucharest R. Noumea R. Not. Tchadienne RTY Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece R. New Zealand All India R. R. Tashkent R. Tanzania R. Jordan R. Australia V. Andes | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Modrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jeheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela Ankara, Turkey Athens, Greece Wellington, New Zealand Delhi, India Tashkent, USSR Der es Salaam, Tanzania | 0400 0430 0430 0530 2000 1230 1130 0830 0830 0800 0100 1500 0130 0130 1215 0700 1330 2145 1600 2300 1615 0400 2300 1610 2300 1610 2300 1610 2300 2300 2300 2300 2300 2300 2300 23 |
| 4810 4815 4820 4820 4823 4832 4832 4832 4840 4870 4870 4870 4870 4870 4870 4870 4870 4970 4970 4970 4970 4971 4972 4972 4973 4974 4974 4975 4970 4970 5010 5015 5020 5015 5020 5075 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVKB HCRQT HCRQT HCRQT HJGG HJAGE YVLK HJGG HJAGE HJGG HJGG HJGG HJGG | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. People's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura TV Ivorienne R. Yaracuy R. Calosal R. Nacional R. Santa Fe R. Rumbos R. Yacounde R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua Solomon Is. B.S. R. Splendit R. Nat. Centrafricaine R. Bissau R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Pakkistan | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Hanoi, North Vietnam Abidjan, Ivory Caast San Filipe, Venezuela Neiva, Calombia Bogota, Colombia Bogota, Colombia Bogota, Colombia Caracas, Venezuela Yaounde, Cameroun Accra, Ghana Barquisimeta, Venezuela Huancayo, Peru Ft. Collins, USA Garoua, Cameroun Vladivostok, USSR Honiara, Solomon Is. Cuenca, Ecuador Bangui, Cent. Afr. Rep. Guinea-Bissau Bogota, Colombia | 1230 0130 0300 0300 2030 2130 04400 1200 0500 0700 0530 1230 04400 0100 0300 0400 0100 0530 11300 0400 0100 0530 11300 0400 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0400 0530 11300 0530 11300 0530 11300 0400 0530 11300 0530 11300 0400 0530 11300 0530 11300 0400 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 11300 0530 053 | 7085 7105 7110 7110 7110 7110 7120 7121 7155 7170 7155 7170 7195 7200 7210 7225 7235 7200 7345 7412 7009 9009 9029 9460 9480 9481 9505 9510 9510 9510 9520 9520 9540 9560 9560 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Bucharest L'O Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece R. New Zealand All India R. R. Tashkent R. Tanzania R. Jarodan R. Australia V. Andes R. Nac. Peru | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Yladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mongolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jerusalem, Israel Jerusalem, Israel Jerusalem, Israel Jerusalem, Israel Jerusalem, Israel Jerusalem, Venezuela Ankara, Turkey Athens, Greece Wellington, New Zealand Delhi, India Tashkeht, USSR Der es Salaam, Tanzania Amman, Jordan Melbourne, Australia Quito, Ecuador Lima, Peru | 0400 0430 0430 0530 2000 1230 1130 0630 0630 0630 0100 1300 0130 1215 0700 1330 12145 1600 2300 1615 0400 2300 1615 0400 2300 1610 2300 1610 2300 1610 2300 1610 2300 1610 2300 1610 2300 1610 2300 2300 2300 2300 2300 2300 2300 23 |
| 4810 4815 4820 4820 4832 4832 4832 4834 4840 4870 4872 48870 4870 4870 4870 4900 4900 4900 4900 4915 4920 4920 4930 4930 4930 4930 4930 4930 4930 4930 4945 5000 5010 5010 5010 5010 5010 5015 5020 5036 5036 5036 5036 5036 5036 5036 5030 | YVMG OAX8X HRVC TIHB TIHB YVKB YVKB YVKB YVKB YVNK HCCR1 HCCR1 YVPA HJDH HJCQ HJAE YVLK HJCG HJAE HJGG HJGG HJGG HJGG HJGG HJGG | LV Galapogos R. Popular R. Samaren R. Evangelica R. Tanzania RTV Gabonaise R. Capital South African B.C. Poople's Liberation Army RTV Congolaise R. Nat. Mauritanie V. Revolution R. Republik Indonesia Ondas del Meta National B.C. R. Venevuela R. Cardac R. Juventud R. Zambia R. Ghana Australian B.C. R. Quito R. Equatorial R. Casa de la Cultura RIV Ivorienne R. Yaracuy R. Calosal R. Nacional R. Santa Fe R. Rumbos R. Yaounde R. Ghana R. Barquisimeto R. Andina Nat. Bureau Standards R. Garoua Solomon Is. B. S. R. Splendit R. Nat. Centrafricaine R. Bissau R. Sutatenza R. Sutatenza R. Sutatenza R. Sutatenza R. Prague | Galapagos Is. Maracaibo, Venezueld Iquitos, Peru Tegucigalpa, Honduras Dar es Salaam, Tanzania Franceville, Gabon San Jose, Costa Rica Johannesburg, South Africa Foochow, China Pte. Noire, Cango Nouakchott, Mauritania Cotonau, Benin Sorong, Indonesia Villavicencio, Colombia Port Moresby, Papua New Guinea Caracas, Venezuela Bujumbura, Burundi Barquisimeto, Venezuela Lusoka, Zambia Accra, Ghana Brisbane, Australia Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Ecuador Harbin, China Bata, Eq. Guinea Quito, Icuador Hanoi, North Vietnam Abidjan, Ivory Cast San Filipe, Venezuela Neiva, Colombia Bogota, Colombia | 1230 0130 0300 20300 20300 2130 04400 1200 0500 0700 0530 11230 0300 1200 0400 0400 0100 0400 0530 1100 0400 0530 1100 0400 0530 1100 0400 0530 0300 0400 0530 0400 0530 0400 0530 0400 0530 053 | 7085 7105 7105 7110 7110 7110 7110 7121 7125 7150 7175 7170 7200 7200 7200 7200 7200 7210 7210 | | R. France Int. R. Pyongyang R. Peking Turkish Meteorological R. 41 Meter Band—7 R. France Int. R. Nac. Espana R. Republik Indonesia R. Moscow R. Mali R. Peking relay R. Hargeisa Polish R. Lao Nat. R. R. Moscow R. Budapest R. Noumea R. Bucharest R. Noumea R. Bucharest R. Noumea R. Not. Tchadienne RTY Tunisienne Ulan Bator R. LV Revolution R. Sana'a R. Prague Israel B. Auth. 31 Meter Band—95 Israel B. Auth. V. Iran R. Peking R. Tirana R. Peking R. Tirana R. France Int. R. Japan R. Omdurman V. Free China R. Barquisimeto V. Turkey V. Greece R. New Zealand All India R. R. Tashkent R. Tanzania R. Jordan R. Australia V. Andes | Paris, France Pyongyang, N. Korea Pyongyang, N. Korea Peking, China Ankara, Turkey Paris, France Madrid, Spain Yogyakarta, Indonesia USSR Bamako, Mali Tirana, Albania Hargeisa, Somalia Warsaw, Poland Vientiane, Laos USSR Budapest, Hungary Noumea, New Caledonia Bucharest, Rumania Vladivostok, USSR Omdurman, Sudan N'djamena, Chad Tunis, Tunisia Ulan Bator, Mangolia Conakry, Guinea Sana'a, Yemen Prague, Czechoslovakia Jerusalem, Israel Jeheran, Iran Peking, China Tirano, Albania Paris, France Tokyo, Japan Omdurman, Sudan Taipei, Taiwan Barquisimeto, Venezuela Ankara, Turkey Athens, Greece Wellington, New Zealand Delhi, India Tashkeht, USSR Der es Salaam, Tanzania Amman, Jordan Melbourne, Australia Quito, Eccuador | 0400 0430 1200 0530 1200 0530 1230 1130 0630 0630 0100 1500 1300 1300 1215 0700 1330 1215 0700 1330 1215 0700 1300 1300 1300 1615 0400 2130 0500 0315 2000 2030 2030 2030 2030 2030 2030 203 |

