

**THE COMPLETE
WHITE'S
RADIO LOG**

THE OFFICIAL SHORTWAVE DXer's GUIDE

COMMUNICATIONS WORLD

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1979 Edition \$1.75

by the
EDITORS
of
**ELEMENTARY
ELECTRONICS**

EXPLORE A SMALL PLANET BY RADIO

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the Continent and
Around the World

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AM

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- Bearcat 250 Scanner
- Atronics Morse Code Reader



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- Those Incredible TV Sets of the Future
- Listening in on the Forgotten Continent
- DXing Endangered Species
- Sandbagging—CB Fun Without a License
- The World's Worst Hi-Fi Components

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► **GREAT PROJECT IDEAS.** Simulate space flight with our computer analog project. Build your own audio/visual darkroom timer. Restore your old car radio. Construct a see-through crystal radio.

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► **NO-NONSENSE TESTS.** The scoop on Pioneer's TP-900 FM stereo car radio . . . How well does GE's NiCad charger pep up your pooped batteries? . . . What's your best bet in video games? Plus help in making buying decisions.

In case you're not all that familiar with us, we're not a publication for electrical engineers and other wizards. No way. ELEMENTARY ELECTRONICS is expressly for people who like to build their own projects and gadgets—and maybe get a little knee-deep in tape, solder and wire clippings in the process.

In fact, we have a sneaking suspicion that our readers like us because they think we're just as bug-eyed and downright crazy over great new project ideas as they are. And I guess they're right!

E/E thinks of you who dig electronics as the last of a special breed. It's more than just the "do-it-yourself" angle—it's also the spirit of *adventure*. In this pre-packaged, deodorized world, building your own stereo system, shortwave receiver, darkroom timer or CB outfit is like constructing a fine-tuned little universe all your own. And when it all works perfectly—it really takes you to another world.

ELEMENTARY ELECTRONICS knows the kinds of projects you like—and we bring 'em to you by the truckload!

Ever hanker to build a sharp-looking digital clock radio? Or to hook up an electronic game to your TV? Or an easy-to-build photometer that makes perfect picture enlargements? Or a space-age Lite-Com so you and the family can talk to each other on a light beam? We've got it all to get you started.

WHEN IT COMES TO REPAIRS E/E can save you time, trouble and a pile of money!

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COMMUNICATIONS WORLD

INCLUDING THE **COMPLETE
WHITE'S RADIO LOG**
AM-FM-TV-SHORTWAVE

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Cover: Our favorite Small Planet—Earth—is shown on this issue's cover. It was taken by NASA's ATS III (Applications Technology Satellite) which is in a stationary orbit 22,300 miles above the mouth of the Amazon River. Note the major weather front moving across the central United States. Also shown is an artist's conception of a futuristic VLF to UHF microprocessor scanner with multiple frequency readouts, time-zone computer, programmable frequency selection and a built-in cassette DX logger.

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

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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

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

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New Products

Hear The World

Shortwave "DXing" is rapidly mushrooming in popularity amongst people of all ages and in all walks of life. To fill the need for an exceptionally stable and sensitive receiver capable of top performance, Yaesu Electronics Corporation has introduced its model FRG-7000. Table top in design, it offers stability, sensitivity, selectivity and calibration accuracy rarely found in consumer receivers. The FRG-7000 will allow you to explore the far corners of the world from the comforts of the living room, with digital accuracy, using all modes of re-

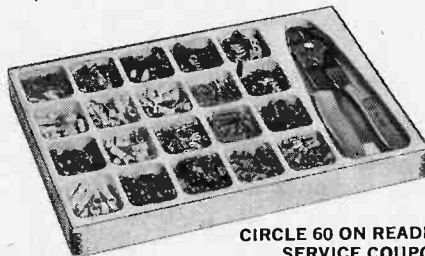
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ception, single sideband, AM (broadcast) as well as code (CW). It provides complete and continuous coverage of all frequencies from .25 kHz to 29.9 MHz. Sells for \$599. For full details on technical specifications, write to Yaesu Electronics Corporation, 15954 Downey Avenue, P.O. Box 498, Paramount, CA 90723 or phone (213) 633-4007.

Economy Terminal Kit

Vaco's new economical terminal kit No. 89950 comes with a molded tray with separate compartments for the Vaco



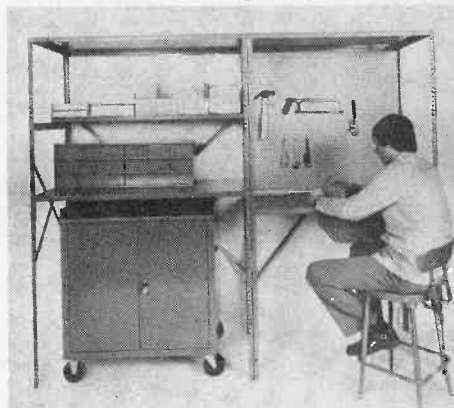
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1963 crimping tool and 18 each of 20 of the most popular insulated terminal styles. Included is a handy folder that locates each terminal and explains the uses of the crimping tool. Sells for \$35.00. Vaco products are found wherever professional hand tools are sold. Can't find a dealer? Then write to Vaco Products Company, 1510 Skokie Blvd., Northbrook, IL 60062 or call (312) 564-3300.

Mini-Shop

A new self-contained mini-shop that affords organization and easy access to tools is now available from Penco Products. Called "Shopcrafter," the mini-shop can be used by home craftsmen, servicemen, and do-it-yourselfers. The mini-shop is composed of two sections, one section includes a work bench with

drawer and a peg board back for hanging tools; another section includes standard accessories—rollable machine cabinet, drawer case with 18-drawer insert, work stool and an extra shelf. The two sections are attached side-by-side so that all tools can be stored easily within arms' reach. Machine cabinet and drawer case allow organization of tools

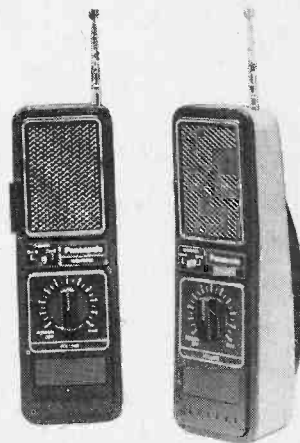


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and other equipment, to avoid time-consuming searches over the odd-sized tables, drawers and shelves that comprise most homeowners' tool storage facilities. The two work units are each 75-in. high, 48-in. across, and 24-in. deep. The shelves and workbenches can easily be adjusted vertically on 2-in. increments. The mini-shop lists for \$413.00 with individual parts sold separately. Consult factory for price list. For further information, contact Penco Products, Inc., Oaks, PA 19456.

Walkie-Talkie

Panasonic has introduced a walkie-talkie, the Model RJ-78 which is a powerful, 49 MHz unit featuring two channel op-



CIRCLE 63 ON READER SERVICE COUPON

eration and built-in crystals. The RJ-78 walkie-talkie has a 2¼-in. speaker which doubles as a microphone and comes complete with a carrying case, two crystals, three "A" 1.5 volt batteries and a convenient hand carrying strap.

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Sells for \$49.95 per pair. Available from electronics stores and Panasonic dealers nationwide. For further info, write to Panasonic, One Panasonic Way, Secaucus, NJ 07094.

Budget Scanner

A new Bearcat scanning monitor radio with a handy "touch action" on/off bar allows the user who hears a siren, for instance, to simply touch the bar and hear instantly what's happening. Named the "Bearcat One-Four," the radio can be used to monitor police, fire, emergency, marine, weather and other services for "while it's happening" information. The new Bearcat One-Four also features fast scanning action which can search its four channels in just 1/2-second. Illuminating LEDs are used to flash the channel being received. Each channel is also provided with a lock-out switch for easy by-passing of any channel. Slide bar controls are used for vol-

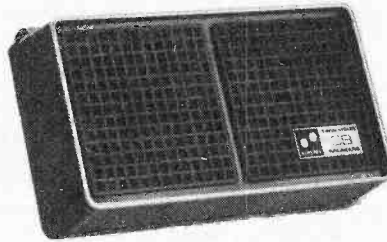
CIRCLE 79 ON READER SERVICE COUPON



ume and squelch. To match local frequency assignments the radio is available in a choice of low band, high band or UHF versions. All models feature front directed speakers and excellent sensitivity for clear, local reception using the telescoping/fold-over antenna supplied. For use with other antennas, an external jack is provided. The radio operates from standard 117 volts AC. The suggested retail price is \$79.95 less crystals. Details are available from Bearcat dealers or by writing to Electra Company, P.O. Box 29243, Cumberland, IN 46229.

Top Sound

Makes sense to put the sound near your head so you can hear it! Superex VS-19 visor speaker fills the bill and provides better sound than the mini-speaker cur-



CIRCLE 65 ON READER SERVICE COUPON

rently in your CB rig. The VS-19 contains two speakers in a nicely designed plastic box that clips onto your cars sun visor. Comes with 8-ft. of cable terminated into mini-plug that almost all CB transceivers match. Sells for \$12.00. Get the facts direct from Superex Elec-

tronics Corporation, 151 Ludlow St., Yonkers, NY 10705.

Mini Frequency Counter

Designed for 115V to 12V operation, the Davis 7208 UHF/VHF frequency counter is available factory-assembled or in kit form for even greater savings, and incorporates latest LSI technology. Fea-



CIRCLE 56 ON READER SERVICE COUPON

tures of the Davis 7208 include large 8-digit LED display, push-button switches, built-in prescaler, gate light, crystal time base and automatic decimal point placement. Available low-cost options are crystal oven, a Ni-Cad rechargeable battery feature for total portability, and built-in VHF-UHF preamp for direct measurement of low level RF signals in RF generators, receivers, etc. The Davis 7208 has a frequency range from 10 Hz to 600 MHz, with 0.1 and 1.0 sec. gate time; resolution is 1 Hz with 1.0 sec. gate, and sensitivity is from 10 mV at 60 MHz and 100 mV at 600 MHz. Input impedance is 1 Megohm/20 pf to 60 MHz, 50 Ohm above 60 MHz, and maximum safe input is 120V RMS to 10 MHz, 2V RMS above 60 MHz. The 600



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Claremont, CA 91711

New Products

MHz kit, (7208K), costs \$149.95, complete with all parts, drilled and plated thru glass P.C. boards, cabinet, parts, hardware, plus assembly manual and calibrating instructions. A factory-assembled 600 MHz unit (7208A) costs \$199.95 (plus \$2.00 shipping), and is calibrated to specifications and guaranteed for one year. For further information, contact Davis Electronics, 636 Sheridan Drive, Dept. 803, Tonawanda, NY 14150.

Digital Multimeter

A low-cost accurate digital multimeter by EICO, the EICO Model 272, is factory-assembled to sell for \$69.95. The Model 272 reads out up to 1000 Volts DC, up to 600 Volts AC, up to 1000 milli-Amperes DC and AC, and up to 1 Megohm resistance on three 0.3-in. bright LED digits. Overrange is indicated by a flashing display. The zero setting is automatic and the polarity reading is also automatic. The Model 272 is fully pro-

CIRCLE 61 ON READER SERVICE COUPON



tected against overload and has 10-Megohm input impedance. Battery supply consists of four penlite cells (supplied) and there is a convenient built-in test point for checking the batteries. For further details contact EICO Electronic Instrument Co., Inc., 108 New South Road, Hicksville, NY 11801.

Cassette Deck with Automatic Program

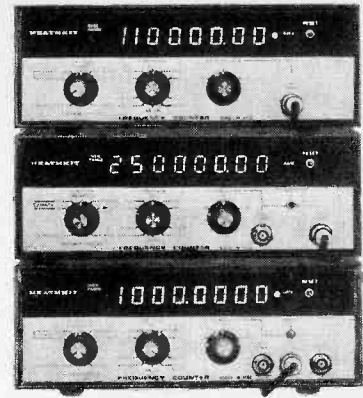
RT-1125 front loading cassette deck from Sharp Electronics has a noise reduction system and the exclusive "Sharp Eye" Automatic Program Search System



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(APSS) which enables a user to skip to the start of the next song or back to the start of the present selection. Pack-

aged in a handsome black cabinet, RT-1125 has large VU meters, LED record indicator, individual bias and equalization switches, narrow gap permalloy head, automatic end-of-tape shut-off, servo controlled DC motor, mechanical pause control, front panel inputs for stereo headphones and microphones and a digital tape counter. Wow and flutter is 0.09 per cent WRMS, frequency response is 40-13,000 Hz, and Signal/Noise ratio is 56 dB. Suggested retail price is \$149.95. Get all the facts on the RT-1125 and other audio component products by writing to Sharp Electronic Corp., 10 Keystone Place, Paramus, NJ 07652.



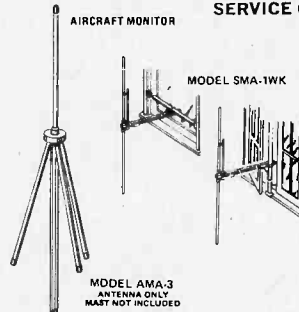
CIRCLE 1 ON READER SERVICE COUPON

ally, the counters can be used for events, period and period averaging. Eight digit LED readout indicates the frequency counted. A switchable attenuator on the 110 MHz input divides the input signal by one, ten or one hundred to facilitate measurement of large amplitude signals. The time base switch selects the gate time and the resolution of the display. The 4120 and 4130 time bases are controlled by a TCXO (temperature compensated crystal oscillator) with a temperature stability of ± 1 ppm and an aging rate of < 5 ppm/yr. (The 4110's crystal oscillator has temperature stability of ± 10 ppm and an aging rate of < 10 ppm/yr.): The IM-4110 is priced at \$189.95, the IM-4120 at \$329.95 and the IM-4130 at \$529.95. The counters are also available fully assembled and tested at slightly higher prices. For complete details on these frequency counters and other Heath instruments, write Heath Company, Dept. 350-24, Benton Harbor, MI 49022, for a free catalog.

Scanner-Monitor Antenna

FINCO offers a new and different line of Scanner-Monitor antennas called the SMA line and an Aircraft Monitor AMA line. Reading up the SMA series of omnidirectional Scanner-Monitor antennas, is the model SMA-1 for operation in the Lo-VHF 30- to 50-MHz, Hi-VHF 148- to 174-MHz, and UHF 450- to 512-MHz frequencies. The unit operates as a $1/2$ -wave dipole in the Lo-VHF Band, as a $3/2$ wave dipole in the Hi-VHF Band, and as a "J" stub in the UHF Band. (\$8.95). The model SMA-1K is identical to the SMA-1, but includes a kit with 65-ft. of coaxial cable with a connector and weather boot on one end. (\$17.95). The model SMA-1WK is identical to the SMA-1, but includes 18-ft. of coaxial cable with con-

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connector and weather boot on one end and a complete window mounting kit. (\$21.95). The aircraft monitor model AMA-3 is an omnidirectional antenna tuned for the 108- to 138-MHz aircraft frequencies. The unit operates as a $1/2$ -wave omnidirectional ground plane. (\$20.95). For further information, write The Finney Company, 34 W. Interstate Street, Bedford, OH 44146.

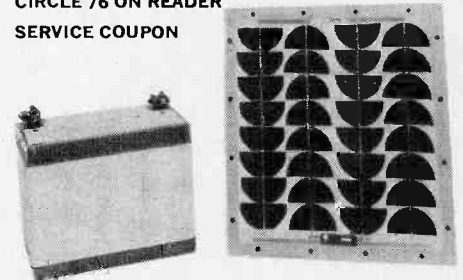
Trio Counters

Heath Company has introduced three new frequency counter kits; the IM-4110, the IM-4120 and the IM-4130. Input frequencies of the three counters are 5 Hz to 110 MHz, 5 Hz to 250 MHz (in two ranges) and 5 Hz to 1 GHz (in three ranges) respectively. The new counters offer excellent accuracy and resolution for a wide variety of counting jobs including: CB, AM and FM, hi-fi equipment, marine and aircraft radio, military applications, land mobile and more. Addition-

Sun-Powered Marine Battery Charger

Solorex Corporation of Rockville, Maryland presents a new 7-watt Solar Energizer—a marine battery charger that has no moving parts and requires no fuel other than sunlight. The Solar Energizer is invaluable to the boater who wants to conserve on-board fuel, since it allows operation of electrical equipment without running the engine or draining the battery. It's perfect for sailboats and

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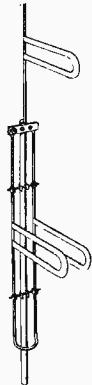


yachts that have no auxiliary power—and therefore no generator—yet require electricity to operate running lights, communication equipment, and other electrical gear. Designed for use with 12-volt systems, the Solar Energizer will maintain your boat's battery at full charge with power left over to, for example, operate an FM or CB transceiver, remove thousands of gallons of water

with a bilge pump, or operate navigation lights for hours. It's maintenance and pollution-free, silent, and fully automatic, charging your battery on sunny or overcast days, at dockside or at sea. Installation is simply one hole to drill, two wires to connect. Solar Energizer weighs four pounds and generates 0.6 amperes of current in full sunlight and up to 18 ampere-hours of energy per week in an average United States location. Sells for \$349. For more information, write to Solarex Corporation, 1335 Piccard Drive, Rockville, MD 20850.

Monitor and CB Skyhook

Avanti's Interceptor antenna, Model AV-601 is an unique CB antenna designed for the monitor buff. The Model AV-601 pulls in signals throughout both the low band and very high frequencies (VHF). Lightweight, it installs easily on a mast. The AV-601 covers 25-50 MHz and 140-

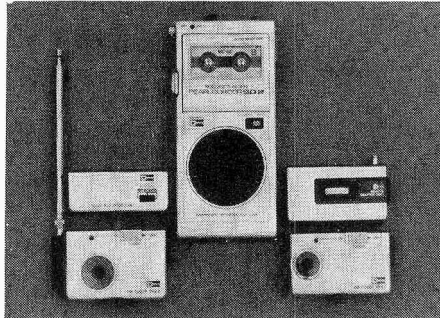


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175 MHz frequencies which includes the CB band signals—transmitted or received. This Avanti base station antenna sells for \$29.95. For information, write Avanti Research and Development, Inc., 340 Stewart Ave., Addison, IL 60101.

120 Minute Microcassette

The new Olympus Pearlorder SD2 Microcassette recorder blends complete modularity with 2 hour recording/playback performance in one handsomely styled 12 ounce package. A special tape speed setting gives the pocket sized recorder 120 minute capability with excellent fre-



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quency response using just one Olympus Microcassette. The SD2 is fully modular. Detachable AM and FM Tuner modules are available to create complete entertainment systems. Now the user can record favorite music, sports, talk shows, etc. Also available is a unique voice actuator module for voice activated re-

ording without manual switch-on. Standard features include an electret condenser microphone and 50 mm dynamic speaker. Side mounted Record, Stop and Pause buttons and 4-way Feature Switch (Cue, Review, Rewind and Fast Forward) create a simple operational format. A host of accessories are available for system expansion including a sensitive tie-clip microphone, external speaker with built-in-amplifier and various adaptors. The basic Pearlorder SD2 set includes a voice actuator module and is available from all Olympus dealers at only \$279.95. For more information, write or call Olympus Corp. of America, Tape Recorder Division, Four Nevada Drive, New Hyde Park, NY 11040 (516) 488-3880.

3½ Digit DVOM

The new 3½ digit Model 3300 digital VOM just introduced by the Triplet Corp. features an extra-visible .3-in. high digital LED readout display with Polarity Indication, .5% accuracy and low-power ohms readings. The five function, 22 range Model 3300 offers complete portability with precision measurement capability. The new DVOM sells for only \$175.00, complete with long life Ni-Cad batteries and AC Adaptor Charger plus test probes with safety boots. The Triplet Model 3300 is a safety-conscious design with no exposed metal parts and it includes a high energy 2A/600 V fuse for ample overload protection. A fused probe provides for both high energy and normal use circuit protection. Over-range is in-

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| | FRG-7000 | • PreAmps |
| | FR 101S(D) | • Copper Wire |
| Kenwood | R300 | • E99 Insulators |
| | R820 | • Coax Switches |
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| Bearcat | BC210 | • Tab Books |
| | BC220 | • ARRL Books |
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"a lot of antenna in a little space"

new Slinky® dipole* with helical loading pulls in great DX with ease!

*patent No. 3,858,220
FIG. 1 PERSPECTIVE VIEW



this miniature, ultra broad-band (0.5 thru 54 MHz) 800 thru 8 meter short-wave antenna operates at only one-fifth the size of conventional wire antennas, yet pulls in DX stations with superior readability, because its balanced design minimizes reception of interference and man-made static • portable, you can erect or store it in minutes • small enough for you to fit it in attic or apartment • good impedance-match without expensive tuners, because the special distributed helical loading provides automatic impedance-matching to 50 ohms • you get a pair of special 4-inch dia. by 4-inch long coils containing 335 ft. of signal-grabbing conductor, balun, 50 ft. coax feedline (RG-58/U), PL-259 coax connector, 100 ft. nylon rope, complete instruction manual, plus tuning charts • in use by US Dept't of State, US Army, radio schools, plus thousands of hams and SWL's the world over.

Money Back Guarantee

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TELETRON CORP. AVAILABLE AT ALL LEADING DEALERS. IF NOT, ORDER DIRECT
Suite 601
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Complete Kit #SWL-1 \$39⁹⁵ postpaid
(N. Y. residents add sales tax)

name.....
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enclose check with order - we ship UPS upon receipt of order - COD's \$1 extra

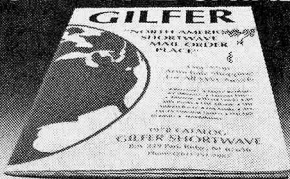
For more information contact Advertiser directly.

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FREE SHORTWAVE CATALOG

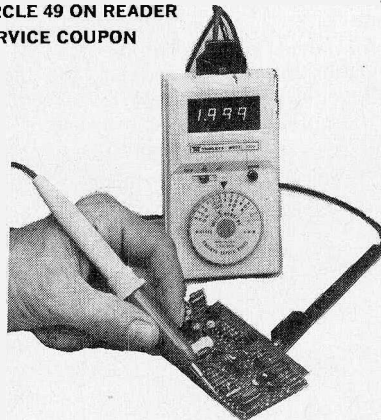


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New Products

indicated by a blinking display and a low battery warning is included. DC polarity is automatic with indication directly on

CIRCLE 49 ON READER SERVICE COUPON



the readout display. Full details on the new Model 3300 DVOM and its complete line of accessories may be obtained at leading electronic distributors, or write to Triplet Corporation, Bluffton, OH 45817 or call (419) 358-5015.

Low-Price, No-Crystal Scanner

Regency's new Touch K100, a synthesized scanner, requires no crystals—just simple touch entry of frequencies using the special pressure sensitive panel. The K100 has 10 channels available for storing any of 15,757 possible frequencies. It can also search within a band for unknown frequencies if the



CIRCLE 70 ON READER SERVICE COUPON

user enters the upper and lower limits of the search spectrum on the program panel. The listener may delay the resumption of the scan or search process to hear a response to a call. Tapping "Delay" will keep the scanner on the frequency until he is ready to continue scanning or searching. In addition to showing the operating frequency, the K100 LED indicators indicate a power failure, programming errors, all channel lockouts, and status of the scan delay function. List priced to sell at \$269. For additional information, write to Regency Electronics, Inc., 7707 Records St., Indianapolis, IN 46226.

Portable Compressed-Air System

Chemtronics Inc. recently introduced Micro-Duster, a new product that permits compressed-gas dusting of delicate instruments and assemblies. The product contains pure, moisture-free, non-flammable and non-toxic filtered gas,

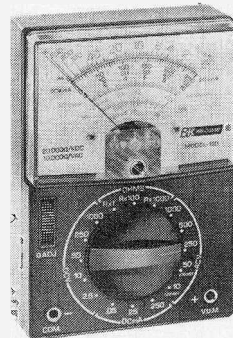


CIRCLE 45 ON READER SERVICE COUPON

providing controlled removal of dust, lint, oxide particles, etc., without depositing harmful contaminants. A single, 15 oz. can of Micro-Duster produces over 1800 one-second compressed-gas bursts, or 25 to 30 minutes of continuous dusting. Spraying in short bursts until contaminants are dislodged is recommended for most efficient utilization. The product comes with a 6-in. extension tube for pin-point applications. Micro-Duster sells for \$2.50 through Chemtronics Distributors. For more information, including the location of local distributors, contact Chemtronics, Inc., 45 Hoffman Avenue, Hauppauge, NY 11787.

Experimenter's VOM

The 20,000 ohm/volt compact model 110 VOM introduced by B&K-Precision is a 16-range fuse-protected multimeter. For checking the low resistance of coil, transformer and motor windings, a 10-ohm mid-scale range is featured. This range offers better than one-ohm resolution. Resistance ranges cover 0-1KΩ, 100KΩ and 1 megΩ. Three DC current ranges (0.05mA, 25mA and 250mA) and five DC voltage ranges (0-2.5V, 10V, 50V, 250V and 1000V) are featured. DC accuracy is ±3% at full scale. Five AC ranges (0-10V, 50V, 250V, 500V and 1000V) provide "easy-reading" measurements. The 110 is compact enough to fit into most tool kits. Test leads and



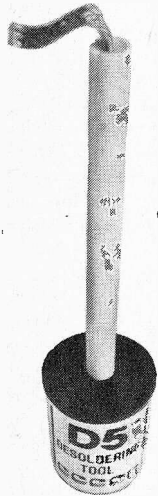
CIRCLE 68 ON READER SERVICE COUPON

instructions are included; a carrying case is optional. The ohm meter requires a common "AA" battery. The B&K-Precision Model 110 is user priced at only \$24.50 and is available for immediate delivery at local distributors. Get all the facts direct from B&K-Precision, 6460 W. Cortland Ave., Chicago, IL 60635.

Pocket-Sized Desoldering Tool

The D5 Desoldering Tool is a highly ef-

fective desoldering wick in a specially engineered, refillable dispenser tool. The D5 Desoldering Tool consists of a 1-in. long, clear plastic cylinder which contains a visible supply of 5 feet of desoldering wick. Braid is fed to the work through a 2½-in. Teflon probe that extends from one end of the wick supply. The heat-resistant Teflon probe allows users to desolder with pin-point accu-

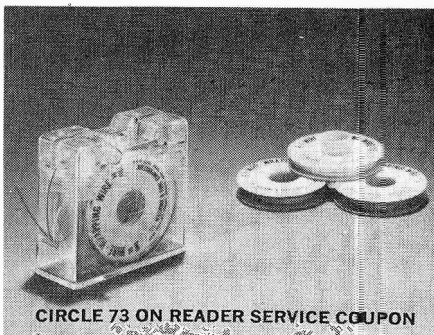


CIRCLE 45 ON READER SERVICE COUPON

racy and without burnt fingers, even in high-density circuitry. Sells for \$2.29. More information is available at Chemtronics distributors or directly from Chemtronics Inc., Solder Products Division, 45 Hoffman Avenue, Hauppauge, NY 11787.

3-Color Wire Dispenser

Remarkable new WD-30-TRI dispenser from OK Machine and Tool holds 3 colors of wire and features a built-in cutting and stripping mechanism. The refillable dispenser holds 50 feet each of red, white and blue insulated, silver-plated, solid copper wire. To operate the cut/strip mechanism, the wire is first drawn out to the desired length. Then, a built-in plunger cuts the length free from the roll while a gentle pull through the stripping blade removes the insulation. Ideally suited for wire-wrapping, this unique dispenser is also handy



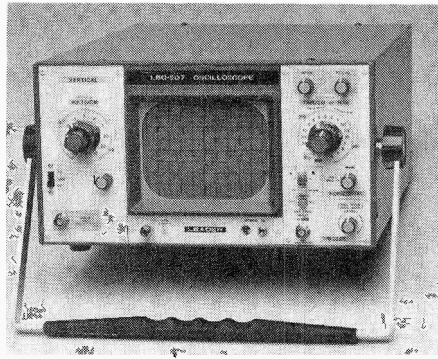
CIRCLE 73 ON READER SERVICE COUPON

for many other wiring jobs. WD-30-TRI is priced at \$5.95, R-30-TRI 3-color refill is \$3.95. Available from your local electronics distributor or O.K. Machine and Tool Corporation, 3455 Conner Street, Bronx, NY 10475.

20 MHz Triggered Scope

The Leader LBO-507, a 20 MHz trig-

gered scope is designed for broad use in industry, hobby, laboratory and service. The LBO-507 offers automatic triggered circuitry to assure maximum display stability with minimal adjustments as well as a trigger sensitivity over the entire operational range. It



CIRCLE 47 ON READER SERVICE COUPON

provides convenience of pushbutton switch selection for every functional demand; 10 mV/cm vertical sensitivity calibrated in 11 steps—in a 1-2-5 sequence up to 50 V/cm with variance control; and a 17.5 nanosecond rise time. Bandwidth is DC to 20 MHz. Sweep speed for the LBO-507 is 0.5 uSec/cm, 18 steps in a 1-2-5 sequence up to 500 mS/cm with variable control. The LBO-complete with low capacitance probe and terminal adapter. Get the complete specs 507 is priced at less than \$500 and is direct from Leader by writing to Leader Instruments Corp., 151 Dupont St., Plainview, NY 11803.

In-Line Preamp

New Telco Products' computer-designed preamplifiers boost receiver sensitivity with ultra low noise. Unique RF sniffer circuit allows the preamplifier to sense when the transceiver is keyed, effectively switching the preamplifier off during the transmit mode. This feature allows the preamplifier to be connected directly into the coax line with no modification to the existing mobile system. Model VHF 144 has 20 dB gain with less than 1.5 dB noise factor. Frequency range 140-180 MHz with 5 MHz band width.



CIRCLE 51 ON READER SERVICE COUPON



Sells for \$49.95. Model UHF 450 has 10-12 dB gain with less than .6 dB noise factor. Frequency range 400-512 MHz with 1 MHz band width. Sells for \$59.95. For additional information, contact Telco Products Corporation, 44 Sea Cliff Avenue, Glen Cove, New York 11542 or call (516) 759-0300.

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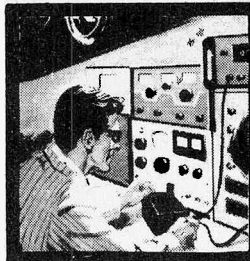
CW-79

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Ask Hank, He Knows!

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
380 Lexington Avenue
New York, NY 10017

Traveling Radio

Can I take my Patrolman 3 AM/VHF/UHF portable radio in the aircraft when I go to Fort Worth, Texas?

-M.B., Phoenix, AZ

Yes, if you pack it in the luggage. Airlines forbid the use of radio and electronic devices on aircraft. They have the Federal Marshals backing them up, so forget it. However, you can use the receiver in the terminal and gate areas.

A Cuban Mystery?

I heard Radio Huayacocotla on 2400 kHz but not enough to place it in a country. Sounded like a Cuban to me. Hank, can you help?

-S. T., Tulsa, OK

It seems that everyone who hears a low-in-the-noise station speaking Spanish has hit on some exotic Cuban station. Sorry, R. Huayacocotla is Mexican. It's a good catch, anyway!

Gain is Getting

I've been into shortwave listening a little over a year. At the present I'm using a Realistic DX-160 and two longwire antennas, one is 75-ft. and the other 240-ft. I also have an antenna switch. With the present antenna I pick up a station at maybe 5/S9 on the meter (on the 75-ft. antenna) and then when I switch to the 240-ft antenna, the signal is 10 or 15/S9. Does this mean the longer antenna has gain?

-G.H., Ft. Smith, Ark.

Yes, when you compare one antenna array to another in signal gathering ability, one would pull more signal than another exhibiting something we call gain. I suggest you try the RAK Listener 3 double dipole antenna. The results are surprising.

Surplus Coax

Can I use ordinary coax cable as a long wire antenna?

-D.J., Milford, Utah

Sure you can, but use your head! RG-58/U and RG-59/U coax can be strung for 20 to 40 feet with no problem except for icy conditions. Be sure to connect the outside braid to the inner conductor. Remember, the weight of the coax will cause stretching, hence sagging. For longer runs go the traditional way.

Scanner Fan

I'm an active scanner listener and I'd like you to know about one of my favorite dispatchers who is a dispatcher operating out of Police Headquarters in downtown Chicago. The frequency is 460.225 MHz, Zone 3, Districts 13 and 14. The sergeant usually works weeknights and he tries to

make long evenings go a little faster; at times he can be serious or be filled with humor. One night there was a break in the action so he humorously commented on what the radio officers would say. I remember that an officer called in for a canine unit, so the sergeant replied, "O.K., we'll send in the puppy dogs to help you out." The next minute he was serious. The sergeant received an urgent call saying an officer was in trouble. One could hear the tension in his voice. Listening to this type of action makes my Pro-2001 scanner more exciting.

-S.L., Clarendon Hills, IL

Okay, that's a good report. I'd like to hear from other scanner listeners about their favorite stations.

In the Mix

When I transmit on CB, my nearby AM radio picks up shortwave stations such as Voice of America, Radio Moscow and Canada International. What causes this?

-R.C., Martinsburg, WV

Possibly your CB signal and shortwave signal are mixing in the first RF stage of amplification in your receiver. Since the signals are strong, non-linear rectification occurs which is ideal for signal mixing. The difference signal falls into the AM band range and your set responds to it. The discussion is very general because the exact technique for this to happen can be caused many ways. I suggest you look seriously into shortwave listening and buy a good SW receiver.

Microprocessor Scanners

Are those new scanners with built-in microprocessors really worth the money they're selling at?

-L.M., So. Plainfield, NJ

Well, I've used two models, one from Electra and one from Radio Shack. Both are great and well worth the money. It's interesting to note that microprocessor scanners add new dimensions for the action-band monitor or listener. The ability to search for new channels you did not know existed is remarkable. You can search, scan and/or monitor over 16,000 channels. Only yesterday, I discovered a monitor channel operated by a commuter railroad. I know when the 8:03 will be late. In fact, in discovering this frequency, I purchased a crystal for my pocket scanner and I keep the conductor informed as to why the train is late!

Best Tune There Is

When can I hear WWV and at what frequencies?

The U.S. Government station WWV broadcasts on 2.5, 5, 10, 15, 20, and 25 MHz continuously night and day, except for silent periods of approximately four minutes beginning 45 minutes after each hour. You can use these frequencies to calibrate your shortwave receiver dial. WWV gives time signals, but the method and intervals vary from time to time. If you want to set your LCD watch or calibrate your signal generator, WWV is tops.

Maybe the Muffler

I used a bumper-mount with a half-wave stainless steel whip for the first time and the results were terrific—when the motor was off. With the motor on, I hear engine noises. This never happened when I used a trunk-mounted coil-loaded antenna! Why?

-J.S., Canby, OR

An automobile engine is a source of radio noise! The noise is radiated by the rods and pipes connected to the engine block, and the exhaust pipe is normally electrically insulated at the bumper end by a flexible hanger and thus becomes an ideal "antenna" for noise radiation. If the antenna is mounted directly above the exhaust pipe you have force fed a high level of static into the transceiver. One cure is to by-pass the exhaust hanger with electrically conducting braid to ground the end of the exhaust system. Also make sure that the bumper itself has a good ground.

Canadians Make It Easy

Hank, in case you didn't know, Radio Canada International QSL cards are supplied blank to SWLers. To obtain verification simply fill in the card, including some brief details about the content of the broadcast heard. Mail the card to RCI in an envelope and if all the details are correct, the card will be verified and returned to you. Cards with incorrect reception details will not be returned. To get your blank card and program guide, write to Radio Canada International, P.O. Box/C.P. 6000, Montreal, Canada H3C 3A8.

-D.N., Walden, NY

Thanks for the tip. I'd like to point out that the QSL card is for RCI and not CBC Northern Service.

Shortwave Problem

About two months ago I sent for a QSL reply to Radio Havana, Cuba. I have not heard from them and I was wondering if they send replies? Also, thank you for all the DX and SWL information.

-G. P., Houston, TX

Yes, Radio Havana Cuba, like most of the major shortwave broadcasting stations, will QSL listener reports. But sometimes replies are delayed two or three months. Chances are you will have received your reply by the time you read this. If not, perhaps your report was misplaced or lost, either in the mails or at the station. Try another report. The address is Radio Havana Cuba, Box 7062, Havana, Cuba. For

information of all aspects of DXing, check out Don Jensen's *DX Central* column in *ELEMENTARY ELECTRONICS* magazine.

Ups and Downs, Ins and Outs

I have a shortwave receiver that acts a little funny. I don't know if it's normal or not, but the signal keeps fading and building up again. I have to keep turning up the volume when it's weak; and down, when it's strong. What's wrong?

—D.D., San Francisco, CA

A little reading on basic shortwave propagation will explain that shortwave signals do fade in and out causing the kind of reception you are experiencing. Receivers have an AGC (that's Automatic Gain Control) that works to prevent this from occurring. Some sets can turn the AGC off. See that the AGC (sometimes called AVC) is turned on, if it is switchable in your receiver. Extreme signal fading cannot be remedied by AGC and you will continue to hear fading of signals. That's what SWL is all about.

What the Hertz?

How can I use a frequency counter to indicate the frequency of the signal I am tuned to on my shortwave receiver?

—W.B., Minneapolis, MN

First, determine the frequency of your IF stages. Pass a CW signal through it and zero beat to a null on the audio. You'll find that it's almost 455 KHz or whatever. Next, couple the signal from the local oscillator via a gimmick capacitor to the connector and tune to a station. Zero beat the station to a null with the BFO on and read the frequency counter. Subtract the IF reading made earlier, and that is the frequency to which your receiver is tuned. I suspect it would be easy to develop an offset circuit that would subtract the IF amount internally so that the counter would be indicating the frequency of the received signal.

Lightning Struck

Last night there was a thunderstorm in my area. During the storm I was fooling around with antenna wires, hooking them up various ways, when a bolt of lightning hit the ground nearby. A strange thing happened—my VHF-HI police monitor was tuned to 154.83 MHz. For a few seconds the radio pulled in a strong shortwave signal, (I know it was shortwave because it was a time signal) and then it faded out. I left the wire hooked up and it happened a couple more times. After the storm, I checked the radio and it was undamaged. Could you explain what happened?

—D.L., Ellington, CT

Yes, you were trying to kill yourself! Aside from that, I really don't know. Can any of our readers help out?

Frequency Asked

What frequency is used to determine the impedance of AC devices such as speakers, and audio and RF impedance matching transformers?

—M.H., Colorado City, AZ

COMMUNICATIONS WORLD 1979

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The frequency used is the frequency they're intended to be used at. You wouldn't use an audio signal to check out IF transformers. Audio devices are usually averaged over the human voice range 300 to 3000 Hz.

So Sorry

Hank, I love you. Can we get married? Enclosed is a stamped, self-addressed envelope.

—Ms T.W., Columbia, SC

I sure would like to answer your letter, but the rules are simple. Ol' Hank does not reply directly by mail even when an envelope is supplied. Next time I'm in Columbia, I'll wear a pink carnation in my lapel. Watch for me!!

Inland Pirate

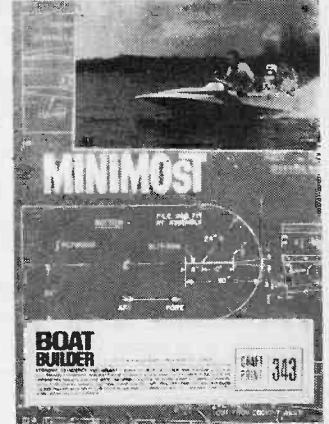
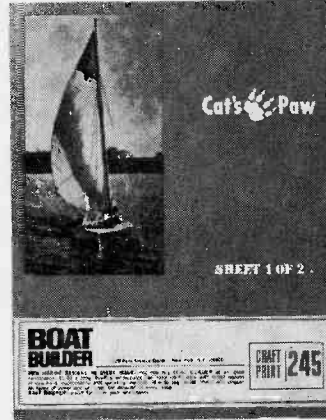
There is a gentleman in Lexington, KY that broadcasts on the AM dial with a power of 3 watts and he does not require a license. As I would like to do the same, could you advise if this is legal? If so, is there a company that makes an oscillator or transmitter for this?