| z | Call | Name | Location | GMT | kHz | Call | Name | Location | G# |
|-----|---------|----------------------------------|--------------------------------------|------|-------|-------------|--|---------------------------------|-------|
| 75 | | R. Canada Înt. | Montreal, Canada | 2100 | 15105 | =+ | British B.C. relay | Ascension Island | 1700 |
| 75 | | RTV Kaduna | Kaduna, Nigeria | 2200 | 15105 | _ | R. Japan | Tokyo, Japan | 0300 |
| 80 | | R. Zambia | Lusaka, Zambia | 2030 | 15110 | _ | R. Finland | Helsinki, Finland | 1400 |
| 30 | _ | V. Philippines | Manila, Philippines | 1400 | 15115 | HCJB | V. Andes | Quito, Ecuador | 160 |
| 85 | | R. RSA | Johannesburg, South Africa | 2230 | 15125 | _ | R. Portugal | Lisbon, Portugal | 163 |
| 90 | | R. Norway | Oslo, Norway | 1400 | 15125 | _ | V. Free China | Taipei, Taiwan | 020 |
| 00 | | R. Nac. Espana | Madrid, Spain | 1900 | 15130 | _ ' ' ' ' ' | R. New Zealand | Wellington, New Zealand | 030 |
| 05 | | Vatican R. | Vatican City | 0100 | 15130 | | R. Nac. Espana | Madrid, Spain | 143 |
| 05 | | R. Sweden | Stockholm, Sweden | 2315 | 15130 | WYFR | Family R. | Oakland, USA | 193 |
| 15 | _ | RTV Marocaine | Tangier, Morocco | 2000 | 15140 | _ | Swiss B.C. | Berne, Switzerland | 130 |
| 20 | | V. America relay | Wooferton, England | 2000 | 15145 | ZYB37 | R. Jornal do Comercio | Recife, Brazil | 2100 |
| 25 | | R. Cairo | Cairo, Egypt | 0130 | 15150 | | V. Chile | Santiago, Chile | 010 |
| 35 | ZYR236 | R. Aparecida | Aparecida, Brazil | 0930 | 15170 | _ | R. Berlin Int. | Berlin, E. Germany | 180 |
| 40 | _ TR230 | R. Korea | Seoul, S. Korea | 1100 | 15170 | _ | R. Denmark | Copenhagen, Denmark | 153 |
| | TIFC | Faro del Caribe | San Jose, Costa Rica | 0400 | 15170 | _ | R. Tahiti | Papeete, Tahiti | 010 |
| 47 | | R. Thailand | Bangkok, Thailand | 0930 | 15175 | _ | R. RSA | Johannesburg, South Africa | 183 |
| 50 | YVLM | R. Rumbos | Caracas, Venezuela | 0100 | 15180 | _ | All India R. | Delhi, India | 153 |
| 75 | OAZ4L | R. del Pacifico | Lima, Peru | 1130 | 15190 | _ | RTV Congolaise | Brazzaville, Congo | 190 |
| 90 | - | RAE 3 | Buenos Aires, Argentina | 0330 | 15195 | _ | R. Japan | Tokyo, Japan | 230 |
| 95 | = | R. Sweden | Stockholm, Sweden | 0245 | 15210 | _ | R. France Int. | Paris, France | 170 |
| 05 | XERMX | R. Mexico | Mexico City, Mexico | 2245 | 15245 | _ | L.V. Zaire | Kinshasa, Zaire | 200 |
| 10 | _ | South African B.C. | Johannesburg, South Africa | 0545 | 15250 | | V. America | Delano, USA | 020 |
| 10 | | RA1 | Rome, Italy | 0300 | 15275 | _ | Trans World R. | Bongire, Neth. Antilles | 220 |
| 15 | E | | Bongire, Neth, Antilles | 0530 | 15280 | KGEI | V. Friendship | San Francisco, USA | 003 |
| 15 | | R. Nederland relay Far East B.C. | Manila, Philippines | 1530 | 15325 | _ | Uganda B.C. | 'Kampala, Uganda | 180 |
| 15 | | R. Kuwait | Kuwait | 1645 | 15325 | | R. Veritas | Manila, Philippines | 000 |
| 15 | HCJB | V. Andes | | 1200 | 15330 | | R. Berlin Int. | Berlin, E. Germany | 130 |
| 20 | _ | | Quito, Ecuador Colombo, Sri Lanka | 0130 | 15330 | | American Forces RTS | Bethany, USA | 150 |
| 25 | | Sri Lanka B.C. | Berne, Switzerland | 0130 | 15335 | HJZP . | R. Nacional | Bogota, Colombia | 150 |
| 30 | | Swiss B.C. | | 2030 | 15350 | _ | L. V. Zaire | Kinshasa, Zaire | 190 |
| 40 | | Uganda B.C. | Kampala, Uganda | 1300 | 15365 | ETLF | R. V. Gospel | Addis Ababa, Ethiopia | 193 |
| 40 | - | British B.C. relay | Tebrau, Malaysia | | 15375 | HCJB | V. Andes | Quito, Ecuador | 230 |
| 45 | - | V, America relay | Kavalla, Greece | 0200 | 15385 | - | RAI | Rome, Italy | 170 |
| | - | Austrian R. | Vienna, Austria | 1600 | 15385 | XERMX | R. Mexico | Mexico City, Mexico | 220 |
| 45 | - | R. Bagdad | Baghdad, Iraq | 1930 | 15395 | - AEKMA | R. Moscow | USSR | 123 |
| 0 | | R. Sweden | Stockholm, Sweden | 1400 | 15400 | | | Dacca, Bangladesh | 05 |
| 70 | 4VEH | R. 4VEH | Cap Haitien, Haiti | 1200 | 15400 | YVKN | R. Bangladesh | Caracas, Venezuela | 223 |
| 30 | _ | R. Sanaa | Sanaa, Yemen | 2100 | 15415 | | R. Nacional | | 073 |
| 30 | - | R. Kiev | USSR | 0300 | | VLW15 | R. Prague | Prague, Czechoslovakia | |
|)5 | _ | R. Cairo | Cairo, Egypt | 2230 | 15425 | DZF8 | Australian B.C. | Perth, Australia | 010 |
| 40 | - | R. Peking | Peking, China | 0000 | 15440 | | Far East B.C. | Manila, Philippines | / 233 |
| 530 | _ | R. Alma Ata | Alma Ata, USSR | 1900 | 15445 | _ | R. Nac. Brasilia R. Espana Independente | Brasilia, Brazil Clandestine | 123 |
| | | | | | 15520 | | R. Pakistan | Karachi, Pakistan | 050 |
| | | | | | 191 | | • | | |
| | | 25 Meter Band—1 | 1700-11075 LH- | | | | | | |