—A. B., Jeffersonville, IN

As the old saying goes, "See you in Jail!" your friend in Kentucky will soon be there because he does need a license to own and operate an AM radio station. In fact, he needs a license as an operator. I suggest you address all legal questions to the FCC in order to get the facts! ■

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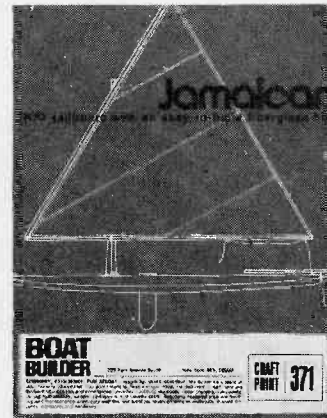
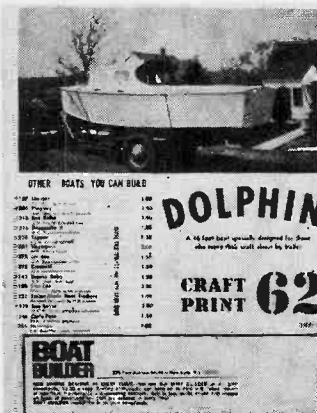
367. ROBIN is a versatile skiff that can be used for hunting or fishing, as a yacht club tender, or a work boat. It is rugged, yet its plywood construction makes it easy to build; no special jig or tools are needed. It can take a motor of 7-10 hp. L.O.A., 12'; beam, 5'1". \$5.00

75. KINGFISHER is a modern version of the Scandinavian pram developed hundreds of years ago. It rows easily, sails well, and propels nicely with a small outboard motor. Its 90 lb. weight and small size make it ideal to cart-top; construction is plywood. L.O.A., 9'; beam, 4'. \$5.00

245. CAT'S PAW catamaran provides a stable base for a lot of sail area to make for fast sailing. And she's easy to build because of her straight-sided hulls, flat sheer, and straight bow and stern. It's an ideal boat in which to learn sailing. L.O.A., 12', beam, 6'2"; sail area, 85 sq. ft. \$6.00

343. MINIMOST is an 8' outboard sports hydro you can build in just 15 hours, and at a cost of less than \$25 for materials. Its advanced underhull design makes speeds in the 30 mph range possible with a 10 hp motor. L.O.A., 8'. \$5.00
Full-size pattern set 344 \$15.00

Make it with Craft Prints and save hundreds of \$\$!



62. DOLPHIN is small and light enough to be transported anywhere by trailer, yet it will accommodate two persons for extended cruising or a party of four on day trips. Plywood is used throughout, and the hull is designed to get the most from modest power. L.O.A., 16'; beam, 5'9". \$5.00

356. TABU gets up on plane, just like an outboard, to provide speeds up to four times higher than those possible with a conventional hull of the same size. Hull is of plywood, covered with resin and Dynel cloth. L.O.A., 16'; beam, 4'8"; draft, centerboard down, 2'6"; sail area, 165 sq. ft. \$5.00

371. JAMAICAN is a sailing surfboard of unique construction. Fiberglass and Dynel cloth are stretched and stapled in place over a wooden framework, then resin is applied. No special building jigs or forms are needed. Foamed-in-place polyurethane adds stiffness. L.O.A., 12'; beam, 3'. \$5.00

36. CHUM is a speedy little runabout that can be built as a single cockpit or double cockpit model. Use a lightweight engine of no more than 100 hp for top performance. Construction is of marine plywood over hardwood frames. Decks are of mahogany-faced plywood. L.O.A., 15'6" \$5.00

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CW-79

Boat Builder, 380 Lexington Ave., N.Y., NY 10017

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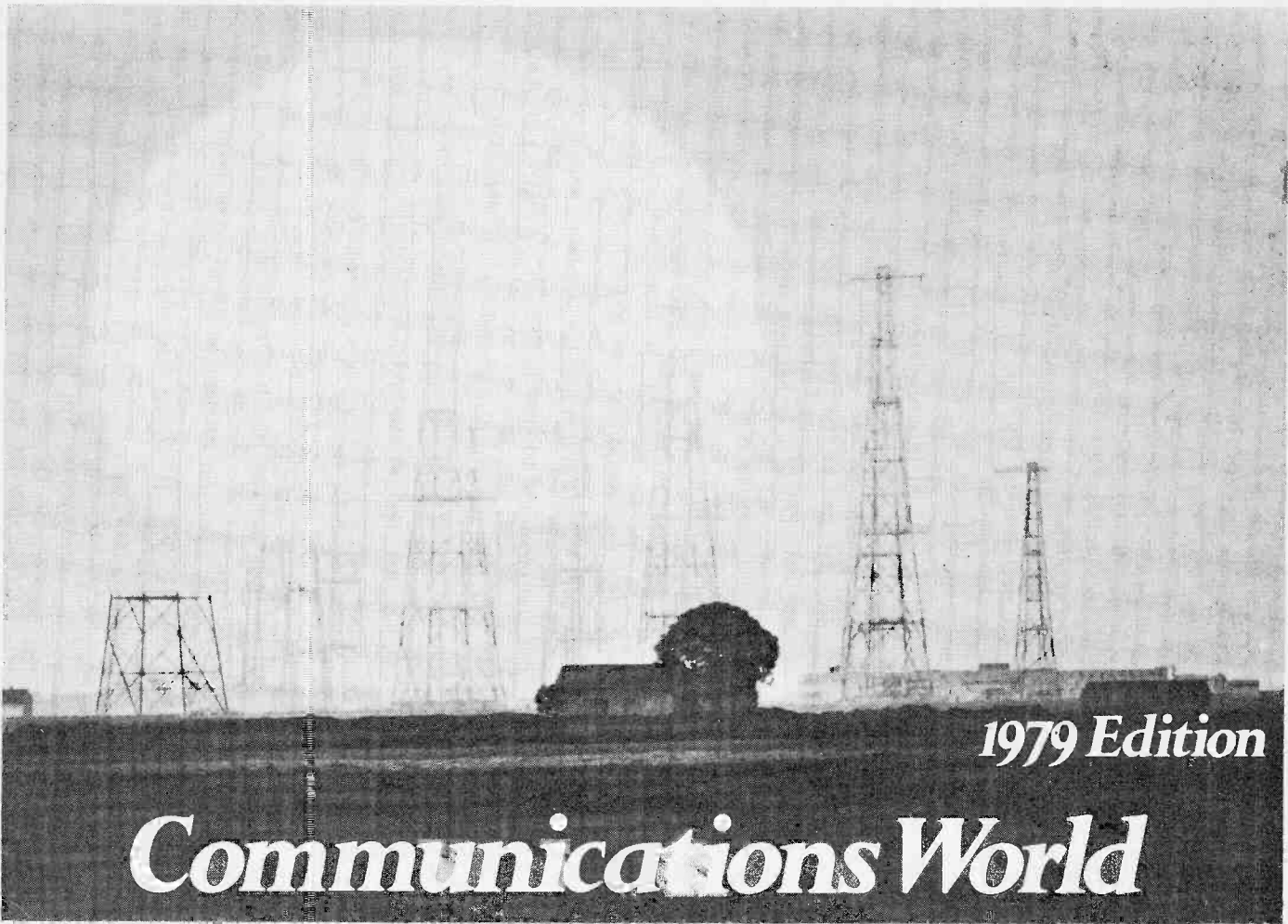
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1979 Edition

Communications World

DON'T LOOK NOW, FRIENDS, but we may just be entering the Golden Age of SWLing!

"Oh yeah," you say skeptically, "what makes you think so?"

Well, I reply, I don't think you need a horoscope to read the signs. And those signs for the hobby of shortwave DXing seem to be pointing straight up!

You know, it wasn't too long ago that things didn't look so rosy for SWLs. Communications Cassandras were crying that the shortwaves were on their way out, to be replaced by such things as worldwide satellite-to-home television in the near future. DX listening seemed to be standing still, particularly when viewed in comparison with the stampede to Citizens Band communications. The shortwave receiver marketplace emptied out; it was darned hard for an SWL to find a decent receiver at a price he could afford. Longtime equipment manufacturers gave up on making SW rigs, and some just gave up, period.

But SWLing wasn't dead. You were out there. There were a lot of shortwave stations to be heard. And we were here. For years, COMMUNICA-

TIONS WORLD has been holding the candle aloft and repeating, "keep the faith, baby!" But, let's face it, SWLing just wasn't going anywhere very fast!

But then, just a couple of years ago, things slowly began to change. The world's communicators came to the realization that satellites weren't going to take over from HF (high frequency) radio; that there were many, many applications where from an economic standpoint, from a practical standpoint, shortwave radio just couldn't be topped, at least not for the foreseeable future.

As the World Administrative Radio Conference — dubbed WARC '79 — scheduled to be held in Geneva, Switzerland later this year approached, it became increasingly evident that there was a great interest among nations large and small in shortwave communications. WARC '79 will iron out the basic shortwave frequency allocations that will apply until at least the year 2000! The way the broadcasting countries around the globe are already scrambling for position more than suggests that SW radio plays a large part in their plans for the next quarter of a

Outlined against the sky stand the towers supporting the transmitting antennas of West Germany's Deutsche Welle at the modern Wertachtal transmission station.

century!

Then there was a still not fully explained phenomenon that burst upon Japan just a couple of years ago. Suddenly, it seemed, a large proportion of Japan's youth discovered shortwave listening! Japanese SWLs numbered in the several millions. They began tuning the world's shortwave stations like crazy, began seeking QSL cards confirming their receptions. The growth of the hobby in the oriental country was almost cancerous in its development and speed. In retrospect, it probably was not a healthy way for the hobby to grow, and, in fact, the flame of interest burned itself out rather quickly in Japan.

But there was a very positive result for North American SWLs. The massive Japanese electronic manufacturing industry responded to the shortwave listening boom by marketing all sorts and types of SW receivers at a variety of popular prices.

When the heat generated by the listening hobby cooled across the Pacific, the Japanese receiver makers quickly turned their attention to the United States. Our own electronic phenomenon, CB mania, had leveled off. Perhaps SWLing's day had come.

And it seems that it has, but not with the consuming frenzy of the Japanese experience. Instead, we are seeing a steady upward movement in terms of SWL interest, a much more encouraging and healthy development!

Now the SW marketplace is loaded with receivers for shortwave listeners; rigs at all prices. For the first time in years, the listener has a truly wide choice of receivers he can afford. When was the last time you saw ads for an honest-to-goodness shortwave receiver in a general interest news magazine before 1978? When did you last see a real SW radio—sold as such—in a Sears Roebuck catalogue?

It wasn't long ago that DXers planning to buy a new SW receiver crossed their fingers and hoped that one of the few communications receiver makers would keep making sets long enough for them to save up the hefty purchase price. Now, because of a regular parade of new and upgraded receiver models, the prospective buyer has to give some thought to the question of whether the set he buys today will not, in some respects, be obsolete a year from now.

Yes, it could indeed be the Golden Age of SWLing.

A Look at SW Receivers. A radio receiver! Okay, I'd begin by saying the obvious. The one absolute essential for the shortwave listener is a radio! But which radio should you buy? That is the \$64,000 question!

It would be great if there was just one unchallenged answer to that key question. The listener's dilemma would be solved. I could write one short sentence: "Buy a Hatchiyoshika RQ-999!" I could forget about writing the next several pages of this magazine. All the competition would drop out of the market, the mythical RQ-999 could be cranked out of some Japanese factory by the hundreds of thousands, lowering the price per unit to rock bottom. Sounds like Henry Ford's automotive dream of the Century's early years.

But like Henry's vision of a universal auto, this dream is doomed to failure too. Not everyone wanted Ford's Model T, that came in any color you wanted, as long as you wanted basic black! There were those who thought that a Pierce-Arrow had more pizzazz, or liked a Locomobile!

So there is no answer to the question, which receiver is best. It depends on who you are, what sort of listening you're into. Are you a program-listening SWL who really enjoys a certain set of regular shortwave stations? Are you a dyed-in-the-wool DXer chasing

the weak, obscure signals? Do you want or need portability? There are a number of other factors that would individualize the answer to the question which is best, not the least of which is, how much can I afford to spend?

But even with receivers that are essentially similar on most counts, including price, there is the personal factor to consider. Some listeners will prefer a SONY, others a Drake or Yaesu, still others a Panasonic or some other brand name.

So you're not going to get an answer to the one big question here. Only you can make the decision as to which receiver is right for YOU. Hopefully, however, there are some basic points that you will consider in making your choice of receiver, be you a beginning listener or a veteran DXer.

If you have some issues of COMMUNICATIONS WORLD from, say, 1971 or 1972, you'll note if you scan them today, that I had some advice about selecting a shortwave receiver.

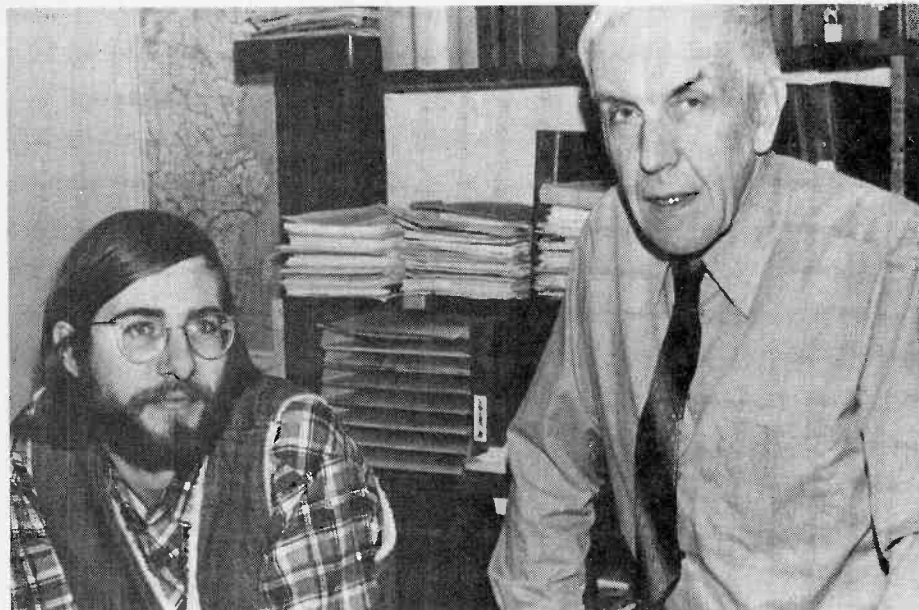
I advised the readers of seven or eight years ago to consider what I called the "Three S's" of shortwave receiver performance: Stability, Sensitivity and Selectivity. I also noted that frequency readout, the business of tuning to a frequency you wanted and knowing with a good degree of certainty, that you were tuned to the spot you desired, was an important quality. But I also noted in those early editions of COMMUNICATIONS WORLD that accurate frequency readout was something that was too much to expect in a low or moderately priced radio.

Well, friends, things have changed! How they have changed!

Of the "Three S's", stability is no longer a factor worth considering because virtually all shortwave receivers are stable enough. Back in the days of vacuum tube receivers, it took a receiver some time—a half hour or more—to "warm up." During that warm up period, most sets were thermally unstable, that is, they would drift in frequency. It was constantly necessary to repeak the tuning until the receiver warmed up. Some receivers performed better in this regard than did others and it was a factor worth noting.

There are still a few tube type sets around on the used receiver market, but new rigs are solid state—transistorized—and they don't require a warm-up period. They generate no heat to cause thermal instability. They don't for all practical purposes, drift.

The second "S" has also gone out the window, in most cases. Virtually all SW receivers, except perhaps the very inexpensive, have good sensitivity.



It was 30 years ago, in 1948, that the first English language edition of Radio Sweden's SWL program, "Sweden Calling DX'ers" went on the air. This weekly program was directed for nearly all of those three decades by Arne Skoog (right). When Arne stepped down, the fellow at left took his place as editor of the oldest continuing DX program. The voice you'll now hear when you tune this weekly program is that of George Wood.

ABBREVIATIONS USED BY DXERS

A	announcer, approximate	FE	Far Eastern	QRM	any interfering station or man-made static
abt	about	FF	French, French speaking	QRN	atmospheric interference or noise
AC	alternating current	FM	frequency modulation	QSB	fading
addr	address	f/i	fade in	QSL	verification
AFC	automatic frequency control	f/o	fade out	QSP	reply to location
AFRTS	American Forces Radio TV Service	freq	frequency	QTH	radio
AGC	automatic gain control	f/up	follow-up (second reception report sent when initial report is unanswered)	R	magazine
AM	amplitude modulation	GC	Great Circle	rag	received
ANARC	Association of North American Radio Clubs	GCP	Great Circle Path	rcd, rcvd	receiver
ancr	announcer	GMT	Greenwich Mean Time (Universal Time)	rcvr	concerning
anmt	announcement	gov	government	re	report
ann	announcement	GSTQ	God Save the Queen (British national anthem)	Re	Rediffusion
ant	antenna	gud	good	Rel.	religious
approx	approximate	har	harmonic	RF	radio frequency
AP	A Portuguesa (Portuguese national anthem)	het	heterodyne	Rp	return postage
AVC	automatic volume control	hi	expression of humor or laughter	rpt	report
BBC	British Broadcasting Corp.	hg, HQ	headquarters	RRI	Radio Republik Indonesia
BC, Bc	broadcasting	hrd	heard	RTTY	radioteletype
BCB	broadcast band (540-1600 kHz medium waves)	ID	identification	RVOG	Radio Voice of the Gospel
BCC	Broadcasting Corporation of China	IDed	identified	RX, rx	receiver
bcstr	broadcaster	IF	intermediate frequency	S	unit of signal strength
BFO	beat frequency oscillator	info	information	SASE	self addressed envelope with stamp affixed used for replies
Br	British	IRC	International Reply Coupon	sched	schedule(d)
CAM	Central America(n)	irreg	irregular	scope	oscilloscope
CARACOL	Cadena Radial Colombiana (radio network)	IS	interval signal	sez	says
CBC	Canadian Broadcasting Corp.	ITU	International Telecommunications Union	shud	should
CE	chief engineer	JJ	Japanese, Japanese-speaking	sig	signal
cfm	confirm (verify, QSL)	kc, kc/s	kilocycles per second (same as kHz)	SINPO	signal reporting code
ck	check	kHz	kilohertz	sked	schedule
cl	close (sign off)	kw	kilowatt	s/on	sign on
c/l	call letters	L	language	s/off	sign off
cland	clandestine	LA	Latin America(n)	Sp	Spanish language
comcl	commercial	lgd	logged	SS	Spanish, Spanish-speaking
condx	conditions	LV	La Voz de (common Spanish station identification, The Voice of . . .)	stn	station
CP	Caixa Postal (post office box in Portugues)	lvl	level	Superhet	superheterodyne receiver
cps	cycles per second	LW	long wave, long wire antenna	Svc	service
CQ	general call requesting contacts, used by hams	mb	meter band	SW, sw	shortwave
c/s	cycles per second	MC, MC/s	megacycles per second (same as MHz)	SWBC	shortwave broadcast
ctry	country	ME	Middle East(ern)	SWL	shortwave listener
cw, CW	continuous wave (Morse code) conditions	MHz	megahertz	SWLing	shortwave listening
cx	conditions	mni	many	TC, t/ck	time check
dB	decibel (unit of sound measurement)	MW	medium wave	t/i	tune in
DC	direct current	MWBC	medium wave broadcast	t/o	tune out
de	from	mx	music	tnx	thanks
DF	direction finding	NA	North America(n)	tx	transmitter
DSB	double sideband	NAf	North Africa(n)	UDX	utility (station) DX
DU	Down Under (Australia, New Zealand)	Nac.	nacional (Spanish for national)	unid	unidentified
DX	long distance reception	net	network	unk	unknown
DXer	one who listens for distant stations	nil	nothing	urs	yours
Ea	east	nr	near	V	varies as to time or frequency
EE	English, English language	nx	news	v/c	verification card
EN	English language	OM	Old Man (a male)	verie	verification
Eng.	engineer	pgm	program	v/l	verification letter
equip	equipment	POD	path of darkness	vert	vertical antenna
es	and	pop	popular (music)	VFO	variable frequency oscillator
exc	except, excellent	PP	Potruguese, Portuguese-speaking	v/s	person signing verification
exp	experimental	prop	propagation	vy	very
FB	fine	pse	please	WCNA	West Coast North America
FBIIS	Foreign Broadcast Information Service official US monitoring agency)	PTP	point-to-point (type of utility transmission)	wk	week, work, weak
		QRA	address	wrp	weather report
				wx	weather
				xmsn	transmission
				xmtr	transmitter
				xtal	crystal
				YL	girl or unmarried woman
				Z	Zulu (or GMT) time
				73	best regards, or more generally, goodbye
				88	love and kisses

LOCAL TIME VS. GREENWICH TIME

Greenwich Mean Time	EDT	EST/CDT	CST/MDT	MST/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.

These days, if you spend \$100 or more for a receiver that tunes the shortwave frequencies, you're probably getting an amazingly sensitive set.

Sensitivity is, of course, the ability of the receiver to detect weak radio signals.

The one "S" quality in a receiver that remains important—critically important today—is selectivity, the ability of the set to separate signals in the crowded SW bands of the late 1970s.

And of importance in choosing a shortwave receiver is the type and accuracy of the set's frequency readout. Unlike the situation in 1971 and 1973, it is possible to get accurate readout of frequencies in popularly priced receivers. That fact may well be the one most



Allen Veeder, Moose Jaw, Sask., Canada, has been DX'ing for a year with a National HRO-5.

important reason that we are entering a Golden Age for shortwave listening!

For decades, actually since radio began, the biggest problem for SW listeners was in knowing to which frequency they were tuned. If you wanted to tune a certain station, or if you tuned it yesterday and wanted to return today, you had to be able to dial your receiver to the right spot. And for decades that was a real skill that separated the experienced from the beginner. Now, even the novice listener can tune a set and know—on the button—the frequency to which he is tuned. That opens up a whole world of listening!

Reading Signals Right. Much of the guesswork is eliminated with accurate frequency readout. There are mechanical type readout systems accurate to the nearest 5 or 10 kilohertz. More refined mechanical systems bring accuracy down to about plus or minus 1 kilohertz. And now, sometimes at prices below \$200, there is the exotic, gorgeous, fantastic electronic digital readout, the little red LED numerals indicating the tuned frequency!

Digital readout is great, the frosting on the cake! And those little illuminated numbers that detail the exact frequency will sell an awful lot of shortwave receivers in the months and years

ahead.

But don't let the LED's blind you to the one critical "S" factor, selectivity, and its importance.

Selectivity means being able to bring in the wanted station but rejecting all, or at least most signals on adjoining frequencies. When stations are packed into a shortwave band like Norwegian sardines in a can, it takes a very selective receiver to separate signals. Poor selectivity in a set means that in a shortwave band, a few powerful signals will be audible and the rest of the band will be filled with a hash of interference and unreadable programs.

You can think of receiver selectivity as a gate that passes a signal or signals. Ideally, the gate will permit only one signal to pass through at a time. But in really crowded bands, this is rarely the case. The best you can hope for is that

SHORTWAVE EQUIPMENT MARKETPLACE

Barlow-Wadley, Radio International, P.O. Box 6053, Richardson, TX 75080

Collins Radio Group, Rockwell International, Cedar Rapids, IA 52406
R.L. Drake Company, 540 Richard St., Miamisburg, OH 45342

Gilfer Associates, Inc., P.O. Box 239, Park Ridge, NJ 07656

Lafayette Radio Electronics Corp., 111 Jericho Turnpike, Syosset, NY 11791

McKay Dymek Company, P.O. Box 5000, 111 S. College Avenue, Claremont, CA 91711

National Radio Company, 89 Washington Street, Melrose, MA 02176
Normende, Sterling High Fidelity Inc., 22-20 40th Avenue, Long Island City, NY 11101

Panasonic, Matsushita Electric Corp. of America, 1 Panasonic Way, Secaucus, NJ 07094

Radio Shack, 2617 West 7th Street, Ft. Worth, TX 76107

Radio West, 3417 Purer Road, Escondido, CA 92025

SONY Corp. of America, 9 West 57th Street, New York, NY 10019

Tandberg of America Inc., Labriola Court, Armonk, NY 10504

Teletron Data Corp., Box 84, Kings Park, NY 11754

Trio-Kenwood Communications Inc., 116 East Alondra, Gardena, CA 90248

Yaesu Musen USA, Inc., 15954 Downey Avenue, P.O. Box 498, Paramount, CA 90723

the gate is narrow enough to eliminate much of the side channel interference without being too narrow to make the desired radio signal unintelligible. But to some degree or another, usually you'll find some interfering stations crowding in from each side of the selected frequency. The better the receiver does this job, the better reception you will have of the more difficult-to-hear rare DX stations.

The intermediate frequency amplifier (IF) section of a receiver gives it selectivity. Receivers with double or even triple conversion, that is, with more than one IF section, do a better job with selectivity.

Filters of various types, crystal lattice, ceramic, mechanical, also improve selectivity by their abilities to pass desired signals while rejecting those unwanted interfering ones on either side

of the tuned frequency.

If a receiver passes easily signals 8 to 12 kHz wide, you may get a lot of side-channel "splash" when the signal you want to hear, tuned in the center of the passband, is not the strongest. However, when you've tuned in a powerful station with lots of wattage behind its signal, it will probably be easily heard even if the passband is quite wide. So, you see, the weaker the desired signal, the more crowded the band, the more you need a selective receiver.

Some dealers who operate by mail order, such as Gilfer Associates, Inc., Radio West and other firms, modify some of the popular receivers on the market with new filters which pass four kilohertz wide signals (at 6 decibels down), which improves selectivity considerably for the more serious DXing fan.

The Receiver Market. As I said, the prospective buyer of a shortwave receiver today has a very nice choice in many different price ranges, with various options.

Let's take a look at the marketplace, grouping the various receivers into seven different categories, by price.

In the under \$100 category you will find many receivers with many names, familiar and "house" brands, which I'll

call multi-band portables. Most of these sets are made in the Orient—Japan, Korea, Taiwan or Hong Kong. They are not manufactured or sold particularly for the shortwave fan. However, many of them include at least some of the short wave frequencies, such as between 4,000 and 12,000 kHz, along with the regular 540-1600 kHz AM radio band, FM and, often one or more of the VHF/UHF public service or police bands.

These sets will bring in some strong SW signals, but they are, almost invariably, without accurate frequency readout—it's hard to know the frequency you're tuning—and the selectivity is mediocre.

The beginner who finds he just cannot spend more than \$100 for a receiver may want to check out a pair of Radio Shack offerings which do well in their price category.

The DX40, priced at about \$50, covers a fairly large chunk of the shortwave spectrum, 4 to 22 MHz, plus AM and FM bands. It can operate from 120 house current, or using four "C" batteries. The receiver has tone and fine tuning controls and a built in whip antenna.

The DX60 receiver, also marketed under the Realistic name by Radio Shack, is similar to its little brother,

PHOTOS WANTED!

Would you like to see your photo in COMMUNICATIONS WORLD? Okay, then, send us a nice clear photo of you and your DXing equipment. Any sharp photo will do, but we prefer to see you at your rig. Along with the photo, please tell a little about you and your DXing activities and interests. Also, please identify the make and type of the receiver and other equipment shown in the photograph. Sorry, we can't return photographs.

LANGUAGES OF THE WORLD

These are the major languages heard on shortwave and the countries in which they are the primary or a major language.

Arabic

Algeria
Bahrain
Egypt
Iraq
Jordan
Kuwait
Lebanon
Libya
Morocco
Qatar
Saudi Arabia
Southern Yemen
Sudan
Syria
United Arab Emirates
Zanzibar

English

Australia
Barbados
Bermuda
Canada
Fiji
Ghana
Gt. Britain
Guyana
Hong Kong
India

Jamaica
New Zealand
Nigeria
Philippines
Seychelles
Singapore
United States
Windward Islands

French

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Belgium
Burundi
Cambodia
Cameroun
Cent. Af. Rep.
Chad
Comoro Is.
Congo
Dahomey (Benin)
France
Gabon
Guadeloupe
Guiana, Fr.
Haiti
Ivory Coast
Laos
Malagasy Rep.
Mali

Martinique

Mauritania
New Caledonia
Reunion Is.
Rwanda
Senegal
Tahiti
Upper Volta
Zaire

Portuguese

Angola
Azores
Cape Verde Is.
Brazil
Guinea (Bissau)
Portugal
Sao Tome

Spanish

Argentina
Bolivia
Canary Is.
Colombia
Costa Rica
Cuba
Dominican Rep.
Ecuador
El Salvador
Guatemala

Guinea, Equatorial

Honduras
Mexico
Nicaragua
Panama
Paraguay
Paru
Philippines
Spain
Chile
Venezuela
Uruguay

German
Germany, East
Germany, West
Austria
Switzerland

Chinese

China
Hong Kong
Singapore
Taiwan
Swahili
Burundi
Kenya
Rwanda
Somali Rep.
Tanzania

loop circuitry and separate megahertz and kilohertz tuning dials that made direct frequency readout by a solid

but includes expanded frequency coverage, up to and including the 27 MHz citizens band. It sells for about \$70.

In the \$100 to \$200 price range there are three popular receivers. Two of them are in the "new school" of portables that came on the scene just a couple of years ago. The receivers are quite similar, the Panasonic RF2200 and the SONY ICF5900W. Because they offer direct frequency readout that is quite accurate—a mechanical rather than an electronic digital type—they are a major improvement over the less expensive receivers mentioned previously.

These two sets are priced "all over the block." One source lists the prices of the RF2200 and the ICF5900W at around \$150. But, frankly, big city discount outlets are selling them in the under-\$125 bracket. And I've seen them available to members of certain "buyers clubs" for not very much more than \$100! The advice here, if you favor either of these portable receivers, is to shop around.

The third, and for years a very popular set, is the Radio Shack Realistic DX160. It sells for around \$170 and is a communications receiver of the older school, although it too is all solid state. It is not a portable, though it will also operate from 12 volts DC, as from an auto battery. It probably is superior to the portables in terms of selectivity, but its frequency readout is "old school" therefore it is tougher to pinpoint frequencies. Its coverage is from the long wave frequencies, 150-400 kHz, through the medium wave AM band, to 30 MHz shortwave. It has been a favorite of SWLs for a number of years, and doubtless will remain so for quite some time.



Mark Dishotsky of Brooklyn, NY has been DX'ing for several years. He has progressed from a SONY CRF-160 to a more modern CRF-330K receiver with 33-band coverage. Here he is with his equipment. Mark seems to have one of the city's better-equipped bedrooms.

THE INTERNATIONAL MORSE CODE

φ means zero, often written with the "slash" to distinguish it from the letter "O". Often transmitted instead as one long dash, equivalent in length to five dots.

A	·—	M	— —	Y	— · —
B	— · · ·	N	— ·	Z	— · · ·
C	— · · —	O	— — —	1	· — — — —
D	— · ·	P	· — · —	2	· · — — —
E	·	Q	— · — · —	3	· · · — —
F	· · · ·	R	· — ·	4	· · · · —
G	— · —	S	· · ·	5	· · · · ·
H	· · · ·	T	—	6	— · · · ·
I	· ·	U	· · —	7	— · — · ·
J	· — — —	V	· · · —	8	— · — · ·
K	— · —	W	· — —	9	— · — — —
L	· — · ·	X	— · · —	φ	— — — — —

Period	· — · — ·	Wait Sign (AS)	· — · · ·
Comma	— · · — —	Double dash (Break)	— · · · —
Question mark	· · — · · ·	Error (Erase sign)	· · · · · ·
Quotation mark	· — · · · ·	Fraction bar (slash)	— · · · —
Colon	— · — · ·	End of message (AR)	· — · — ·
Semicolon	— · — · —	End of transmission (SK)	· · · — · —
Parenthesis	— · — · —	International Distress Signal (SOS)	· · · — — · · ·

Next we move into the intermediate price grouping, \$200 to \$400. Here is the range in which the marketplace has seemingly exploded with new sets—with more on the way according to reports.

There is, first of all, the Barlow-Wadley XCR30, a British-designed, South African built portable that started the new breed of accurate readout receivers in the early '70s. It was a unique design when it came on the scene, with its now famous Wadley

mechanical means a reality. Nominally we see a price of around \$280, but this has been discounted to around \$225 at times.

At about \$240 is the Nordmende Globemaster portable, a German make that is in the classic design, probably more geared to the casual listener interested in good tonal quality and a wide range of signals from longwave to FM, than in shortwave listening. However, some SWLs, especially in Europe, use this set to advantage.

FIXED CIRCUIT FREQUENCIES

The fixed circuit point-to-point stations are assigned by the International Telecommunications Union to a number of specific shortwave bands, some of which are shared with other types of services. The following bands are, theoretically, reserved for fixed circuit communications: (Frequencies in kHz)

4000-4063	9775-10000	15450-16460
5060-5450	10100-11175	17360-17700
5730-5950	11400-11700	18030-20000
6765-7000	11975-12330	21750-21850
7300-8195	13360-14000	22720-23200
9040-9500	14350-15000	24000-25000

And the following bands are shared with other types of radio services.

1605-2065	4438-4650	25000-25600
2105-2850	4750-5060	26100-28000
3155-3400	21850-22000	29700-30000
3500-4000	23200-24000	

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- Small Engine Servicing** - Basic and Master Courses
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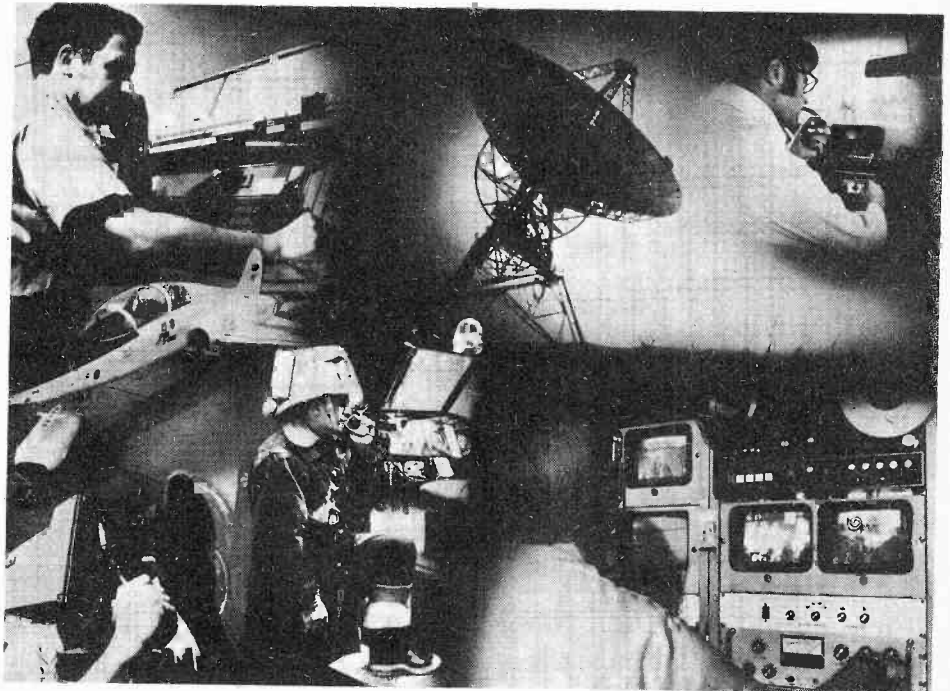
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There is the Kenwood R300, at about the same price, and the Lafayette BCR101, ditto, give or take a few bucks. Panasonic's RF2800 is an upgraded version of the RF2200. Its major attraction is that it offers electronic digital readout, probably the least expensive set to offer this feature on the market today. It is a portable set.

There are others in this price spectrum which have accurate mechanical type circuits and the Wadley circuit. Ranging from about \$275 to \$350 they are basically not portables (though they can be carted around without too much difficulty) but rather, communications receivers.

There is the very popular Yaesu FRG7, nicknamed the Frog-Seven. Drake offers its SSR1, dubbed Sir-One by DXers. And there is a newer entry in the market, Sanyo's RP8880.

Radio Shack has announced its new receiver, called the Realistic DX300, a communications type set with LED electronic digital readout. It sounds interesting, but at this writing none were available in the Radio Shack stores. The announced price is \$379.

A word of caution about the prices mentioned herein . . . there is great competition among manufacturers and dealers, especially with those sets in the price ranges already mentioned. So there are all sorts of discounted prices I've seen at various times, from various dealers. So consider those prices mentioned only ballpark figures; if you shop around you might find them a lit-

tle more—due to inflationary trends—or, possibly, quite a bit less. Shop with care from a reliable dealer.

Also, the market is very volatile now. Look for some significant changes in coming months. There are, for instance, rumors circulating that Panasonic will be upgrading some receivers, and boosting prices, early in spring. And, undoubtedly there will be other new receivers going on the market that I

A newer addition is Yaesu's FRG7000, an upgraded version of the Frog-Seven, but with electronic digital frequency readout for under \$600. About \$450 is where you'll find Panasonic's communications set, the RF4800, an improved and non-portable upgrading of the RF2800, which also has electronic digital readout. SONY falls in step with its ICF6800, a more recent addition to the field with much to recommend.

Now if you're John J. Gotzlotz, independently wealthy, or maybe if

FREQUENCY VS. WAVELENGTH

Many beginning SWLs are confused about the terms "frequency" and "wavelength." Both are ways of expressing the same essential information about where to tune for a station. Wavelength (measured in meters) refers to the length of a particular radio wave. Frequency (measured in kilohertz or Megahertz—1,000 kHz) describes the number of times per second that the wave "vibrates." These are the formulas for converting one to the other.

$$\text{WAVELENGTH IN METERS} = \frac{300,000}{\text{Frequency in kHz}}$$

$$\text{FREQUENCY IN KHZ} = \frac{300,000}{\text{Wavelength in meters}}$$

haven't even heard of at this writing.

Moving one notch upward we come to the high priced receivers, those costing between \$400 and \$650. The list, not surprisingly, is smaller, but it is growing in size.

There are the expensive portables, the Nordmende Globetrotter 808 and the Tandberg TR2025, at about \$600 each. One can say much the same for these models as for the Nordmende Globemaster—only more so!

you've carefully saved your dollars for a while to buy an ultra expensive DX machine, here are some super-priced rigs.

A California firm, Dymek, makes it DR22 model to sell for about \$900, and the DR33 at \$1,500. SONY has a mighty fancy many-band portable called the CRF-320 that sells for about \$1,700.

If that isn't rich enough for your blood, how about the over-\$2,000 receivers? There are Panasonic's RF8000, the Drake DSR2, National Radio's two entries, the HR0500 and HR0600 series, Japan Radio Corporation's "memory tuning" receiver, NRD505, and a pair by Collins Radio, the 51S1 and the 651S1. The latter's price tops the \$10,000 mark!

If you are interested in more data on these various receivers, see your dealers, or write to the manufacturers or sales representatives listed elsewhere in this issue of CW.

Look around, shop around, try 'em out to see for yourself which suits your needs and wants. Then plunk your money on the bar hombre, and take that DX machine home with you!

Antennas and Such. Once you get the set home, what then? Then it's time to consider the matter of antennas.

Yes, the portable receivers mentioned above, almost without exception, have built-in whip type antennas. And surprisingly, they really do a remark-



Their voices are probably much more familiar than their faces to most SWLs. Clayton and Helen Howard produce the popular DX Partyline program heard over HCJB, Quito, Ecuador.

able job in bringing in the signals. But usually you'll find that, if it is possible for you to erect one where you live, an outdoor antenna will bring in more and better signals. And even those sets with their own whip antennas usually have a terminal or plug for attaching an external antenna or aerial.

For those of you who may have

"come over" from CBing, where 99 percent of the operators buy commercially made antennas rather than construct their own, the answer to your unspoken question is "yes, you can buy commercially made shortwave antennas." These usually are special purpose antennas designed for some particular situation.

An example? McKay Dymek Co. has its model DA100, which may be an answer for the person cramped for antenna space. It consists of an exterior module, a weatherproof box with a 56 inch whip, mounted outside. The signal is delivered by coaxial cable to a power supply unit near your receiver.

And there is the Slinky dipole, an

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.

Afghanistan	+4½	Gambia	0	Poland	+1
Alaska		Germany	+1	Portugal	+1
Juneau	-8	Ghana	0	Qatar	+4
Anchorage	-10	Gilbert Is.	+12	Reunion Is.	+4
Aleutians	-11	Great Britain	+1	Rhodesia	+2
Albania	+1	Greece	+2	Rumania	+2
Algeria	0	Guam	+10	Rwanda	+2
Argentina	-4(-3)	Guatemala	-6	Ryukyu Is.	+9
Ascension Is.	0	Haiti	-5	Sabah (Malaysia)	+8
Australia		Hawaii	-10	Sarawak (Malaysia)	+8
Eastern	+10	Holland	+1	Senegal	0
Central	+9½	Honduras	-5(-6)	Seychelles	+4
Western	+8	Hong Kong	+8(+9)	Sierra Leone	0
Austria	+1	Hungary	+1	Singapore	+7½
Azores	-1	Iceland	-1(0)	Solomon Is.	+11
Bahamas	-5	India	+5½	Somali Rep.	+3
Bahrain	+4	Indonesia		South Africa	+2
Belgium	+1	West	+7	Spain	+1
Bermuda	-4	Central	+8	Sri Lanka	+5½
Bolivia	-4	East	+9	Sudan	+2
Botswana	+2	Iran	+3½	Surinam	-3¼
Brazil		Iraq	+3	Sweden	+1
Eastern	-3(-2)	Israel	+2	Switzerland	+1
Central	-4(-3)	Italy	+1(+2)	Syria	+2(+3)
Western	-5(-4)	Ivory Coast	0	Tahiti	-10
Brunei	+8	Japan	+9	Tanzania	+3
Bulgaria	+2	Jordan	+2	Thailand	+7
Burma	+6½	Kenya	+3	Togo	0
Burundi	+2	Korea	+9	Tunisia	+1
Cambodia	+7	Kuwait	+3	Turkey	+2
Cameroun	+1	Laos	+7	Uganda	+3
Canada		Lebanon	+2	Upper Volta	0
Atlantic	-4(-3)	Liberia	+3¾	Uruguay	-3
Eastern	-5(-4)	Libya	+2	USA	
Central	-6(-5)	Luxembourg	+1	Eastern	-5(-4)
Mountain	-7(-6)	Malagasy Rep.	+3	Central	-6(-5)
Pacific	-8(-7)	Malawi	+2	Mountain	-7(-6)
Yukon	-9(-8)	Malaysia	+7½	Pacific	-8(-7)
Canary Is.	0	Maldives Is.	+5½	USSR	
Cape Verde Is.	-2	Mali	0	Moscow	+3
Cent. Afr. Rep.	+1	Mauritania	0	Baku	+4
Chad	+1	Mauritius	+4	Sverdlovsk	+5
Chile	-4	Martinique	-4	Tashkent	+6
China		Mexico	-6	Novosibirsk	+7
West	+6	Monaco	+1	Irkutsk	+8
East	+8	Mongolia	+8	Yakutsk	+9
Colombia	-5	Morocco	0	Khabarovsk	+10
Cook Is.	-10½	Mozambique	+2	Magadan	+11
Costa Rica	-6	Nepal	+5.40	Petropavlovsk	+12
Cuba	-5	Neth. Antilles	-4	Anadyr	+13
Cyprus	+2	New Caledonia	+11	Vatican	+1
Czechoslovakia	+1	New Guinea	+10	Venezuela	-4
Dahomey (Benin)	+1	New Hebrides	+11	Vietnam	+7
Denmark	+1	New Zealand	+12	Windward Is.	-4
Ecuador	-5	Nicaragua	-6	Yemen	+3
Egypt	+2(+3)	Niger	+1	Yugoslavia	+1
El Salvador	-6	Nigeria	+1	Zaire	
Ethiopia	+3	Norway	+1	West	+1
Falkland Is.	-4(-3)	Pakistan	+5	East	+2
Fiji Is.	+12	Panama	-5	Zambia	+2
Finland	+2	Paraguay	-4		
France	+1	Peru	-5		
Gabon	+1	Philippines	+8		

antenna that looks like those spring toys that walk down stairs. It is helically loaded, enabling the effective electrical length to be as much as five times the actual physical length of the dipole. Thus, this antenna made by Teletron Data Corp., is another favorite among those with limited outdoor space, or those who are seeking an antenna which is portable—easily taken down and put up.

Gilfer Associates Inc., markets a number of different antennas, including the Datong Active Antenna. Compact, wideband, it is for the listener who needs an indoor antenna with "gain," added signal strength.

Gilfer also has other antennas and couplers designed for shortwave reception. There is the RAK Listener 7, an outdoor active antenna which operates on a principal similar to the DA100 mentioned above. There is the RAK Listener 1 for limited outdoor space applications, and the "Double Dipole" RAK 3.

The antenna—any antenna—has an important job to do. Its job is to receive the electromagnetic energy transmitted by radio stations and deliver it to your receiver, where it can be changed into audio signals you can hear.

For the listener who likes to experiment but doesn't have too much cash, the antenna is a great place to start. For in its simplest form, the antenna or aerial is a piece of wire, isolated from the ground, attached at one end to the receiver with the other end as high above the earth as possible.

To construct your own antenna for



Sally Kase of Flushing, N.Y. is an avid CB'er, while her husband chases SW DX with a Zenith Transoceanic. Sally also wonders about the dearth of lady RF activists. OK, Sally, Kase klosed.

shortwave listening, you'll need a few easy-to-get components—some wire, copper or some other good electrical conductor, solid or braided; some non-conductive glass or ceramic insulators; a length of insulated lead-in wire and a lightning arrestor. Your local hardware or television store should have everything you need.

There are a lot of complicated theories involved in antenna design, but you can come up with a good, workable antenna even if you don't know a standing wave from a seated sailor! Frankly, it is an area of electronic experimentation where you just can't do any real harm by being technically ignorant—assuming you follow the common sense rules like not allowing your antenna to cross over power lines, and other bits of safety wisdom. Play around with home-brew aeriels, if you wish, until you find one that works for you.

If you want to get involved in theory, there are some books such as Edward Noll's "SWL Antenna Construction Projects" (a Howard Sams Publication, available at many stores dealing in amateur radio products or major book dealers) that can give you a boost.

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	O = Oscar
C = Charlie	P = Papa
D = Delta	Q = Quebec
E = Echo	R = Romeo
F = Foxtrot	S = Sierra
G = Golf	T = Tango
H = Hotel	U = Uniform
I = India	V = Victor
J = Juliet	W = Whiskey
K = Kilo	X = X-ray
L = Lima	Y = Yankee
M = Mike	Z = Zulu

For starters, however, here are a few relatively simple wire antennas you can build easily and with little cost.

Longwires. Technically, most simple wire type antennas used by DX listeners are not really longwire antennas—they aren't really long enough for such a designation. Still, that's what most listeners call these random length wire antennas anyway. And probably more SWLs use a so-called longwire than any other type of antenna.

The receiving portion of this is usually called the flat top and may be of any convenient length, usually at least

VHF AND UHF FREQUENCIES USED BY FIREFIGHTERS

CITY	VHF		UHF	
San Francisco, CA	154.28	154.43		
Seattle, WA	154.19	154.25	453.70	453.80
	154.34			
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		
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			
New Orleans, LA	154.235	154.37	453.15	460.575
			460.600	460.625
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

The SINPO code is often used by SWLs in reporting conditions of reception to the major international broadcasters. The chart below indicates the values, in terms of reception quality, assigned to each number in the code. A station with good signal strength, moderate interference and atmospheric noise, slight propagational disturbances, or fading, and a good overall signal quality, would be designated SINPO 54454.

Signal Strength S	Interference I	Atmospheric Noise N	Propagation disturbance P	Overall Merit O
5—Excellent	5—None	5—None	5—None	5—Excellent
4—Good	4—Slight	4—Slight	4—Slight	4—Good
3—Fair	3—Moderate	3—Moderate	3—Moderate	3—Fair
2—Poor	2—Severe	2—Severe	2—Severe	2—Poor
1—Barely audible	1—Extreme	1—Extreme	1—Extreme	1—Unusable

20 feet and not more than about 150 feet. The length is very often determined by existing supporting structures or the location of trees in your yard. An antenna tuner—of which there are some commercial models available or which can be easily built from plans often appearing in popular electronic hobby magazines such as *ELEMENTARY ELECTRONICS*—may help “tune” the random wire antenna for optimum performance on various frequencies.

The antenna flat top should be as high above the ground as possible and should be insulated at both ends—not touching any object which will short it to ground. Preferably it should be located away from such electrical interference as power lines and busy streets. Auto ignition systems cause electrical noises in radios.

Soldered at one end of the longwire should be the lead-in, an insulated wire long enough to reach the receiver. The reason for the lead-in’s insulation is, as with the flat top portion, to prevent the antenna from being shorted out.

The horizontal flat top, end-fed at right angles by the lead-in, looks like an upside-down “L.” As a result, this type of skywire is sometimes called an Inverted L.

Two other antennas are related to the Inverted L. They are the T antenna and the Windom.

The “T” is really no different from the preceding antenna, except instead of being end-fed, the lead-in is attach-

ed at the center. The reason for choosing a “T” over an Inverted L is purely practical. You may choose a “T” if the available supporting points for the antenna, convenient high points around your home such as the house itself, a garage roof, a pole, a tower, a tree, are located advantageously. You’ll quickly discover that the shape of your yard or the locations of trees suitable for supporting the aerial are often critical design factors.

Similar to the T is the Windom antenna. Unlike either of the previously described antennas, the Windom works best on the particular frequency band for which it was designed.

Determine the center frequency of the band you tune most. If for example, it is the 31 meter band, base your computations on a frequency somewhere in the middle of the band, say 9,600 kilohertz (9.6 MHz). Use it in the following formula in which L stands for the length of the Windom’s flat top portion:

$$L = \frac{468}{\text{Freq. in MHz}}$$

The flat top’s length should be 468 divided by 9.6, or about 48½ feet. Forty-eight feet, for all practical purposes, is close enough—and easy to work with.

Install the Windom as you would a T antenna, only attach the lead-in not at the midpoint of the flat-top, but at a point one-third of the way from the end nearest your receiver, 16 feet in this case.

The Windom will work on other shortwave bands, but will get optimum results on the 31 meter SW band.

There is another type of wire antenna that is popular with SWLs—the dipole or doublet. At first glance it appears similar to the longwire T antenna, but there is an essential difference.

A dipole consists of two identical lengths of wire, separated from each other in the center by an insulator. It is fed by twin-wire lead-in, 75 ohm transmission line available at most ham radio supply stores. One half of the twin-lead is attached to each segment of the dipole. The other end of the lead-in is similarly split, with each wire connected to one of the receiver’s two antenna terminals. (Some receivers are not equipped with two terminals to handle a “balanced” antenna lead. Check your receiver before you take the time and effort of erecting a dipole.)

Unlike the random length wire antenna, which operates reasonably well over a wide range of frequencies, a dipole is designed for optimum performance on a specific shortwave band. If you plan on tuning a number of shortwave bands regularly, you may wish to construct several dipole antennas, one for each band. Furthermore, directionality is somewhat more important with a dipole, which tends to best receive those signals which approach from right angles to its length.

The formula for determining the length of the dipole’s two top elements

SPANISH ABCs

Many Latin American stations use slogans, rather than call letters, for identification. Some—particularly the Mexican medium wave outlets—also refer to call letters, in full or in part. To help you identify these stations, here is the way the Spanish spoken letters and numbers sound.

1 = OO-noh	4 = KWAT-roh	8 = OH-choh
2 = dohs	5 = SING-koh	9 = NWEH-bee
3 = tress	6 = seh-ees	0 = CEH-roh
	7 = syeh-teh	

A = ah	G = heh	N = EH-neh	U = oo
B = beh	H = AH-cheh	O = oh	V = veh
C = seh	I = ee	P = peh	W = DOH-bleh-veh
D = deh	J = HOH-tah	Q = koo	X = EH-kees
E = eh	K = kah	R = EH-reh	Y = ee-gree-EH-gah
F = EH-feh	L = EH-leh	S = EH-seh	Z = SEH-tah
	M = EH-meh	T = téh	

is:

$$L \text{ (length of each element)} = \frac{234}{\text{Freq. in MHz}}$$

For a 31 meter dipole, again let's use the 9.6 MHz figure. Plug the number into the formula and: 234 divided by 9.6 = approximately 24 feet.

An improved version of the doublet is the folded dipole. The overall length of the flat top portion is computed using the same formula as for the Windom:

$$L = \frac{468}{\text{Freq. in MHz}}$$

At the midpoint of the standard 300 ohm television lead-in wire, used in this case to construct the flat top portion, one (and only one) of the two wires should be cut. Another length of 300 ohm TV lead should be used for the antenna lead-in, one wire attached to each side of the "cut" in the flat top. The two wires of the flat top should be connected at each end.

Again, as with the simple dipole, a receiver which can handle a balanced lead-in, with two antenna terminal connectors, is required.

The folded dipole has an additional advantage to the builder. In most cases the standard 300-ohm TV wire is easier to locate than is 75 ohm.

Yet another basic shortwave antenna is the vertical. It is particularly useful where horizontal space is at a premium. A pipe, insulated from ground, may make a suitable vertical antenna. The classic "whip" is essentially a vertical.

Here's a tip for apartment dwellers: A temporary vertical antenna can be created by dropping a length of insulated wire from your window, letting it hang down several stories—at least until the landlord or the tenants below get curious!



J. P. Kana of Atlanta, GA has been a DX'er for 20 years. He's QSL'ed the Congo and the Windward Islands' Radio Grenada.

Tuning Around. Many of you readers have been listening to shortwave programming for months or years. But we know also that a large number of you have just become interested in SWling, and are reading your first issue of CW.

And for those of you in that sizable category, the next question, after you have your receiver and antenna set up is "where should I tune and what can I hear?"

Most, but not all shortwave broadcasting stations, can be found in a dozen different frequency bands in the shortwave spectrum, which by DXer definition runs from just above the AM medium wave band to the point where the very high frequencies (VHF) begin—about 1,605 to 30,000 kilohertz.

Each of these bands is only a couple of hundred kilohertz wide. On one hand it is an advantage to have all, or most of the stations grouped together in bands where you can readily find them. But that situation presents a major disadvantage too. With several thousand SW broadcasting stations around the world packed into these relatively small frequency bands, interference is a real problem.

Not all broadcasters operate in the internationally recognized SWBC bands. For many years it was mostly the So-

SWBC BANDS AND FREQUENCIES

Band	kHz
120 meter	2300-2500
90 meter	3200-3400
75 meter	3900-4000
60 meter	4750-5060
49 meter	5950-6200
41 meter	7100-7300
31 meter	9500-9775
25 meter	11700-11975
19 meter	15100-15450
16 meter	17700-17900
13 meter	21450-21750
11 meter	25600-26100

viet, Chinese and North Korean stations that operated in significant numbers outside the established bands. And, yes, there also were some Latin American outlets that, it seems, didn't worry too much about where they operated. But in the past couple of years, more of the large western stations chose to operate on some out-of-band frequencies on shortwave. Their decisions may have been made to escape heavy interference within the SW bands. Some, however, saw it as a ploy to dramatize a need for more broadcasting space when an international frequency conference considers frequency allocations later this year.

Starting at the top end of the shortwaves, the first two shortwave broadcasting bands are the 11 Meter (25,600 to 26,100 kilohertz) and the 13 Meter Band (21,450 to 21,750 kHz).

There still is a real lack of activity

WHERE TO DX FOR WHAT

There are three very broad categories of stations. There are the broadcast stations, which air programs of information, entertainment and music to general audiences. Then there are the radio amateurs, hobbyists who operate in two-way communication on the shortwave and higher frequencies. Everything else falls into a grab bag called utility communications, which cover the whole range of services from longwave ship-to-shore to aeronautical VHF signals, point-to-point transatlantic phone calls to radioteleprinters, to name but a few types.

kHz	Type of DX	kHz	Type of DX
Below 540	Utility, broadcast	10000-11700	Utility
540-1605	Broadcast	11700-11975	Broadcast
1605-1800	Utility	11975-14000	Utility
1800-2065	Amateur, utility	14000-14350	Amateur
2065-2300	Utility	14350-15100	Utility
2300-2500	Broadcast, utility	15100-15450	Broadcast
2500-3200	Utility	15450-17700	Utility
3200-3400	Broadcast, utility	17700-17900	Broadcast
3400-3500	Utility	17900-21000	Utility
3500-3900	Amateur, utility	21000-21450	Amateur
3900-4000	Amateur, Broadcast, utility	21450-21750	Broadcast
4000-4750	Utility	21750-25600	Utility
4750-5060	Broadcast	25600-26100	Broadcast
5060-5950	Utility	26100-26960	Utility
5950-6200	Broadcast	26960-27230	Amateur, CB
6200-7000	Utility	27230-28000	Utility
7000-7100	Amateur	28000-29700	Amateur
7100-7300	Amateur, broadcast	29700-30000	Utility
7300-9500	Utility	Above 30000	Utility, amateur, broadcast (TV, FM)
9500-9775	Broadcast		
9775-10000	Broadcast, utility		

on the highest band, 11 Meters. But as the number of sunspots—the violent eruptions on the surface of the sun that have a very real effect on high frequency reception—increases in the next year or so, look for radio-activity way up there.

Thirteen meters is turning up some broadcasting activity, and like "11," it will continue to pick up as the sunspot maxima approaches during the current cycle. Even in the best of times, however, these frequencies are for SWling during the daylight hours.

The next pair of SW bands included the 16 Meter Band (17,700 to 17,900 kHz) and the 19 Meter Band (15,100 to 15,450 kHz). Again, these are daylight bands, the places to tune for the major international broadcasters whose signals are reaching you mostly over a daylight path between station and listener. You'll find a lot of broadcasting activity on 19 Meters; somewhat less on 16 Meters.

When it comes to the biggie broadcasters, the large international stations on shortwave, those located in Europe, Africa and Asia especially, the two bands most in use are the 25 Meter Band (11,700 to 11,975 kHz) and the 31 Meter Band (9,500 to 9,750 kHz).

Twenty-five meters is something of a transitional band. Reception is possible during your afternoon and evening hours, both in daylight and darkness. During the evening hours in North America, 31 meters is perhaps the best spot to look for English language transmissions from many countries. Many of these programs are directed specifically to listeners in the United States and Canada.

Next down the line are the 41 Meter Band (7,100 to 7,300 kHz) and the 49 Meter Band (5,950 to 6,200 kHz). At least part of the 41 Meter Band is shared with 40 Meter amateur radio operators in this hemisphere. This joint use of the frequencies can, and often does, create mutual interference.

Forty-nine Meters is one of the most crowded bands in the shortwave spectrum, since it is used by both the powerful international broadcasters and by countless local type shortwave radio stations in Latin America, Africa and elsewhere in the world.

While a few stations may be audible for a while in the post-dawn period, and late in the afternoon, these two shortwave bands produce the most signals during nighttime. From dusk to dawn, the bands, especially "49," come alive!

The same thing is true of our last four shortwave bands, which are call-

ed, collectively, the Tropical Bands. These are the 60 Meter Band (4,750 to 5,060 kHz), the 75 Meter Band (3,900 to 4,000 kHz), the 90 Meter Band (3,200 to 3,400 kHz), and the 120 Meter Band (2,300 to 2,495 kHz).

These bands get their joint name because most of the signals you'll hear on these frequencies come from domestic government or commercial SW stations in the Tropical regions, where programs are aimed at home audiences, rather than listeners abroad. There is some English language programming to be heard on the Tropical Bands, but

you're more apt to hear programs in Spanish, Portuguese, French and the languages of Africa and Asia.

These Tropical Bands are almost exclusively nighttime listening spots. On such low shortwave frequencies, the path between the station and the listener should be mostly in darkness. These bands will "open" up a couple of hours before the sun sets, for stations to the east—such as those from West Africa. They will remain active through the night hours and will hold up for stations to the west, in Asia and the Pacific region, until shortly after dawn

TUNING THE POINT-TO-POINT

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

Country	Station Ownership	Freq. (KHz)
Afars & Issa	PTT Service Radioelectrique	17,610, 19,545
Albania	Ministry of Communications	7,790, 7,850
Algeria	Ministry of PT	7,885, 16,165
Australia	Australian Overseas Telecommunications	8,789.5, 10,420
Austria	Austrian Post and Telegraph	6,787, 13,848
Bahamas	Bahamas Govt. Telecommunications	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 Telecomunicaciones	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
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	Netherlands' Post and Telecomm.	8,160, 14,500
New Zealand	New Zealand Post Office	18,770, 20,725
Nicaragua	Tropical Radio Telegraph	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.	Ministry of Communications	13,710, 16,325
Zambia	Post Office Telecommunications	20,261

entertaining shows to be heard on shortwave stations. These persons find their favorite SW programs and listen to them regularly.

where you live.

Sixty Meters is a very active band during the evening hours; and 90 Meters is only somewhat less active in terms of the number of stations to be heard. These are the bands that veteran DX listeners favor. But frankly, because of the limited English programming, weaker signals, heavier interference, they will present tougher listening for newcomers to the listening hobby.

Like "41" the 75 Meter Band is shared in part with radio amateur operators. This makes for interference problems at times. This band doesn't really have too many shortwave broadcasting stations, but those that do use these frequencies tend to be exotic catches, Greenland and Pacific area stations, for example.

The 120 Meter Band often seems just dead! Indeed, here on the lowest of the shortwave broadcasting bands, there are not too many stations operating. And conditions are often not conducive to long haul reception. But you may find some Latin American (especially Brazilian and Guatemalan) stations operating here, as well as some Asian.

There are many thousands of people out there in "radioland" who enjoy listening to stations on these dozen SW broadcasting bands.

DXer or SWL? Initially, almost everyone who tunes a shortwave receiver is intrigued and fascinated by the opportunity to hear a radio signal from some far-off spot, such as Australia or China or South Africa. The "far-away" aspect does provide much of the "kick" in the listening hobby. But many listeners quickly find themselves hooked on the programs, often programming much

different than what we hear on our everyday AM radios. These listeners find that there are some excellent and

Generally speaking, these listeners are called SWLs, shortwave listeners who find their main enjoyment in the

DX CLUBS YOU CAN JOIN

One of the best ways of learning all about DXing and keeping up to date on the changing world of DX is to join one or more of the fine DXing clubs. The following clubs are affiliated with the Association of North American Radio Clubs (557 North Madison Avenue, Pasadena, CA 91101). In addition to the 11 affiliated clubs in North America, which cover one or several aspects of the DX hobby, there are seven associate member clubs which are regional in nature, or serve some smaller or specialized interest.

ANARC MEMBER CLUBS

American Shortwave Listeners Club (ASWLC). 16182 Ballard Lane, Huntington Beach, CA 92649.

Founded in 1964. For beginners and advanced DXers. Covers shortwave and utility or non-broadcast type DXing, including worldwide station data, QSL news, time index, receiver reviews. Monthly offset news bulletin, "SWL." Dues: \$13 per year. Sample bulletin copy, \$1.

Canadian International DX Radio Club (CIDX). 169 Grandview Ave., Winnipeg, Manitoba, R26 OL4, Canada.

Founded 1962. All bands, SW, MW, utilities, FM-TV, CB, amateur. Monthly mimeographed bulletin, CIDX Messenger. Dues: \$9 first class mail, \$7.50 third class. Sample bulletin copy, 25 cents. U.S. members to remit by international bank or money order, payable in Canadian funds.

International Radio Club of America (IRCA). P.O. Box 26254, San Francisco, CA 94126.

Founded in 1964. Medium wave broadcast band coverage only. Printed newsletter, DX Monitor, published 34 times a year; weekly during winter DX season. Worldwide roundup of medium wave information, special features, U.S. and Canadian station data, flash tips. Dues: \$12 per year. Sample bulletin copy 50 cents.

National Radio Club (NRC). P.O. Box 118, Poquonock, CT 06064 (membership center).

Founded in 1933. Covers medium wave BCB only. Printed magazine, DX News, issued 30 times a year, weekly in season. Technical articles, full coverage of international and domestic BCB logging and station information, receiver reviews, members musings/comments, data on test broadcasts. Dues: \$15 per year. Sample bulletin copy is 50 cents. NRC club headquarters is at P.O. Box 32125, Louisville, KY 40232.

Newark News Radio Club (NNRC). P.O. Box 539, Newark, NJ 07101.

Founded in 1927. Pioneer all-band DX club in North America, covering SW, MW, QSLs, utilities, FM, TV, CB, ham. Monthly printed bulletin, NNRC Bulletin. Dues: \$15 via first class mail; \$12 via third class. Sample bulletin copy, \$1.

North American Shortwave Association (NASWA). P.O. Box 13, Liberty, IN 47353.

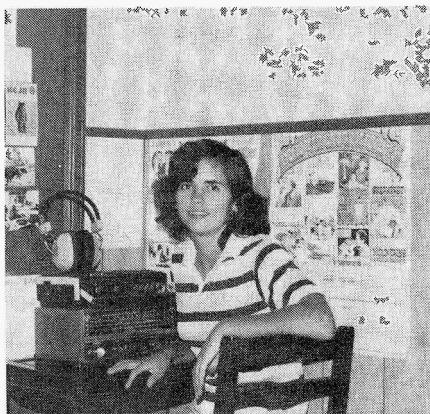
Founded in 1961. Covers shortwave broadcast exclusively. Detailed coverage of shortwave with log reports, worldwide technical articles, DX hot tips in mid-month Update flyer, QSL data, station information, etc. Monthly printed magazine, FrenDX. Dues: \$13 per year. Sample bulletin copy, \$1.

Ontario DX Association (ODXA). Apt. 1910, 1202 York Mills Road, Don Mills, Ontario M3A 1Y2, Canada.

Founded in 1974. Membership limited to DXers living in Ontario. Covers SW and medium wave BCB only. Monthly mimeographed bulletin, DX Ontario. Dues: Adults, \$11 per year, students, \$8 per year. Sample bulletin copy 50 cents.

Radio Communications Monitoring Association (RCMA). P.O. Box 4563, Anaheim, CA 92803.

Founded in 1975. Specialized radio club for DXers interested in listening to non-skip, two-way communications in the VHF-UHF public service and aircraft bands, including police, fire, marine, air, and weather bands. Monthly printed bulletin, R.C.M.A. Dues: \$6 per year. For sample bulletin copy, send large size, self-addressed envelope with stamp affixed for reply.



Joy Cronin has a complaint. How come we rarely show pics of female DX'ers? That's because you ladies haven't been sending them in! How about some distaff QSLs?

program content of the stations they hear.

There are others, however, who find that their real thrills continue to be linked, at least in part, to the "far away, far out" aspect of listening. They love the challenge of continually hear-

ing new and previously unlogged stations from as many countries of the world as they can. For these hobbyists, the attraction is less in the program content than in the challenge of bringing in new and exotic stations, the continuing quest for something not heard be-

fore.

These types are known as DXers—DX being an old radio term for "distance." The DXer gets his kicks by trying to hear the off-beat, difficult-to-tune stations, the low powered outlets, regardless of the programming. In fact, these stations usually don't broadcast in English and often aren't heard well enough to make the programs easily understood.

In reality, there's probably at least a little of the SWL and the DXer in every listener. It is the proportions that differ from individual to individual.

Curiously, most people when they first discover the excitement of listening to shortwave, begin as DX fans. They have initially little idea of what there is to hear, when or where to hear it.

So they tune around the shortwave dial, trying the various SW bands, but, generally, tuning at random. They find something that is coming through loud and clear, and in English, so they stop a while and listen. Then, later, they go on to other stations they can hear, hunting for whatever catches their attention as they tune down the dial. Everything is new and different at first.

Then, in time, most newcomers to the listening game veer in the other direction toward SWLing. They have, by then, found various stations and different types of programs. They have learned where and when to tune to find a certain favorite program. They seek out these programs they've come to enjoy.

The armchair travel aspect appeals to many! By listening to shortwave radio it is possible to roam the globe without ever leaving home—and at cut-rate prices! SWLing is a terrific way to experience the cultures, the customs, the music and the language of different nations.

You can learn a language by shortwave. A number of overseas shortwave broadcasters have special language study courses and some will even send you free text materials to go along with the broadcast lessons. Once you have picked up the basics this way, you can polish your skills by tuning the regular programs in that language. Many high school and college language instructors recognize the value of listening to broadcasts in French, Spanish, German or some other language and encourage their students to become SWLs!

For some radio hobbyists, the approach of listening for program content is exactly what they want. They need no more than to have a shortwave receiver that will give them "ears" to a

SpeedX. P.O. Box E, Elsinore, CA 02330.

Founded in 1971. Specializes in shortwave and utility DXing, technical topics, receiver and equipment reviews, log listings, station information, QSL data. Monthly offset printed magazine, SpeedX, plus mid-month SpeedX-GRAM. Dues: \$12 per year. Sample bulletin copy, \$1.

United World Radio DX Club (WRDXC). P.O. Box 1075, Elizabethton, TN 37643.

Founded in 1975. Covers shortwave, BCB MW, utilities, and amateur radio. Has two bulletins. United World DXtra (bi-monthly) and DX-o-Gram (monthly). Dues include both publications: \$10 per year. Sample copy, \$1.

Worldwide TV-FM DX Association (WTFDA). P.O. Box 202, Whiting, IN 46394.

Founded in 1967. North America's only UHF/VHF club specializing in FM and TV DXing. Technical articles, U.S. and Canadian FM and TV logs and data, QSL corner, photos of TV DX patterns, worldwide reports. Monthly printed bulletin, UHF-VHF Digest. Dues: \$11 per year. Sample copy, \$1.

ANARC ASSOCIATE CLUBS

Association of Illinois DXers. P.O. Box 95073, Schaumburg, IL 60195.

Founded in 1976; formerly the **Woodfield International DX Club**. Regional club. Monthly bulletin, AIDX Journal. Dues: Chicago area, \$2 per year; elsewhere in Illinois, \$3. Sample copy, send large sized self-addressed, stamped envelope.

Brooklyn DX Club (BDXC). c/o David Snyder, 1137 East 12th St., Brooklyn, N.Y. 11230.

Founded in 1975. Covers English language SW broadcasts. Monthly bulletin, E.L.B. Dues: local members, \$3.50 per year, elsewhere in North America, \$5. Sample copy, 50 cents.

Handicapped Aid Program (HAP). c/o Wayne A. Davis, 27 Cleveland Avenue, Trenton, NJ 08609; **Canadian Handicapped Aid Program (CHAP).** c/o Bill Dulmage, Rt. 3, Colborne, Ontario K0K 1S0, Canada.

Assists handicapped DXers and membership open to those who are handicapped or those who wish to help the handicapped help themselves. Send large sized self-addressed envelope for further details.

Long Wave Club of America (LWCA). c/o W. R. McIntonsh, P.O. Box 33188, Grenada Hills, CA 91344.

Founded in 1974. The only radio club in North America specializing in frequencies below the medium wave band, 550 kHz and lower in frequency, plus the 1750 meter band. Technical topics, log listings, station data. Monthly newsletter, The Low-Down. Dues: \$6 per year. Sample copy, send stamped, self-addressed envelope.

Miami Valley DX Club (MVDXC). c/o Jack Wyatt, 170 Notre Dame Ave., Dayton, OH, 45404.

Covers SW only. Founded in 1973. Monthly mimeographed bulletin, DX World. Features propagation forecasts, technical and logging data, DX news. Dues: \$3 per year. Sample copy, 25 cents.

Minnesota DX Club (MDXC). 5212 Drew South, Minneapolis, MN 55410.

Founded in 1973. Regional club, membership limited to DXers living in Minnesota. Covers SW and MW radio. Monthly newsletter, MDXC Messenger. Dues: \$2 per year. Sample bulletin copy, send stamped, self-addressed envelope.

University of Manitoba DX Club (UMDXC). Room 517, Box 131, University Centre, Winnipeg, Manitoba, R3T 2N2 Canada.

Founded in 1972. Regional club, membership limited to residents of Manitoba and DXers attending the U. of M. No bulletins. For information send self-addressed stamped envelope.

* * * *

The Association of North American Radio Clubs (ANARC) is not itself a club, and accepts no individual memberships. It is an umbrella organization of North American hobby radio clubs. However, individuals may subscribe to the monthly ANARC Newsletter. Subscription: \$2.50 per year in North America.

new and enjoyable world of listening—listening different from anything they can hear on their AM radio!

Others, however, decide that it is the challenge of the hunt that intrigues them. And, inevitably, that means they will be listening for stations that broadcast in languages other than English. For most listeners, they will never become fluent in the foreign languages they hear. At best they may learn enough of the languages, perhaps quite a few different languages, to enable them to identify the stations they are hearing. Some program items, music for instance, are universal, and there is no language barrier. But when a DXer pursues stations, regardless of language, it is the quest for the new, the unusual, the different, the rare, rather than the programs themselves, that is the major attraction!

Not everyone has this hunter in-

stinct for new stations. Nor is it necessary that they do. DXing is one aspect of the hobby; SWling is another. The pure SWL may find it puzzling to think that someone would want to listen to a station whose programs he can't really understand. And the pure DXer, can't really understand. And the pure DXer, likewise, can't imagine why anyone would want to tune the same, familiar stations again and again.

The Original DXing. In terms of numbers of hobby listeners, there are probably more shortwave fans than any other group. But in the "radio-active" '70s, one of the fastest growing aspects of the listening hobby has been the monitoring of the VHF-UHF public service "action" bands!

There are other forms of DXing though—remember, that's hunting for distant or hard-to-receive radio frequency signals!

They may not attract as many adherents, but each has its fanatical band of supporters. Oh yes, indeed! Here at COMMUNICATIONS WORLD I get letters from them, Like this one from a reader in Pennsylvania:

"In the '30s, there were virtually no all-nighters on the dial. Stations almost never broadcast 1 am local time, and most, even in the big cities, signed off at midnight. This meant that virtually every frequency . . . was clear from the East coast straight across to California, Oregon, Washington and British Columbia, seven mornings a week!

"So by 2 am, EST, on a good morning, it was not only possible to hear West coasters on regular schedule, it was in reality run-of-the-mill reception. With better equipment and more available time it would have been possible to hear (from the New York metropolitan area) 200 or more Western stations, in fact.

"Most New York, Chicago, San Francisco and Los Angeles stations

WHERE TO SEND THOSE RECEPTION REPORTS

Afghanistan	Radio Afghanistan, P.O. Box 544, Kabul	Egypt	Radio Cairo, Engineering Dept., Box 1186, Cairo
Albania	Radio Tirana, Rua Ismail Quemal, Tirana	Finland	Radio Finland, External Service, Kesakuta 2, SF-00260 Helsinki
Algeria	Radiodiffusion-TV Algerienne, 21 Blvd. des Martyrs, Algiers	France	Radio France International, B.P. 9516, F-75016, Paris
Angola	Radio Nacional, C.P. 1329, Luanda	Germany (DDR)	Radio Berlin International, Nalepastrasse 18-50, Berlin 116
Argentina	Radiodifusora Argentina al Exterior, Ayacucho 1556, 1112 Buenos Aires	Germany (GFR)	Deutsche Welle, P.O. Box 10 04 44, Cologne 5
Australia	Radio Australia, Box 4286, GPO, 3001, Melbourne, Victoria	Great Britain	British Broadcasting Corp., Bush House, Box 76, London WC2B 4PH
Austria	Austrian Radio, Short Wave Service, A-1136, Vienna	Greece	Voice of Greece, Box 19, 16 Mourouzi St., Aghia-Paraskev, Athens
Bangladesh	Radio Bangladesh, 20 Green Rd., Dacca 5	Guatemala	TGNA, Radio Cultural, Aparatado 601, Guatemala City
Belgium	Radiodiffusion-TV Belge, P.O. Box 26, 1000 Brussels	Haiti	4VEH, La Voz Evangelique, Boite Postale 1, Cap Haitien
Bolivia	La Cruz del Sur, Cajon 1408, La Paz	Guam	Trans World Radio, P.O. Box CC, Agana, Guam 96910
Botswana	Radio Botswana, P.O. Box 52, Gaborone	Honduras	La Voz de Evangelica, HRVC, Apartado 145-C, Tegucigalpa
Bulgaria	Radio Sofia, 4 Bd. Dragan Tsankov, Sofia	Hungary	Radio Budapest, Brody Sando utca 5-7, 1800 Budapest
Burma	Burma Broadcasting Service, Prome Road, Kamayut P.O., Rangoon	India	All India Radio, P.O. Box 500, New Delhi 11000
Byelorussian SSR	Radio Minsk, 4 Krasnaya St., Minsk, U.S.S.R.	Israel	ISRAEL Broadcasting Authority, P.O. Box 1082, 91-000 Jerusalem
Canada	CHU, National Research Council, K1A OS1 Ottawa, Ontario Radio Canada International, Box 6000, Montreal H3C 3A8, Quebec	Italy	Italian Radio & TV, Caselle Postalle 320, Rome
Chile	Radio Nacional de Chile, Casilla 244V, Santiago	Ivory Coast	Radiodiffusion-TV Ivorienne, Boite Postale 2261, Abidjan
China	Radio Peking, Peking	Japan	Radio Japan, Nipon Hoso Kyokai, Jinnan 2-2-1, Shibuya-ku, Tokyo 100
Colombia	Radio Nacional, Apto. Aereo 51-72, Bogota	Korea (South)	Korean Broadcasting Corp., P.O. Box 150, Seoul
Costa Rica	TIFC, Faro del Caribe, Apartado 287, San Jose	Korea (North)	Korean Central Broadcasting Committee, Pyongyang
Cuba	Radio Havana Cuba, P.O. Box 7026, Havana	Kuwait	Kuwait Broadcasting and TV, P.O. Box 397, Kuwait
Czechoslovakia	Radio Prague, Prague 2	Liberia	ELWA, Box 192, Monrovia
Denmark	Radio Denmark, TV-Byen, DK-2860 Soborg, Copenhagen	Lithuanian SSR	Radio Vilnius, 49 Konarsky St., Vilnius USSR
Ecuador	HCJB, La Voz de los Andes (Voice of the Andes), Casilla 691, Quito		

stayed on until 1 am," Cooper recalled. "After 1 am then, in the East, it was easy to log Chicago and other Central Standard Time zone stations. By 1 or 2 am EST, things were open through to the Mountain Standard Time zone stations and to some Pacific Standard Time zone stations.

"It was something like the network's coverage of New Year's Eve these days, following the New Year westward. And that was how it was so comparatively easy for those of us who were active in those exciting days to log and verify so many 3,000 milers. It worked in reverse, of course, for the West coast DXer. He could (in the mornings) get the East coast stations signing on, then an hour later, the Centrals and Mountain zone stations, before any of his locals opened up.

"Ah yes, 'twas fun!"