| 11620 — | All India R. | Delhi, India | 1730 |
|------------|---|---|------|
| 11630 - | R. Cairo | Cairo, Egypt | 2230 |
| 11655 — | Israel B. Auth. | Jerusalem, Israel | 1200 |
| 11675 — | R. Peking | Peking, China | 0000 |
| 11705 - | R. France Int. | Paris, France | 1700 |
| 11705 — | R. Japan | Tokyo, Japan | 0000 |
| 11710 — | RAE | Buenos Aires, Argentina | 2330 |
| 11715 - | R. Cairo | Cairo, Egypt | 2000 |
| 11715 — | Far East B. Assoc. | Victoria, Seychelles | 1845 |
| 11720 KGE | | San Francisco, USA | 0000 |
| 11730 - | R. Nederland relay | Talata, Malagasy Rep. | 1900 |
| 11730 — | R. Nederland relay | Bonaire, Neth. Antilles | 0000 |
| | British B.C. relay | Limassol, Cyprus | 0600 |
| 11760 — | R, Tashkent | Tashkent, USSR | 1130 |
| 11770 — | All India R. | Delhi, India | 2330 |
| 11775 WIN | | Red Lion, USA | 2145 |
| | | Brasilia, Brazil | 2100 |
| 11780 PRL8 | | Stockholm, Sweden | 1800 |
| 11780 — | R. Sweden | Colombo, Sri Lanka | 1400 |
| 11800 — | Şri Lanka B.C. | Rio de Janeiro, Brazil | 0000 |
| 11805 ZYZ | | | 2300 |
| 11810 — | RTV Algerienne | Algiers, Algeria | 0300 |
| 11815 — | Polish R. | Warsaw, Poland | |
| 11820 — | R. Nederland | Hilversum, Netherlands | 1630 |
| 11825 — | R. Tahiti | Papeete, Tahiti | 0330 |
| 11830 — | Vatican R. | Vatican City | 1700 |
| 11835 CXA | | Montevideo, Uruguay | 0100 |
| 11850 — | R. Ghana | Accra, Ghana | 2030 |
| 11850 — | K. Korea | Seoul, S. Korea | 0500 |
| 11860 — | K. Norway | Oslo, Norway ' | 1530 |
| 11870 — | Swiss B.C. | Berne, Switzerland | 1530 |
| 11877 ZYC | 40 R. Soc. Bahia | Salvador, Brazil | 0000 |
| 11880 - | R. Moscow | Moscow, USSR | 1300 |
| 11880 - | K. Nac. Espana | Madrid, Spain | 0330 |
| 11890 ETLI | R. V. Gospel | Addis Ababa, Ethiopia | 1615 |
| 11890 — | k. France Int. | Paris, France | 1700 |
| 11900 — | R. RSA | Johannesburg, S. Africa | 2230 |
| 11920 HCJ | | Quito, Ecuador | 0000 |
| 11920 — | RTV Ivorienne | Abidian, Ivory Coast | 1930 |
| 11925 — | R. Tashkent | Tashkent, USSR | 1200 |
| 11930 — | R. France Int. | Paris, France | 1700 |
| 11935 ZYS | | Curitiba, Brazil | 0000 |
| 11935 - | R. Portugal | Lisbon, Portugal | 0430 |
| 11940 — | R. Kuwait | Kuwait | 1730 |
| | RTV Belge - | Brussels, Belgium | 1800 |
| | | Bucharest, Rumania | 1300 |
| | k. Bucharest /A Sudan Interior Mission | | 2100 |
| 11945 ELW | | | 2000 |
| 11970 - | R. RSA | Johannesburg, South Africa Hanoi, S. Vietnam | 1230 |
| 12032 — | V. Vietnam | | 2300 |
| 12050 — | R. Moscow | Moscow, USSR | |
| 12120 — | R. Peking | Peking, China | 0000 |

19 Meter Band—15100-15450 kHz

| | | | | | _ |
|-------|---|---|-----------------|-------------------|-------|
| 15010 | _ | | V. Vietnam | Hanoi, N. Vietnam | 1230 |
| 15060 | _ | | R. Peking | Peking, China | 1300 |
| 15070 | _ | - | British B.C. | London, England | 1330 |
| 15080 | _ | | All India R. | Bombay, India | 1800 |
| 15085 | _ | | R. Teheran | Teheran, Iran | 1500 |
| 15100 | _ | | Israel B. Auth. | Jerusalem, Israel | 1 400 |

| 17700 | _ ` | R. Berlin Int. | Berlin, E. Germany | 0900 |
|-------|--------|----------------------|-----------------------|------|
| 17720 | | V. Free China | Taipei, Taiwan | 0230 |
| 17720 | _ : | R. France Int. | Paris, France | 1530 |
| 17755 | HCJB 1 | V. Andes | Quito, Ecuador | 1830 |
| 17765 | _ | Deutsche Welle relay | Klgali, Rwanda | 1330 |
| 17770 | _ | R. Sweden | Stockholm, Sweden | 1330 |
| 17795 | _ | R. Australia | Melbourne, Australia | 0230 |
| 17800 | _ | R. Norway | Oslo, Norway | 1400 |
| 17810 | | R. Nederland relay | Talata, Malagsay Rep. | 1100 |
| 17840 | _ | Vatican R. | Vatican City | 0900 |
| 17845 | _ | R. Pakistan | Islamabad, Pakistan | 1730 |
| 17880 | _ | R. Portugal | Lisbon, Portugal | 1400 |
| 17920 | _ | R. Cairo | Cairo, Egypt | 1430 |

13 Meter Band-21450-21750 kHz

| | _ | | | |
|-------|---|--------------------|----------------------------|------|
| 21460 | _ | RTV Belge | Brussels, Belguim | 1600 |
| 21480 | _ | R. Nederland relay | Talata, Malagasy Rep. | 1230 |
| 21485 | | V. America | Bethany, USA | 1900 |
| 21500 | _ | V. America | Greenville, USA | 1930 |
| 21535 | _ | R. RSA | Johannesburg, South Africa | 1430 |
| 21620 | _ | R. France Int. | Paris, France | 1600 |
| 21630 | _ | British B.C. | London, England | 1330 |
| 21700 | | R. Portugal | Lisbon, Portugal | 1630 |

Credits. Jim Young, CA; William Sparks, CA; Ralph Perry, IL; Marlin Field, MI; Bob Padula, Australia; Robert Beaudoin, CT; Guy Dunn, NJ; Mike Willis, Australia; James Conrad, IA; Brent Locher, MI; Lauren Ware, VA; Irving Leffler, NY; Bob Hill, CA; John Moritz Jr., OH; John Tuchscherer, WI; Ernest Behr, ONT.; Jack Jones, MS; Jerry Lineback, IL; Alan Mayer, IL; Charles Hoffman, PA; Robert Keeney, KS; Pat McKrell, CA; Richard Schwartz, DE; Robert Zilmer, WI; Glenn Thompson, NM; David Walcutt, WI; Bob McCoy, NE; Harry Helms, SC; Rick Carr, IL; Jack Conover, PA; Greg Merklin, KS; Stephen Pitts, OR; Albert Miller, OH; Dave Pollard, MANATOBA; Robert Yajko, PA; Adam Gaffin, NY; David Ball, ONT.; Mike Hardester, CA; Jerry Slaff, NY; Wade Smith, MA; W. J. Pearson, PA; Peter Schipelliti, MA; Don Aston, OH; Jay McGonnell, MA; Ken Earhart, PA; North American SW Association, Box 13, Liberty, IN 47353; American SWL Club, 16182 Ballad Lane, Huntington Beach, CA 92649.



THREE SHORTCUTS TO YOUR FIRST SHORTWAVE ANTENNA

BEGINNERS to the shortwave listening (SWL) hobby have no difficulty in obtaining good receivers, either budget jobs or gold-plated specials, when starting their first listening shack. Putting up antennas is their downfall.