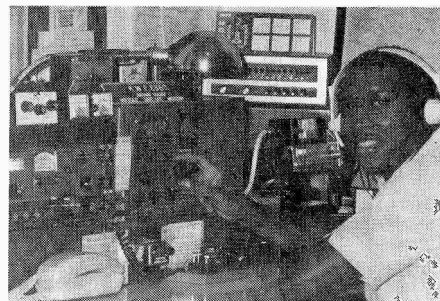
Just by reading Cooper's comments, it is easy to get caught up in the excitement of BCbing in that era.

But—and here's a flash for you—none

of that enthusiasm and excitement is gone from BCB medium wave DXing. Cooper would be the first to tell you that! The thrills of tuning elusive stations, both U.S. and Canadian domestics as well as the foreign broadcasters, are every bit as compelling in the late 1970s as they were in the '30s. And there are far more target stations to try for these days!

As the DXing craze spread across the country in the 1920s, listeners here and listeners there began to get together locally to share their tuning experiences and pass along tips on what to listen to and when. Before long there were listeners' clubs growing up in various cities. In some cases, the "glue" that stuck these club groups together was a radio column in the local newspaper. There were clubs sponsored by such papers as the Buffalo Evening News and the Newark (NJ) News.

In 1977, the latter club—long since divorced from any ties with the newspaper but still retaining its name of the



Now here's a smart looking shack. Ronald Robinson of Cedar Grove, N.J. has more than half of his 50 countries confirmed.

Newark News Radio Club—marked its 50th birthday!

It was in 1933 that members of the Philadelphia Radio Club and the Transcontinental Radio Club merged. And then the Buffalo group plus several other listener organizations from the Atlantic seaboard to the Middle West joined forces to form another major

Mexico	Radio Mexico, XERMX, P.O. Box 20-620, Mexico DF	Surinam	Stichting Radio Omroep Suriname (SRS), Box 271, Paramaribo
Mozambique	Radio Mozambique, C.P. 594, Maputo	Sweden	Radio Sweden, S-105 10, Stockholm
Nepal	Department of Broadcasting, Katmandu	Switzerland	Swiss Broadcasting Corp., Overseas Service, CH3000 Berne 16
Netherlands	Radio Nederland, Box 222, Hilversum	Syria	Radio Damascus, Omayad Square, Damascus
Neth. Antilles	Trans World Radio, Bonaire	Tahiti	Radio Tahiti, B.P. 125, Papeete
New Caledonia	Radio Noumea, B.P. 327, Noumea	Tanzania	Radio Tanzania, P.O. Box 1178, Dar es Salaam
New Zealand	Radio New Zealand, P.O. Box 2092, Wellington	Togo	Radiodiffusion du Togo, Boite Postale 434, Lome
Nigeria	Voice of Nigeria, External Service, P.M.B. 12504, Lagos	Turkey	Radio Ankara, Genel Mudurlugu, Mithat Pasa Caddesi 37, Ankara
Norway	Radio Norway, Bh. Bjornsons Plass 1, Oslo	United States	Armed Forces Radio & TV Service, Office of Information Washington D.C. 20305
Pakistan	Radio Pakistan, World Service, P.O. Box 443, Karachi or 82-A Satellite Town, Rawalpindi		KGEI, Friendship Station, Redwood City, CA 94063
Papua New Guinea	National Broadcasting Commission, Box 1359, Boroko		Voice of America, Public Information Office, Washington DC 20547
Peru	Radio Nacional, Av. Petit Thouars 441, Lima		WINB, P.O. Box 88, Red Lion, PA 17356
Philippines	Far East Broadcasting Co., Box 2041, Manila		WYFR, Family Radio, 290 Hegenberger Road, Oakland, CA 94621
	Philippines Broadcasting Service, 5th Floor, GSIS Bldg., Arroceros Street, Manila	Uruguay	S.O.D.R.E., Servicio Oficial de Difusion Radioelectrica, Merceded 823, Montevideo
Poland	Radio Warsaw, P.O. Box 46, 00-950 Warsaw	USSR	Radio Moscow, Moscow
Portugal	Radio Portugal, Rua do Quelhas 21, Lisbon		Radio Kiev, Radio Centre, 26 Kreschatik, Kiev, Ukrainian S.S.R.
Romania	Radio Bucharest, P.O. Box 111, Bucharest		Radio Tashkent, 49 Khorezm St., Tashkent, Uzbek S.S.R.
Saudi Arabia	Broadcasting Service of the Kingdom of Saudi Arabia, Box 2476, Riyadh, Kingdom of Saudi Arabia	Vatican City	Vatican Radio, Vatican
Senegal	Radiodiffusion due Senegal, B.P. 1765, Dakar	Venezuela	Radio Nacional, Apartado 3979, Caracas DF
Seychelles	Far East Broadcasting Association, P.O. Box 234, Victoria	Vietnam	Radio Hanoi, Voice of Vietnam, 58 Quan-Su Street, Hanoi
South Africa	Radio RSA, P.O. Box 4559, Johannesburg 2000	Windward Islands	Radio Grenada, P.O. Box 34, St. George's, Grenada
Spain	Radio TV Espana, General Yague 1, Madrid 20	Yemen	Radio Sana, Sana
Sri Lanka	Sri Lanka Broadcasting Corp., P.O. Box 574, Colombo 7	Yugoslavia	Radio Yugoslavia, External Broadcasting, Box 880, Belgrade
		Zaire	La Voix du Zaire, B.P. 3171, Kinshasa
		Zambia	Zambia Broadcasting Service, P.O. Box RW, 15, Lusaka

club, the National Radio Club.

Though the officers, editors and even the headquarters location have changed over the decades, the National Radio Club continues as an active medium wave listeners' club some 46 years later.

These two clubs, Newark News Radio Club and the National Radio Club, maintain a link with the past, bridging the years from the very early days of medium wave DXing to the present. There are of course a number of hobby clubs of more recent origin that also help to preserve the spirit of DXing's past days.

There were, from the early days, a number of publications to aid the MW listener. Virtually every major newspaper had a radio listening column at least weekly, and some on a daily basis.

There were magazines also, *Radio News*, *Radio Craft*, *All-Wave Radio*, with information for listeners. There were publications such as *What's On The Air*, which began publication in 1929. In its day, it provided readers with a guide to what to tune, where to tune it and when. It was program oriented and contained feature stories about some of the early radio stars and hit programs of the airwaves. A sort of *TV Guide* for radio listeners, it described its offerings in this way:

"The hours you spend with your radio are really more important because they constitute a very substantial part of your entire leisure. *What's On The Air* tells you with almost no effort on your part what the big chains (today we'd call them networks) and powerful nationally popular stations may be expected to offer at any moment. You not only learn what features are available, but also know what kind of enter-

tainment to expect. For example, if your mood calls for a symphony concert, *What's On The Air* tells you where to look for a symphony concert; if your guests want to dance, it immediately gives you a list of dance orchestras on the air at the time—in short, it tells you where to find exactly what you want exactly when you want it."

And the magazine also contained a radio log, a list of stations, call letters, locations, frequencies and powers.

There were, over the years, many published radio logs. Probably the most famous of the early magazine logs was *White's*.

Where *White's Log* Began. Longtime BCB DXers well remember the *White's Radio Logs* of the past, slim volumes that appeared on the newsstand four times a year. A little magazine packed with interesting data on radio stations, but with what must have been the ugliest black-and-white cover in the history of magazinedom!

While the other radio logs died, over the years, *White's* has gone on, as *COMMUNICATIONS WORLD* readers know fully well. And the medium wave BCB listeners of 1979 will rely on *White's* as much as their dads and granddads did over a half century ago.

How did *White's Radio Log* wind up as part of *CW*, the *DXing* magazine of the last quarter of the 20th century?

It began in Providence, Rhode Island, long ago. Charles De Witt White followed his father in his publishing business which specialized (long before radio) in printing city directories, municipal tax guides and street guides for various cities.

When radio first began making an impact on the American public, White quickly recognized an unmet need for an accurate list of stations and fre-

INTERPOL FREQUENCIES

Location	KHz	Call
Algiers, Algeria	4632.5	7RA20
Helsinki, Finland		OGX
Paris, France		FSB53
Stockholm, Sweden		SHX
Wiesbaden, Germany		DHA33
West Wickham, England		GMP
Beirut, Lebanon	6792	ODW21
Paris, France		FSB54
Tel Aviv, Israel		4XP40
Utrecht, Netherlands		PDB2
Brussels, Belgium	7532	ONA20
Oslo, Norway		LJP27
Paris, France		FSB55
Rome, Italy		IUV81
Vienna, Austria		OEQ
Zurich, Switzerland		HEP
Lisbon, Portugal	9200	CSI66
Paris, France		FSB56
Rabat, Morocco		CNT
Altamont, Canada	10390	XJE57
Copenhagen, Denmark		OWS4
Madrid, Spain		EEQ
Paris, France		FSB57
Rio de Janeiro, Brazil		PY22
Tunis, Tunisia		3VA
Ankara, Turkey	14817.5	TCC2
Caracas, Venezuela		YV23
Buenos Aires, Argentina		AYA48
Ottawa, Canada		XJD48
Bogota, Colombia	18380	---
Mexico City, Mexico		---
Paris, France		FSB60
Teheran, Iran		---
Manila, Philippines	19360	---
Paris, France		FSB62

quencies. Compiling such a list was especially difficult before 1927, when legislation was passed in Congress to control the fledgling broadcasting industry.

For in those earliest days, any small businessman could—and many did—open up his own broadcasting station without any licensing formality to advertise his wares or services. The owner of a hardware store or feed mill, a dentist or barber could build—or have built—a transmitter, select a frequency and go on the air.

It took a lot of research for such a



Greg Deuhs of St. Paul, MN does his DX'ing with a Hallicrafters SX-100. He will be joining the ham ranks in the near future.

TV CHANNELS AND FREQUENCIES

Channel	Video/Audio Freq. (MHz)	Channel	Video/Audio Freq. (MHz)
2	55.250/59.750	7	175.250/179.750
3	61.250/65.750	8	181.250/185.750
4	67.250/71.750	9	187.250/191.750
5	77.250/81.750	10	193.250/197.750
6	83.250/87.750	11	199.250/203.750
		12	205.250/209.750
		13	211.250/215.750

The UHF TV channels begin at Channel 14 (471.250/475.750 MHz) and continue with audio and video channels six megahertz apart up to Channel 83 (888.250/889.750 MHz). Many other countries not only use different transmitting standards (positive or negative video modulation, number of scanning lines, channel width, etc.), but also have a different channel arrangement. In the United Kingdom there are 14 VHF TV channels running from 45.000 MHz to 216.250 MHz. In much of Continental Europe there are 12 channels, 48.250 to 229.750 MHz. France has 11 channels from 52.400 to 201.700 MHz. Italy, Russia, Morocco, Australia, New Zealand and Japan all have their own "channels" to add to the confusion. So if you plan to travel abroad, forget about taking your American made portable TV with you!

186,282
181.92
188.72
195.47
202.23

See miles
cycles Sec

AERONAUTICAL DX

This is a selected list of tower and approach control frequencies used by major airports in the U.S.

Airport and Location	Tower	Approach	Airport and Location	Tower	Approach
Albany County, NY	119.5	125.0	J. F. Kennedy International, NY	119.1	134.35
Albuquerque, NM	118.3	124.4	LaGuardia, NY	118.7	118.0
Amarillo, TX	118.3	121.15	Lakefront, LA	126.2	125.5
Andrews AFB, MD	118.4	119.3	Logan International, MA	119.1	126.5
Baltimore-Washington International, MD	119.4	125.9	Los Angeles International, CA	120.8	128.5
Charleston, SC	126.0	123.9	Memphis International, TN	119.7	125.8
Chicago-Midway, IL	118.7	119.35	Metro Oakland International, CA	126.0	135.4
Chicago-O'Hare International, IL	118.1	125.7	Miami International, FL	118.3	128.6
Cleveland-Hopkins, OH	120.9	124.0	Minneapolis-St. Paul, MN	118.7	126.95
Dallas-Ft. Worth, TX	126.55	125.8	Nashville Metro, TN	119.1	124.0
Dallas-Love Field, TX	118.5	124.5	Newark, NJ	118.3	127.6
Dekalb-Peachtree, GA	120.9	119.3	Philadelphia International, PA	118.5	135.1
Des Moines Muni, IA	118.3	124.9	Phoenix-Sky Harbor International, AR	120.9	124.1
Detroit Metro, MI	121.1	125.15	Sacramento Metro, CA	125.7	125.2
El Paso International, TX	118.3	121.3	Salt Lake City International, UT	119.2	128.0
Fulton County, GA	118.5	122.45	San Diego International, CA	118.3	128.0
Greater Buffalo International, NY	120.5	126.2	San Francisco International, CA	120.5	134.5
Greater Cincinnati, OH	118.3	119.7	Seattle-Tacoma International, WA	119.9	123.9
Greater Pittsburgh, PA	119.1	124.15	Tampa International, FL	119.5	126.4
Houston International, TX	118.1	123.8	Tucson International, AZ	118.3	125.1
Indianapolis Muni, IN	120.9	124.65	Will Rogers World, OK	139.9	124.2
Jacksonville International, FL	118.3	124.4	William B. Hartford-Atlanta Intl. GA	119.1	120.5

radio log book. But White correctly felt that his background in the field of publishing statistical information and municipal directories would be helpful. Initially the scope of the project was limited. In 1924 he came out with his first limited publication, *The Rhode Island Radio Call Book*. A short time later, he followed up with what he called *White's Triple List of Radio Broadcasting Stations*. For decades this triple listing—by frequency, by call letters and by city—was the key to White's success. That triple listing format is retained today!

In 1927, these publications were merged and nation-wide coverage began. In ensuing years there were related White publications, such as *Sponsored Radio Programs*, *Radio Announcer's Guide*, *Short Wave Schedule Guide* and a special Canadian edition.

In the years before World War II, the log would sometimes appear under the sponsorship of various products. In 1929-31, it was called the *Enna Jettick Radio Log*, sponsored by the shoe manufacturer of the same name. Nearly a decade later, 1938-39, it was called the *General Electric Radio Log*, promoting the "sensational 1939 receivers with pushbutton tuning!"

But usually it was *White's Radio Log* which DX fans looked for on the newsstands. And its circulation went well over the million copy mark.

Charles De Witt White made quite a name for himself with his radio log. But he had two distinguished names

to start with. He was a direct descendant of Peregrine White, the first child born on the Mayflower's crossing to the New World, and De Witt Clinton, "father" of the Erie Canal.

In time the radio log operation was successful enough that White sold his city directory and street guide business. Later he moved from Providence to Bronxville, a New York City suburb. He continued to publish his log for 34 consecutive years. His publication already was 24 years old when this writer, *COMMUNICATIONS WORLD's* communications editor, picked up his first black- and white-covered issue in 1947.

It was ten years later, April 6, 1957, that White died at the age of 76. After his death, his daughter, Mrs. W. R. Washburn, sold all rights to the log to Science and Mechanics Publishing Co., now Davis Publications, Inc.

It was in 1958 that White's Radio Log appeared in *Radio-TV Experimenter* magazine, a bi-monthly that later became *Science and Electronics*, and which finally evolved into our sister publication, *Elementary Electronics*.

In 1964, when *R-TV Experimenter* became a bi-monthly, the decision was made to split the log into three parts, presenting a section in each issue. This meant that two complete White's Logs were published each year in the six magazine issues.

But as the log continued to grow in size, another change was necessitated. In 1969, White's Radio Log was published in six parts. Each issue contain-

ed a major listing for either AM broadcasting stations, FM broadcasting stations or television stations, plus an expanded listing of shortwave stations of the world, updated for each issue.

The final change for White's came in 1971, when this magazine, *COMMUNICATIONS WORLD* burst on the radio hobby scene. In response to many reader requests, it was decided that it was time to put the complete White's Radio Log back between the covers of a single issue of a magazine, back the way old Charles De Witt White had done for so many years. Since that time, the complete White's log has appeared in each issue of *COMMUNICATIONS WORLD*.

So in the coming months as you check through the station listings in the back of this issue of CW, remember the long tradition behind those useful lists, the 61st volume of *White's Radio Log*!

From Then to Now. When you tune the 540 to 1600 kHz medium waves, the Broadcast Band (BCB) of AM radio, the first observation likely will be, "Wow! What a lot of stations!"

That's right! There are more than 5,000 different stations on the air and they all occupy the same relatively small chunk of radio frequency spectrum, just slightly more than one megahertz of radio space. If you'd like to make a comparison, consider this: Television channels 2 through 6 occupy some 32 megahertz of radio spectrum!

With all those signals shoehorned into a relatively small space, it means

a lot of confusion and mutual interference. This isn't a serious problem to the casual AM radio listener who wants to tune his favorite music, or catch a newscast from one of a handful of powerful local or regional stations, or on a low powered local station practically next door in his home town.

But the BCB DXer has a different aim. He is setting out deliberately to hear those distant and weaker stations. So right off the top, the DXer has co-channel interference problems—in short, *noise!*

But let's think positively, not negatively. Focus on the bright spots! Consider how many potential targets there are, here and abroad, to try for in your logging.

Many of these medium wave outlets aren't too hard to hear, even distant stations on the opposite sides of our continent are audible. There are powerful stations in most of the major U.S. and Canadian cities that will be fairly simple catches at night on AM radio.

However, there also are thousands of stations out there which will be difficult to nearly-impossible targets for your tuning. These are the low powered stations jam packed into crowded, interference-ridden frequencies.

Just because they are North American stations, not stations across the ocean or on the opposite side of the world, don't get the notion that BCB DXing is a snap. Just because you may have picked up on your bedside radio some night a station in Salt Lake City or New Orleans or Richmond, Virginia, a thousand miles or more away, don't think that logging all medium wave outlets is a cinch! Anything but!

Oh yes, your first hundred BCB AM catches will come quite easily—maybe even a couple of hundred. After that, however, it gets progressively harder to hear new, previously unheard stations.

By international agreements, you are probably aware that U.S., Canadian

and Mexican stations as well as those in other western hemisphere nations, are located on frequencies 10 kilohertz apart, in the range from 540 to 1600 kHz.

In the U.S. and Canada, these BCB transmitters range in power from about 250 watts to 50 kilowatts, that is, 50,000 watts. There are some untended Canadian relay transmitters that run less power, as little as 20 watts. And there are, in recent years, some U.S. highway and recreational information stations, including a number within our

national parks, which operate with even less wattage on frequencies just above 1600 kHz (but which are still tunable at the high end of your radio dial). Mexican stations are allowed much higher transmitter powers, up to 150 kw. in some cases, though these are the exceptions rather than the rule.

Not all medium wave frequencies are created equal! In fact, the 107 different frequency channels between 540 and 1600 kHz are divided into three different categories: clear, regional and local channels.

Clear Channels. Clear Channels are the easiest to tune of all the BCB frequencies. The reason this is true is

VERY LOW FREQUENCY DXING

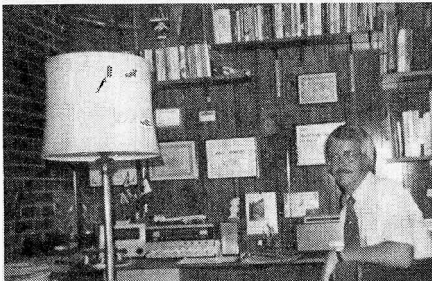
The very low frequencies 3 to 30 kHz are off the beaten track but there are some DXers who prowl these bottom bands. And there are some interesting things to be heard here, much of it in CW Morse code.

kHz	Station	Location	Type of transmission
14.1	NAA	Cutler, ME	Navy VLF communications
14.5	HWU	Le Blanc, France	Point-to-point
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

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 UHF: 460.050, 460.375	Minneapolis, MN	VHF-High: 154.74, 154.90, 156.03
Atlanta, GA	VHF-High: 155.85, 156.21 UHF: 460.025, 460.075, 460.150, 460.425	New Orleans, LA	VHF-High: 158.91 UHF: 460.205, 460.100, 460.200, 460.225, 460.475
Baltimore, MD	VHF-High: 155.79 UHF: 495.1875	New York, NY	UHF: 470.6375, 470.6625, 470.6875, 470.7125, 470.7375, 470.8125, 470.8625, 470.8875, 470.9375, 470.9875
Cleveland, OH	UHF: 460.125, 460.225, 460.275, 460.400, 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 UHF: 460.075, 460.125, 460.200, 460.275, 460.350, 460.400	Philadelphia, PA	VHF-High: 155.07, 155.625 UHF: 460.150, 460.250, 460.350, 460.375
Dallas, TX	VHF-High: 155.19, 155.26 UHF: 460.025, 460.075, 460.175	Pittsburgh, PA	VHF-High: 158.97 UHF: 458.10, 458.40
Denver, CO	VHF-High: 156.03 UHF: 460.425	Portland, OR	VHF-High: 154.65, 155.97, 156.15, 158.91, 159.21 UHF: 460.500
Detroit, MI	VHF-High: 155.85 UHF: 460.275	St. Louis, MO	VHF-High: 155.61, 159.03 UHF: 453.40
Houston, TX	VHF-High: 154.86, 155.13, 155.55 UHF: 460.025, 460.050, 460.350	Salt Lake City, UT	VHF-High: 154.83, 154.875, 155.01, 155.13
Kansas City, MO	VHF-High: 154.71, 155.64, 155.85, 156.09 UHF: 453.10	San Francisco, CA	VHF-Low: 45.10, 45.14, 45.46, 45.58 UHF: 460.125, 460.350, 460.075
Las Vegas, NV	VHF-High: 155.55, 155.73	Seattle, WA	VHF-High: 155.25, 155.64, 155.97
Little Rock, AR	VHF-High: 155.61	Washington, DC	UHF: 460.100, 460.250, 460.475
Los Angeles, CA	VHF-High: 154.83, 159.03 UHF: 453.100, 506.5875, 506.8125		



Brian A. Rogers of Allen Pk., MI SWL's mainly for international news. He uses a Drake SW-4A and Realistic's DX-150A.

easily understood—limited interference. There are 60 different medium wave frequencies—over half the number in the band—designated as clear channels in North America. The term “clear,” however, may not be exactly what it seems. WOAI, San Antonio, Tex., 1200 kHz, is the only station that stands alone on its frequency. Other clear channels are shared by a few stations, although there is a primary, dominant broadcaster within this select group on each frequency. On most of the clear channels, the primary station is in the United States. On some of the clears, however, the main station is in Canada, Mexico, Cuba or the Bahamas.

So several stations, at least, use each of the so-called clear channels, with the exception noted above.

On 720 kHz, for example, WGN, Chicago, is the primary outlet and can be heard nationwide at night. But KDWN in Las Vegas also uses the frequency on a restricted basis. Outlets in Alaska and Hawaii also use 720 kHz.

One of the nation's pioneer stations, WLW in Cincinnati operates on clear channel 700 kHz. That frequency, however, also is assigned to KBYR in Anchorage, Alaska, far enough away to cause no mutual interference.

The second basic category of frequencies is the regional channel. While the clear channels are intended to provide interference protection for some powerful 50,000 watt AM stations that can, at night, provide reception across wide areas of the country, the regional stations are intended to cover much smaller areas with minimal co-channel interference. Regional stations could reach (on a regular basis with good, listening quality signals) listeners in a number of adjacent counties, all of a state, or parts of several states.

There are 41 regional channels and each of these frequencies is home to some 25 to 50 different stations. To minimize interference, regional stations are limited to 5,000 watts of power. Many of them broadcast only during daylight hours, but since signals reach out much further at night, interference would be more likely to occur during darkness hours. Also, directional antenna patterns, to minimize interference, are required. Similar hour and antenna restrictions are imposed on the secondary stations on the clear channels.

The third and final category of frequencies is the local channel. There are, and this may come as a surprise considering there are so many low powered local stations across the continent,

only a handful of channels assigned to this group. In fact, there are just six—count 'em, six—local frequencies. They are 1230, 1240, 1340, 1400, 1450 and 1490 kHz.

But about one fourth of all the licensed AM BCB stations in the United States are assigned to these six frequencies. That figures out to an average of about 150 to 200 stations on

each of these half dozen channels!

These stations may operate 24 hours a day, with up to 1,000 watts during the day; 250 watts at night. Many, however, operate with 250 watts during their entire programming day.

No matter where you live in the U.S. and Canada—with perhaps the exception of some very remote western areas—you should have reception from

HOW TO HEAR ALL 50 STATES ON MEDIUM WAVE

Some veteran listeners may take exception to some of our choices, but here is COMMUNICATIONS WORLD's suggestions as how to log the 50 states on BCB.

State	Freq. (kHz)	Channel	Call Letters	City	kw
Alabama	850	Clear	WYDE	Birmingham	10*
Alaska	750	Clear	KFQD	Anchorage	50*
Arizona	620	Regional	KTAR	Phoenix	5
Arkansas	1090	Clear	KAAY	Little Rock	50
California	640	Clear	KFI	Los Angeles	50
Colorado	850	Clear	KOA	Denver	50
Connecticut	1080	Clear	WTIC	Hartford	50
Delaware	1410	Regional	WDOV	Dover	5
Florida	560	Regional	WQAM	Miami	5
Georgia	750	Clear	WSB	Atlanta	50
Hawaii	650	Clear	KORL	Honolulu	10
Idaho	1140	Clear	KGEM	Boise	10
Illinois	720	Clear	WGN	Chicago	50
Indiana	1190	Clear	WOWO	Ft. Wayne	50
Iowa	1040	Clear	WHO	Des Moines	50
Kansas	1250	Regional	WREN	Topeka	5
Kentucky	840	Clear	WHAS	Louisville	50
Louisiana	870	Clear	WWL	New Orleans	50
Maine	970	Regional	WCSH	Portland	5
Maryland	1090	Clear	WBAL	Baltimore	50
Massachusetts	1030	Clear	WBZ	Boston	50
Michigan	760	Clear	WJR	Detroit	50
Minnesota	830	Clear	WCCO	Minneapolis	50
Mississippi	1550	Clear	WOKJ	Jackson	50
Missouri	1120	Clear	KMOX	St. Louis	50
Montana	1370	Regional	KXLF	Butte	5
Nebraska	1110	Clear	KFAB	Omaha	50
Nevada	630	Regional	KOH	Reno	5
New Hampshire	1290	Regional	WKNE	Keene	5
New Jersey	930	Regional	WPAT	Paterson	5
New Mexico	770	Clear	KOB	Albuquerque	50
New York	770	Clear	WABC	New York City	50
North Carolina	1110	Clear	WBT	Charlotte	50
North Dakota	550	Regional	KFYR	Bismarck	5
Ohio	700	Clear	WLW	Cincinnati	50
Oklahoma	1520	Clear	KOMA	Oklahoma City	50
Oregon	1190	Clear	KEX	Portland	50
Pennsylvania	1020	Clear	KDKA	Pittsburgh	50
Rhode Island	630	Regional	WPRO	Providence	5
South Carolina	1390	Regional	WCSC	Charleston	5
South Dakota	570	Regional	WNAX	Yankton	5
Tennessee	650	Clear	WSM	Nashville	50
Texas	1200	Clear	WOAI	San Antonio	50
Utah	1160	Clear	KSL	Salt Lake City	50
Vermont	1000	Clear	WHWB	Rutland	1**
Virginia	1140	Clear	WRVA	Richmond	50
Washington	1510	Clear	KGA	Spokane	50
West Virginia	1170	Clear	WWVA	Wheeling	50
Wisconsin	1070	Clear	WTSO	Madison	10
Wyoming	1410	Regional	KWYO	Sheridan	1

*—Reduced power at night

**—Daylight operation only

one or more local stations in your community or nearby. Because you are located only a relatively short distance from these local outlets, you can get clear reception. At short range, the signal is loud and clear, overpowering the distant signals of other stations sharing the frequency. Perhaps you never realized that there are hundreds of other stations across North America using the same local frequencies.

But try this. Tune to one of the six local frequencies on which you do *not* have a station in your immediate vicinity. During daylight hours, when medium wave signals don't travel so far, you might find some other area's local outlet, maybe 100 or 200 miles away. But chances are you'll hear a couple of stations—some other area's "locals"—mixing it up on the channel.

Then make the same test at night. Medium wave signals "reach out" across the darkness for many hundreds or even thousands of miles. Now, with no station in your hometown dominating a certain local frequency, you'll find total bedlam. You will be receiving signals from dozens, scores, hundreds perhaps, of somebody else's "local" stations.

What does it sound like to receive a hundred different signals all on the same frequency at the same time? Normally it is chaos, with no individual station's programming intelligible. On the local channels, the half dozen of them, predictable reception at night is a virtual impossibility. These are the frequencies BCB DXers call the "graveyard."

Still, among veteran medium wave DXers, the six graveyard frequencies are the prime hunting grounds for BCB signals. These frequencies are unpredictable. Varying reception patterns, propagational vagaries often will bring in one or another, or yet another and another of the stations above the level of the background "mess." For a few

minutes, or many minutes, it might be possible to pick out one signal and identify the program and station you're logging. One night you may receive an intelligible signal from a certain station, but then never hear it again for years, no matter how often you tune the same channel.

This unpredictable nature of the local channels is a big attraction to many medium wave listeners. And some remarkably long-haul receptions of very low powered stations is possible.

The National Radio Club's bulletin periodically lists the "record" distances chalked up by its members in receiving stations on the graveyard local channels. For instance, Californian Gene Allen heard WXLJ, Dublin, GA, at a distance of 2,330 miles on 1230 kHz. KPPC, Pasadena, CA, 1240 kHz, was logged 2,500 miles away in Massachusetts by Stan Morss, though this was some years ago. Jerry Starr, an Ohioan who is a professional broadcaster, received KLMX in Clayton, NM, 1450 Hz, 1,235 miles away. And many graveyard frequency stations are heard over distances of from 500 to 1,000 miles.

BCB station reception over a thousand, several thousand miles is not at all uncommon on the clear channels and even on regional frequencies, of course.

The AM broadcasting stations in North America use call letters, you know. This is usually not the case in other parts of the world, where slogans more commonly are used to identify stations.

Canadian broadcasters also use call letters. These calls begin with the letter "C." In Mexico, the call letters are in the "XE" series, although like other Latin American broadcasters, slogans in Spanish are often heard.

In the United States, as almost everyone knows, call letters begin with either the letters "W" or "K". As a general rule, stations east of the Mississippi use the W calls; those west of the Big Muddy use K calls.

Exceptions to the normal W and K division are those stations which received their call letters years ago, before this rule of thumb was fixed. Thus, there are such anomalies as KDKA in Pittsburgh, KYW, Philadelphia and KFIZ, Fond du Lac, Wisconsin, all east of the Mississippi River. And such western stations as WOAI, San Antonio, TX, WFAA, Dallas and WDAY, Fargo, ND, don't follow the general rule.

Within the basic W and K rule, stations often can choose their own call letters with Federal Communications Commission approval when they are licensed, providing the desired call letters are not already assigned to another station. Stations can change their calls too, with FCC okay, and this happens frequently when the ownership of a station changes and the new owners are interested in altering the image or format of the station. New call letters tend to break past images in the public mind. Rarely, of course, will new owners change the calls of very successful stations, which makes good business sense!

Image is very important to a radio station. You'll find this increasingly apparent as you begin to hear stations from other parts of the country, stations you haven't normally listened to in the past.

And so call letters often are chosen to create a certain image for the station in the minds of the intended audience.

WRKR, an AM/FM outlet in Racine, WI, is a "RockeR," featuring the rock sound. Many stations choose a slogan that fits their call letters; others choose a set of call letters that fits a predetermined promotional slogan. And, it seems, if you can pronounce your call letters as a word—no matter how hard the struggle to make it "fit"—so much the better for the image projection!

Some stations seek an identification with their community. WACO, a call used by a Waco, TX, station is the best possible example (and also it is a case of a west-of-the-Mississippi station with a W call). Others include KBAD in Carlsbad, NM; KASL, Newcastle, WY; KARK, Little Rock, Arkansas.

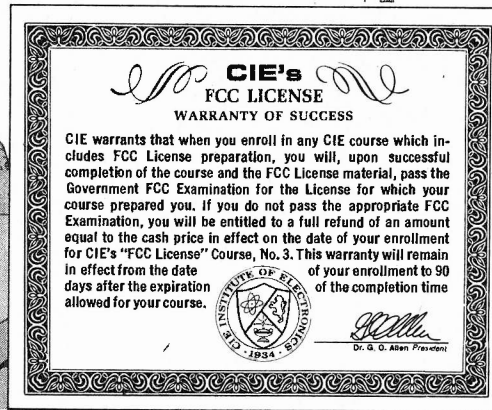
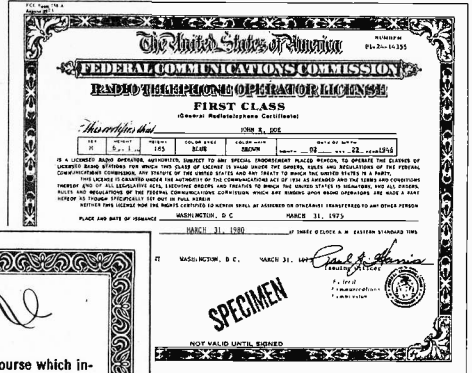
Other calls, especially the older three-letter calls, originally had meanings that today are not so readily apparent. WGN in Chicago, founded by the owner of the *Chicago Tribune*, unashamedly stood for World's Greatest Newspaper. And the widely heard Chi-



John Gee, of Listowel, Ontario is a BCB MW listener. Proving that AM DX requires no special equipment at the outset, John uses a simple table radio in his shack.



John Bakelaar of Listowel, Ontario is a GRS operator (Canadian CB) in addition to his DX activities. He tunes MW AM and FM freqs.



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CW-20

cago AM outlet, WLS, is said to have signified the World's Largest Store, a reference to early Sears-Roebuck ownership.

A station's image, its distinctive identity, is more than call letters.

In a particular market in which it must compete with other broadcasters, it is anxious to form a sound or programming image based on format. Formatting of programs has become a big business, with consulting firms advising stations on how they should sound to capture a certain desired audience segment.

Years ago, all that didn't seem to make much difference. Radio then was largely network radio. Stations affiliated with NBC, CBS, Mutual or whatever, carried network programs, drama, comedy, quiz shows, soap operas, live music and all the rest. The coming of television nearly doomed radio and certainly ended network programming as it had existed. Networks survived but mostly as news and feature services. Radio stations became, essentially, players of music, locally programmed disc jockey operations.

The "a-little-something-for-everyone" station of the past gave way to specialization as the broadcasters struggled to stay alive financially. Two basic formats developed: Top 40 (a jukebox formula, with only limited numbers of very popular songs being played) and Middle of the Road (MoR), which featured a softer, less rock-oriented popular sound.

Other formats developed, or in the cases of some specialized program formats, had been there all along. The latter included Country and Western, ethnic radio, etc. Some stations went to all news formats or talk shows, heavy with interviews and call-ins. A handful of classical music stations found listen-

ership, though mostly on FM and in metropolitan or college communities. Other specialty formats include Soul, Rhythm and Blues, Jazz and the like.

Then the format specialization became even more specialized as stations sought slightly different sounds from their competitors. MoR split into such refinements as Adult Contemporary, Contemporary and Mainstream MoR.

Top 40 presentations became fragmented with some stations airing what became known as Adult Rock, Gold Rock (only million-seller records, past and present), and Bubblegum Rock (for pre- and early teen audiences). Some stations focused on Oldies.

Country and Western spawned specialized sound formats too: City and Western, a blend of traditional C&W with some from the pop charts by the likes of Elvis Presley and other artists whose attraction was broader than rural audiences. More recently the distinction between Country and Pop is blurred even more with nominally Country artists such as Willie Nelson and Dolly Parton crossing easily to the Pop field.

In addition, something called Black Progressive sprang from the old-line Rhythm and Blues format.

Today it is tough even for students of broadcasting developments to put labels on all the variations of programming formats used by stations to try to establish their own distinctive program identities.

But you can hear them all when you tune the medium wave frequencies from 540 to 1600 kHz.

When To Listen. Distant reception on the medium wave AM band, that is reception beyond the "ground wave" signal area which extends from a few dozen miles for the low powered locals to a few hundred miles for the 50 kilowatt "biggies" (generally the daylight reception range), is a night phenomenon.

Distant reception is possible because radio signals, transmitted from the broadcasting antenna in a straight line, are reflected back to earth from space at considerable distances from their point of origin. Ionized layers of gases serve as the reflective "mirrors" high above the earth. During the daylight hours a certain ionized "belt" of gases acts as a sponge, sopping up the radio signals rather than allowing them to reach higher altitudes and other reflective gaseous layers.

After dark, however, the absorbing layer vanishes. Then the medium wave signals travel from transmitting antenna, head out into space at the horizon, encounter the upper ionized layer and bounce back earthward. Skywave signals, as they're sometimes termed, come skipping back farther away from their originating point. So distant radio reception is possible over paths of darkness between transmitter and receiver.

The hours from dusk to dawn are the best for BCB reception. And at sunrise and sunset, when there are greater changes occurring in the all important gaseous reflective layers, top notch reception of distant AM stations is likely.

Winter reception is normally superior to that in summer. For one thing, winter nights are longer, there's more darkness time. Secondly, in the cold

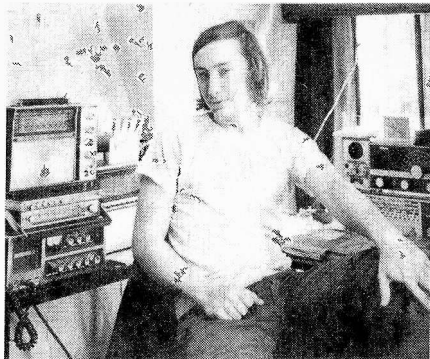


Senor Jose Perez-Muros of San Juan, PR is a 50 year DX vet. During the past 30 years, he has served as a newscaster for radio stations WIAC and WKAQ, as well as TV 2 in San Juan.

CUBA ON MEDIUM WAVE

All broadcasting in Cuba is under central governmental control, although there are various national and regional networks, such as Radio Rebelde, Radio Liberacion, Radio Progreso, Reloj Nacional, Radio Revolucion and more. La Voz de Cuba is a music, news and commentary program aired for about five hours a day on many Cuban stations. This is a list of the more powerful Cuban medium wavers.

kHz	Call	City	kHz	Call	City
550	CMAN	Pinar del Rio	760	CMCI	Havana
570	CMHI	Santa Clara	780	CMJN	Camaguey
590	CMW	San Antonio de las Vegas	790	CMCH	Havana
600	CMKV	San German	820	CMCA	Havana
630	CMHQ	Santa Clara	840	CMH	Santa Clara
640	CMQ	Havana	870	CMDN	Guantanamo
660	CMHG	Santa Clara	880	CMAF	Pinar del Rio
670	CMKP	San Pedro de Cacocum	910	CMFA	Camaguey
690	CMBC	Havana	950	CMBF	Havana
700	CMJT	Ciego de Avila	980	CMCK	Havana
720	CMGN	Colon	1010	CMKM	Holguin
730	CMKJ	Holguin	1060	CMBQ	Havan
740	CMJL	Camaguey	1220	CMGY	Perico
			1250	CMHS	Caibarien



Wright College undergrad Glen Robbins has quite a line-up in his shack. He favors his Hallicrafters S-120 above all the rest.

months there are fewer electrical storms, which are the prime source of atmospheric noise or static.

A particularly good time to hunt for distant AM medium wave signals is on Monday morning. That means, inevitably, a loss of some sleeptime if you wish to take advantage of this optimum tuning time.

Many broadcasters that normally broadcast 24 hours a day take a two to six hour breather early Monday mornings, usually after their local mid-night program. These stations leave the air during those early morning hours to allow engineers to handle routine maintenance work on the broadcasting facilities.

Needless to say, 24-hour a day stations cause problems for BCBers. These are often the powerful big city stations on the so-called clear channels and the somewhat less powerful regional channel stations, which dominate their frequencies. But as noted earlier, there are other stations on the same frequencies, other stations which can't be heard as long as the dominant "biggies" are present.

Fortunately, Monday morning silent periods leave certain frequencies relatively free of the common interfering stations.

But, as noted earlier, some of these "other" stations on the clear and regional frequencies are limited in their broadcasting hours. Many are on during the daytime only. They aren't scheduled to operate during the offbeat times like 2 to 4 a.m., Mondays!

So for the dyed-in-the-wool, the answer is to find those special occasions—or if need be, try to create them—when these outlets will transmit on an early Monday morning!

That brings us to a subject raised by one of our COMMUNICATIONS WORLD readers, Eddie Ryan. Eddie notes that he is Courtesy Program Committee chairman for his club, the Golden West

AERO FREQUENCIES (kHz) FOR MAJOR WORLD AIR ROUTE AREAS

North Atlantic		S. America (east)		North Pacific		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			5645	17965
5610	13328	5582	17916.5	Central E. Pacific		8840	
5624	13352	8845.5		3467	8930.5		
5638	17966.5			5551.5	8931		
5673		S. America (west)		5554	11299.5	Middle East	
		2889	8826	5603	13304.5	3404	8847
South Atlantic		4696	11343	6679.5	13334.5	3446	10009
2875	8882	6666		8875	13336	5603	13336
3432	10049			8879.5		6624	
6597	13344	Europe		Central W. Pacific			
6610	17946.5	2910	8875	2896	8854	Africa (east)	
		3467	8930.5	4675	11303	2966	8959
		4689	8931	5505	13296	3481	10025
Caribbean		5554	8871	6631	17909	5505	13280
2875	6561	6568	11303			6540	13336
2952	6568	6582		South East Asia		6561	
2966	8840			2987	8882		
5484	8959	South Pacific		5673	10049	Africa (west)	
5568	10017	2945	8847	8837	13344	3411	8826
6540	11343	5638	13304	8868	17946.5	5519	13304

DXers Association (P.O. Box 5735, Seattle, WA 98105), and explains just what his committee does:

"As an avid DXer over the past few years, I have always enjoyed and valued COMMUNICATIONS WORLD as a reference source for my BCB DXing. I've noted with interest all items on medium wave DXing, however, there is one item of this facet of the hobby that has been ignored in the past. This is one of the most interesting and special aspects of DX and is, in my opinion, what makes a DX club particularly valuable. I am speaking about Courtesy Program DX tests.

"These are tests that give many DXers a chance to hear stations they otherwise would never receive," Eddie explains. "They account for many fine loggings for DXers. The tests, arranged by DX clubs, are generally conducted on Monday mornings when the majority of radio stations in North America sign off for maintenance, technical adjustments or whatever.

"There are generally three types of tests: (1) Those arranged specifically for a DX club and its members. These are becoming fewer and fewer in number these days. Stations cannot afford the time or do not care to make the effort to go on the air specifically for a DX club. Also the FCC frowns on this practice when it involves daytime-only broadcasters. (2) Those which are regularly scheduled frequency checks. Stations routinely go on the air periodically, usually at definite and pre-set times, to check the accuracy of their frequency. (3) Proof-of-performance tests, periodic checks to make sure equipment is operating within prescribed limits. The latter two types of tests are part

of a station's normal testing. These tests, lengthened and with more IDs—identifications—given, become DX tests."

Ryan continues with his description of BCB special test transmissions:

"As for the duration of such tests, this varies with the station. Some run only two or three minutes, others for two or three hours. The norm is one hour. Programming during a test varies with the station. Standard items are test tones and identifications. Also programmed may be such things as Morse code IDs which may be easier to 'read' if reception conditions are not favorable, mentions of the DX clubs arranging these tests, mentions of the names of DX listeners who have called in reporting their reception. Recently one station, KTEL, 1590 kHz, Tillamook, OR, ran a test and aired phone calls received from listeners as far away as Toledo, OH.

"Daytime only stations are more restricted. With these stations, their tests consist mostly of tones and identifications.

"Once a DX test program is arranged, the DXer arranging it with the station will inform the various hobby clubs. The information about the pending test broadcast is published in various DX club bulletins. Thousands of listeners are thus alerted to be listening for the special test on the stated morning, usually a Monday morning. This is a valuable service provided by the clubs and really is the only way a BCB DXer will find out about these tests.

"Since many beginning BCB DXers and some veteran ones not affiliated with clubs have never heard of such testing, it seems that some sort of de-

scription would be in order for the next issue of COMMUNICATIONS WORLD."

I agree, Eddie, and thanks for describing for CW readers this interesting aspect of medium wave BCB listening.

Other clubs which actively arranged such special DX tests with AM stations are the National Radio Club, previously mentioned, the International Radio Club of America and the Newark News Radio Club, also mentioned earlier. More information about these and other clubs, and details on joining one or more of them, will be found elsewhere in this issue.

Tuning Targets. It is possible to hear medium wave stations in all of the 50 states, but it is a tough trick to turn, and getting harder all the time. It isn't as easy as it once was—but make no mistake about it, it was never a snap. Today, for those living in the eastern half of the nation, Alaska proves to be the real stickler; Westerners will almost certainly find several of the New England states extremely hard to hear.

With time and effort, however, most conscientious BCBers should manage to hear 45 to 48 states.

Depending on where you live and the interference you face on certain channels from stations located in your part of the country, your approach to hearing all states may differ from other DXers. Check CW's list, *How To Hear All 50 States On Medium Wave*. But depending on your location, some may prove especially difficult to hear. If that's the case, check out White's Radio

Log in this issue of COMMUNICATIONS WORLD for other stations in the same states, preferably those with higher powered transmitters.

A few concentrated weeks of listening should put as many as half of the 50 in your log book, I'll bet! Go to it.

But don't limit yourself to only one station from each state. How many different stations can you bring in on the BCB? Depending on the enthusiasm you bring to the hobby, that could be hundreds, yes, several thousand stations!

Most people, even those who never thought about listening to distant AM broadcasting stations as a hobby activity, at least are aware that it is possible to hear these stations from across the nation. There are plenty of non-DXers who have stumbled, in casually tuning their radios, across one or more of the powerhouse broadcasters elsewhere in the U.S.

But foreign stations on the AM medium wave band? Foreign stations? On shortwave frequencies, yes. But on medium wave,—not likely!

But these folks are wrong . . . just plain wrong! It is perfectly possible to hear foreign BCB stations, no matter where you live in North America.

First of all, there's the obvious. If you live in the U.S., Canada is foreign territory to you. And if you're a Canadian, the Stateside signals represent foreign stations. With one exception, however, I'll quickly skip past the U.S.-Canadian situation. The English-speaking stations on both sides of the border

sound pretty much alike, and for the most part, are considered "domestics" regardless of which side of the frontier you live on.

The exception I mentioned is the group of Canadian stations that broadcast exclusively in French. Beginning DXers on the broadcast band are often puzzled to hear loud signals from French-speaking stations on the medium wave AM dial. The French-speaking stations the novice listener will pick up at good signal levels will nearly always be Canadian broadcasters. These stations program to the large French-speaking population of Canada in Quebec, principally, though not exclusively.

CBF in Montreal, 690 kHz; CHRC, Quebec, 800 kHz; and CKVL, Verdun, 850 kHz, all in Quebec province, are three French-speaking outlets running considerable transmitter power. There are also some Canadian stations which are bi-lingual, using both French and English in their programs.

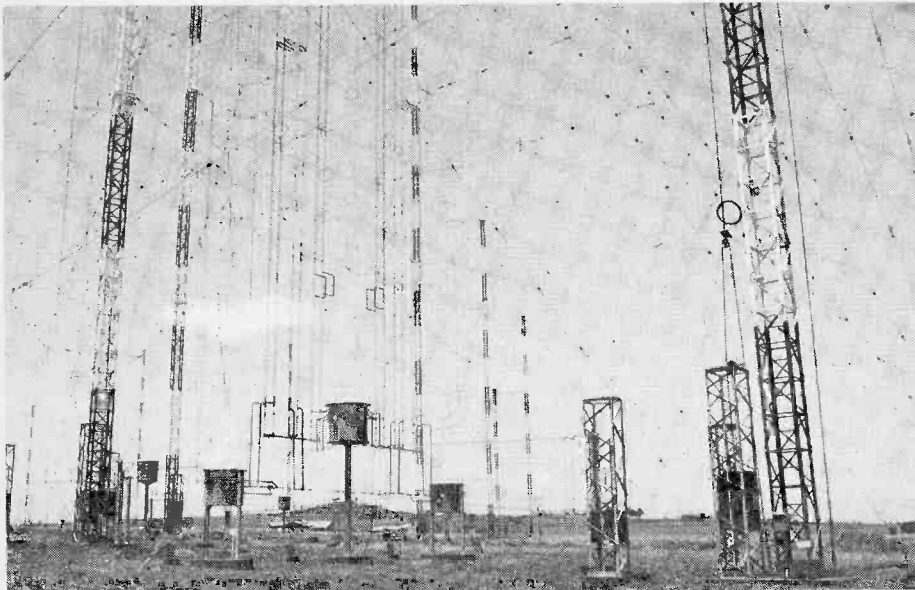
There are a number of Spanish language stations as well that will be easily heard when tuning the medium waves for the first time. Some of them will be Mexican.

However, perhaps the first Mexican outlets you tune won't even sound a bit Latin. For there are several stations, big, powerful stations just south of the border that program in English, at least at night, to American audiences. These stations include XETRA, 690 kHz in Tijuana; XEROK, 800 kHz in Ciudad Juarez; XEPRS, 1090 kHz in Rosarito, and an old-timey station your Dad may have heard many years ago, XERF, 1570 kHz, Ciudad Acuna. The latter runs a full 250 kilowatts of power, five times that of the strongest U.S. or Canadian medium wave station.

Whether these border-area powerhouses program rock music, all news, country and western, or whatever format, they'll sound like American stations when you tune them—all except for the call letters, which begin with the Mexican "XE" prefix.

XERF, by the way, is the rock station that first brought fame to hirsute disco jockey and rock personality, Wolfman Jack. And if you're interested in a bit of BCB history—fictionalized, of course—you might watch your local theater ads for a new film featuring the Wolfman, a venture of a company called Howl Productions. The title: "Shootout at ERF." Hmmm!

Mexico, of course, is more than a few Americanized border "shouters" when it comes to AM radio. Most stations are broadcasting in Spanish for Mexican audiences. Many of these sta-



When this photo was taken several years ago, this antenna complex was owned by ETLF, Radio Voice of the Gospel, a religious station at Addis Ababa, Ethiopia. The station has since been taken over by the revolutionary government, and now operates on SW as the Radio Voice of Revolutionary Ethiopia.

MEXICAN MEDIUM WEVERS

For broadcast band listeners, here is a selected list of some of the more powerful Mexican medium-wave stations.

kHz	Call	Station	City	1030	XEQR	R. Centro	Mexico City
540	XEWA	L.V. de la America Latina	San Luis Potosi	1050	XEG	R. Melodia	Monterrey
580	XEAV	Canal 58	Guadalajara	1090	XEPRS	R. Melodia	Rosarito
590	XEPH	R. 590	Mexico City	1110	XERED	R. Red	Mexico City
620	XENK	R. 620	Mexico City	1130	XEQD	La Divertida	Chihuahua
660	XERPM	R. Uno	Mexico City	1140	XEMR	La Nueva MR	Monterrey
680	XELG	LG, La Grande	Leon	1150	XEJP	R. Varidades	Mexico City
690	XETRA	Xtra Music	Tijuana	1170	XERV	—	Arcelia
690	XEN	R. Mundo	Mexico City	1190	XEWK	L.V. de la America Latina	Guadalajara
730	XEX	L.V. de Mexico	Mexico City	1220	XEB	R. Cuatro	Mexico City
790	XERC	R. Exitos	Mexico City	1260	XEL	R. Capital	Mexico City
800	XEROK	X-Rok-80	Ciudad Juarez	1290	XEDA	R. Trece	Mexico City
810	XEFW	Voz e Imagen de Tampico	Tampico	1310	XEBP	R. Algeria	Torreón
830	XELA	Buena Musica en Mexico	Mexico City	1370	XEMON	—	Monterrey
860	XEUN	R. Universidad	Mexico City	1420	XEWE	R. Irapuato	Irapuato
880	XETZ	Canal 88	Tequila	1460	XELX	R. Zitacuaro	Zitacuaro
900	XEW	L.V. de la America Latina	Mexico City	1470	XESM	R. Cinco	Mexico City
940	XEQ	La Q de Mexico	Mexico City	1500	XERH	R. Seis	Mexico City
950	XEGM	R. 95	Tijuana	1550	XEXB	—	Jalapa
970	XEJ	R. Mexicana	Ciudad Juarez	1560	XEVIP	R. VIP	Mexico City
980	XETU	R. Tampico	Tampico	1570	XERF	—	Ciudad Acuna
990	XET	La T de Monterrey	Monterrey	1580	XEDM	La Grande de Sonora	Hermosillo
1000	XEOY	R. Mil	Mexico City	1590	XEKC	—	Mexicali
1010	XEHL	La Fabulosa HL	Guatallajara	1590	XEVOZ	R. Voz	Mexico City
				1590	XENMB	—	Valladolid

tions, and especially the more powerful ones, are often heard by U.S. and Canadian DX listeners. These stations would probably include XEW, whose slogan is La Voz de America Latina (The Voice of Latin America) on 900 kHz, and XEQ, 940 kHz, both in Mexico City.

Powerful Cuban medium wave outlets can be heard on 600, 670, 690 and 720 kHz, and in many parts of the eastern U.S., lesser powered Cuban signals are easily heard.

There are a number of other stations in the Central American and Caribbean areas which are not too difficult to log in North America.

We are most familiar with the ten kilohertz spread in this hemisphere—that is, we find our stations neatly separated by 10 kHz. United States, Canadian, Mexican, Cuban and most stations in our part of the globe are found on frequencies evenly divisible by ten; 540, 550, 560, and so on, up through 1570, 1580, 1590 and 1600 kHz.

This is not the case in other parts of the world. And in parts of the western hemisphere, as well as in Latin America and the West Indies, you'll find *some* stations separated from others in their area by 15 or 25 kHz. Needless to say, if some stations are assigned on the basis of such odd frequency separations, at least half of them are going to fall into the "cracks" between the North American 10-kHz separations.

For example, ZIZ on the West In-

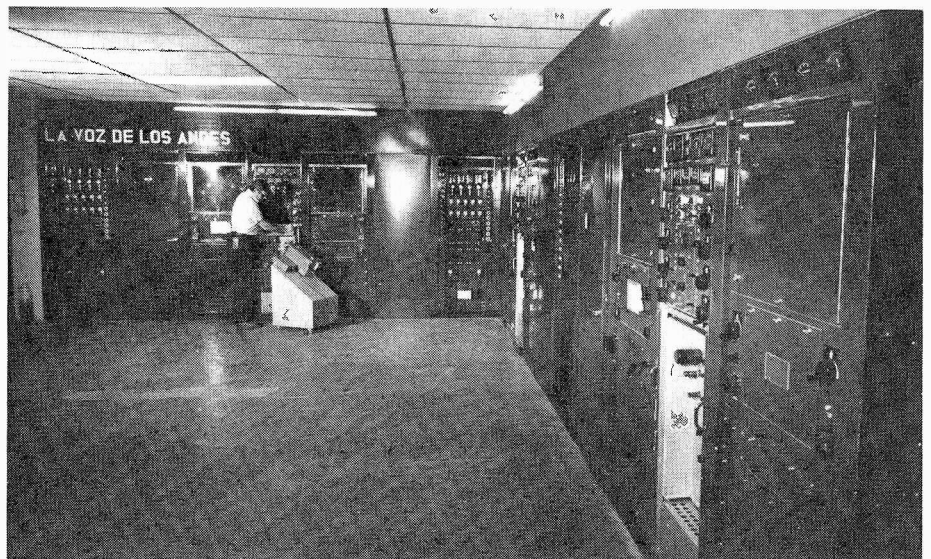
dian island of St. Kitts operates with 20 kilowatts of power on 555 kHz, half way between our "standard" frequencies of 550 and 560 kHz. On 655 kHz is YSS in El Salvador. A fairly recent addition to the Caribbean/Gulf area broadcasting scene on medium waves is Radio Cayman on Grand Cayman Island, not far from Jamaica. It uses two frequencies, both in the "cracks," 1205 and 1555 kHz.

BCB listeners call these in-between frequencies "splits." They make it far

more likely for North American listeners to hear these foreign broadcasters. With a very selective receiver, it is possible to hear distant stations on "split" frequencies while domestic stations—as long as they are not *too* strong—are simultaneously operating on the North American "Ten-Kilohertz" frequencies on either side.

Mention transatlantic or transpacific DXing on the medium waves and non-DX types will stare in disbelief.

"You don't mean you can tune in



La Voz de los Andes. That's Spanish for the Voice of the Andes, HCJB. This photo shows HCJB's three powerful RCA 100kW transmitters at the Pifo, Ecuador transmitter facility. In the background, engineer Jim Heck makes careful transmitter adjustments.

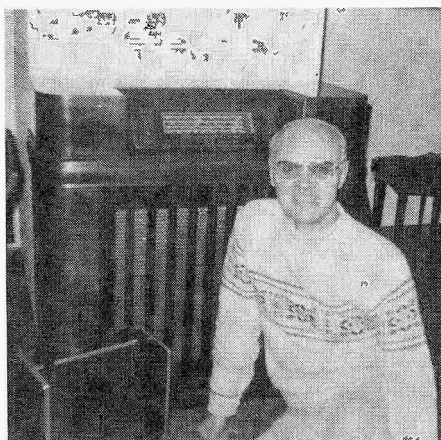
HEY CABBIE!

Freq. (MHz.)	VHF Channel Number	UHF Channel Number
152.270	1	
152.300	2	
152.330	3	
152.360	4	
152.390	5	
152.420	6	
152.450	7	
452.050		1
452.100		2
452.150		3
452.200		4
452.250		5
452.300		6
452.350		7
452.400		8

stations in Great Britain, or France, right on the AM band? Come on!"

But it is possible, as the knowledgeable BCB fan knows, even probable that some transoceanic signals will be logged. If you live on the east coast, your chances of hearing at least a few transatlantic stations are quite good, but those in the heartland of the continent can also realize this. On the west coast, the Japanese, North Korean and Chinese stations, as well as those stations in Asiatic Russia, are not at all difficult to log on medium wave.

Easterners will be able to hear signals from parts of Europe, North and West Africa. Westerners also may be able to hear stations in Hawaii, Australia, New Zealand and other Pacific Islands.



Many of Sylvester M. Hutton's 40 years of DX'ing have been spent listening to his 1941 Philco 4-band. He tunes BCB and SW.

In the center of the continent, both transatlantic and transpacific DX is possible, though it is not as common, or as well heard as on the coasts.

Again, this sort of overseas reception is generally the happy result of the use of "split" frequencies. In Europe and Africa, for instance, stations are separated by eight or nine kilohertz gaps, which, of course, puts them in the "holes" between the North American channels.

But make no mistake about it, hearing transoceanic signals is not just a matter of turning on your transistor portable and, *voila*, there's the British Broadcasting Corporation's Radio 1 program on 1214 kHz, or Radio Monte Carlo on 1466 kHz. It takes some tuning experience and some reasonably decent listening gear, a communications type receiver (which some folks would call a shortwave receiver, but as you can see, we're now talking about medium wave reception). Coastal listeners will have something of an advantage, but transoceanic BCB signals are possible nearly anywhere in North America!

If you want some goals to shoot at, consider what these veteran medium wave listeners have accomplished over the years:

Ben Dangerfield, Pennsylvania: 117 different countries heard and confirmed on the medium waves. Hilding Gustafson, an Illinois resident, has 105 countries tallied. Ron Schiller, Texas, counts 86 countries logged and Don Reynolds, California, 84.

Off-The-Wall DXing. Many DXers love to listen to shortwave. And, as we've seen, there are medium wave BCB fans as well. But there are some lesser known forms of DXing that have their adherents as well.

Here at CW we enjoy hearing about your favorite aspect of the DX hobby. We enjoy hearing about it because we can pass them along to the rest of our readers.

Some of our readers go in for the really far-out aspects of the monitoring hobby. One of these guys is Al Cikas of Springfield, IL. But I'll let Al tell you all about it:

"I'm a shortwave listener and I have been listening, off and on, for 16 years. After a few years of relative inactivity in the hobby, I rekindled my interest about two years ago. I purchased a used BC-348 receiver, a military surplus unit.

"I quickly began DXing, but I felt something was missing in the hobby.

Somehow just listening was no longer enough for me. I thought about acquiring a teletype machine to read RTTY traffic, or perhaps building a satellite converter or such.

"Then about a year ago, I heard two ham operators discussing something I wasn't aware of, the sending of pictures via radio—Slow-Scan Television (SSTV) over shortwave radio. I could hear the 'sound' of the video signals as transmitted by the hams, but I became curious as to what the signals would look like translated into video pictures. There was only one way to find out—build a monitor."

Reader Cikas was bitten, it seems. . . .

"The more I read on the subject, the easier it looked. A visit to a local ham operator's house, equipped with a working TV monitor, sold me. SSTV was for me!

"The simplest circuit was an adaptor to convert an oscilloscope and that's the circuit I built. It takes five or six months on the average—and other hams confirmed this for me—to acquire all the necessary parts and get the bugs worked out. Then it is simply a matter of monitoring the amateur radio shortwave bands, from 80 to 10 meters, for incoming signals.

"The video signals can be taped (as audio sounds) on any tape recorder, even a \$20 cassette unit, and can be played back again and again for video display. It is also possible to photograph the pictures on the screen, even with a Polaroid camera. And the receiving equipment is minimal. I use the military surplus BC-348 with a 33-foot longwire antenna. The video resolution is 120 lines.

"A few words of caution, however. Slow Scan TV is not for everyone. Costwise it is about the same as for a large portable TV and, depending on the size of your parts 'junkbox,' a large amount of time may be required to assemble the adaptor circuits. Anytime you work with video, new headaches are bound to develop.

"But SSTV gives SWLing a whole new dimension," Al stresses. "There are a lot of circuit designs to choose from, as well as a large selection of literature on the subject at various ham radio parts stores or mail order dealers. Construction is not for the beginner. Good building-practice is a must. But the rewards, I have found, are endless!"

Normally, in COMMUNICATIONS WORLD, I don't get into amateur radio topics. For more about ham radio, see our sister publication, AMATEUR RADIO TODAY, soon to be on the newsstands. But in Al's case we have an instance of a technically-minded shortwave listener



Al Cikas, Springfield, IL is into an off-beat form of DXing, monitoring the video pictures of amateur radio slow-scan TV (SSTV). (See text.) Al has constructed an adaptor (flat unit on desktop) to convert an oscilloscope (left foreground) to receive the video signals.



A sample picture transmitted by a radio amateur on 14,230 kHz in the 20 meter ham band, as received by Al Cikas.

straying from the beaten path and finding a whole new aspect to his DXing!

As he says, DXing the hams' SSTV signals is not for everyone. Not by a long shot! But perhaps it is for *you!*

Incidentally, our reader offers to answer readers' inquiries about his TV monitoring system. His address is Al Cikas, 2112 Stonehenge, Springfield, IL 62707. Thanks, Al!

DXing The Snow Bands. Amateur radio's SSTV may require more technical know-how than you've got right now. But there is a much simpler way to get into TV DXing without any special equipment or electronic expertise. I'm talking about hunting distant signals on the regular, everyday TV VHF and UHF channels.

Maybe you've never given much thought to the possibility of DXing on the TV channels. If so, then this is yet another unexplored area of the monitoring hobby you might consider. There are a lot of enthusiasts out there who have been seeking the far off and far out TV signals for ten, twenty, even thirty or more years, since television was in its infancy!

Is TV DX, distant reception of TV signals, unusual? Not as unusual as you might think. In fact, you may have already received some distant signals just in the course of your regular television viewing.

Sometimes the first hint is unusual interference on your regular TV channels. You may observe, on one of your normally watched channels, black interference "bars" across the picture like venetian blinds. Other times the distant signal, from a station from hundreds of miles away, perhaps a thousand or fifteen hundred miles away, will just fade in with surprisingly strong, but often unsteady signals.

It helps to have an exterior, good quality antenna, preferably with an

antenna rotor, so you can beam the antenna toward the distant station, or away from local area interfering stations. And frankly, there is a lot of luck involved in pulling in identifiable distant TV signals. Often it is more a matter of being aware when favorable conditions occur and then making the most of them.

Assuredly, it is not just a case of turning on the TV and deciding to tune for a station in Denver or Miami. But distant TV reception relies on several well-documented natural phenomena. Knowing how they "work" can help you to be ready to DX television signals when the conditions are optimum.

One of those phenomena is known as tropospheric bending. It is a weather-related condition that affects signals on both the VHF and UHF channels, making reception over distances of from about 300 to perhaps 1,000 miles possible. Three hundred to five hundred miles is perhaps the most common reception range via "tropo." Signals tend to be steady and have a slow fading pattern.

Tropospheric bending of television signals back to earth, far from the transmitting antenna, occurs when there is a temperature layer inversion in the troposphere above the earth. The inversion causes a "signal pipeline" or path that bends VHF and UHF frequency signals, causing them to follow the earth's curvature—rather than shooting off into space in a beeline at the horizon—and to be received far beyond normal video signal range.

Tropo can happen anytime during the year, when the weather is "right." It is most common in late summer and early autumn, however.

Some really extensive tropo "openings" (such as what occurred last August on all VHF channels for over a week when a weather pattern stalled

over the north central states) can cause chaos on the TV, with distant signals interfering with regular local TV reception. But the average viewer's chaotic situation was heaven to the TV DXer who busily went about trying to identify those signals that periodically became identifiable during the tropo opening.

Another cause of distant TV reception is the so-called Sporadic-E Skip.

Above the weather, above the atmosphere, far above earth is the ionosphere. Here are a series of gaseous layers or belts around the globe. These layers of ionized gases are responsible for all distant reception on medium and shortwaves, regularly. On an irregular basis, they cause distant reception on the VHF frequencies above 30 MHz.

Radio signals travel, like light waves, in straight lines. But the earth is ball-shaped. So when a transmitted radio frequency wave leaves an antenna it travels toward the horizon . . . and keeps going. As the earth's surface below bends away, the radio signal continues traveling in a straight line, into space.

Without the ionized layers circling the earth "out there," there would be no radio reception beyond perhaps a few hundred miles, depending on the transmitter power and antenna.

But as the radio signals travel outward bound, before long they encounter one of the gaseous layers of the ionosphere. While the longer medium and shortwave frequency waves are easily refracted in passing through the layer

JAPANESE BCB OUTLETS

□ Japan has hundreds of medium wave outlets, many of them very low powered. Some operate synchronized transmitters—identical programs on the same frequency from different transmitters at various locations. Some stations, however, run as much as 500,000 watts. This is a selected list of those Japanese medium wave outlets most likely to be heard on this side of the Pacific.

kHz	Call	Location	kw
670	JOBK	Osaka	100
700	JOFB	Hiroshima	10
	JOKD	Kitami	10
750*	JOIB	Sapporo	100
770*	JOUB	Akita	500
830*	JOBB	Osaka	300
840	JOQK	Niigata	10
870*	JOGB	Kumamoto	500
880	JOPK	Shizouka	10
890	JOHK	Sendai	20
1210	JOOR	Osaka	50
1440	JOWF	Sapporo	50

*Best bets for reception east of the Rockies

and come bouncing back toward earth, like a light wave reflected by a mirror, only rarely does this happen on the higher frequencies. Normally, with VHF signals, the ionized layer is not "dense" enough to serve as a mirror for the signals. Only sporadically does the layer of the ionosphere—known as the "E" layer—become ionized to the extent that it can bounce back distant VHF TV signals. Thus the name, Sporadic-E skip.

Sporadic E skip (Es) can bring in signals from up to 1,500 or more miles away, but not less than about 500 or 600 miles. On rare occasions, double or even triple "hops" make really long haul receptions possible, such as from Central America or northern South America.

Es signal reception is very unpredictable, but the prime season for this propagation phenomenon is late spring and early to mid summer. A second and minor Es reception season may be noted in December or early January. Best chances for distant signals via Es will be on the low VHF channels—2, 3 and 4, though channels 5 and 6 also can bring such skip signals as well. Rarely, if ever, do Es extend above channels 7 or 8.

Sporadic E skip and tropospheric bending account for most of the TV DX reception noted by hobbyists. But there are some other natural causes

that can bring long distance TV reception, though less frequently.

The F_2 ionospheric layer, like the E, can bring distant reception, though it often does not extend as high in frequency as TV channel 2. But it can bring distant VHF public service low band signals in the 30 to 50 MHz band. And some years ago, F_2 reception made it possible for an experimenter in Australia to receive both video and audio signals from the BBC-TV in Great Britain. This, however, was on a frequency lower than our lowest—channel 2—more commonly affected by F_2 skip.

Auroral activity—the Northern Lights are the most visible example—can cause distant reception on TV channels by providing "reflection" points similar to Es. Auroral propagation is usually characterized by wildly fluttering video pictures and garbled audio. Meteor showers, even lightning, can provide "reflective" points to bounce distant TV signals back toward earth. But these phenomena are of only minor importance to the TV DXer.

Frequency-wise, the FM broadcasting band, 88 to 108 MHz, falls into the hole between TV channels 6 and 7. The VHF aeronautical band and the high band public service communications also use the frequency space between those two TV channels. So therefore, the same sort of natural factors that make distant VHF TV reception pos-

sible will also bring in distant FM radio signals.

It may even be easier to start out in FM DXing than it is to begin monitoring the snow bands for far away stations. Regularly tune the FM band. Become familiar with the "regulars," those stations in your area that you receive on a day-in, day-out basis. Check out the list of FMers in White's Radio Log. Look for the more distant stations, 100 to 200 miles away. Be alert for conditions such as tropospheric bending and Es that will, on occasion, produce the really distant stations.

Dr. Bruce Elving, a Minnesotan who has logged more than 1,000 FM stations, has said, "FM DXing is much like fishing. You have to be around when conditions are favorable. Generally the best antenna and receiver will not work as well on the poorest day as the poorest set on the best day!"

In other words, for FM and TV DX you've got to be there when it's happenin', baby! And when it's happenin', be there!

Out of the Mailbox. Time now to read the mail to find out what you, the COMMUNICATIONS WORLD readers, are doing and hearing. I look forward to learn about you and your DXing interests and experiences, consider your comments and answer—if possible—your questions.

This may also be a good time to remind you that I am always pleased to receive your photographs. Again, this time you'll be seeing the faces of many CW readers plus their DXing gear in these CW pages. You can join them in the pages of a forthcoming issue of CW if you send them in along with some information about yourself and the equipment shown in your DX "shack."

Send your letters to Don Jensen, Communications Editor, COMMUNICATIONS WORLD, Davis Publications, Inc., 380 Lexington Avenue, New York, NY 10017.

The first letter out of the box is from Peter G. Davies, St. Louis, MO, who says:

"I haven't been listening too long, but the first shortwave station I heard, and the one I hear most often, is HCJB, the Voice of the Andes, in Quito, Ecuador, South America. My grandfather, who used to listen to shortwave years ago, says he remembers HCJB from before World War II. Can it really be that old?"

Never doubt your granddad, Pete! He's right on target. Actually, HCJB, probably the best known and best heard of the many shortwave Christian missionary type stations, is not too far from being a half century old!



Video recording engineers monitor a taping session at Moscow's television center. If not for the sign in Russian, this might be a scene from any American studio.

FOREIGN MEDIUM WAVE DX'ING—WHEN TO TUNE

Station Location	Eastern North America	Western North America
Central America	year around, winter best	year around, winter best
Caribbean area	year around, winter best	year around, winter best
South America		
(Northern)	year around, winter best	year around, winter best
(Southern)	spring, summer, fall	summer
Australia/New Zealand	spring, fall	spring
Asia	fall	fall, winter
Europe	fall, winter	winter
Africa (Northern)	fall, winter	winter
(Southern)	spring	unlikely

The Voice of the Andes first went on the air on Christmas Day, 1931! The first programs were broadcast in Spanish, but since, HCJB has added a number of other language programs: Czech, English, French, German, Japanese, Swedish, Finnish, Norwegian, Danish, Portuguese, the Indian language Quicha, Romanian, Russian and Spanish.

HCJB is part of the World Radio Missionary Fellowship, Inc. Each broadcasting day contains more than 65 program hours and around 160 transmitter hours. The station, in its Quito headquarters, has a radio chapel, eight other studios and nine control rooms, two of which are equipped for stereo operation. A microwave relay system is used to send the programming to the transmitter and antenna site at Pifo, Ecuador, about 15 miles away.

Perhaps by the time you read this, Pete, HCJB will be running its master control room with the aid of a computer-controlled, fully automated "Program Automated Control System," which will automatically pass and maintain a log of all programs broadcast.

The station has eight transmitters, including a standby medium wave station, at the Pifo center. There are 19 different transmitting antennas supported by 28 towers, ranging in height from 80 to 240 feet. The transmitters have a combined power of nearly a half million watts. The most powerful HCJB short-wave transmitters run 1000 kilowatts of power each!

The station literally operates around the clock, sometimes with as many as three different broadcasts, in three different languages, on the air at the same time on different transmitters and frequencies.

HCJB transmitting equipment is powered by electricity generated by the station's hydroelectric site at Papallacta, which harnesses water power from the Andean lakes and rivers.

In addition to the Pifo transmitter

complex, HCJB broadcasts AM BCB and FM stereo to the local audiences from transmitters on Mt. Pichincha, overlooking the Ecuadorian capital city of Quito.

When HCJB started out, 47 years ago, its target area was South America. Today the station looks for listeners in North America, Central America, Europe, the Soviet Union, Japan and the South Pacific as well.

During 1977, the station received more than 110,000 letters, including 36,000 from Japan, 28,000 from Spanish-speaking listeners, 16,000 from English-speaking persons and nearly 13,000 from German-speaking audiences.

More than 2,900 persons, mostly DX-ing fans, have joined the station's SWL club, Andes DXers International (ANDEX), since it began in 1974. Members range in age from 8 to 84. Along with the club is HCJB's program, DX Party-line. Clayton and Helen Howard direct the club as well as the DX program and put out a monthly bulletin for ANDEX members. The program was voted the most popular by HCJB's English-speaking audience.

To operate the Voice of the Andes and its auxiliary operations (which include two hospitals in Ecuador and mobile medical care units) it takes about 430 missionaries, employees and supporting personnel plus about 65 non-residents, most of whom are in the U.S. and Canada.

So you see Peter, HCJB, the Voice of the Andes (Box 691) in Quito, Ecuador, has grown into quite a broadcasting operation since your grandfather first tuned it. It is continuing to grow, with its new 500 kilowatt transmitter expected on the air shortly.

Next, a couple of queries that fall into the "who did I hear" category. As these two cases demonstrate, sometimes it is possible to help you identify your mysteries, and sometimes it isn't.

First Bob Heitzman, Rutland VT, asks about "a Portuguese-speaking sta-

tion playing American pop music. The station IDed as the BBC in Sao Paulo, Brazil; the frequency was near 12,120 kHz."

There just isn't enough here to go on, Bob. However, the BBC is the British Broadcasting Corp. and is located, of course, in Great Britain, not Brazil. The BBC does have several relay stations, in Singapore, Cyrus, etc., but not in South America.

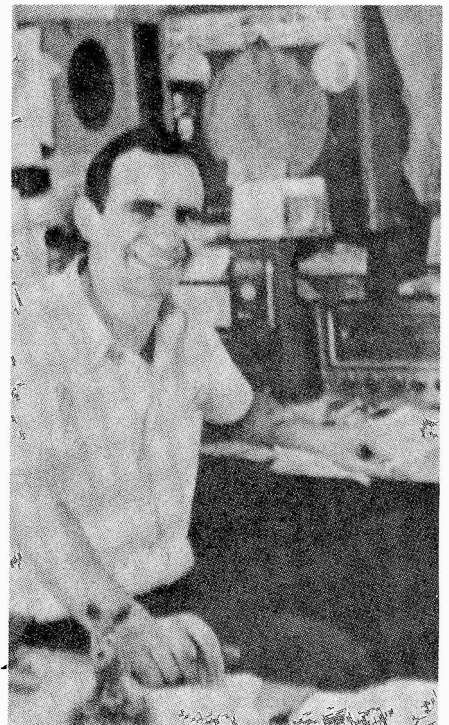
If your reception was in the late afternoon or early evening, you may have heard the BBC broadcasting to (not from) Brazil, in Portuguese. And your frequency quote is very probably "high."

An even tougher one is posed by Mark Henderson, Palmer, AK. Our Alaskan reader writes that he heard a station signing off at 0330 GMT, on frequencies in both the 25 and 19 meter bands.

The station, Mark writes, announced, "We are on the air every Tuesday, Wednesday, Friday and Saturday, from 7 to 7:30 p.m. Summertime, or from 8 to 8:30 p.m. PST, winter time."

"The identification sounded like, "Radio Urehan, central de vittoria board of the 48th bastian Republic of the Wilkheim. Goodbye, listeners!"

Sure you aren't pulling in the TV audio from "Battlestar Galactica," Mark? Seriously, though it's clear you're going to sharpen up your ear for



Bob Padula is one of the best known overseas listeners. An Australian telecommunications engineer, he is an editor of the Australian Radio DX Club and an author.

those "tough-to-get" IDs, from that bit of gibberish I think what you actually had was Radio Yerevan, programming for Armenians abroad, aired by various stations in the Soviet Union.

And a couple that are a lot easier to ID:

Bill Bergadano, Staten Island, NY, says, "At 0200 today I caught a station IDing as "Radio Marajenis." I believe its announced location is Chile. The frequency was around 11,920 kHz, with good reception. Programs were in Spanish. By any chance do you have any idea of what I heard?"

Yep, Bill I do. It was the Radio Magellanes program broadcast by Radio Moscow to Chile. It is aired from 0200 to 0230 GMT in Spanish. As with all Radio Moscow programs, they may actually be transmitted by stations anywhere in the USSR. And remember also that Moscow frequently changes its frequencies.

Bill continues with a tip for BCB medium wavers: "For DXers who collect station stickers, I've gotten a few from stations when receiving QSLs, including WTMJ, 620 kHz, Milwaukee; WTAQ, 1300 kHz, LaGrange, Illinois; and WMOO, 1550 kHz, Mobile, AL."

John Stefanich, Bradley, IL, asks: "Have other listeners reported this station? I heard a broadcast in English in the 13 meter band. The announcer gave the time—9:27 p.m. local—and the station ID as Springbok Radio. The program consisted of popular music and the listeners were supposed to identify the numbers played. If the listener failed, a certain amount of Ruud or Rudd, their monetary unit, would be added to the jackpot. I'd like to see your comments regarding this in your next issue of CW."

Okay, John, here they are. You're right on target with the identification. The station is Springbok Radio, which is a domestic shortwave commercial radio service in South Africa. The monetary unit of the Republic of South Africa, by the way, is the rand.

Other listeners may have more luck hearing this one on 11,935 kHz, where it has been heard at various times—late at night and early in the morning.

Speaking about South Africa, a shortwave outlet from that country which is more commonly logged is Radio RSA in Johannesburg. And Glenn Bisgaard, Fife Lake, Saskatchewan, Canada, has a question about Radio RSA, plus several others, including Radio Nederland, the British Broadcasting Corporation's Far

East relay station and our previously mentioned HCJB, the Voice of the Andes in Quito, Ecuador.

"Could you please send me the addresses of these stations?" Glenn asks. "I want to send reception reports so I can receive QSL card."