Antenna theory is beyond the grasp of most novices. It is very complex at the beginning and rapidly becomes incomprehensible as different antenna types are introduced. So, why not take a shortcut approach to your first antenna installation. Get your new receiver pulling weak signals as you pile up listening hours with exotic DXing. What about antenna theory? It'll come if you work at it by reading theory books, but in the meantime here are three recorded case histories to low-cost antenna shortcuts which may be profitable.

Case No. 1—The Dangler. Harry is a youngster I met while giving a talk to the local high school student body during Science Fair Week. Harry was fascinated by the idea of English language newscasts from far-away places, so he bought a Realistic DX-160 receiver and set up a listening corner in his upstairs room in his folks' Colonial-style house. For an antenna, he dangled an odd length of wire out the window, letting it drop to the ground. The BBC and Radio Moscow came in fine except on rainy nights. In fact, it was a rainy evening when he rang my doorbell for help.

Harry's long wire was long and that's all it had going for it. It was vertically polarized (wrong) by hanging down and shorted out to ground (not good either) on damp nights. What Harry needed was a length of wire extended from the window to a distant pole, outbuilding, garage, or tree. In Harry's case, some sturdy trees outlined the

houses's property line and he could run a 60-foot antenna with no difficulties. The antenna pointed due North-West and in his area of the U.S. was able to pull in Europe, North Africa, and the Near East with ease. Here's how we went about licking Harry's problem.

First, I told Harry that a good long-wire antenna should be at least 30 to 100 feet long for good reception performance on 2 to 30 megaHertz (MHz). As mentioned earlier, a 60-foot run was possible. A sturdy tree was selected because it hardly swayed in strong winds at the 20-foot level where the antenna would be secured. Some slack (one foot of droop) was left in the antenna to compensate for tree sway and strong winds. Harry's antenna details can be seen in Fig. 1.

Antenna wire and antenna long wire kits are available everywhere. Harry actually used the Radio Shack shortwave antenna kit (278-758) which consists of 75 feet of bare copper antenna wire, 50 feet of lead-in wire, four insulators, and instructions. Harry had no trouble at all getting the antenna up.

Harry was a little smarter than me. He remembered to protect against lightning. Since shortwave lightning arrester kits are usually not available locally, Harry made do with lightning arrester parts made for TV. The parts available from Radio Shack include the arrester (15-911), ground rod (15-530), 40 feet of aluminum wire (15-035), and other small parts. The TV arrester has two screw-tight terminals with star washers for the 300-ohm TV line, however Harry only used one for his antenna and the other was left unused. The whole lightning installation bit came to about \$5.00. That's cheap. To bring the antenna lead-in into the house, Harry used a "Wall-Thru" tube

by Hank Scott

FIRST SHORTWAVE ANTENNA

(Radio Shack 15-1200).

Now I don't see much of Harry. Maybe once in a while he's at the Pizza joint with a date, but you can be sure Harry's getting a lot of DXing and

veries every week.

Case No. 2—The Specialist. I've known Mort for over 20 years. We' knocked about through high school and somehow the paths of our lives are forever crossing. At one such juncture, Mort invited me to his home to see his new shortwave listening shack which sported a brand-new freshly assembled Heath GR-78 receiver. The GR-78 is a hot receiver. Unfortunately, I couldn't say the same for Mort's antenna. Mort was always inclined to specialize, and he had rigged up a dipole antenna with 300-ohm TV antenna lead-in wire. Mort wanted to log the 41-meter band and found it offered poor reception in his area. Besides, the noise was too high. He was asking, if not pleading, for advice.

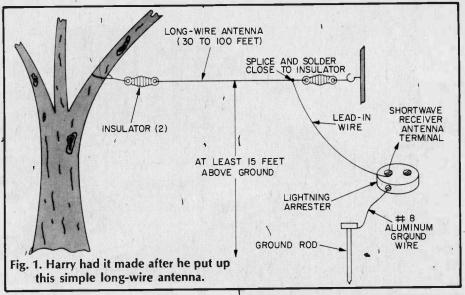
First of all, I told Mort that dipole antennas are cut to exact dimensions for specific frequency bands as shown in Fig. 2. The dipole consists of a wire of a specific length which is cut in half. At the mid-point and both ends, each half of the wire is insulated from each other and insulated from ground. The lead-in cable from the antenna is actually two wires, and it's best to use a 73-ohm coaxial cable (coax) because it is inexpensive and commonly avail-

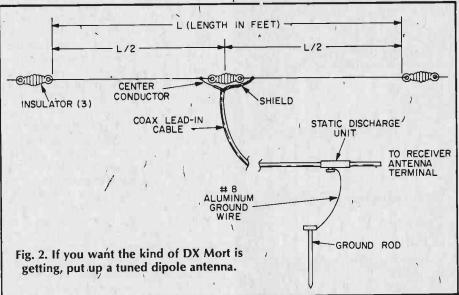
Dipole Overall Length for the Shortwave Broadcast Bands

| Band | Frequencies (kHz) | Mid- Frequencies (kHz) | Length (feet— inches) |
|------|----------------------|------------------------------|-----------------------------|
| 120 | 2300-2495 | > 2397.5 | 195-2 |
| 90 | 3200-3400 | 3300 | 141-10 |
| 75 | 3800-4000 | 3900 | 120-0 / |
| 60 | 4750-5060 | 4905 | 95-5 |
| 49 | 5950-6200 | . 6075 | 77—0 |
| 41 | 7100-7300 | 7200 | 65-0 |
| 31 | 9500-9775 | 9637.5 | 48—7 |
| 25 | 11700-11975 | ,11837.5 | 39-6 |
| 19 | 15100-15450 | 15275 | 308 |
| 116 | 17700-17900 | 17800 | 26-3 |
| 13 | 21450-21750 | 21600 | 21—8 |

Coax Lead-in Cable

| Coun Loud | | |
|-------------|-------------|---|
| Cable Type | Typical Ohm | S |
| RG-11/U | . 75 | |
| RG-59/U | 73 | |
| RG-59A/U | 75 | |
| 'RG-59B/U \ | 75 | |
| F-11/U | 75 | |
| F-59/U · | 73 | |





able. Without getting into theory, let me say that a 73-ohm coax lead-in cable "matches" a dipole antenna with less signal loss than does a 300-ohm TV twin-lead cable. On the design board, dipoles have a 75-ohm impedance and match pretty well into 73-ohm coaxes. The 300-ohm cable Mort was using was a bust.

The equation for determining the overall length for a dipole antenna at a given frequency is determined by dividing the given frequency in kiloHertz into the number 468,000. Or, as seen in the text books:

$$\frac{L = 468,000}{f}.$$

Where L is the overall length of the dipole in feet and f is the desired reception frequency in kiloHertz (kHz). I computed the overall length for dipole antennas to receive the international shortwave broadcast bands using the mid-frequencies of each band and listed

them in a table that appears on this page.

When buying materials for a dipole antenna, wire and insulators are the same type as required for the long wire antenna. The lead-in coaxial cable should be RG-59/U or RG-11/U, each of which exhibits 73-ohms impedance. Stay away from unknown coax types or those with different impedances (ohms). As a guide, a table given on this page lists commonly available coax cables and their impedances. Any coax exhibiting an impedance in the 70's is good for the purpose. Let price dictate your selection.

I did not forget the lightning arrester in Mort's antenna. At the window, out of reach of the rain, I installed a Radio Shack coax static discharge unit (21-1049). This gadget requires PL-259 connector on the coax lead-in cable. It's worth the trouble. A grounding screw on the connector attaches to the

(Continued on page 98)

LITERATURE

- 301. Get acquainted with the new EICO products, designed for the professional technician and electronics hobbyist. Included in brochure are 7 IC project kits, EICO's "Fonealds," security products and many varied kits.
- 302. International crystal has illustrated folders containing product information on radio communications kits for experimenters (PC boards; crystals; transistor RF mixers & amplifiers; etc.).
- 303. See brochures on Regency's 1977 line-up of CB transceivers & scanner receivers (for police, fire, weather, & other public service emergency boadcasts).
- 304. Dynascan's new B & K catalog features test equipment for industrial labs, schools, and TV servicing.
- 305. Before you build from scratch, check the Fair Radio Sales latest catalog for surplus gear.
- 306. Get Antenna Specialists' catalog of latest mobile antennas, test equipment, wattmeters, accessories.
- 307. Want a deluxe CB base station? Then get the specs on Tram's super CB rigs.
- 308. Compact is the word for Xcelite's 9 different sets of midget screwdrivers and nutdrivers with "piggyback" handle to increase length and torque. A handy show case serves as a bench stand also.
- 310. Turner has two booklets on their Signal Kicker antennas. They give specifications and prices on their variety of CB base and mobile line. Construction details help in your choice.
- 311. Midland Communications' line of base, mobile and hand-held CB equipment, marine transceivers. scanning monitors, plus a sampling of accessories are covered in a colorful 18-page brochure.
- 312. The EDI (Electronic Distributors, Inc.) catalog is updated 5 times a year. It has an index of manufacturers literally from A to X (ADC to Xcelite). Whether you want to spend 29 cents for a pilotlight socket or \$699.95 for a stereo AM/FM receiver, you'll find it here.
- 313. Get all the facts on Progressive Edu-Kits Home Radio Course. Build 20 radios and electronic circuits; parts, tools, and instructions included.
- 315. Trigger Electronics has a complete catalog of equipment for those in electronics. Included are kits, parts, ham gear, CB, hi fi and recording equipment.
- 316. Get the Hustler brochure illustrating their com-
- plete line of CB and monitor radio antennas. 317. Teaberry's new brochure presents their com-

- 321. Cornell Electronics' "Imperial Thrift Tag Sale" Catalog features TV and radio tubes. You can also find almost anything in electronics.
- 322. Radio Shack's 1977 catalog colorfully illustrates their complete range of kit and wired products for electronics enthusiasts-CB, ham, SWL, hi-fi, experimenter kits, batteries, tools, tubes, wire, cable, etc.
- 323. Get Lafayette Radio's "new look" 1977 catalog with 260 pages of complete electronics equipment. It has larger pictures and easy-to-read type. Over 18,000 items cover hi-fi, CB, ham rigs, accessories, test equipment and tools.
- 327. There are Avanti antennas (mobile & base) for CB transceivers and scanner receivers, fully described and illustrated in a new full-color catalog.
- 328. A new free catalog is available from McGee Radio. It contains electronic product bargains.
- 329. Semiconductor Supermart is a new 1977 catalog listing project builders' parts, popular CB gear, and test equipment. It features semiconductorsall from Circuit Specialists.
- 330. There are over 400 electronic kits described in Heath's new catalog. Virtually every do-it-yourself interest is included-TV, radios, stereo & 4-channel, hi-fi, etc.
- 331. E. F. Johnson offers their CB 2-way radio catalog to help you when you make the American vacation scene. A selection guide to the features of the various messenger models will aid you as you go through the book.
- 332. If you want courses in assembling your own TV kits, National Schools has 10 from which to choose. There is a plan for Gls.
- 334. Sprague Products has L.E.D. readouts for those who want to build electronic clocks, calculators, etc. Parts lists and helpful schematics are included.
- 335. The latest edition of Tab Books' catalog has an extensive listing of TV, radio and general servicing manuals.
- 337. Pace communications equipment covers 2-way radios for business, industrial and CB operations. Marine radiotelephones and scanning receivers are also in this 18-p. book.

- 338. "Break Break," a booklet which came into existence at the request of hundreds of CBers, contains real life stories of incidents taking place on America's highways and byways. Compiled by the Shakespeare Company, it is available on a first come, first serve basis.
- 342. Royce Electronics' new full-color catalog updates information on their CB transceivers (base, mobile, handheld). It also describes new product lines-CB antennas and a VHF marine radiotelephone.
- 344. For a packetful of material, send for SBE's material on UHF and VHF scanners, CB mobile transceivers, walkie-talkies, slow-scan TV systems, marine-radios, two-way radios, and accessories.
- 345. For CBers from Hy-Gain Electronics Corp. there is a 50-page, 4-color catalog (base, mobile and marine transceivers, antennas, and accessories). Colorful literature illustrating two models of monltor-scanners is also available.
- 350. Send for the free NRI/McGraw Hill 100-page color catalog detailing over 15 electronics courses. Courses cover TV-audio servicing, industrial and digital computer electronics, CB communications servicing, among others. G.I. Bill approved, courses are sold by mail.
- 352. Send for the free descriptive bulletin from Finney Co. It tells all about their new auto FM radio signal booster (eliminates signal fading).
- 353. MFJ offers a free catalog of amateur radio equipment-CW and SSB audio filters, electronic components, etc. Other lit. is free.
- 354. A government FCC License can help you qualify for a career in electronics. Send for Information from Cleveland Institute of Electronics.
- 355. New for CBers from Anixter-Mark is a colorful 4-page brochure detailing their line of base station and mobile antennas, including 6 models of the famous Mark Heliwhip.
- 356. Send for Continental Specialties new breadboarding prototest devices. They vary in prices from a mini-budget kit at \$19.95. Featured is the new logic monitor, giving information on what It does, how it works, and how to use it.
- 357. Dage Scientific Instruments offers a 16-page booklet on how to build an electronic thermometer with control. Included is an introductory course on thermocouples, schematics and many applications.

Go CB Today!

(Continued from page 38)

amount of loss, however, that they would have suffered in 50 feet of less expensive type RG-58A/U coaxial cable would have been insignificant to the point of being practically undetectable in their most difficult communications. A 50-foot length of RG-58A/U cable would cost about \$3.70, and the two connectors 60¢ each—or you can buy the cable with the connectors already attached for \$6; and since putting the connectors onto the cable is a tricky soldering job for a novice, it's an affordable luxury you might wish to use to your advantage.

The Bottom Line. Now let's see where we stand—a CB rig for about \$80, a \$13 antenna atop a \$25 mast, connected together with \$6 worth of cable. Grand total, including a few extra dollars for miscellaneous hardware: about \$125 for a complete, effective, and versatile CB station—about 1/10th the cost of going the full route!

Maybe you'd like to think of it as a 90 percent discount, or a \$1200 rebate—for certainly you will have effective local coverage with this shoestring CB station. After all is said and done, what more did you really want?

The editors of COMMUNICATIONS WORLD are providing their readers with a free booklet from the Electronics Industries Association (EIA) about CB radio. If you would like a copy, just fill out the coupon, check the correct box, and send it in. And don't forget "Kathi's CB Notes" for straight info on how to get and fill out an FCC license application. And if you want to stay current on what's happening in CB, follow Kathi Martin's CB column in every issue of ELEMENTARY ELECTRONICS.

FIRST SW ANTENNAS

· (Continued from page 96)

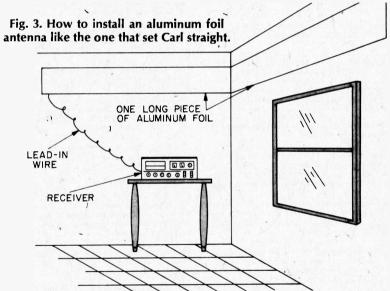
grounding wire and ground rod. An ounce of prevention can save your home.