I've already noted HCJB's box number address. Radio Nederland's address is P.O. Box 222, Hilversum, Holland. Radio RSA can be reached by writing to P.O. Box 4559, Johannesburg 2000, South Africa. And the BBC relay can be contacted via the home office of the British Broadcasting Corp., Box 76, Bush House, WC2B 4PH, London, England, Great Britain.

But, Glenn, if you're going to send reports to the stations you hear, you'll need a good address book with the addresses of the stations you hear on shortwave. There are two good ones:

World Radio TV Handbook: the so called DXer's bible, packed with all sorts of information including addresses, but much more on frequencies, schedules, leading personalities, programming, etc., etc. It is a must for all serious SWLs! It is published annually in Denmark—though the text is, of course, in English. At this writing the cost of the 1979 issue was not available. You may contact two North American representatives listed in the book: Gilfer Associates, Inc., P.O. Box 239, Park Ridge, NJ 07656; or Glen Mueller, Billboard Publications, Inc., 2160 Patterson St., Cincinnati, OH 45124.

QSL Address Book: by Gerry Dexter, which contains—as the name indicates—the addresses of stations around the world. There is also information on the "Art of Reporting" to get those verifications. It sells for \$4.75, and may be ordered from Gilfer Associates, Inc. (see address above).

Quite a number of our COMMUNICATIONS WORLD readers enjoy listening to shortwave stations from overseas countries. But some of them also live abroad. I've found from past listener response that many of you readers are interested in what can be heard on the shortwave bands when one actually lives "over there."

And with a firsthand report, hecececeere's. . .

"Don Clausen is my name and I live in Germany. My father is an Army 1st Sgt.

"I've been SWLing or DXing for some months now. I know the basic tricks and have felt out the shortwave

frequencies enough to be entitled to the status of advanced beginner. I spend a lot of my day listening!

"Here's a little about my background. I'm 15 and lived in Oakland, CA for 13 years. I came to Germany about two years ago and became interested in SW. I then had a little electronics background behind me and more clearly understood what it was all about."

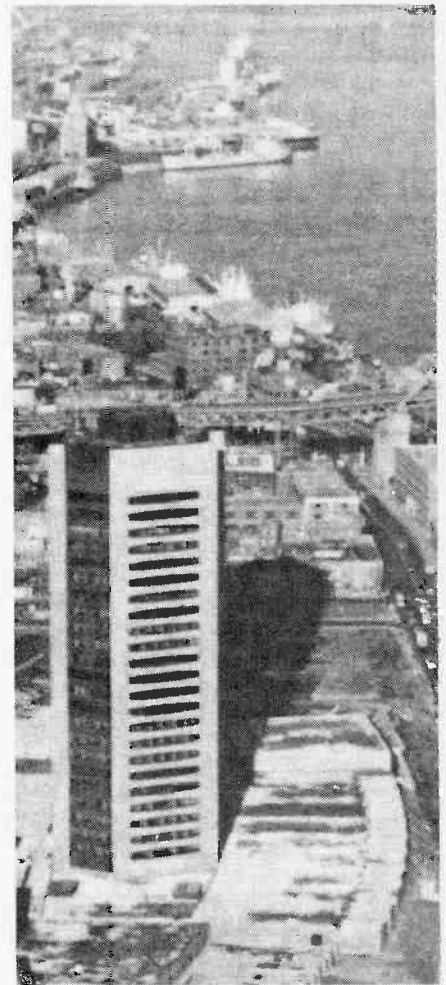
Don's letter goes on:

"I've logged Germany, Albania, Radio Peking, Radio Moscow, BBC, the VOA, the U.S.A.'s AFRTS, Hungary, France, Spain and other countries around the world.

"To go through a 24-hour period would be very complex because there is so much to hear. The 49 meter band seems very popular though.

"I have found that the eastern European locations, such as Albania and Czechoslovakia are easy catches during the late Greenwich times, 2100-0100."

Thanks, Don for the capsule report on your SWLing in Germany. And now from the other side of the globe, another letter:



This multi-story building in downtown Montreal is the home of Radio Canada International, "Maison de Radio Canada."

"I am Dante T. Atendido, a COMMUNICATIONS WORLD reader from the Philippines. I am 18 and have been DXing for four months and have heard 30 SW stations in 20 countries with my portable multi-band receiver with telescoping antenna.

"One of the DXing problems in our country is where to buy a big fancy receiver. Only portables with poor frequency readout are available in the radio stores. But I did see a used Hallcrafters S-120 in a junk store priced at 550 pesos or \$75.

"I've heard stations from other parts of Asia, from Europe, Australia, Africa and North America. I am watching for South American stations, but because of my unsophisticated receiver, I think receiving such stations will be real luck.

"Reception here in the Philippines is better on the 16 meter band during daytime to late evening. The 19, 25 and 31 meter bands are best in the morning, as the sun rises, until about 9 a.m. Stations are received well on 41, 49 and 60 meters during the night time, but I've never received stations on the 75 or 90

meter bands."

Thanks, too, Dante.

And now it is back to Germany again and a letter from Juergen Mangerich who is 20, a student, and living at Frankfurt-am-Main. Juergen says he lives in the fourth floor of a house on a busy road and because of interference cannot DX during the daytime. But he still has received QSLs from 63 stations in 46 countries.

"Once I was on vacation in a little village about 50 miles away from Frankfurt in the countryside. On a relatively old receiver there, I happened to tune shortwave by accident and heard the Voice of America very strongly. From that time I have been fascinated by shortwave.

"Today I am a member of the two biggest DX clubs in Europe, the Assoziation Deutschsprachiger DXer and the Arbeitsgemeinschaft DX, both of which publish club bulletins, of course in the German language.

"I think it is a good idea to publish such a magazine as COMMUNICATIONS WORLD. I am sure that in North Amer-

ica there is a great deal of interest for such a magazine. Over here in Germany there is no such German magazine, only the publications of the radio clubs.

"It was very interesting for me to learn that you deal with the several branches of DXing in the States. Most astonishing for me was to learn that you even monitor local services such as the police or fire departments on VHF frequencies. This is totally prohibited over here. In general, the German laws dealing with the reception of transmissions are much harsher than the American ones.

"Another point struck me. The frequencies you mentioned in past issues of COMMUNICATIONS WORLD may be out of date before your readers see them. I think it would be of use to tell readers that the broadcasting stations of the world change their frequencies four times a year. If the readers don't know this they may tune to frequencies you list in CW, but won't find those stations."

You're quite right of course, Juergen, many of the powerful international broadcasters do change frequencies on a seasonal basis—and some change even more frequently. I've tried to point out this fact many times, and again urge readers to check other frequencies in other bands if they fail to find stations when and where I indicate they were operating when this text was written.

Generally there are more changes in frequencies than there are in times and program schedules. So usually you can find the station on another frequency, if the channels have been altered after this manuscript has been completed.

However, I should also point out that domestic service stations in various parts of the world change their frequencies less often than do the big international broadcasting stations.

Normally I don't list reader addresses in these pages. The pen pal operation is a bit more than I can take on. However, Juergen indicates that he would like to hear from North American listeners, and since I believe many SWLs over here would enjoy contacting a German DXer to exchange listening experiences, I'm making an exception.

Our German reader's address is: Juergen Mangerich, Breite Gasse 1, D-6000, Frankfurt-am-Main 1, Federal Republic of Germany.

And, with that, it is time to close the mailbox for this issue, with the note that I'm always happy to hear from you, whether you live in the Philippines or Germany, here in the U.S. or Canada, or any place in between.

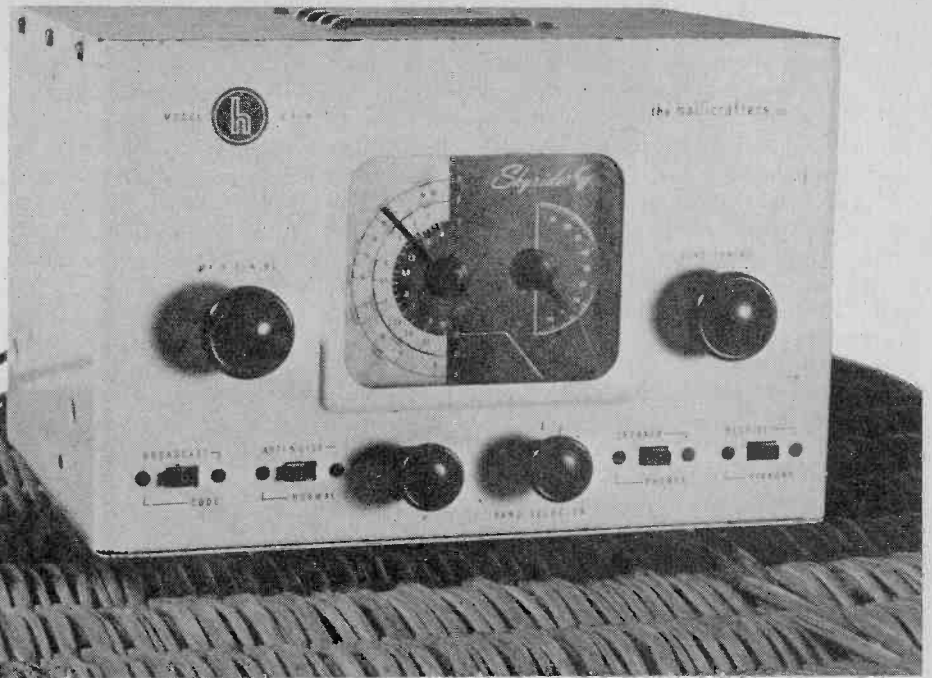
Until next time, good DXing! ■

LATIN AMERICAN TELEVISION

Under the right conditions, described in the text, long distance television reception is possible on the lower TV channels. This means Latin American TV reception is possible in the southern part of the U.S. and reception of Cuban and Mexican stations can occur in much of the rest of our country. Here are some possible targets for U.S. DXers.

Country	Station	Channel	
Barbados	Caribbean Broadcasting Corp.	3	
Costa Rica	Co. Costarricense de Television	2	
	Radio Television Tic-Tac	4	
Cuba	Television Nacional Canal		
	Havana	2	
	Ciego de Avila	2	
	Santiago de Cuba	2	
	Holguin	3	
	Camaguey	4	
	Santa Clara	5	
Havana	Havana	6	
	Camaguey	6	
Dominican Republic	Radio Television Dominicana	4	
	Corp. Dominicana de Radio y TV	2	
El Salvador	Canal Dos YSR-TV	2	
	Canal Cuatro YSU-TV	4	
Guatemala	Radio Television Guatemala	3	
Mexico	XHIA, Torrejon	2	
	XEPM, Ciudad Juarez	2	
	XHCH, Chihuahua	2	
	XEW, Mexico City	2	
	XEFE, Nuevo Laredo	2	
	XHBE, Mexicali	3	
	XEFB, Monterrey	3	
	XEZ, Cerro del Zamorano	3	
	XHY, Merida	3	
	XHTV, Mexico City	4	
	XHBS, Ciudad Obregon	4	
	Nicaragua	Televiscentro de Nicaragua	2
	Puerto Rico	Telemundo, WKAQ-TV	2
WIPM-TM		3	
WAPA-TV		4	
WORA-TV		5	

SOME BIG CHANGES are on the way for the SWL, especially in the upper shortwave bands from the 25-meter band on up to 30 MHz and beyond. The Sun is now entering one of its periods of increased sunspot activity after a 20-year period of relative calm. This will make short range communications unreliable and long range DX an everyday affair. Signals from stations just down the road will be, literally, lost in outer space, and wishy washy signals from outer nowhere will come booming



SHORTWAVE SUPERCHARGER

Turn your old SW clunker into a high-band hot-rod.

into your listening post like they were right next door.

Under these conditions many old and some not-so-old shortwave receivers will need a bit of help when they try to work the high bands. Their circuits tend to get a little frazzled. As a matter of fact, almost any SWL would appreciate a bit of a signal boost now and then. It might just

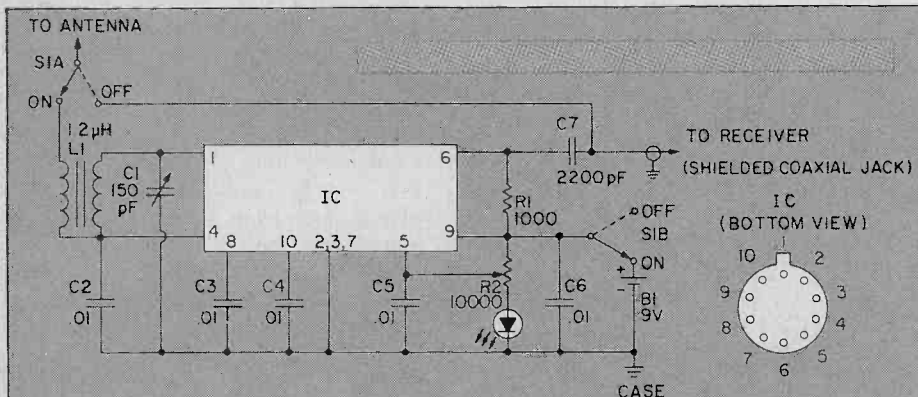
make the difference between a very good DX catch and a record breaking DX discovery.

If you decide you want a DX boost or you need to increase the versatility of your old set then you should build this Shortwave Supercharger.

This unit will boost selectively the RF signal by 20-30 dB and it will compensate for many deficiencies of your set.

It will not only improve the gain of the shortwave receiver but will also improve its selectivity and the image frequency rejection. Simple, single conversion superhet SW sets have the annoying tendency of receiving spurious signals separated by twice the IF frequency from the desired signal. For example if you tune to 20 MHz you may also receive $20 + (2 \times 0.455) = 20.910$ MHz (image frequency) signal which will interfere with the 20 MHz signal. In addition you will be able to pull in many SW stations you didn't even know existed. With 10- to 15-foot of wire behind your sofa as an antenna you may receive stations as distant as Australia or mainland China.

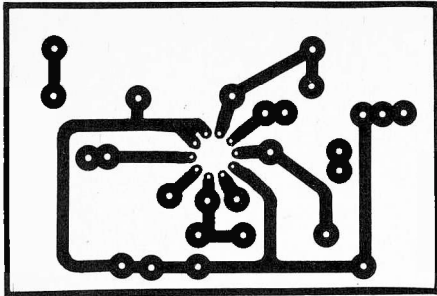
How does it work. The circuit is based on an inexpensive integrated circuit manufactured by Motorola and its HEP subsidiary. Its innards consist of three transistors, a diode and four resistors which together form an excellent automatic gain controlled (AGC) radio frequency amplifier. To build the circuit with separate discrete components would cost a bundle and the result would not be as good. The incoming RF signal is coupled with a few turns of wire to the coil L1. The tuned parallel-resonant circuit consisting of L1 and C1 selects the wanted signal by rejecting adjacent frequencies and feeds the sig-



PARTS LIST FOR SHORTWAVE SUPERCHARGER

- B1—9V transistor radio battery
- C1—150-pF variable capacitor
- C2, C3, C4, C5, C6—0.01 uF capacitor
- C7—2200-pF capacitor
- R1—1000-ohm 1/4-watt resistor
- R2—10,000-ohm variable resistor
- IC—Motorola MC1550, HEP 590 or HEP C6091

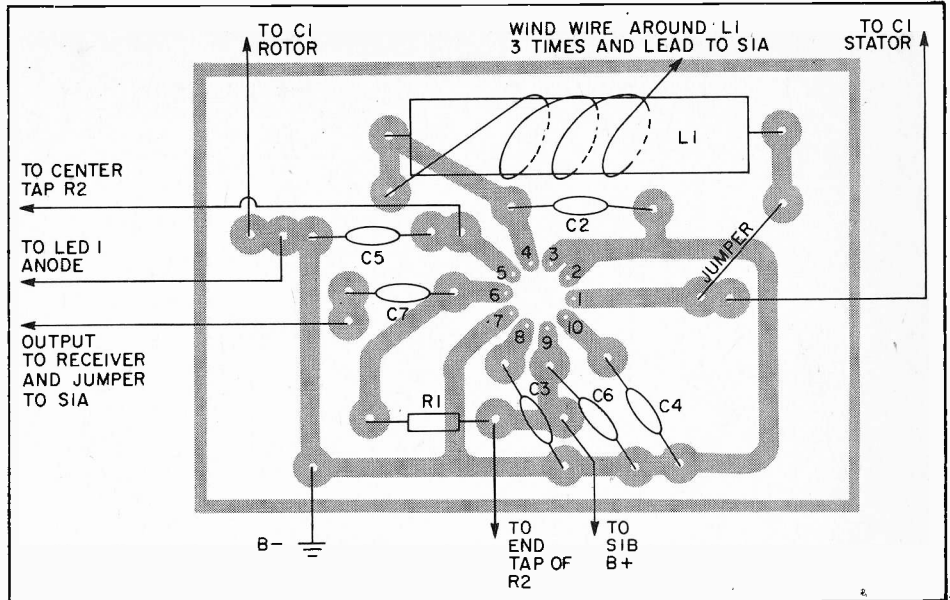
- LED—Red LED indicator
- L1—Miller 4502, 1.1-1.5-microhenry coil (for winding your own, see text), for antenna connection use 3 turns of wire wound tightly around the coil.
- S1—DPDT switch
- Misc.—case, knobs, jacks for shielded cable



Use this full-size circuit-board template to build your Shortwave Supercharger. You can find etching materials at a radio shop.

nal to pin 1 of the integrated circuit. The amplified signal leaves the IC on pin 6. The AGC input on pin 5 is used to control the gain of the amplifier when you turn potentiometer R2. The light emitting diode indicates that the circuit is on and that the battery is still alive. The DPDT switch S1 selects between straight-through connection, booster off and booster on.

Construction. This is a radio frequency project which requires a neat soldering job and short connections. However, if you do a half-decent job the supercharger should fulfill your expectations. The author used point-to-point wiring on a perf board. If you have some experience with PC boards you might use the layout shown here. The Supercharger with the indicated component values will cover approximately 10-30 MHz. Using different values for L1 or C1 will change this range, though the ratio of minimum to maximum frequency will remain 1:3. Doubling the capacitor or inductance value lowers the frequency by 1.41 and lowering either value increases the frequency by the same factor. If you want to substitute some parts, or wind your own coil or use a different capacitor, the circuit is quite flexible in this respect. For example you may want to replace the 150 pF capacitor C1 used by the author since this is often difficult to find. Use instead the oscillator half of the stand-



This part's location overlay is twice the actual size in order to make the positioning clearer. If you use a loop different than specified in the parts list you may want to modify the appropriate spacing on the printed circuit board. Don't forget to wrap the L1-to-antenna wire around the loop stick three times. You might install an integrated circuit socket on the printed circuit board to simplify installation and repair.

ard AM tuning capacitor from any pocket transistor radio. Instead of the coil mentioned in the parts list you might try to wind 15-20 turns of insulated copper wire on a pencil.

Mount the Shortwave Supercharger inside a metal case which you can find in most electronic supply stores. Use shielded cable between the supercharger and your receiver otherwise the connecting wire will behave like an antenna and some of the features of your supercharger will be lost. The final job is to make a dial. You can calibrate it with your shortwave receiver by tuning C1 to optimum reception.

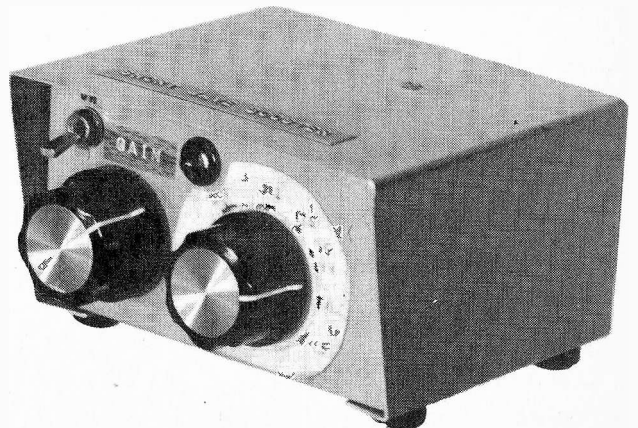
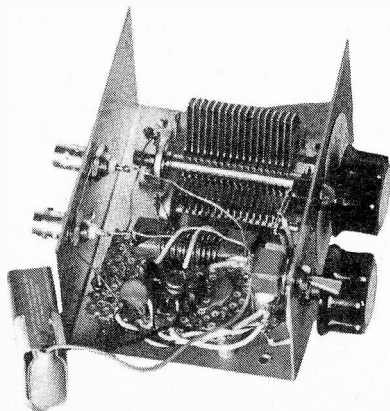
If you find that the circuit "whistles" at certain frequencies (this may easily happen if you do not use a PC board or your connections are too long), the simplest cure is to thread a few small ferrite cores through pins 1 and 4 of the

IC. Such cores can be purchased from many electronic surplus dealers.

Operation. Tune your receiver to the desired frequency and then tune C1 till you can hear maximum signal or noise, if no station is present. Returning your receiver with the fine tuning knob should require no readjustment of the supercharger. You can use R2 as your volume control or leave it in some intermediate position and use the volume control of the receiver. For strong signals you may want to turn R2 back to prevent overloading the receiver with the corresponding increase in the background noise.

Once you get it working, start digging deeper into the higher shortwave frequencies. There is a lot going on out there and with the increased sunspot activity and a Shortwave Supercharger you can't go wrong. ■

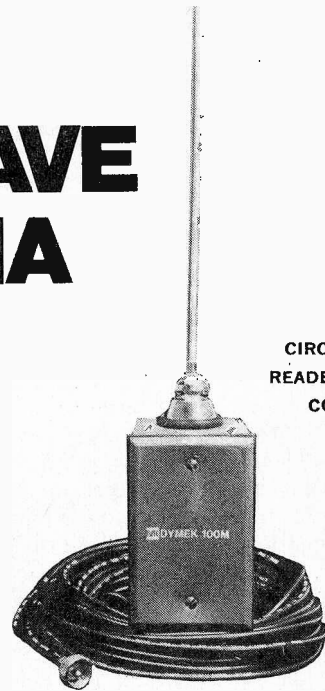
The author's prototype, shown here, used perf-board and point-to-point construction. You may build your Shortwave Supercharger using this technique or by making a printed circuit board and soldering on all the parts. The author added a small LED power indicator to prevent dead batteries if left on.



c/w checks out the...

DYMEK DA100 ALL-WAVE RECEIVING ANTENNA

This handy gadget will help you hear more from your receiver and less from your landlord.



CIRCLE 58 ON
READER SERVICE
COUPON

□ MANY SHORT-WAVE LISTENERS and DXers find that the landlord's regulations often preclude the use of a decent receiving antenna. In many buildings, nothing other than the landlord's master TV antennas can be installed on the roof; this often means the SW antenna can be no more than a short whip mounted on a terrace, or window ledge, or a short length of wire hanging down from the window, whose reception sensitivity varies as the wind blows the wire towards and away from the building.

Features. One good answer to the problem of no space for an antenna is the Dymek DA-100 All Wave Receiving Antenna, which is basically an automobile type antenna mounted on a weatherproof box with an encapsulated transistorized amplifier inside the box. The complete DA-100 system consists of the weatherproof housing, the auto-type telescopic antenna that mounts on the box, fifty feet of RG-58 coaxial

cable that brings the signal down from the amplifier and which also carries the DC power, an indoor control box that contains the power supply, an antenna switch that selects either the signal from the preamplifier or an auxiliary wire antenna, and an "output impedance matching" switch that provides output impedances of 50, 100, and 500 ohms. The switch can also be used as a 0, 10 and 20 dB attenuator if needed to compensate for strong stations.

The operating frequency range of the DA-100 is 50 kHz to 30 MHz. The internal amplifier provides approximately 3 dB gain at 100 kHz falling to 0 dB at 1 MHz, again rising to approximately +11.2 dB at 20-25 MHz, and then falling to +8 dB at 30 MHz. Between 100 kHz at 50 kHz the gain falls from +2 dB to -6 dB.

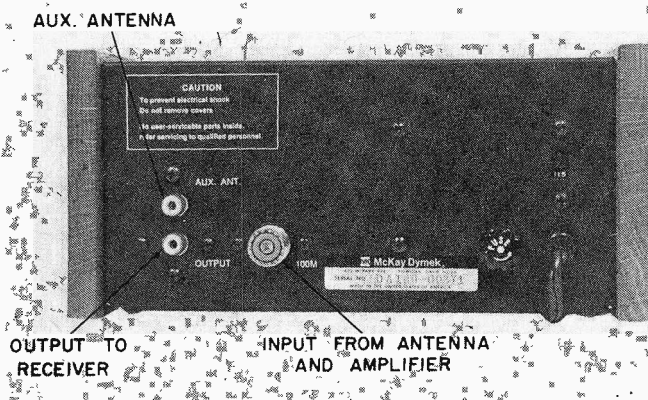
The DA100 system is touted as a replacement for a 1000 foot antenna. As any SWL and DXer should know, length does not necessarily mean "gain,"

or received signal strength, because signal strength does not necessarily depend on the length of the wire used for the receiving antenna. At some frequencies 1000 feet might be ideal, at others it might prove a disaster because of multiple nodes.

Rather than considering the DA100 a substitute for 1000 feet of wire, it is best to consider it as the solution to difficult antenna installations such as mentioned at the beginning of this article. For example, you cannot beat the DA100 with any other "all band" window antenna. Angled outward from the window the DA100 performs as well as a "car radio" whip at the lower frequencies, and as an amplified whip at the higher frequencies. If you have a terrace you can mount the weatherproof box and antenna on the metal railing (the further away from the building the better). If you can get the antenna up on the roof, and find you're short of cable, you can simply add 50 ohm coaxial cable extensions, or use one of the pre-fab coax extensions.

Fitting it in. The total antenna height when extended is 4-ft. 8-in. The weatherproof housing is a standard electrical "outdoor/weatherproof" box specially modified with the antenna mounting on top and a weatherproof coax fitting on the bottom. The indoor control box measured 9-in. wide by 5-in. high by 9-in. deep.

The Dymek DA-100 system complete with 50 feet of 50 ohm coaxial cables is priced at \$135.00. For additional information circle No. 58 on the reader's service coupon. ■



A standard UHF connector is used for the coax running to the amplifier and phone type jacks are used for both the output to the receiver and for the auxiliary wire antenna. 115 or 220 VAC

SUPER BCB Booster



Make any broadcast receiver a DX star with this sharp-tuning preamp.

IMAGINE YOUR BROADCAST BAND RECEIVER jammed from end to end with a solid wall of signals! Flea's-whisper stations, that normally can't be heard with headphones, booming into your shack at \$9. This is the kind of reception you'll get with the *Super BCB Booster*, a preamplifier specifically designed for BC DX'ers.

Whether you live in a concrete and steel tower, or out in the boondocks with enough space for a long-wire antenna, the *Super BCB Booster* will dig out stations you've never heard before because its average gain is almost 42 dB—7 S-units of extra sensitivity.

The booster can function as an electronic antenna with signals received only by loopstick antenna coil L1, or as a preamplifier, with a "longwire" antenna connected to binding post BP1.

How It Works. The signal voltage appearing across tuned circuit L1/C1 is fed to FET Q1, which provides approximately 20 dB gain on top of the L1/C1 resonant "gain." Q1's output feeds transistor Q2, an emitter-follower that provides a 10- to 15-dB power gain, and also a low impedance output for connection to the relatively low impedance input of a communications receiver.

Though intended for direct connection to a receiver's antenna input terminals, the *Super BCB Booster* can also be used with "loop antenna radios" by connecting the booster's output to a loopstick antenna (duplicate of L1) positioned near the radio. We'll show

how both connections are used.

Powered by a 2U6 type 9-volt transistor radio battery the current drain is less than 2 mA and a standard battery will last at least three-months, even under heavy service. An activator or heavy duty battery can last a year or more. With such low power consumption there's no reason to build an external AC power supply for the *Super BCB Booster*.

Construction. Although the circuit appears simple, extreme care must be taken with the circuit board preparation since the high overall gain can cause instability if a single component, or printed circuit foil, is out of position. We suggest no attempt be made to use point-to-point wiring. Use a PC board that is an exact copy of the supplied template (any PC board material can

Make a PC board that is an exact duplicate of this Template. Do not try to use point-to-point wiring since the high gains could cause instability if any parts or strips of foil were out of position. If you have any problem making yours write to the address listed with the parts for a finished board.

be used). If you cannot make your own PC boards you can obtain a *plated board* (for easy soldering) from the source indicated in the parts list.

Avoid component substitutions; Q1 and Q2 should be the specified types. Though the booster might work with some "general replacement" transistors, it might not work with others. Worse yet, it might work only on very weak signals while distorting strong signals.

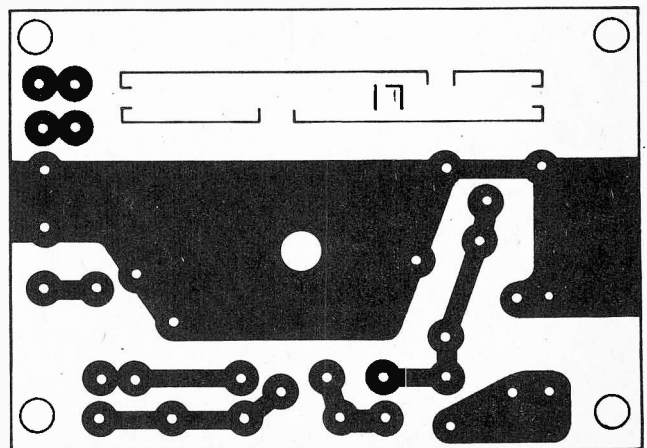
The specified components will provide distortion-free reception on signals as strong as 80,000 μ V. It will deliver excellent performance with battery voltage falling as low as 6-volts.

The circuit board and a *very short* connection to output jack J1 are the only critical assemblies. You can make mechanical modifications as long as the general layout approximates the unit shown in the photographs.

We suggest that the unit be assembled in a plastic cabinet with an aluminum front panel, though a full plastic cabinet can be used because the PC board has a built-in hand-capacitance shield. Maximum stability, however, is attained through the use of a metal front panel because it reduces the possibility of feedback from booster's output to its input.

Drilling the PC Board. All of the component mounting holes except for tuning capacitor C1 can be made with a #58, #59, or #60 bit. Capacitor C1 requires a 5/16-inch hole. If you don't have a 5/16-inch bit use a 1/4-inch drill and enlarge the hole very carefully with a miniature round file. The corner holes, which are used for the mounting screws, should clear #4 or #6 screws—whichever you prefer to use.

The PC board is best assembled in the following manner: Install capacitor C1 first, then all the remaining components except Q1. Then push Q1's leads through the board and solder. Note that Q1 is supplied with a shorting-clip around all the leads. *This clip must be*



Booster

left in position until assembly is completed and the booster is ready for operation. If the clip is removed a high static voltage from the tip of the soldering iron, or a voltage generated through normal handling, might destroy Q1. Place a paper or tape tag on or near Q1 to remind you to pull off the shorting clip before applying power.

Double-check that the tab sticking out from Q1's case faces the nearest edge of the PC board before soldering. The round side (opposite the flat) of Q2 should face the same edge of the PC board.

Note that L1's primary and secondary windings are independent though their ground connections are generally shorted together by a wire jumper on the PC board. If for some reason you prefer a separate antenna system ground, open the shorting wire and install a "ground binding post" on the panel.

After L1 is wired to the PC board it can be secured with a few dabs of silicon rubber adhesive such as Silastic or G.E.'s RTV.

Since stand-offs space the PC board away from the panel to prevent shorts between the foil(s) and the metal panel, it will be impossible to add wiring after the assembly is installed on the panel. Install the wires for the connections to BP1, J1, SW1 and the battery connector before mounting the PC board. Insulated #20 or #22 solid wire is suggested. Mount the PC board to the panel using a 1/4-inch spacer or stack of washers between the panel and PC board at each mounting screw.

After all wiring to the panel components is completed adjust L1's slug so it protrudes between 1/4- to 1/2-inch from the top of the coil form—no further tuning is needed.

Make up a connecting lead from shielded or coaxial cable to go from output jack J1 to the receiver's antenna terminals. For least signal attenuation

the lead length should not exceed 15-inches.

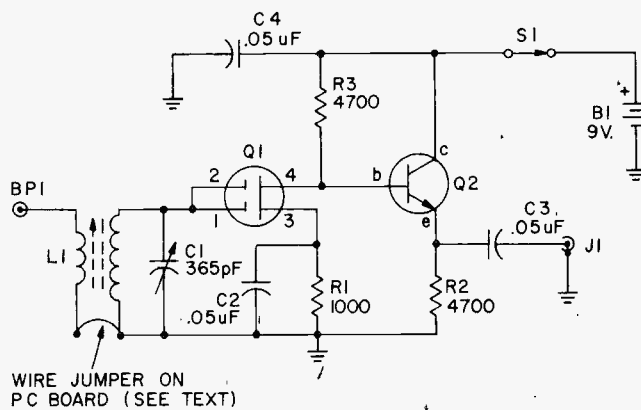
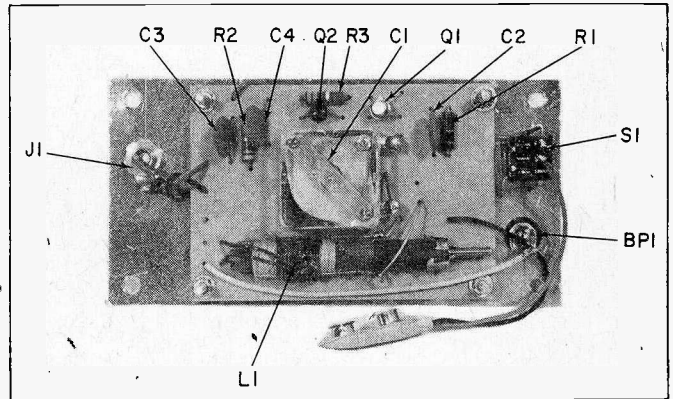
If the booster will be used with a transistor-type radio having a built-in loop antenna and no terminals, connect the free end of the output cable to a loopstick antenna coil the exact duplicate of L1. Remove the primary winding—the heavy outer winding of plastic insulated wire wrapped around

the coil. Position this coil on the radio's case opposite the built-in loopstick antenna and tape the coil in place.

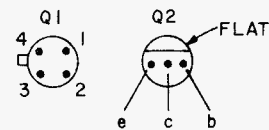
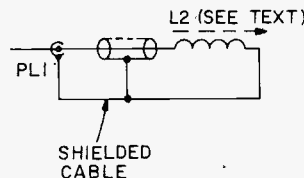
Using The Super BCB Booster. Turn on both the receiver and booster and tune in the desired station or frequency. Then adjust tuning capacitor C1 for maximum signal strength or highest S-meter reading. As a general rule the

(Continued on page 118)

The complete assembly—showing the recommended locations for BP1, S1 and J1. Note that J1's ground lug is used; there are two connections to the PC board—one for the ground terminal and one for the jack's center conductor. Shielded cable isn't needed; just wrap the ground wire around the conductor a few times.



WIRE JUMPER ON PC BOARD (SEE TEXT)



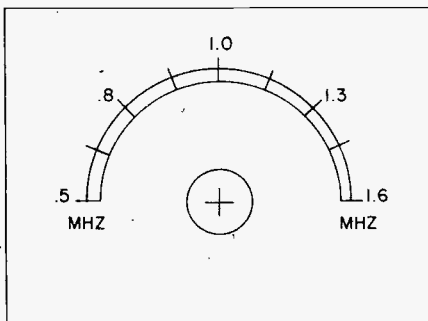
PARTS LIST FOR SUPER BCB BOOSTER

- B1—9-volt battery (type 2U6 or equiv.)
- BP1—Insulated 5-way binding post or equiv.
- C1—365 pF miniature tuning capacitor (Polyvaricon type)
- C2, C3, C4—0.05 uF disc capacitor rated 10 VDC or higher.
- J1—Phono jack
- L1—Loopstick antenna (Radio Shack 270-1430 or equiv.)
- L2—Same as L1 (Optional. See text.)
- PL1—Phono plug (Optional for L2)
- Q1—FET, RCA 40600
- Q2—NPN transistor, 2N3394

- R1—1000 ohms, 1/2-watt, 10% resistor
- R2, R3—4700 ohms, 1/2-watt, 10% resistor
- S1—SPST switch

Misc.—Cabinet, PC board, hardware, etc. A plated printed circuit board is available for \$5 from the Electronic Hobby Shop, Box 192, Brooklyn, N.Y. 11235. U.S. orders add \$2.00 for postage and handling; Canadian orders add \$3.50. No foreign orders, please. New York State residents must add appropriate sales tax for your area. Postal money orders speed delivery; otherwise allow 6-8 weeks for delivery.

L1 is secured to the back of the PC board, after it has been wired, with a couple of drops of silicon rubber adhesive. The coil can serve as an "electronic antenna," and a "long wire antenna is needed only if you are after super-DX reception. To keep dust out of the tuning capacitor's plates—and thereby avoiding snaps, crackles and pops when tuning—we suggest a model that is supplied with a plastic cover.



The tuning dial faceplate can be used as is; just cut it out and paste it down.

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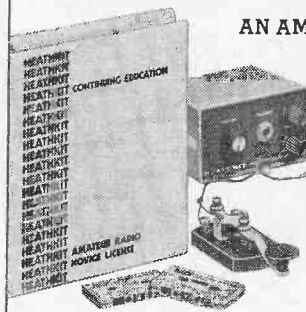
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ATRONICS CODE READER

Copy those dots and dashes in the blink of an eye!

CIRCLE 119 ON READER SERVICE COUPON

□ If the sound of *dahdidahdit-dahdah-didah* is more Greek than music to your ears—if you'd have a better chance understanding an outraged Patagonian peasant than the Morse Code—well, you could be missing out on a lot of fun. Some of the best DX around is yours for the tuning, if you can copy the dots and dashes of Mr. Morse.

Maybe you've tried to learn the code and—for one reason or another—haven't been successful. Or perhaps you do know the code at five or even ten words per minute but you still wish you could listen in on the stations that send at fifteen or even fifty words per minute.

The Atronics Code Reader has come to the rescue. One simple connection to your shack's receiver and you'll be able to *watch* as the Morse Code is visually decoded right before your eyes.

Alphanumerics. Each character of the Code, as received, is displayed on the code reader's 16-segment LED. The code reader can visually display letters of the alphabet just as clearly and precisely as you're used to seeing numbers displayed on a calculator.

At this point, you may be thinking that you've seen "letters" on a calculator and weren't all that impressed. Maybe a friend once told you to put 07734 on a calculator display and then

turn the calculator upside down. Sure enough, it looked a little bit like the word "HELLO." But, when it comes to displaying letters like W or Q even the trickiest calculator nut has to be left scratching his head.

The code reader uses an LED which has been especially engineered for displaying English letters A-Z as well as the numbers 1-10. The LED is a 16-segment device which uses the same philosophy as a calculator's 7-segment LED. Individual segments are lit up and the eye sees the finished result. On a 7-segment LED, the number 1 is made up of two lit-up segments, one above the other on the right-hand edge of the LED. Similarly, the number 8 is formed when all seven segments are lit. As you can see, if you play around with this idea, there's just not enough segments for many of our letters.

The alphabet is easily accomplished with *sixteen* segments. Examine how the letter W is formed by this type of LED. The sides of the W are each formed by two segments above each other, but the interior rise is formed by two segments that originate at opposite corners of the LED at 45-degree angles to meet at a point. Other letters, such as B, D, X, etc., can be formed in just such a fashion.



The front panel controls are adjusted by means of LEDs above them. Practice will enable you to quickly change the station.