A dipole has some bonuses. For example, a dipole works equally as well on frequencies three times the designed frequencies. Thus, a 41-meter band dipole which will pull in 7100-7300 kHz signals will also receive 21300-21900 kHz which covers the 13-meter band. Or, if there is sufficient space to string a 195-ft. 2-in. antenna for the 120 meter band (2300-2495 kHz), then you could pull in the 120, 41 and 13-

taboo.

I heard his sad story and told him to have his lease available when I visited him the following weekend. When I came to visit, I could see that the lease was "ironclad", so much so that it made baseball's reserve clause seem wishywashy. That was it, no outdoor antenna for Carl.

I did make him somewhat happy by showing him an old trick. I connected the antenna lead-in wire to the metal finger stop on his phone's dialing mechanism. Reception was good considering the construction of the building, which killed reception even for parts of the AM broadcast band. This was a temporary measure since Carl



meter bands. Of course, if you want all the shortwave bands, then your best bet is a commercial dipole antenna with built-in wave traps.

Don't see much of Mort anymore except at the supermarket. Seems he's a "stay-at-home" type lately. Happy DXing, Mort.

was soon to get pushbutton phones.

Carl was all set to return to the flea market and unload his Drake receiver. He even told me he had planned to panel his room to give the listening shack a comfortable air, but now he wouldn't. "Now just a minute, before you quit," I said to Carl, "let's give it a try." We swiped his wife's kitchen roll of wrapping aluminum and hung it on the wall with masking tape. Two walls were outside walls, so this is where we placed the foil. Fig. 3 shows what we did. It looked kind of silly until we

CLASSIFIED MARKET PLACE

COMMUNICATIONS WORLD—PUBLISHED SEMI-ANNUALLY. The rate per word for Classified Ads is \$1.00 each insertion, minimum ad \$15.00 payable in advance. Capitalized words 40¢ per word additional, To be included in next issue, write to R. S. Wayner, DAVIS PUBLICATIONS, INC., 229 Park Ave. So. NY 10003.

ADDITIONAL INCOME

HOMEWORKERS WANTED!! OUTSTANDING OP-PORTUNITY, IMMEDIATE INCOME!! INFORMA-TION: SEND STAMPED-ADDRESSED ENVELOPE. Dennis Kolata, 1008 So. 88th St., West Allis, WI 52214.

DOLL FURNITURE you can make for extra income-L. & H. Reasearch, 356 Willard St., Jamestown, NY 14701, \$2.50.

\$200 WEEKLY mailing circulars. Samples 25¢. Grahamco DPBX 99371, Tacoma, WA 98499.

AUTHOR'S SERVICE

Publish your own book! Join our successful authors: publicity advertising promotion, beautiful books, All subjects invited, Send for free manuscript report and detailed booklet. Carlton Press, SMI, 84 Fifth Avenue, NY 10011.

BIG MAIL

\$1.00 LISTS you with 5,000+ wholesalers, manufacturers, etc. Maxmailers, P.O. Box 268, Barker, NY 14012.

BLUEPRINTS, PATTERNS & PLANS

NEW CRAFT PRINT CATALOG—Choose from over 100 great easy-to-build plans. Send \$1.50 (completely refunded with your first order). BOAT BUILDER, (CP Div.)—229 Park Avenue South, New York, NY 10003.

BOOKS & PERIODICALS

SENSATIONAL BOOK BARGAINS! Lowest discount prices. Tremendous selections, various categories. Illustrated catalog free! RELIANCE, Dept. (CW)-69, 666 Prospect Street, Suite 405, Honolulu, Hawaii 96813.

INCOME, Educational, Professional Sports, Music, List 25¢. Wright's, C-222-S.M., Clintonville, WI 54929.

CBer's! Personalized CB decal with a 1-year subscription to Elementary Electronics only \$3.97. E/E, the magazine that covers CB and all areas of radio communication. Send check: Elementary Electronics. Decal Dept., 229 Park Av. S., New York, NY 10003.

BUSINESS OPPORTUNITIES

MAKE Magnetic Signs, Big Profits, Details, Universal, Lenora, KS 67645,

1000% PROFIT Bronzing Baby Shoes. Free Literature, NBC, Box 1904 DG, Sebring, FL 33870.

FREE Secret Book "2042 Unique, Proven Enterprises." Fabulous "Little Knowns" Work Home! HAYLINGS-E-14, Carlsbad, CA 92008.

\$30.00 HUNDRED Stuffing Our Circulars Into Stamped Addressed Envelopes, Immediate Earnings. Beginners Kit \$2.00, COLOSSI, 1433-61 Street, DC-8, Brooklyn, NY 11219.

\$178.00 WEEKLY, Work one hour daily, Guaranteed, FAS, Box 13703-E, San Antonio, TX 78213.

HOMEWORK! BIG MONEY addressing, mailing envelopes. Exciting offer 10¢. Linco Services, 3636 Peterson, Chicago, 60659.

\$25 DAILY POSSIBLE stuffing envelopes! Free details. Service, Box 715D, Lynbrook, NY 11563.

\$ PRE-CAST Concrete \$, Professional Instructual Manuals. Concrete fence posts, ranchers homeowners \$3.00 Stepping stones-square, rectangular \$2.00, All-West Enterprises, Box 106 (PI), White Rock, British Columbia, Canada V4B227.

NEED CASH? If not, don't answer this ad. Send \$1.00 to: Jeffries, P.O. Box 9632-D, Seattle, Wash. 98109.

AMAZING PROFITS!! Mailing baby catalogs. PAT-MAR, Box 5358, Fort Wayne, IN 46805.

\$10,000 GUARANTEED OR OWE ME NOTHING. No competition \$1000 per hour possible. Details Free. American, Dept. G, P.O. Box 11065, Orlando, FL 32803.

BUY IT WHOLESALE

SAVE MONEY! Buy low cost Unusual Christmas items. (5) catalogs. \$2.00 Winchester Enterprises. 2807SS Hargrave Street, Phila, PA 19136.

DETECTIVES

CRIMEFIGHTERS! SHOPLIFTING!
LOCK PICKING! DEbugging! All 3 for \$5.00.
Don-Q, Box 548-dv, Seattle, WA 98111.

DO IT YOURSELF

STOP PAYING EXPENSIVE TV REPAIRS. "Do it yourself." New, easy, method. Details free. Publications, Box 517, Brea, CA 92621.

PROJECTION TELEVISION: Ingenious idea enables you to create a 6' wide picture from your own T.V. Plans, instruction and PRECISION LENS only \$15.95. F. J. KELLY, Dept. B, Box 8, Levittown, PA 19059.

EDUCATION & INSTRUCTION

UNIVERSITY DEGREES BY MAIL Bachelors, Masters, Ph.D.s... Free revealing details. Counseling. Box 389-HF-9. Tustin, CA 92680.

METRIC SYSTEM of Weights and Measures. The change is coming quickly of American adoption of the System International. New Manual by Neil Holland \$2.00 Ppd. Pikes Enterprises, P.O. Box 5730, Pikesville. MD 21208.

RADIO BROADCASTING: High paying jobs, free records—tapes—equipment! START OWN STATION! Free booklet, "Radio!" Box 5516-G15, Walnut Creek, CA 94596.

EMBLEMS & DECALS

CUSTOM SWISS EMBROIDERED EMBLEMS ALSO DECALS, BUTTONS AND T-SHIRTS. ROMAR DISTRIBUTORS, BOX 2074, WHITTIER, CA 90610.

GIFTS THAT PLEASE

PUKA shell choker! Authentic Hawaiian-sparkling white, grade A with turquoise-\$11.79. Agate beggars' beads necklace-50 inch-\$19.19. Crazy Heish: Choker (mixed natural shells)-\$3.97. Order now, The Howling Owl, P.O. Box 1060, Springfield, VA 22151.