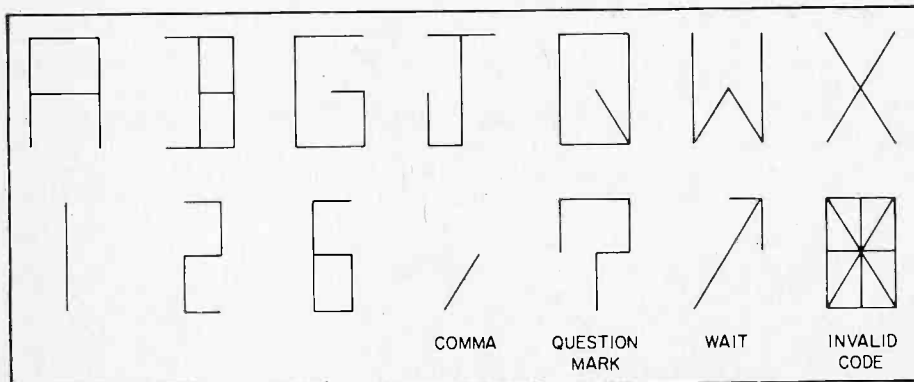
Also, there is absolutely no doubt if you are seeing a letter or a number. Many 7-segment "alphabets" make the lower case "b" do double duty as a "6." Unfortunately, this can result in some confusion as to which is being displayed. The 16-segment LED is able to display a capital letter "B" besides the normal configuration of a "6."

Copying the Code. The Code Reader is certainly one of the easiest accessories to hook into a station's receiver. All that is required is to connect the reader in parallel with your receiver's speaker terminals. Many receivers even have a SPKR OUT jack where this connection is already made. Once hooked up, operation is simple enough, but requires some practice before you can get the controls quickly adjusted when you change stations.

There are two controls on the front panel, *level* and *speed*. Each of the controls—one on either side of the 16-segment LED—has a small LED above it. The LED above the *speed* control indicates the anticipated length of a received Morse Code dot. The LED which is above the *level* control indicates "Mark" (ON) and "Space" (OFF) conditions.

Tune across the band until you are receiving a good, clear signal. Adjust the *speed control* (which is calibrated in words per minute) until the LED

(Continued on page 118)



The Atronics Code Reader is able to display not only the numbers 1-10, but the letters from A-Z in a clear, concise style. It makes copying the morse code possible for those with little experience, and enjoyable even for the pro. Circle number 119 for more info.

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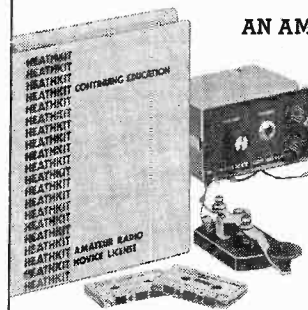
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c/w checks out the...

ATRONICS CODE READER

Copy those dots and dashes in the blink of an eye!



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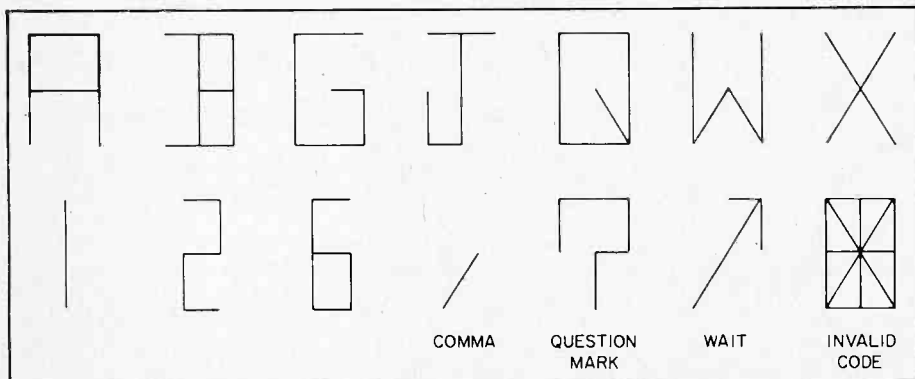
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There are two controls on the front panel, *level* and *speed*. Each of the controls—one on either side of the 16-segment LED—has a small LED above it. The LED above the *speed* control indicates the anticipated length of a received Morse Code dot. The LED which is above the *level* control indicates "Mark" (ON) and "Space" (OFF) conditions.

Tune across the band until you are receiving a good, clear signal. Adjust the *speed control* (which is calibrated in words per minute) until the LED

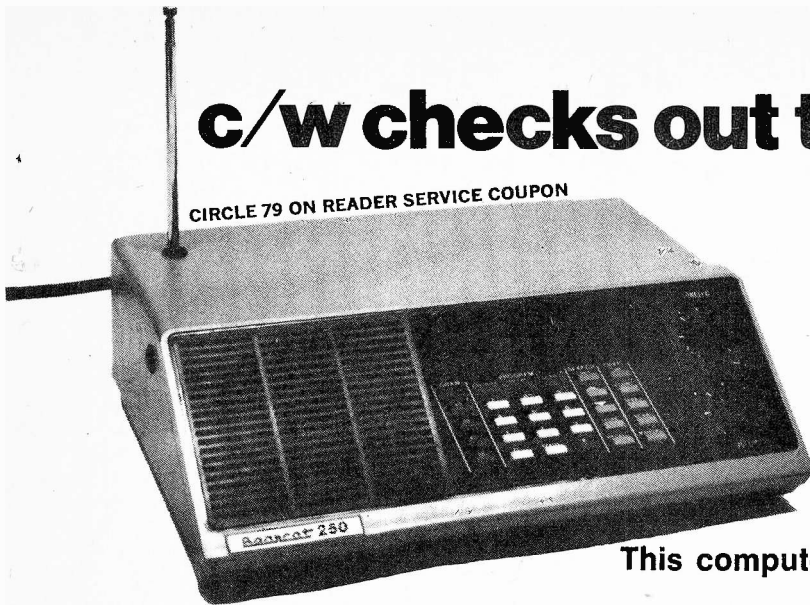
(Continued on page 118)



The Atronics Code Reader is able to display not only the numbers 1-10, but the letters from A-Z in a clear, concise style. It makes copying the morse code possible for those with little experience, and enjoyable even for the pro. Circle number 119 for more info.

c/w checks out the...

CIRCLE 79 ON READER SERVICE COUPON



five-band scanner **BEARCAT** **250**

This computerized scanner keeps track of radio traffic without jamming your brains circuits

□ A SCANNER THAT THINKS FOR ITSELF is about the best way to describe the Bearcat 250 Five Band Scanning Receiver. No longer need the user know the precise frequency of a station or service; the Bearcat will discover the station's frequency. No longer need you wonder which is the most "popular" police, fire or public service frequency: the Bearcat will keep a running total of transmissions on each channel. And if all this isn't enough, the Bearcat can also scan a range of frequencies and electronically log each frequency used without stopping for the transmissions, individually program a delay or lockout for any channel, and even program automatic recorder control for specific channels. For example, if you are interested in recording only the activity on say, channel 14, you can program the receiver so a recorder starts only when a channel 14 signal is received, no other frequencies will be recorded. If you are interested in recording what's happening on multiple channels, say Nos. 1, 3, 5, 18, and 22, you can likewise program the recorder to start only when signals are received on any of these.

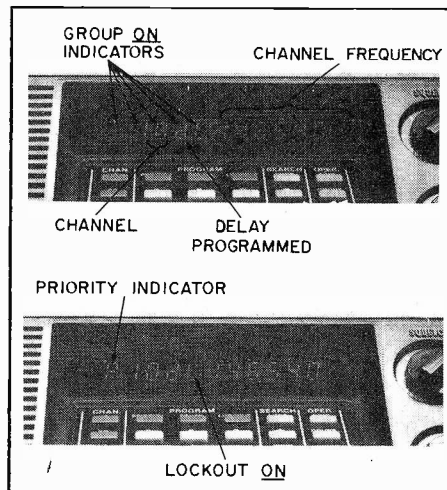
How is all this "magic" accomplished? Through use of an on-board microprocessor (microcomputer) that provides even more heretofore unimagined performance. But before we get too far ahead of ourselves, let's go back to the beginning and take a look at the big picture.

The Bearcat 250 is housed in a cabinet measuring 10¾-in. wide by 3½-in. high by 8-in. deep. It will operate off 120 VAC or 13.8 VDC. Though it covers five bands—32-50 MHz, 146-148 MHz, 148-174 MHz, 420-470 MHz, and 470.0125-512.0125 MHz, the tuner sections are so arranged that a single antenna input can be used. Provision is made for an external an-

tenna through a "Motorola" jack, or a supplied telescopic whip that protrudes through the top of the cabinet. The whip can be unscrewed when not needed. As with the antenna jack, the whip antenna serves for reception on all bands.

All functions and frequencies are entered through a keyboard having thirty pushbuttons. An eleven character L.E.D. display indicates frequency, time, and all programmed functions.

Heading the list of functions is a



A typical display. Numerals 10 indicate channel 10 is being monitored. "D" indicates the 2-second delay has been programmed for the channel, meaning the scan will hold for at least 2 seconds after the station goes off before scanning is resumed. "L" means the channel has been temporarily locked out of the scanning: it can be selected manually, but not by scanning. Finally, the frequency read-out is 146.450 MHz. The five dots at the upper left, directly over and to the right of the "10" indicate all five channel groups are switched on. A "P" showing before the "10" would indicate the priority has been switched on. During scan channel 1 will be scanned every 2 seconds.

digital time clock indicating hours, minutes, and seconds that is always on even with the receiver turned off, or if the display is used to indicate frequency. Under any operating condition, the time is displayed when the time pushbutton is depressed. Pressing the button a second time turns off the time display and restores whatever was indicated prior to the clock display being turned on.

50 Channels. Next, is a 50 channel memory arranged in five switch selected groups of 10 channels each. Any group or combination of groups can be selected for scanning. The selected groups are indicated by small "dots" at the top left of the L.E.D. display. Even with the power switch off the on-board computer remembers the last group selection, and will resume scanning the selected groups as soon as power is turned on. The programming is such that you cannot turn off all groups. Attempting to place all groups on standby automatically activates the channel 1 through 10 group. The 1-10 group can only be turned off (placed on standby) if another group(s) is selected.

In addition to the 50 scan channels, the Bearcat 250 has a separate memory for 64 frequencies. These 64 frequencies are stored independent of the 50 channel programming. If desired, any of the 64 frequencies can be entered as channel programming.

To "discover" unknown services or frequencies the receiver can be programmed to search any frequency range within a single band. The search can be programmed to stop each time a station is detected so the user can listen to the signal to see if it's a worthwhile service to store in a main channel memory. Or, the scan can be used just to locate frequencies; instead of stopping on the station until the transmis-

BEARCAT

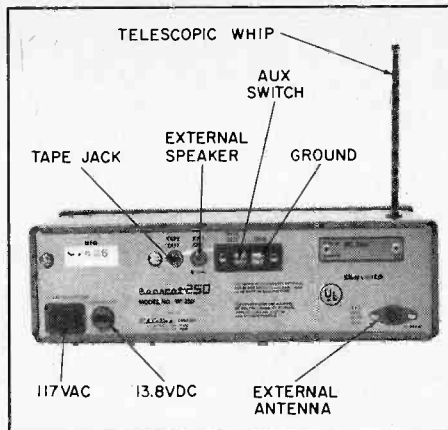
sion is over, the search stores the "working" frequency in the 64 channel memory. The user can then step through the memory one frequency at a time to determine which frequencies were active, or can step and hold in order to monitor the signal. Again, any desired stored frequency can be entered into one of the 50 scan channels.

At the touch of a button marked *priority*, channel 1 can be programmed as a priority channel so that regardless of the channel groups programmed for scanning, the receiver will scan channel 1 for activity every two seconds. Any frequency within the five bands can be programmed into channel 1. With the *priority* switch off, channel 1 functions as any other channel.

If you're not certain which frequencies are the "hot" ones in your area, you can get a count on the number of transmissions by simply pressing a button marked *count*. The indicated frequency on the display turns off and the number of transmissions on that particular channel is indicated. Each channel's counter can be individually erased so it starts from zero whenever desired. Other channel counters are not affected by a counter erase. Pressing *count* a second time restores the frequency indication and the counter works "unseen."

The signal on any channel can be used to control an associated recorder (or other device) through the *aux* function. Pressing the *aux* and E (for *enter*) buttons programs any channel for remote control through a closed circuit providing up to 500 mA. As soon as a signal breaks the squelch the *aux* control circuit is closed. It is normally capable of handling the remote start circuit of a portable cassette recorder. For a higher power control device, an intermediate relay or transistor switch must be used. The *aux* function is indicated by a small dot in the lower right of the L.E.D. display.

Goodby Birdies. One of the problems with some digitally synthesized scanners in the past has been "birdies", unwanted signals generated by the scanner's internal oscillators. The *search* mode often picked up some of these unwanted signals and locked the scanning onto the birdie, because as far as the receiver is concerned the birdie is a legitimate unmodulated carrier. In the Bearcat 250, however, the user programs the birdies out first by disconnecting the antenna and making one search pass, storing the birdie fre-



All connections are through rear apron connectors. The power source is automatic: simply plug in the AC or DC power cord. The aux switch terminals can be used to start a recorder and are specifically programmed for one or more channels as required by the user.

quencies in the store memory. Then the antenna is connected and the search resumed. Now the search literally skips over the birdie frequencies and the only signals that will be "locked up" during the search will be legitimate signals. Of course, the birdie frequencies are entered in the 64 channel store memory, and by stepping through the memory the user can get a "listing" of both the birdie and signal frequencies.

You get the listing by pressing a *recall* button; each press steps the tuning and display to the next frequency in store memory. To let you know you have run through all the frequencies discovered through the last search run, the display will blank after the last searched frequency, and then repeat ("playback") from the lowest frequency.

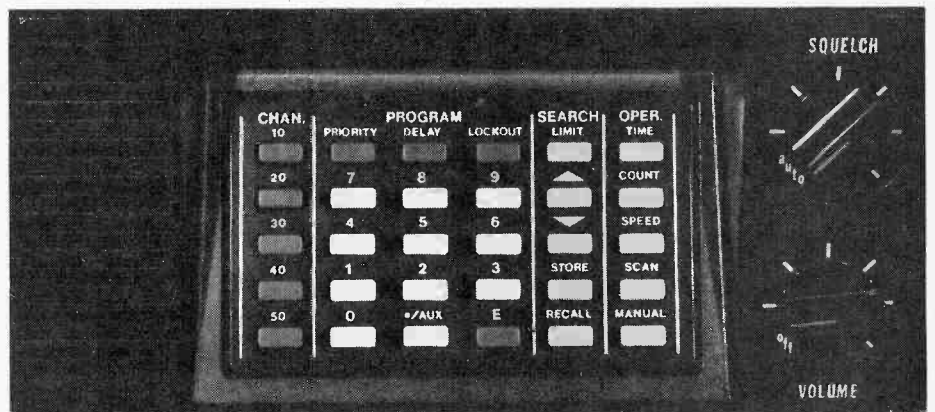
The Hardware. The front panel has only two controls: one for volume/power switch; the other for squelch. Somewhat unusual, the squelch control has a detented switch position at full CCW labeled *auto*, meaning automatic squelch. It's a factory set squelch level that appears to be "just about right."

The rear apron has sockets for the AC linecord, a DC power cord, the antenna jack, a remote speaker, and a line level output for a recorder. Screw type binding terminals are used for the *aux* control.

A gimbal bracket such as supplied with mobile CB transceivers is provided for mounting the Bearcat 250 in a vehicle. Plugs in the side of the cabinet normally conceal the threaded eyelets for the mobile bracket's screws.

Summing Up. The Bearcat 250, priced at \$399.95 complete with AC and DC power cords, mobile bracket, and telescopic antenna is one heck of a scanner. Overall performance is just about typical for high performance scanners such as previous Bearcats. The thing that makes the 250 stand head and shoulders above other scanners is the on-board computer. Fact is, it does so much that it takes a thorough read-thru of the manual before you can even start to get maximum utilization of the special computer features. Best bet is to stop into a local Bearcat dealer and get a hands-on demonstration. (Make certain you get a salesperson who really knows the 250 inside and out or you're likely to miss one or more of the outstanding features in a store demo.)

For more information on the Bearcat 250, circle No. 79 on the reader's service coupon.



Thirty pushbutton keys control all functions and the frequency selection. The five keys in the left vertical row select channels in groups of 10: 1-10, 11-10, 21-30, etc. The receiver scans only the groups "punched up." Individual channels in each group can be "locked out" by pressing the lockout key. The group scanning can be in any order: for example, if the 10 and 40 keys are depressed the receiver will scan channels 1 through 10 and 31 through 40. An individual channel is manually selected by simply pressing the key corresponding to the channel number and then the manual key. Direct selection of channel 15 would be selected by pressing keys: 1, 5, and manual.

SHORTWAVE-BAND AIDS

Become a "world-class" DXer by setting up your own super-equipped, shortwave listening post.



☐ YOUR NEW SHORTWAVE radio is all plugged in and hooked to the antenna outside your window and you're starting to listen to the world. You've read a little about the sport of DXing—tuning in for long distance stations—and you decide to give it a whirl. How can you pursue this hobby and get a flood of exotic QSL cards coming through the mail? You have the main ingredients—short wave set and antenna. But what else do you need?

Information Aids. You probably began your listening by simply tuning through the bands to see what stations you could stumble onto. In time, you can catch a lot of stations this way. The experienced DXer, however, has a better way. He has an up-to-date list of foreign station broadcasts—by country, time and frequency. Thus he is able to target his tuning so that every time he turns on his set, he knows exactly what to look for. He may not always be successful in getting the program he tunes for but he knows where it can be found

on the dial and, just as important, what time it is on the air.

Where does the DXer get such a list? Unfortunately, your local newspaper doesn't carry shortwave program listings. If you are a regular reader of *Communications World* you have probably already been referred to Don Jensen's excellent column in our sister publication *Elementary Electronics*. These are great sources of information for the DXer but there are many additional sources that will also prove helpful. Check your newsstand.

The first source is a copy of the *World Radio TV Handbook*. This 500-page annual publication lists all known shortwave broadcasters of the world. It lists them by country, by frequency and by time of broadcast. It also has a wealth of other essential information. For example, it gives the mailing addresses of all these stations—a necessity for your sending in your reception reports. It is available at many electronic stores or by mail from Gilfer Associates, Inc., P.O. Box 239, Park Ridge, N.J. 07656.

Up-dating foreign station broadcasting times and frequencies once a year is still not enough for the ardent DXer. The rapidity with which stations change their frequencies because of seasonal propagation conditions and interference by other stations broadcasting on the same or nearby frequencies, will amaze you. Therefore, the smart DXer joins a shortwave club and receives its periodic bulletins. These will feature reports sent in by members from all over the country, noting changes in frequencies and broadcasting times.

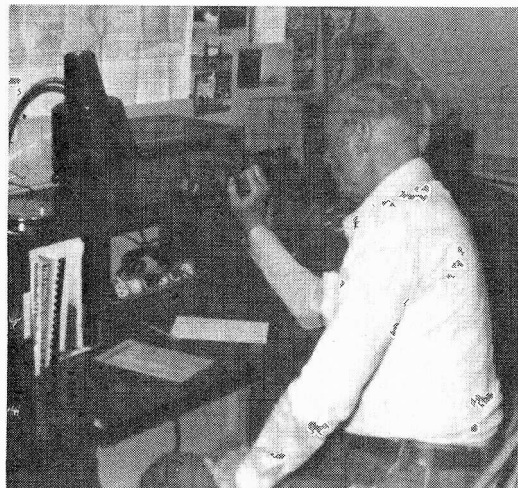
The same periodical will give you information about QSL card receptions. Members report on how long it took to receive these from various countries and whether or not return postage was needed. When you consider that it costs 31 cents each time you mail an overseas reception report, you may think

A globe is a great aid for the SWL. It is not as compact as a wall map but with a flexible ruler you can measure distance without the distortion effects of a flat map. If you have trouble finding Ouagadougou the first time you catch Radio Voltaique you might need a pocket atlas with a good gazetteer to find it in Upper Volta in West Africa. Make sure it's up-to-date.

twice before sending one into a country that seldom replies. But you can get this kind of information from your shortwave club bulletin.

There are a number of shortwave clubs in the U.S. Some specialize in various types of shortwave listening. Others cover a variety of shortwave broadcasting. The largest in the U.S. that caters exclusively to the foreign broadcast shortwave listener is the North American Short Wave Association, P.O. Box 13, Liberty, Indiana 47353.

Many DXers take the information they get from these various sources and make up a target list. One way to do this is to use graph paper and list the countries you plan to try for down the left hand side of the paper, alphabetically. Leave space between countries because many will have more than one frequency that they broadcast from. List the frequencies in the column to the right of the country. Now go to the top of the page and list the time in twenty-four numbers. Start at the left with "00" and continue across the page with "01," "02", etc. Finally, fill in the squares below to correspond to each country's broadcasting time and frequency. Now you have a practical, cross-reference list to work from. You can approach it from either the top (by time of day) or



The author tunes in a rare catch on his Drake SSR-1 shortwave receiver. Note the convenient layout of this listening post. Everything is handy but the desktop remains uncluttered—a key to relaxed DXing.

BAND AIDS

by country (using the left-hand column).

Time Conversion Aids. One of the mysteries for the beginner in shortwave listening is the Greenwich Mean Time (twenty-four hour) clock system. All program listings are given in such unfamiliar numerals as "2300 hours," "1300 hours," etc. It makes no sense at all to go looking into a reference book every time you see or hear this kind of time announcement. Instead, make up a time equivalent chart and tack it up on the wall behind your receiver. Since I want a morning-to-afternoon-to-night listing, I start at the top with 1100 and put down 6 A.M. next to it, etc.

As handy as the chart is, you will find that a 24-hour clock is also a virtual necessity. You can make one yourself by simply lettering in the "13" to "23" additional hour-numbers under the appropriate existing numbers on an old kitchen clock. I used this arrangement for a while but found that I always had to hesitate and think a second to determine whether the clock said 0200 or 1400 hours. I finally broke down and purchased a regular 24-hour digital clock at an electronics store. Now when I sit down at my listening post and glance up at the clock on the shelf, I'm completely converted to G.M.T.—the World broadcaster's and DXer's universal time.

Listening Aids. Your new shortwave radio probably has a built-in speaker and you might wonder how much better the sound would be with a larger, external unit. Unless your particular set has a very poor speaker, you won't see much difference with the addition of an outside speaker. Shortwave reception is

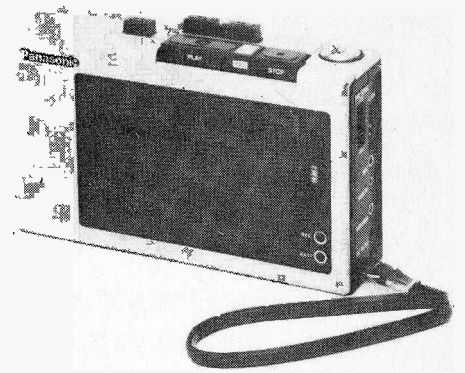
a long way from hi-fi. There is, however, one listening aid that every shortwave listener should have and that is a set of headphones.

Unless you live alone in a tent in the middle of a forest, the squeaks and noises from your shortwave set's speaker will not make you very popular with the rest of the family. This will be a very definite problem in the wee hours of the morning or late at night when you're trying for some glamorous African or Polynesian "catch."

Headphones fulfill another need; they blot out external noises and let your ears concentrate on your listening and tuning. The last thing you need is the sound of a car's backfiring or the ringing of a doorbell when you're in the midst of tuning in that hard-to-get foreign station.

When you purchase headphones, make sure you get the communications type. The hi-fi headphones, used to listen to stereo music are not for shortwave listening. They will only emphasize the squeaks and buzzes that you don't want to hear. And since you will be using them for many hours, make sure they are comfortable. If you wear glasses, you may want to check into a special type of headphone that rests on your temples and has an adjustable tubular sound arm that goes into your ear.

Recording Aids. One of the handiest items to have near your radio receiver is a tape recorder. Some DXers use tapes to send in QSL reports. Others record specific programs or portions of them. A tape recorder is particularly useful in catching those "P.O. Box numbers" and addresses spoken over the air by the foreign broadcaster. Also it is a must if you are listening to a DX program where a whole list of frequency changes is being given out over the air. Unless you're a shorthand whiz,



A tape recorder is one of the most valuable DX aids—it will remember that long string of frequency changes that you couldn't copy fast enough or will keep listening while you answer the phone or doorbell. You can use a fancy reel-to-reel job or a small cassette recorder like this Panasonic RQ-332. Make sure the recorder has a jack so you can patch in your receiver. This unit has a counter so you can easily go back to a catch by winding to the number.

you simply can't write these numbers down fast enough. With a recorder, you can playback that portion of the broadcast and write down the information at your leisure. You will also find a recorder handy when you're busy taking down notes on a program's content for a QSL report and you are interrupted by the telephone or doorbell. In that case, you simply turn on your recorder and finish your report later.

If you don't have a tape recorder and set out to purchase one, you might consider an expensive reel-to-reel type, but I find an inexpensive portable cassette recorder works fine for my needs.

Geographic Aids. Part of the fun of shortwave listening is to bring in those programs from the far corners of the World. Unless you have recently completed a modern geography course, you will need some reference material to look up the locations of such obscure countries as Brunei, Sierra Leone and Sri Lanka. A wall map will probably be your first purchase. This is useful and nice to have; when your set is bringing in a program, you can look up and marvel at the wonderful World of shortwave listening that brings you this broadcaster from several thousand miles away. However, it still won't be quick or easy to find some of these obscure nations on the map. A better way is to get a compact atlas that has a good gazetteer to give you the page or map reference for a particular location. I find a "pocket book" size atlas the handiest to use. When you buy one, be sure it is a recently-published edition. In places like Africa, new countries are being born every year.

(Continued on page 120)

TARGET LIST
Time G.M.T.

Country & Frequency	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Albania 7065 7300																								
Algeria 9685																								
Angola 3375 4820																								
Argentina 5985 6120																								
Australia 11705 15205																								

Every dedicated shortwave enthusiast should have a long target list — mark the frequency under the country and put an "X" under the time it signs on.

WHITE'S RADIO LOG

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

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
540—555.5											
KVIP	Redding, Calif.	1000	WWNC	Asheville, N.C.	5000	WSOM	Salem, Ohio	500d	WPRO	Providence, R.I.	5000
WGTO	Cypress Gardens, Fla.	5000d	WBN	Youngstown, OH	5000r	WFRM	Coudersport, Pa.	1000d	KMAC	San Antonio, Tex.	5000
WDAK	Columbus, Ga.	5000	WNAX	Yankton, S.Dak.	5000	WRAC	Mayaguez, P.R.	1000	KSKX	Salt Lake City, Utah	1000d
KWMT	Ft. Dodge, Iowa	5000d	WFAA	Dallas-Ft. Worth TX	5000	WREC	Memphis, Tenn.	5000	KSDX	Edmonds WA	5000
KNOE	Monroe, La.	5000	KLUB	Salt Lake City, Utah	5000	KROD	El Paso, TX	5000	KZUN	Opportunity, WA	1000d
WDMV	Pocomoke City, Md.	500d	KVI	Seattle, Wash.	5000	KERB	Kermit, Tex.	1000d			
WLIX	Istlip, N.Y.	250d	WMAM	Marinette WI	250r	KTBV	Tyler, Tex.	1000			
WETC	Wendell-Zebulon, N.C.	5000d				WVAR	Richwood, W.Va.	1000d	640—468.5		
WARD	Canonburg, Pa.	250d	580—516.9			WSGN	Birmingham AL	5000r	KFI	Los Angeles, CA	50000
WYNN	Florence, S.C.	250d	WBIL	Tuskegee AL	500d	KAVL	Lancaster, CA	1000r	WOI	Ames, Iowa	5000d
WDXN	Clarksville, Tenn.	1000d	KYUK	Bethel AK	5000d	KFRS	San Francisco, CA	5000	WHLO	Akron, OH	1000d
KDLT	Delta, UT	1000d	KIKX	Tucson AZ	5000r	WSNG	Torrington, CT	1000	WNAD	Norman, OK	1000d
WRIC	Richlands, Va.	1000d	KMJ	Fresno, Calif.	5000	WIDD	Miami, Fla.	5000			
WYLO	Jackson, Wis.	250d	KUBC	Montrose, Colo.	5000	WCEH	Pensacola, FL	500d	650—461.3		
			WDBO	Orlando, Fla.	5000	WCHR	Hawkinsville, Ga.	500d	KYAK	Anchorage AK	5000r
			WCAC	Augusta, Ga.	5000	WUAM	Agana, GU	10000r	KORL	Honolulu, HI	10000
			KFXD	Nampa, Idaho	5000	WRUS	Russellville, Ky.	500d	WSM	Nashville, Tenn.	50000
			WILL	Urbana, Ill.	5000d	KDAL	Duluth, Minn.	5000	KIKK	Pasadena, Texas	250d
			KSAC	Manhattan, Kans.	5000	WDAF	Kansas City, MO	5000			
550—545.1											
KENI	Anchorage AK	5000	WBW	Topeka, Kans.	5000	KOJH	Omaha, Neb.	1000d	660—454.3		
KOY	Phoenix AZ	5000r	KALB	Alexandria, La.	5000	KOSR	Chadron, Neb.	1000d	KFAR	Fairbanks AK	10000
KAFY	Bakersfield, Calif.	1000	WTAG	Warechester, Mass.	5000	WGBR	Manchester, N.H.	5000	KOWH	Omaha, Neb.	1000d
KRAI	Craig, Colo.	5000	WELD	Tupelo, Miss.	1000	KRKE	Albuquerque, NM	5000	WNBC	New York, N.Y.	50000
WAYR	Orange Park, Fla.	1000d	KANA	Anaconda, Mont.	1000d	WAYS	Charlotte, N.C.	5000	WESC	Greenville, S.C.	10000d
WGA	Gainesville, Ga.	5000	WAGR	Lumberton, N.C.	5000	WTVN	Columbus, Ohio	5000	SKSY	Dallas, Tex.	10000d
KMVI	Wailuku, Hawaii	5000	WKSJ	W. Jefferson NC	500d	WIP	Philadelphia, Pa.	5000	670—447.5		
KFRM	Salina, Kans.	5000d	KCMX	Ashland OR	1000	KILT	Houston, Tex.	5000	KDLG	Dillingham, AK	5000r
WOB	Columbus, Miss.	1000	WHP	Harrisburg, Pa.	5000	KVNU	Logan, Utah	5000	KPUA	Hilo, HI	5000
KSD	St. Louis, Mo.	5000	WKAQ	San Juan, P.R.	5000	WHPL	Winchester, Va.	500	KBOI	Boise, Idaho	50000
KBOW	Butte MT	5000r	KOBH	Hot Springs, S.Dak.	500d	KONA	Kennebec WA	5000	WMAQ	Chicago, Ill.	50000
WGR	Buffalo, N.Y.	5000	WOFE	Rockwood, Tenn.	1000d	620—483.6					
WDBM	Statesville, N.C.	5000d	KDAV	Lubbock, Tex.	500d	KTAR	Phoenix AZ	5000	680—440.9		
KFYR	Bismarek, N.Dak.	5000	WLES	Lawrenceville, Va.	500d	KWRS	Hanford, Calif.	1000	KBRW	Barrow, AK	10 000r
WKRC	Cincinnati, Ohio	5000	WCHS	Charleston, W.Va.	5000	KWSD	Mt. Shasta, Calif.	1000	KNBR	San Francisco, Cal.	50000
KOAC	Corvallis, Oreg.	5000	WKTY	LaCrosse, Wis.	5000	KSTR	Grand Junction, Colo.	5000d	WBBA	St. Petersburg, Fla.	1000d
WHLM	Bloomsburg, Pa.	1000	590—508.2						WRNG	North Atlanta Ga.	25000
WPAB	Pome, P.T.	5000	WRAG	Carollton AL	1000d	WTRP	LaGrange, Ga.	1000d	WCOT	Corbin, Ky.	1000
WNGP	Pawtucket RI	1000	KHAR	Anchorage AK	5000	KIPA	Hilo, Hawaii	5000	WCBM	Baltimore, Md.	10000
KCRS	Midland, TX	5000r	KBHS	Hot Springs, AR	5000	KWAL	Wallace, Idaho	1000	WRKO	Boston, Mass.	50000
KTSA	San Antonio, Tex.	5000	KFXM	San Bernardino, Cal.	1000	KMNS	Sioux City, Iowa	1000	WDBC	Escanaba, Mich.	10000
WDEV	Waterbury, Vt.	5000	KTHO	South Lake Tahoe, CA	2500	WMT	Louisville, Ky.	500d	KFEQ	St. Joseph, Mo.	5000
WSVA	Harrisonburg, Va.	5000	KCSA	Pueblo, Colo.	1000	WLBZ	Bangor, Maine	5000	KWKA	Clovis, N.M.	5000
KARB	Blaine, Wash.	5000	WDLP	Panama City, Fla.	1000	WJDX	Jackson, Miss.	5000	WINR	Binghamton, N.Y.	1000
WSAU	Wausau, Wis.	5000	WPLO	Atlanta, Ga.	5000	WVNY	Newark, N.J.	5000	WNYS	Rochester, N.Y.	250d
			KGMB	Honolulu, Hawaii	5000	WHEN	Syracuse, N.Y.	5000	WPTF	Raleigh, N.C.	50000
560—535.4											
W00F	Dothan AL	5000d	KID	Idaho Falls, Idaho	5000	WONC	Durham, N.C.	5000	WRGC	Sylva, NC	1000r
KVOK	Kodiak, AK	1000	WRTH	Wood River, IL	1000	KGW	Portland, Oreg.	5000	WISR	Butler, Pa.	250d
KBLU	Yuma, AZ	1000	WVLE	Lexington, Ky	5000	WHJB	Greensburg, PA	2500d	WAPA	San Juan, P.Rio	1000
KSFO	San Fran., Calif.	5000	WEEI	Boston, Mass.	5000	WCAY	Cayce, S.C.	500d	WMP5	Memphis, Tenn	10000
KLZ	Denver, Colo.	5000	WJMS	Ironwood, Mich.	5000	WRIZ	Knoxville, TN		KKYX	San Antonio, TX	50000r
WQAM	Miami, Fla.	5000	WKZO	Kalamazoo, Mich.	5000	KWTF	Wichita Falls, Tex.	5000	KOMW	Omak, WA	5000d
WIND	Chicago, Ill.	5000	KGLE	Glendive, Mont.	500d	WVMT	Burlington, Vt.	5000	WCWA	Charleston, WV	50000r
WMIK	Middlesboro, Ky.	500d	WOW	Omaha, Neb.	5000	WWMR	Beckley, W.Va.	5000			
WGAN	Portland, Maine	5000	WROW	Albany, N.Y.	5000	WTMJ	Milwaukee, Wis.	5000	690—434.5		
WFRB	Frostburg, Md.	1000d	WVAB	Rutherfordton, N.C.	5000	WAVU	Albertville, Ala.	1000d	WVOK	Birmingham AL	50000
WHYN	Springfield, Mass.	5000	WGTM	Wilson, N.C.	5000	WJDB	Thomasville AL	1000d	KEOS	Flagstaff AZ	1000r
WHND	Monroe, Mi	500d	KUGN	Eugene, Oreg.	5000	KJNO	Juneau AK	1000r	KEVT	Tucson AZ	250d
WEBC	Duluth, Minn.	5000	WARM	Seranton, Pa.	5000	KVMA	Magnolia AR	1000d	KBBA	Benton AR	250d
KWTO	Springfield, Mo.	5000	WMB5	Uniontown, PA	1000	KIDD	Monterey, Calif.	1000	KAPI	Pueblo, Colo.	250d
KMON	Great Falls, Mont.	5000	KLBJ	Austin TX	5000r	KHOW	Denver, Colo.	5000	WADS	Ansonia, Conn.	500d
WCKL	Catskill, N.Y.	1000	KSUB	Cedar City, Utah	1000	WMAL	Washington, D.C.	5000	WAPE	Jacksonville, Fla.	50000
WGAI	Elizabeth, N.C.	1000	WLYA	Lynchburg, Va.	1000	WNSV	Savannah, Ga.	5000	KKUA	Honolulu, Hawaii	10000
WFIL	Philadelphia, Pa.	5000	KHQ	Spokane, Wash.	5000	WNEG	Toccoa, Ga.	500d	KBLF	Blackfoot, Idaho	1000d
WIS	Columbia, SC	5000	600—499.7						KGDF	Coffeyville, Kans.	10000
WHBQ	Memphis, Tenn.	5000	WIRB	Enterprise AL	1000d	WVLA	Lexington, KY	5000	WTIX	New Orleans, La.	50000
KLVI	Beaumont, Tex.	5000	KCLS	Flagstaff AZ	5000r	KTIB	Thibodaux, La.	5000	KTCR	Minneapolis, Minn.	500d
KPQJ	Wenatchee, Wash.	5000	KINC	Independence, CA	500d	KDWB	Minneapolis-St. Paul MN	5000r	KSTL	St. Louis, Mo.	1000d
WJLS	Beckley, W.Va.	5000	KSXO	Redding, CA	5000	KXOK	St. Louis, Mo.	5000	KEYR	Terrytown, Neb.	1000d
			KOGO	San Diego, CA	5000	KGIV	Boise, Idaho	5000	KRCO	Prineville, OR	1000d
570—526.0											
WAAX	Gadsden AL	5000r	KIIX	Ft. Collins, CO	1000d	KOH	Reno, NV	5000	WYIS	Phoenixville PA	
KCND	Alturas, Cal.	5000d	WICC	Bridgeport, Conn.	1000	KLEA	Livington, N.Mex.	500d	KUSD	Vermillion, S.Dak.	1000d
KLAC	Los Angeles, Calif.	5000	WSNY	Jacksonville, FL	5000	WIRC	Hickory, N.C.	1000d	KHEY	El Paso, Tex.	10000
WFSO	Pineleafs Park, FL	5000	WMT	Cedar Rapids, Iowa	5000	WMFD	Wilmington, N.C.	1000	KPET	Lamesa, Tex.	250
WACL	Waycross, Ga.	5000	WFST	New Orleans, La.	1000d	KWRO	Coquille, OR	5000d	KZEY	Tyler, Tex.	5000d
KATB	Agana, GU	5000	WCAO	Baltimore, Md.	5000	WEIJ	Seranton, Pa.	500d	WZAP	Bristol, Va.	10000d
WKYX	Paducah, Ky.	1000	WBDN	Escanaba, MI	1000d	WQBS	San Juan, P.R.	5000	WNNT	Warsaw, Va.	250d
WGMS	Bethesda, Md.	5000	WTAC	Flint, Mich.	1000				WELD	Fisher, W.Va.	5000d
WVMI	Biloxi, MS	5000r	KGEZ	Kalispell, MT.	1000				WAGO	Oshkosh, Wis.	250d
WGRT	Las Cruces, N.Mex.	5000d	WVPR	Murphy, N.C.	1000d						
WMOA	New York, N.Y.	5000	WSJS	Winston-Salem, N.C.	5000						
WSYR	Syracuse, N.Y.	5000	KSJB	Jamestown, N.D.	5000						

□ 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; i—educational TV station. Wavelength is given in meters. Listing indicates stations on the air as of September 28, 1978.