AMAZING free catalog. Selected and distinctive gifts, novelties, items for home, family and friends. Also selected home money making crafts, ideas, hobbys, and retirement projects. Harold's Gifts & Novelties, 500 Trans Mtn Rd., C-54, Dept. DP07, Canutillo, TX 79835.

HYPNOTISM

FREE Fascinating Hypnosis Information! Startling! DLMH, Box 487, Anaheim, CA 92805.

IMPORT-EXPORT

IMPORT EXPORT—Make money right from your home without investing in merchandise. Includes World Traders Digest and Directory of Foreign Suppliers, Booklet EMO-58E \$1.50. Holley House, 20 Main Street. Box 57. Maine. NY 13802.

MISCELLANEOUS

NOISELESS heel taps 10 pairs \$3.00. Smallworld, Miami, FL 33142.

MONEYMAKING OPPORTUNITIES

STUFF MAIL ENVELOPES!! \$250.00 profit per thousand possible. Offer details: Stamped self-addressed envelope. Kings, B-21487K-CW-96, Ft. Lauderdale, FL 33316.

I make \$52,000 yearly mailing letters. How? Write: Sandco-Io, Ceres, CA 95307.

MONEYBROKERS needed! Large earnings guaranteed! Full training! JLS Associates, 391 Gregg, Buffalo Grove, IL 60090.

\$500.00 PROFIT Stuffing 1000 envelopes. 25 Cents Details: Canapro Enterprises, Box 215C, Station "H," Montreal, Que., Canada.

\$CASH\$ CLIPPING NEWSPAPER ITEMS/Addressing envelopes. Information Free! Income, Box 721D, Lynbrook, NY 11563.

MONEYMAKING OPPORTUNITIES-Cont'd

\$150.00 WEEKLY stuffing our circulars into stamped addressed envelopes. Guaranteed earnings. Beginners kit \$2.00. Malone Box 42-DC7, Brooklyn, New York 11228.

MAKE YOUR CLASSIFIED AD PAY. Get "How to Write A Classified Ad That Pulls." Includes certificate worth \$2.00 towards a classified ad. Send \$1.50 (includes postage) to R. S. Wayner, Davis Publications, Inc., 229 Park Avenue South, New York, NY 10003.

EARN Immediately Stuffing Envelopes, Send Samped Addressed Envelopes Lewis, Box 8075-B, Richmond, VA 23223.

BECOME our OPEN HOUSE PARTY PLAN REP-RESENTATIVE. Free starting kit. Send \$1.00 postage handling. Rayway, 128 Isabelle Street, Metuchen, NJ 08840.

WILL You actually (really & truly) address, stuff and mall 20 envelopes a day? Then don't let's mess around. Send \$3 and we'll show you how to make up to \$1,000 monthly and even much more. Guaranteed! Contractual Arrangements. Habersham Hall, Box 613-Y, Pedro, CA 90733.

MAKE money. Turn your ideas into cash. Booklet reveals positive plan. Only \$1.50. Hub Service, 1075 Main, Box 64, Moncton, N.B., Canada ElCiH2.

WOULD you like to receive 100 letters daily-each containing \$2. Will send copy of plan plus 6 formulas. Sead \$2.00 JAF, Box 574, King of Prussia, PA 19406.

PERSONAL

"DATE WITH DIGNITY" Professional Matching. Drawer 6765, Fort Worth, 76115 (817) 921-0281 Anytime.

1000 LADIES Photos matrimonial catalog-\$3.00. Intercontact, Box 737, Lauderdale, FL 33302.

JAPANESE Girls Make Wonderful Wives. We have large number of listings. Many interested in marriage. Only \$1.00 brings application, photos, names, descriptions, questionnaire, Etc. Japan International, Box 156 AA, Carnelian Bay, CA 95711.

DON'T DIE without a will. Protect your family.
Two blank WILL FORMS and WILL PAMPHLET
\$2.00 postpaid. Guaranteed SAVE! Four blank will
forms and pamphlet \$3.50. HERITAGE GIFTS, 1031A West 2nd Street, Portales, NM 88130.

BEAUTIFUL MEXICAN GIRLS Wanting American Boy-Friends. Details. Photos "Free." World, Box 3876-DC, San Diego, CA 92103.

DATES GALORE! Meet singles-anywhere. Call DATELINE, toll-free (800) 451-3245.

IMPROVE your I.Q.! "27 ways to improve your I.Q." \$2.00 Tara's, IQ3, Rt. 6, Larkwood Dr., Rome, GA 30161.

SINGLE? Widowed? Divorced? Nationwide introductions! Identity, Box 315-DC, Royal Oak, MI 48068.

JAPANESE introductions! Girls' photographs, descriptions, brochure, details. \$1.00 INTER-PACIFIC. Box 304-SC, Birmingham, MI 48012.

ADULT pleasure products—over 600 items! Giant catalog \$1.00. Clifton's, D-1068, Saugus. CA 91351.

PHOTOGRAPHY—PHOTO FINISHING & SUPPLIES

SAVE HUNDREDS OF DOLLARS!!! Make your own S & M Densitometer. Send \$3.00 for detailed drawing and instructions. A must for successful photography in your darkroom. Order direct: S & M Instruments Dept. CW-9, 229 Park Ave. South, N.Y., NY 10003.

RADIO & TELEVISION

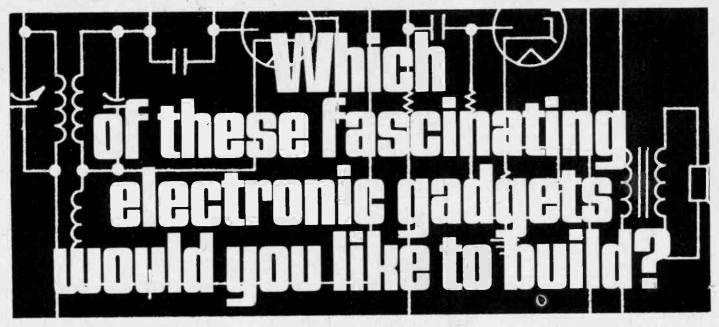
POLICE-Fire Monitors, scanners from Regency, Bearcat, Plectron and other major names, Monitor crystals \$3.50 each. Frequency books, Antennas, CB Transceivers, Harvey Park Radio, Box 19224. Denver, CO 80219.

SURPLUS EQUIPMENT

GIANT Bargain Packed Canadian Surplus Catalogs \$1.00. Etco Electronics-DG, Box 741, Montreal "A".

For Greater Classified...Savings...Results...and Profits...

Place your ad in one of our SPECIAL COMBINATIONS: Combo #1, Combo #2 or Combo #3. Each Combination is designed to give your ad the largest audience available, for further information write to R. S. Wayner, Classified Advertising Manager, Davis Publications, Inc., 229 Park Avenue South, New York, N.Y. 10003.



A photo print-timer that does everything but turn out the lights! Designed by a darkroom craftsman, it features instant reset, backlighted digit-set dials, pushbutton stop and start.

A battery-operated dickey flasher—guaranteed to liven up any party! Suddenly, your shirt buttons start flashing sequentially! Some people laugh. Others just stare. But it's funniest when they try to ignore you!

Elementary Electronics features low-cost, practical projects like these in every issue!

Mail coupon today for your complimentary copy!

Yes, every issue of ELEMENTARY ELECTRONICS brings you step-by-step instructions, with photos and diagrams, for all kinds of devices you'll enjoy building—and be proud to own!

But that's not all. You also get instructive articles on electronics, CB and shortwave. Lively columns. Exciting features that make ELEMENTARY ELECTRONICS America's most absorbing, down-to-earth magazine for the electronics and radio hobbyist.

Invaluable Basic Courses in electronic theory!

For example, you get the fundamental training you need to construct your projects successfully—or lay the groundwork for an electronics career.

Each issue presents a Basic Course that helps you master an important aspect of electricity or electronics. Recent subjects included: Resistors in Combination. Understanding Transformer Action. Introduction to Alternating Current. And Understanding Semiconductors.

Our readers tell us these Basic Courses are one of the magazine's most popular and valued features.

A magazine with a personality all its own!

You'll meet a lot of interesting people in the pages of ELEMENTARY ELECTRONICS Like Hank Scott, our Workshop Editor. He conducts a regular letters-from-readers A shortwave station finder/ marker. Suppose you pick up an interesting but elusive station in Papeete, Kuwait or Kinshasa. This stable wide-band oscillator lets you relocate it any time you like—without hours of searching.

A nostalgic crystal radio set just like the one your grandad had. You make it with a Quaker Oats box.

A futuristic pulse-width modulated mini-audio amplifier. It can boost the volume of a pocket radio to dancing level!

column called "Ask Hank, He Knows!"
If you have any trouble on a project—
or with anything electrical—just ask Hank.
He knows!

And Kathi Martin, KGK3916, our Citizens Band Editor. She writes "Kathi's CB Carousel"—the most entertaining and informative CB feature you'll find anywhere!

Plus the people who contribute our columns on shortwave, antique radio, new products, electronics news tid-bits—and much, much more!

All our writers, editors and columnists know their stuff backwards and forwards. And they know how to make it interesting! With the same kind of straightforward language you use yourself when discussing electronics or radio.

What's more, they have fun. Which means you'll have fun, too!

SPECIAL INTRODUCTORY OFFER:

Just mail this coupon, and we'll send you a complimentary copy of ELEMENTARY ELECTRONICS.

Send no money now. We'll bill you later for a year's subscription—a total of six bimonthly issues for \$3.49. But if you don't agree the magazine is everything we say it is, simply write "Cancel" across the face of the bill. Send it back to us, keeping the complimentary copy. And you won't owe a cent.

Act today. We're confident that once you see your first copy of ELEMENTARY ELECTRONICS, you'll wonder how you did without it for so long!

A solid-state wind-chill factor meter that can tell you instantaneously just how cold you feel!

A compact, portable gas alarm for home, trailer, car or boat. It detects many kinds of dangerous fumes—and could easily save your life!



ELEMENTARY ELECTRONICS

P.O. Box 2600

Greenwich, CT 06830

CWT6A139

YES! Please send, without cost or obligation, my get-acquainted copy of ELEMENTARY ELECTRONICS. If I find it is everything you say it is, bill me for a year's subscription (5 additional issues, for a total of 6 in all) at just \$3.49. If I don't wish to subscribe, I will write "Cancel" across your bill, return it, and that will end the matter. Either way, the complimentary copy is mine to keep.

| Name | (please print) |
|---------|----------------|
| Address | |
| City | |
| State | Zip |

NO-RISK GET-ACQUAINTED COUPON SEND NO MONEY!

For Spare Time Income, Your Own Business or a Career...

LEARN TO SERVICE COMMUNICATIONS/CB EQUIPMENT...THE NRI WAY

Career opportunities are opening up fast for the man trained in communications.

The field of communications is bursting out all over. In Citizens Band alone. class "D" licenses grew from 1 to over 2.6 million in 1975, and the FCC projects about 15 million U.S. CB'ers by 1979. That

means countless careers in design. installation and

maintenance. Start training now, the NRI way, to get vour FCC license and qualify for one of these openings

Learn on your own 400-channel, digitallysynthesized VHF Transceiver.

The NRI Complete Communications Course teaches you to service and adjust all types of two-way radio equipment (including CB), using the one unit that is best equipped to train you for CB,



Commercial, and Amateur communica-

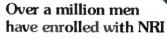
tions: a digitally-synthesized 400-channel VHF transceiver and AC power supply. This 2-meter transceiver gives you "Power-On" training. Then we help you get your FCC Amateur License with special instructions so you can go on the air.

The complete program includes 48 lessons, 9 special reference texts, and 10 training kits. Also included are: your own electronics Discovery Lab. a new Antenna Applications Lab, an

Optical Transmission System, CMOS Digital Frequency Counter, and TVOM. The course covers AM and FM Transmission Systems; Radar Principles; Marine, Aircraft, and Digital Electronics; and Mobile Communications. You must earn your first class radio telephone FCC license or you get your money back.

CB Specialist Course now available

NRI now offers a special course in CB Servicing. You get 37 lessons, 8 reference texts, your own CB Transceiver, AC power supply and multimeter . . . for hands-on training. Also included are 14 coaching units to make it easy to get your commercial radio telephone FCC license—enabling you to test, install and service communications equipment.



Send for the free NRI catalog and discover why more than a million men like yourself have chosen the NRI way the right way to get ahead. Read how you learn from bitesize lessons, progressing at your own speed to your FCC license and then into the communications field of your choice. There's no obligation and no salesman will call.

Send coupon now for FREE NRI catalog



If coupon is missing, write to: NRI Schools, McGraw-Hill Continuing Education Center, 3939 Wisconsin Avenue. Washington, D.C. 20016

| Rush | the | free | catal | oq | of | mv | choice | (select |
|--------|------|------|-------|----|----|------|----------|---------|
| only o | one, | plea | ase). | No | sa | lesn | nan will | call |

- Complete Communications Electronics with CR
- FCC Licenses Arroraft Mobile, Marine Electronics
- CB Specialists Course
- Basic and Advanced
- basic and Advanced Industrial and Business Electronics Digital Computer Electronics Electronic Technology Basic Electronics
- TV Audio Servicing
- Appliance Servicing
 Homeowner & Professional Repairs
- Master Automotive Technician Tune-Up and Basic

- Repairs
 Auto Air Conditioning
 Air Conditioning & Refrigeration
 Basic Air Conditioning Servicing Master Course in Air Conditioning, Refrigeration & Heating

NRI SCHOOLS

McGraw-Hill Continuing Education Center 3939 Wisconsin Avenue, Washington, D.C. 20016

76-086

APPROVED UNDER GI BILL if taken for career purposes.

Check box for details

Accredited Meniber National Home Study Council

HITTHE GAR HITTHE LEGAL HITTHE GAR JOHNSON

"This year, lots of folks are takin' to the road for trips and adventures of all kinds. They're getting more fun out of every mile with the automatic CB from Johnson. And y'all know it's right handy if you're in a heap of trouble, too."

That's right, Sheriff.
Johnson's built-in,
automatic controls make
operation easier and safer,
performance better.
Exclusive voice tailored
audio circuitry automatically drops off signals
outside voice frequencies
to give you great reception.



Our automatic noise limiter keeps reception clean and built-in gain control prevents blasting and fading

Johrson's unique electron's speech compression automatically selects and compresses voice frequencies to produce uniform, high-level modulation, maximum range. All automatically.

When you hit the road, go with Johnson CB. We back every Johnson with a full year parts and labor warranty and walk-in service at more than 850 locations. See a Johnson CB dealer and take off on the great American adventure.



E, F. JOHNSON COMMENY, WASECA, MINN. 56083 In Canada: A. C. Simmonds, & Sons, Ltd. CIRCLE 33 ON READER SERVICE COUPON

JOE Higgins
National Safety Sheriff

IOHNSON CB. THE GREAT AMERICAN ADVENTURE.