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.
700—428.3		
KBYR	Anchorage AK	1000r
WLV	Cincinnati, Ohio	5000
710—422.3		
WKRZ	Mobile AL	1000r
KMPC	Los Angeles, CA	5000r
KERE	Denver O	5000
KFIA	Carneichael, CA	
WGBS	Miami, Fla.	5000
WUFF	Eastman, Ga.	1000
WROM	Rome, Ga.	1000
KEEL	Shreveport, La.	5000
WEP	Eupora, MS	500
WHA	Kansas City, Mo.	1000
WDS	New York, N.Y.	5000
W200	Ashboro, N.C.	1000
WEGG	Rose Hill, N.C.	2500
WKJB	Mayaguez, PR	5000r
WQKI	St. Mathews, SC	1000
WTPR	Aparis, Tenn.	2500
KGNC	Amarillo, Tex.	1000
KJUV	Edinburg, Tex.	1000
WQBX	Blackshe, VA	1000
KIRO	Seattle, Wash.	5000
WDSM	Superior WI	1000
720—416.4		
KOTZ	Kotzebue AK	5000
KRIJ	Ileale, N.Y.	5000
WGN	Chicago, Ill.	5000
KDWN	Las Vegas, NV	5000r
730—410.7		
KJMW	Athens AL	1000
KSUD	West Memphis AR	1000
WLOP	Thomasville, Ga.	5000
KLOE	Goodland, Kans.	1000
WFMW	Madisonville, Ky.	500
WMT	Vance, Ky.	1000
KTRY	Bastrop, La.	2500
WARB	Covington, La.	2500
WJTB	Bath, Maine	1000
WACE	Chilopee, Mass.	5000
WVIC	E. Lansing, Mich.	500
KWRE	Warrenton, Mo.	1000
KWOA	Worthington, Minn.	1000
KURL	Billings, Mont.	500
KDZ	Albuquerque, N.M.	1000
WDS	Ontonagon, N.C.	1000
WFMC	Goldsboro, N.C.	1000
WOHS	Shelby, N.C.	1000
WJYM	Bowling Green, OH	1000
KBOY	Medford, Oreg.	1000
WNAK	Nanticoke, Pa.	1000
WPIT	Pittsburgh, Pa.	5000
WPA	Charlotte, S.C.	1000
WLIL	Lenoir, Tenn.	1000
KKDA	Grand Prairie, Tex.	500
KSVN	Ogden, Utah	1000
WPIK	Alexandria, Va.	5000
WMA	Gretna, Va.	1000
KULE	Elphinston, Wash.	1000
WJMT	Merrill WI	1000
740—405.2		
WBAM	Montgomery AL	5000r
KMEQ	Phoenix AZ	1000
KBRT	Avalon, CA	1000
KCBS	San Francisco, Calif.	5000
KSSS	Colorado Springs, Colo.	1000
KVFC	Cortez, Colo.	1000
WBSR	Boca Raton FL	1000
WKMK	Bloounton, Fla.	1000
KWME	Orlando, Fla.	5000
KYME	Bolet, Idaho	500
WVNL	Olney, IL	2500
KBOE	Oskaloosa, Iowa	2500
WNOP	Newport, Ky.	1000
WCAS	Cambridge, Mass.	2500
KBAD	Carlsbad NM	1000
WGSN	Huntington, N.Y.	5000
WMBL	Morshete City, N.C.	1000
WPAQ	Mount Airy, N.C.	1000
KRMG	Tulsa, Okla.	5000
WVCH	Chester, Pa.	1000
WJAC	San Juan, P.Rico	1000
WBAW	Barnwell, S.C.	1000
WIRJ	Humbolt, Tenn.	2500
WBGY	Tullahoma, TN	2500
KTRH	Houston, Tex.	5000
KCMC	Texarkana, Tex.	1000
WBCI	Williamsburg, Va.	5000
WRNR	Martinsburg WV	1000
WBOO	Baraboo, Wis.	2500
750—399.8		
KFQD	Anchorage AK	5000r
WSB	Atlanta, Ga.	5000
WBMD	Baltimore, Md.	1000
KMMS	Grand Island, Neb.	1000
WHEP	Forthmouth, N.H.	1000
KSEO	Durant, Okla.	2500
KXL	Portland, Oreg.	5000
WPDZ	Clarksburg, W.Va.	1000
760—394.5		
KFMB	San Diego, Cal.	5000
KGU	Honolulu, Hawaii	1000
WDET	Detroit, Mich.	5000
WCPS	Tarboro, N.C.	1000
WORA	Mayaguez, P.R.	5000
770—389.4		
KUOM	Minneapolis, Minn.	5000
WCAL	Northfield, Minn.	5000
WEW	St. Louis, Mo.	1000
KOB	Albuquerque, N.Mex.	5000
WABC	New York, N.Y.	5000
KXA	Seattle, Wash.	1000
780—384.4		
KNOM	Nome AK	1000r

Call	Location	W.P.
WBBM	Chicago, IL	5000
WJGR	Norfolk, Neb.	1000
KROL	Reno, Nev.	5000
WDCB	Durham, N.C.	1000
WBBO	Forest City, N.C.	1000
KSPI	Stillwater, Okla.	2500
WABS	Arlington VA	1000
790—379.5		
WTUG	Tuscaloosa AL	1000
KCAM	Glennallen AK	5000
KCEE	Tucson, AZ	5000r
KQSY	Texarkana AR	1000
KXQR	Clovis, CA	500
KHUM	Eureka CA	5000
KABC	Los Angeles, Calif.	5000
WLBE	Leesburg, Fla.	5000
WFUN	Miami, Fla.	5000
WVNS	South Miami FL	5000
WPFA	Pensacola, Fla.	1000
WQXI	Atlanta, Ga.	5000
WYNR	Brunswick, Ga.	5000
WGRA	Cairo, Ga.	1000
KRON	Kealekeua, Hawaii	5000
KSPD	Boise, Idaho	1000
KUVN	Soda Springs, Ida.	5000
WRMS	Beardstown, Ill.	5000
KXXH	Colby, KS	5000
WAKY	Louisville, Ky.	4000
WRUM	Rumtord, Mo.	1000
WSGW	Saginaw, Mich.	5000
KGHL	Billings, Mont.	5000
WLAN	Providence, N.Y.	1000
WLSV	Wellsville, N.Y.	1000
WTNC	Thomasville, N.C.	1000
KFGO	Fargo, N.D.	5000
KWIL	Albany, Oreg.	1000
WABE	Allentown, Pa.	1000
WPC	Sharon, Pa.	1000
WEAN	Providence, R.I.	5000
WBBD	Bamberg-Danmark, S.C.	1000
WETB	Johnson City TN	5000
WMC	Memphis, Tenn.	5000
KULF	Houston, Tex.	5000
KUYO	Lubbock, Tex.	5000
KUTA	Blanding, Utah	5000
WSIG	Mount Jackson, Va.	1000
WTAR	Norfolk, Va.	5000
KGMI	Bellingham, Wash.	5000
KJRB	Spokane, Wash.	5000
WEAQ	Eau Claire, Wis.	5000
800—374.8		
WHOS	Decatur AL	1000
WBGY	Montgomery AL	1000
KINY	Juncus AK	5000
KAGH	Crosslet AR	2500
KVOM	Morrilton AR	2500
KHIS	Bakersfield, CA	2500
KBRN	Brighton, Colo.	5000
WLSD	Danbury, CT	1000
WROV	Rockville, Conn.	1000
WSST	Largo FL	5000
WSUZ	Palatka, Fla.	1000
WJAT	Swainsboro, GA	1000
KTWG	Agana, Guam	1000
WKZI	Casey, Ill.	2500
KXJF	Iowa City, Iowa	1000
WHYV	Cave City, KY	2500
WXSU	New Orleans, La.	1000
WCCM	Lawrence, Mass.	1000
KQAD	Luverne, Minn.	5000
WVAL	Sauk Rapids MN	250r
KREI	Farmington, Mo.	5000
WTMR	Camden, N.J.	250
KQCY	Oklahoma City OK	2500
KPDQ	Portland, Ore.	1000
WCHA	Chambersburg, Pa.	1000
WDCS	Dillon, S.C.	1000
WEAB	Greer, S.C.	2500
WDEH	Sweetwater, Tenn.	1000
KDD	Dumas, Tex.	2500
KBUH	Brigham City, UT	5000
WVSV	Crews, Va.	5000
KQIN	Burien, Wash.	5000
WKEE	Huntington, W.Va.	5000
WDUX	Waupaca, Wis.	5000
810—370.2		
WJXL	Jacksonville AL	5000
KGO	San Francisco, Calif.	5000
KWSR	Rite, Colo.	1000
WBLW	Royston, Ga.	2500
WATI	Indianapolis, Ind.	2500
WEKG	Jackson KY	1000
WYRE	Annapolis, Md.	2500
WSJC	Magee, Miss.	5000
WJRW	Rockford, Mich.	5000
WCKW	Kansas City, Mo.	5000
KAFE	Santa Fe NM	5000
WGY	Schenectady, N.Y.	5000
WKBC	N. Wilkesboro, N.C.	1000
WCEC	Rocky Mount, N.C.	1000
WEDO	McKeesport, Pa.	1000
WQVW	San Juan, P.R.	5000
WIGT	St. George, S.C.	5000
KHBH	Sturgis, S.D.	5000
WMTS	Murfreesboro, TN	5000
KBSN	Crane TX	1000
WPED	Crozet, VA	5000
WDMF	Dodgeville, Wis.	1000
WJQJ	Tomahawk, WI.	1000
820—365.6		
WAIT	Chicago, Ill.	5000
WIKY	Evansville, IN	2500
WBSU	Columbus, Ohio	5000
WBAP	Ft. Worth, Tex.	5000
830—361.2		
KIKI	Honolulu, Hawaii	1000
WCCO	Minneapolis-St. Paul, Minn.	5000
KBOA	Kennett, Mo.	1000
WNYC	New York, N.Y.	1000

Call	Location	W.P.
840—356.9		
WMOB	Mobile AL	1000
WRYM	New Britain, Conn.	1000
WHAS	Louisville, Ky.	5000
WVPO	Stroudsburg, Pa.	2500
WXEW	Yabuca, PR	2500
850—352.7		
WYDE	Birmingham AL	1000r
KICY	Nome AK	5000
KGKO	Benton AR	1000
KGEO	Thousand Oaks, CA	500
KOA	Denver, Colo.	5000
WYFR	Ridgefield, CT	1000
WYFC	Gainesville, Fla.	5000
WEAT	W Palm Beach, Fla.	1000
WCUG	Cuthbert, Ga.	5000
KHLO	Hilo, Hawaii	1000
WIVS	Crystal Lake, Ill.	5000
KLEU	Waterloo IA	5000
WHDH	Boston, Mass.	5000
WKBZ	Muskegon, Mich.	1000
WUIC	Durham, Minn.	1000
WMAG	Forest, Miss.	1000
KFUD	Clayton, Mo.	5000
WKIX	Raleigh, N.C.	1000
WJW	Cleveland, Ohio	1000
KRPT	Anadarko, Okla.	1000
WJAT	Johnstown, Pa.	1000
WEEU	Reading, Pa.	1000
WABA	Aquadilla, P.R.	500
WIVK	Knoxville, Tenn.	5000
WUCR	Sparta, TN	2500
KEYH	Houston, TX	1000
WRAP	Norfolk, Va.	5000
KTAC	Tacoma, Wash.	1000
860—348.6		
WHRT	Hartselle AL	2500
WAMI	Opp AL	1000
KIFN	Phoenix AZ	1000
KOSE	Oseola AR	1000
KYRF	Warren AR	2500
KRFB	Modesto, Calif.	1000
WAZE	Clearwater, Fla.	5000
WKKO	Cocoa, Fla.	1000
WERD	Atlanta, Ga.	1000
WDMG	Douglas, Ga.	5000
WDOM	Marion, Ind.	2500
WVTC	Muscatine, Iowa	2500
KOAM	Pittsburg, KS	1000r
WSON	Henderson, KY	5000
WAYE	Baltimore, Md.	1000
WBSG	Gt. Barrington, Mass.	2500
KNUJ	New Ulm, Minn.	1000
KRNS	Belen, NM	2500
WFMG	Fairmont, N.C.	1000
WQXZ	Taylorsville NC	2500
KSHA	Medford, Oreg.	1000
WYJZ	Pittsburgh, PA	1000
WTEL	Philadelphia, Pa.	1000
WUCR	Sparta TN	1000
WLCB	Laurens, S.C.	1000
WFST	Ft. Stewart, Tex.	2500
KPAN	Hereford, Tex.	2500
KSFA	Nacogdoches, Tex.	1000
KONO	San Antonio, Tex.	5000
KWHO	Salt Lake City, Utah	1000
WEVA	Emporia, Va.	1000
WQAY	Oak Hill, W.Va.	1000
WNVO	Milwaukee, Wis.	2500
870—344.6		
KJME	Glendale, CA	5000
KAIW	Honolulu, Hawaii	5000
WVLE	New Orleans, La.	5000
WKAR	E. Lansing, Mich.	1000
WCHU	Ithaca, N.Y.	5000
WGTL	Kannapolis NC	1000
WHOA	San Juan, P.R.	5000
KJIM	Forth Worth, TX	2500
WFLD	Farmville, Va.	1000
880—340.7		
KRVN	Lexington, NE	5000
WBCS	New York, N.Y.	5000
WRZ	Clinton, NC	1000
WRFD	Worthington, Ohio	5000
890—336.9		
WLS	Chicago, Ill.	5000
WHNC	Henderson, N.C.	1000
KBYE	Okla. City, Okla.	1000
900—333.1		
WATV	Birmingham AL	1000
WGOZ	Mobile AL	1000
WOZK	Ozak AL	1000
KFRB	Fairbanks AK	1000
KHOZ	Harrison AR	1000
KBIF	Fresno, Calif.	1000
KGRB	West Covina, CA	5000
WGOV	Georgetown, Del.	5000
WSWN	Belle Glade, Fla.	1000
WMOP	Ocala, Fla.	1000
WJTH	Calhoun, GA	1000
WBML	Macon GA	2500
WEAS	Savannah, Ga.	5000
KSLG	Whitcha, KS	1000
WLA	Louisville, Ky.	5000
WLS	Pikeville, Ky.	5000
KREH	Oakdale, La.	2500
WKXA	Brunswick, ME	1000
WLMD	Laurel, Md.	1000
KWTC	Gaylord, Mich.	1000
WATIS	Minneapolis, Minn.	1000
WDDT	Greenville, Miss.	1000

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
WTAD Quincy, Ill.		5000	WJAZ Albany, Ga.		5000d	KVRN Sonora TX		1000d	WSPT Stevens Pt., Wis.		1000d
WHON Centerville, Ind.		5000	WRFC Athens, Ga.		5000	KSCV Richfield, Utah		5000d			
WKOT Bowling Green, Ky.		5000	KSRA Salmon, Idaho		1000d	WFHG Bristol, Va.		5000	1020—293.9		
WFMD Frederick, Md.		5000	WDLM E. Moline, Ill.		1000d	WMKE Chase City, Va.		5000d	KTNQ Los Angeles, CA		5000
WREB Holyoke, Mass.		5000	WSBT South Bend, Ind.		5000	KUTI Yakima, Wash.		5000d	WCIL Carbondale, Ill.		1000d
WBCK Battle Creek, Mich.		5000	KSHS Shenandoah, Iowa		5000	WBW Weston, W.Va.		1000d	WCWF Peoria, Ill.		1000d
KKIN Aitkin, Minn.		1000d	WPRT Prestonsburg, Ky.		5000d	WCUB Manitowoc, Wis.		1000d	KBCQ Roswell, Ga.		5000d
WSLI Jackson, Miss.		5000	KROF Abbeville, La.		1000d	WNB1 Park Falls, Wis.		1000d	KDKA Pittsburgh, Pa.		5000d
KWOC Poplar Bluff, Mo.		5000	WB0C Sallsbury, Md.		5000	WPRE Prairie du Chien, Wis.		1000d			
KYSS Missoula, Mont.		5000d	WFGL Fitchburg, Mass.		1000				1030—291.1		
KOGA Ogallala, NE		500	WHAK Rogers City, Mich.		5000d				WBZ Boston, Mass.		5000d
KCCC Carlsbad, N.M.		1000d	KLTF Little Falls, Minn.		5000	WEIS Centre AL		250d	KCTA Corpus Christi, Tex.		5000d
WNBH Rochester, N.H.		5000	WABG Greenwood, Miss.		1000	WWWF Fayette AL		1000d	KANC Anchorage, AK		1000d
WPAT Paterson, N.J.		5000	KFVS Cape Girardeau, Mo.		5000	WTCB Flematon AL		5000d	WOSO San Juan, PR		10,000
WBEN Buffalo, N.Y.		5000	KFLN Baker, Mont.		5000d	KTKT Tucson AZ		10000r	KTWO Casper, WY		5000d
WIZR Johnstown, N.Y.		1000d	KNEB Scottsbluff-Gering, NE		1000r	KKIS Pittsburg, Calif.		5000			
WSDC Charlotte, N.C.		5000	KWYK Farmington NM		5000d	KTYD Santa Barbara, CA		1000d	1040—288.3		
WITN Washington, N.C.		5000	WEAV Plattsburg, N.Y.		5000	KLIR Denver, Colo.		1000d	KFBC Dallas, TX		1000d
WEOL Elyria, Ohio		1000	WFTC Kingston, N.C.		5000	WNTY Southington, Conn.		5000d	KHUU Honolulu, HI		1000d
WKY Oklahoma City, Okla.		5000	WWST Wooster, Ohio		1000d	WHD0 Orlando, Fla.		5000	WHO Des Moines, Iowa		5000d
KAGI Grants Pass, Oreg.		5000	KGWA Enid, Okla.		1000	WDWD Dawson, Ga.		1000d			
KSWB Seaside, Ore.		1000d	KLAD Klamath Falls OR		5000	WGML Hinesville, Ga.		250d	1050—285.5		
WCNR Bloomsburg, PA		1000	WHYL Carlisle, Pa.		5000d	WGUN Atlanta GA		50000d	WRFS Alexander City, Ala.		1000d
WEKO Cabo Rojo, PR		500	WKZA Kane, Pa.		1000d	KPD1 Honolulu HI		1000d	WCRB Scottsdale, Ariz.		250d
KSDN Aberdeen, SD		5000r	WATS Sayre, Pa.		1000d	WRNK Clark, Ill.		1000d	KSQB Little Rock, AR		1000
WSEV Sevierville, Tenn.		1000d	WBEU Beaufort, S.C.		1000d	WERT Jasper, Ind.		1000d	KBBV Big Bear Lake, CA		250d
KDET Center, Tenn.		1000d	WBMC McMinnville, Tenn.		5000	WIKZ Muncie, Ind.		250d	KOFY San Mateo, Calif.		1000d
KITE Terrell Hills, Tex.		5000	KIMP Mt. Pleasant, Tex.		1000d	KAYL Storm Lake, Iowa		250d	KWSO Wasco, Calif.		1000d
WLLL Lynchburg, Va.		5000d	KYK1 San Angelo, Tex.		5000	KRSL Russell, Kans.		250d	WJSB Crestview, Fla.		1000d
KBFW Bellingham, Wash.		5000d	KAYK Provo, UT		5000	WNNR New Orleans LA		250d	WJSC Jacksonville FL		5000d
KQOT Yakima, Wash.		1000d	WFR Roanoke, Va.		5000	KRIH Rayville, La.		250d	WBHO Tampa, Fla.		250d
WGNT Huntington, W.Va.		5000	KALF Richland WA		5000	WNRN Clark, Ill.		250d	WAUG Augusta, Ga.		5000d
KROE Sheridan, Wyo.		1000d	WTCH Shawano, Wis.		1000	WABO Waynesboro, Miss.		1000d	WMNZ Montezuma, Ga.		250d
WBL Aburndale, Wis.		5000d				KRMO Monett, Mo.		250d	WZJ Decatur, Ill.		1000d
						WEEB Southern Pines, N.C.		5000d	WTCA Plymouth, Ind.		250d
						WBTB Windsor NC		1000	KUPK Garden City, Kan.		5000d
						WJH Gallipolis, Ohio		1000d	WNES Central City, Ky.		5000
						WTG Massillon, Ohio		250d	KLPL Lake Providence, La.		250d
						KRK1 Albany, Oreg		250d	KVPI Villa Platte, La		250d
						WZDZ Philadelphia PA		5000d	WMSG Oakland, Md.		5000
						WVSC Somerset, Pa.		5000d	WGAY Silver Spring Md		1000d
						WPR4 Mayaguez, P.R.		1000	WPAG Ann Arbor, Mich.		5000d
						WLKW Providence, R.I.		50000d	KLOH Pipestone, Minn.		1000d
						WAKN Aiken, S.C.		1000d	WACH Columbus, Miss.		1000d
						WNOX Knoxville, Tenn.		1000d	KMSL Portageville, Mo.		1000d
						KWAM Memphis, Tenn.		10000r	KSIS Sedalia, Mo.		1000d
						KTRM Beaumont, Tex.		1000	WBNC Conway, N.H.		1000d
						KAML Kenedy-Karnes City, Tex.		250d	WSCP Peterborough, N.H.		1000d
						KNIN Wichita Falls, Tex.		1000d	WSEN Baldwinsville, N.Y.		1000d
						KDYL Tooele, Utah		1000d	WYBG Massena, N.Y.		1000d
						WNRV Narrows, Va.		5000d	WHN New York, N.Y.		5000d
						WANT Richmond, Va.		1000d	WFSC Franklin, N.C.		1000d
						WNOO Wisconsin Dells, WI		5000	WLOL Lincolnton, N.C.		1000d
									WVGP Sanford, N.C.		1000d
									WZIP Cincinnati, Ohio		1000d
									KCCO Lawton, Okla.		250d
									KFMJ Tulsa, Okla.		1000d
									KORR Eugene, Ore.		1000d
									WBTU Butler, Pa.		250d
									WLKC Everett, Pa.		250d
									WLYC Williamsport, Pa.		1000d
									WGSB Pastilio, P.R.		1000d
									WCMG Sparta, Tenn.		1000d
									KIXS Killen TX		250d
									WJAL Conway, SC		1000d
									KPKX Liberty, Tex.		250d
									KCAS Slaton, Tex.		250d
									WGAT Gate City, Va.		1000d
									WBRG Lynchburg, Va.		1000d
									WCGS Norfolk, Va.		5000d
									KBLE Seattle, Wa		5000d
									WADC Parkersburg, WV		5000d
									KQKH Eau Claire, Wis.		1000d
									WKAU Kaunawa, Wis.		1000d
									WLIP Kenosha, Wis.		250d
									KWIV Douglas, WY		1000r
									1060—282.8		
									KKKK Tempe AR		5000
									KAYR Van Buren AR		1000d
									KPAY Chico, Calif.		1000d
									KLMO Longmont, Colo.		10000d
									WRMF Titusville, FL		10000r
									WXLX Milldeville, GA		1000d
									WKNG Dalton, GA		2500d
									KBGN Caldwell, ID		10000d
									WMCL McLeansboro IL		2500d
									WRHL Rochelle, Ill.		250d
									WJKY Jamestown, Ky.		1000d
									WNOE New Orleans LA		50000r
									WGTR Natick, Mass.		1000d
									WHFB Benton Harbor, Mich.		5000d
									ST Joseph, Mich.		5000d
									WBMB West Branch, MI		1000d
									KVKK Hibbing, MN		5000d
									KF1L Preston, Minn.		1000d
									WKVK Hibbing, MN		5000d
									WJLJ Tupelo, Miss.		250d
									KBUG Springfield MO		500d
									KNLV Ord, Neb.		1000d
									WGQX Mebane, N.C.		1000d
									WMAP Monroe, N.C.		1000d
									WLAB St. Pauls NC		250d
									WCOK Sparta, N.C.		250d
									WQID Canton, Ohio		1000d
									KYWH Philadelphia, Pa.		5000d
									WALD Waterboro, S.C.		1000d
									KGFS Pierre, SD		10,000d
									WNPC Newport TN		1000d
									WPHC Waverly, Tenn.		1000d
									KAMA El Paso, TX		10000d
									KHWN Gilmer, TX		1000d
									KGLT Lockhart, TX		250d
									KRWT Winters TX		1000d
									KRSP Salt Lake City, Utah		10000d
									1070—280.2		
									WAPI Birmingham AL		50000r
									KNX Las Angeles, Calif.		50000
									WANM Tallahassee, FL		10000d
									WIBC Indianapolis, Ind.		5000d
									KLR Estherville, Iowa		2500d
									KFDI Wichita, Kans.		1000d
									WSRG Elkton, KY		5000
									KHMG Hannibal, Mo.		5000
									KERR Polson, MT		25000r

U.S. AM STATIONS BY FREQUENCY

Table with 3 columns: Call, Location, W.P. Includes stations like WKMB Stirling, NJ 250d; WKOR Plattsburgh, N.Y. 5000d; WSCP Sandy Creek-Pulaski, NY 2500d.

1080-277.6

Table with 3 columns: Call, Location, W.P. Includes stations like WKAC Athens, AL 8000d; KANC Anchorage, AK 1000d; WSCD Santa Cruz, Calif. 5000d.

1090-275.1

Table with 3 columns: Call, Location, W.P. Includes stations like KAAY Little Rock, AR 5000d; KNCR Fortuna, Cal. 10000d; KAAT Denver, CO 5000d.

1100-272.6

Table with 3 columns: Call, Location, W.P. Includes stations like KFAX San Francisco, CA 5000d; KREX Grand Junction, Colo. 5000d.

1110-270.1

Table with 3 columns: Call, Location, W.P. Includes stations like WBCA Bay Minette, AL 10000d; WGBL Centerville, AL 1000d; WFBF Clinton, AR 1000d.

Table with 3 columns: Call, Location, W.P. Includes stations like WSLV Ardmore, Tenn. 1000d; WYAT Pikesville, TN 250d; KDRI Atam Heights, Tex. 1000d.

1120-267.7

Table with 3 columns: Call, Location, W.P. Includes stations like WUST Washington, DC 1000d; KMOX St. Louis, Mo. 5000d; WYOL Buffalo, N.Y. 1000d.

1130-265.3

Table with 3 columns: Call, Location, W.P. Includes stations like KRDU Dinuba, Calif. 1000d; KRSD San Diego, Cal. 5000d; WPUL Bartow, Fla. 1000d.

1140-263.0

Table with 3 columns: Call, Location, W.P. Includes stations like KRAK Sacramento, Calif. 5000d; KVL1 Lake Isabella, CA 500d; KNAB Burlington, Colo. 1000d.

1150-260.7

Table with 3 columns: Call, Location, W.P. Includes stations like WGEA Geneva, AL 1000d; WJRD Tuscaloosa, AL 500d; KABN Long Island, AK 1000d.

Table with 3 columns: Call, Location, W.P. Includes stations like KILS Los Angeles, CA 5000r; KBAI Morro Bay, Cal. 500d; KPLS Santa Rosa, Calif. 5000d.

Table with 3 columns: Call, Location, W.P. Includes stations like WIMA Lima, Ohio 1000d; KNEO McAlester, Okla. 1000d; KAGO Klamath Falls, Ore. 5000d.

Table with 3 columns: Call, Location, W.P. Includes stations like KN01 Pullman, WA 1000d; KAYO Seattle, Wash. 5000d; WABH Churchville, VA 1000d.

1160-258.5

Table with 3 columns: Call, Location, W.P. Includes stations like WJJD Chicago, Ill. 50000d; WBNQ Barceloneta, PR 1000d; KSL Salt Lake City, Utah 50000d.

1170-256.3

Table with 3 columns: Call, Location, W.P. Includes stations like WCOV Montgomery, AL 10000r; KJNP North Pole, AK 5000d; KCBQ San Diego, CA 5000r.

1180-254.1

Table with 3 columns: Call, Location, W.P. Includes stations like WLDS Jacksonville, Ill. 1000d; KOFI KallsPELL, Mont. 5000d; WHAM Rochester, N.Y. 5000d.

1190-252.0

Table with 3 columns: Call, Location, W.P. Includes stations like WYAD Ozark, AL 1000d; KRDS Tolleson, AZ 280; KMCW Augusta, AR 500d.

1200-249.9

Table with 3 columns: Call, Location, W.P. Includes station W0A1 San Antonio, Tex. 5000d.

1210-247.8

Table with 3 columns: Call, Location, W.P. Includes stations like KZOO Honolulu, Hawaii 1000d; WJLY Centralia, Ill. 1000d; WJLV Lansing, Mich. 10000d.

1220-245.8

Table with 3 columns: Call, Location, W.P. Includes stations like WBUL Birmingham, AL 1000d; WABF Fairhope, AL 1000d; KVSA McGehee, AR 1000d.

Table with 3 columns: Call, Location, W.P. Includes stations like WKMT Kings Mtn., N.C. 1000d; WREY Ridsville, N.C. 1000d; WENC Whiteville, N.C. 5000d.

1230-243.8

Table with 3 columns: Call, Location, W.P. Includes stations like WAUD Auburn, AL 1000r; WJBB Hickory, AL 1000r; WBHP Huntsville, AL 1000r.

Table with 3 columns: Call, Location, W.P. Includes stations like WBYV Pensacola, Fla. 1000d; WCNH Quincy, Fla. 1000d; WJNO West Palm Beach, FL 1000r.

Table with 3 columns: Call, Location, W.P. Includes stations like KZOO Honolulu, Hawaii 1000d; WJLY Centralia, Ill. 1000d; WJLV Lansing, Mich. 10000d.

Table with 3 columns: Call, Location, W.P. Includes stations like W0A1 San Antonio, Tex. 5000d; KZOO Honolulu, Hawaii 1000d; WJLY Centralia, Ill. 1000d.

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
WFIG	Sumter, S.C.	1000	WFAH	Alliance, Ohio	1000d	WFBC	Greenville, S.C.	5000	WNCO	Ashland, O.	1000
WATO	Oak Ridge, Tenn.	5000	KNPT	Newport, Oreg.	5000	WAEW	Grossville, Tenn.	1000d	WOUB	Athens, OH	500r
KWGH	Big Lake, Tex.	1000d	WAYC	Bedford PA	5000d	WTRO	Dyersburg, Tenn.	5000	WIZE	Springfield, Ohio	1000
KIVY	Crockett, Tex.	1000d	WGS	Ephrata, Pa.	5000d	KMLI	Cameron, Tex.	5000	WSTY	Steuenville, Ohio	1000
KRGV	Westlaco, Tex.	5000	WNAE	Warren, Pa.	5000	KSWA	Graham, Tex.	5000	KIHN	Hugo, Okla.	1000
KTRN	Wichita Falls, Tex.	5000	WKDK	Kingstree, S.C.	5000d	KINE	Kingsville, Tex.	1000d	KOBY	Oklahoma City, Okla.	1000
WPVA	Colonial Hgts., Va.	5000	WDD	Chattanooga, Tenn.	5000	KVVM	Monahans, Tex.	5000	KTOY	Sand Springs, Okla.	1000
WAGL	Leesburg, Va.	1000d	WDJ	Jackson, Tenn.	5000	KZAK	Tyler, Tex.	1000d	KLOO	Corvallis, Oreg.	1000
WNLB	Rocky Mount, VA	1000d	WBNT	Onelida, Tenn.	1000d	WBTM	Danville, Va.	5000	KWVR	Enterprise, Oreg.	250
WVOV	Logan, W.Va.	5000	KZIP	Amarillo, Tex.	1000d	WRAA	Luray, Va.	1000d	KIHR	Hood River, Ore.	1000
KAPY	Port Angeles, Wash.	1000d	KAAAM	Dallas TX	1000d	WOLD	Marion, Va.	1000d	KBBR	N. Bend, Ore.	1000
WZUU	Milwaukee WI	1000d	KOYL	Odessa, Tex.	1000d	WESR	Tasley, Va.	5000d	WCVI	Connellsville, Pa.	1000
WCOW	Sparta, Ws.	5000d	KBCU	San Antonio, Tex.	5000	KMBI	Spokane, WA	5000d	WVAJ	Grove City, Pa.	1000
KOWB	Laramie, Wyo.	5000	WGH	Newport News, Va.	5000	WETZ	New Martinsville, W.Va.	1000d	WHAT	Philadelphia, Pa.	1000
WRR	Fredericksted, VI	500d	KARY	Prosser, Wash.	1000d	WHBL	Sheboygan, Wis.	5000	WRWA	Reading, Pa.	1000
			WSLW	White Sulphur Springs, WV	1000d	KOVE	Lander, Wyo.	5000	WTRN	Tyrone, Pa.	1000
			WIBA	Madison, Wis.	5000				WBRE	Wilkes-Barre, Pa.	1000
									WWPA	Williamsport, Pa.	1000
1300—230.6			1320—227.1			1340—223.7			WUNA	Aquadilla, P.R.	1000
WBSA	Boaz, AL	1000d	WENN	Birmingham, AL	5000d	WKUL	Cullman AL	1000r	WUKE	Charleston, S.C.	1000
WTLS	Tallahassee, AL	1000d	WAGF	Dothan, AL	1000	WXOR	Florence AL	1000r	WRHI	Rock Hill, S.C.	1000
WEQZ	Winfield, AL	1000d	KAWC	Yuma, AZ	5000	WAMA	Selma AL	1000r	WSSC	Sumter, S.C.	1000
KHAC	Windor Park AZ	1000r	KWHN	Fort Smith AR	5000	WFEB	Sylacauga AL	1000r	KIJV	Huron, SD	1000r
KWCK	Searcy, AR	1000d	KRLW	Walnut Ridge, AR	1000d	KIKO	Miami AZ	1000r	KTOQ	Rapid City, SD	1000
KROP	Brawley, CA	1000r	KHSJ	Hemet, Calif.	800d	KFBP	Nogales AZ	250	WBAC	Cleveland, Tenn.	1000
KYNO	Fresno, Calif.	5000	KHJ	Long Beach, Calif.	1000d	KDPR	Flagstaff AZ	1000	WKRM	Columbia, Tenn.	1000
KMFB	Mendocino, CA	5000d	KUDE	Oceanside, Calif.	5000	KBT	Flagstaff AZ	1000	WGRV	Greenville, Tenn.	1000
KWKW	Pasadena, CA	5000r	KGNR	Sacramento CA	5000	KZNG	Hot Springs AR	1000	WKGN	Knoxville, Tenn.	1000
KVOR	Colorado Springs, Colo.	5000	KAVI	Rocky Ford, Colo.	1000d	KCAT	Pine Bluff AR	1000r	WLOK	Memphis, Tenn.	1000
WAVZ	New Haven, Conn.	1000	WATR	Waterbury, Conn.	5000	KBRS	Springdale, AR	1000r	WCDT	Winchester, Tenn.	1000
WMOB	Cocoa Beach FL	5000	WGMA	Hollywood, Fla.	5000	KATA	Arza CA	1000r	KWKX	Abilene, Tex.	1000
WFFG	Marathon, Fla.	500	WVDJ	Jacksonville, Fla.	5000	KWXY	Cathedral City, CA	1000r	KHLB	Burnett TX	1000
WSOL	Tampa, Fla.	5000d	WVOJ	Vero Beach, Fla.	5000	KWKR	Fresno, Calif.	1000	KARB	Corona, Tex.	1000
WMTM	Moultrie, Ga.	5000d	WHIE	Griffin, Ga.	5000d	KDOJ	Mojave, Ca.	500r	KSET	El Paso, Tex.	1000
WNEA	Newnan, Ga.	5000	WKAN	Kankakee, Ill.	1000	KSFE	Needles CA	1000r	KLBK	Lubbock, Tex.	1000
WIND	Winder, Ga.	1000d	KNIA	Knoxville, Iowa	5000	KORV	Oroville CA	1000r	KRBA	Lufkin, Tex.	1000
KOZE	Lewiston, Idaho	5000	KMAQ	Maquoketa, Iowa	5000	KATY	San Luis Obispo, CA	1000r	KPDN	Pampa, Tex.	1000
WTAQ	La Grange, Ill.	5000	KLWN	Lawrence, Kans.	5000	KIST	Santa Barbara CA	1000r	KOLE	Port Arthur, TX	1000r
WFRX	W. Frankfort, Ill.	1000d	WBRT	Bardonia, Ky	1000d	KOMY	Watsonville, CA	1000	KTEO	San Angelo, Tex.	1000
WHLT	Huntington, Ill.	5000	WBRF	Bardonia, Ky	1000d	KOEN	Denver, Colo.	1000	KVIC	Victoria TX	250
WAAC	Terre Haute, Ind.	5000	WMLN	Lemoore, Calif.	1000d	KDJR	Lake City, Fla.	1000	WMTI	Manti, VT	1000
KGLO	Mason City, Iowa	5000	WNGO	Mayfield, Ky.	1000	KVRH	Salida, Colo.	1000	WTVN	St. Johnsbury, Vt.	1000
WBLM	Lexington, Iowa	2500	KIKS	Sulphur, LA	500	WYCB	Washington DC	1000	WSTA	Charlotte Amalie, V.I.	250
WBR	Baton Rouge, LA	5000i	KNCB	Vianna, LA	5000d	WNHC	New Haven, Conn.	1000	KMTI	Manti, UT	1000r
KFLO	Shreveport, LA	500	WICO	Salisbury, Md.	1000d	WTAN	Clearwater, FL	1000	WKCY	Covington, Va.	1000
WCFB	Baltimore, MD	5000	WARA	Attleboro, Mass.	1000	WSLC	Clermont FL	200d	WHAP	Hopewell, Va.	1000
WFTN	Potomac-Cabin John MD	1000	WLSL	Lansing, Mich.	5000	WRDQ	Daytona Beh., Fla.	1000	WJMA	Orange, Va.	1000
WIDA	Quincy, Mass.	1000d	WMI	Marquette, Mich.	5000	KDPR	Lake City, Fla.	1000	WAKO	Anacostia, Wash.	1000
WOOD	Grand Rapids, Mich.	5000	WRJW	Picayune, Miss.	5000d	WTYS	Marianna, Fla.	1000	KOTY	Kennewick, WA	1000
WQPN	Princeton, MN	1000d	WKPG	Port Gibson, MS	5000	WPBR	Palm Beach, FL	1000r	KAPA	Raymond, Wash.	1000
WRBC	Jackson, Miss.	5000	WVLY	Water Valley, Miss.	5000	WSEB	Sebring, Fla.	1000	KVWW	Wenatchee, WA	1000r
KMMO	Marshall, Mo.	1000d	KOZY	Grand Rapids MN	5000	WFSH	Valparaiso, Fla.	1000	WHAR	Clarksburg, W.Va.	1000
KBRL	McCook, NE	5000d	KXLW	Clayton, MO	1000	WIGO	Atlanta, Ga.	1000	WEPM	Martinsburg, W.Va.	1000
KPTL	Carson City, NV	5000r	KOLT	Scottsbluff, Nebr.	5000	WKAG	Athens, Ga.	1000	WIDN	Montgomery, W.Va.	1000
WPHN	Plymouth, NH	1000d	KCLU	Roswell, N.Y.	1000d	KDPR	Augusta, Ga.	1000r	KWEI	Weich, W.Va.	1000
WNTN	Trenton NJ	1000d	WHHO	Hornell NY	5000	WGAA	Carderwont, Ga.	1000	WLDY	Ladysmith, Wis	1000
KOBC	Fulton, N.Y.	1000d	WAGY	Forest City, N.C.	1000d	WOKS	Columbus, Ga.	1000	WBCS	Milwaukee WI	1000
WXRL	Lancaster, NY	1000d	WCOG	Greensboro, N.C.	5000	WBBT	Lyons, Ga.	1000	KSGT	Jackson, Wyo.	1000
WQBK	Rensselaer, NY	5000d	WKRK	Murphy, N.C.	5000d	WTFI	Tifton, Ga.	1000	KYCN	Wheatland, Wyo.	250
WGR	Spring Valley, NY	5000d	WEWE	Washington, N.C.	500d	KSKJ	Hailey, Idaho	1000	KWOR	Worldand, Wyo.	1000
WYNG	Goldsboro, N.C.	1000d	WMI	Mint, N.D.	5000	KALB	Nampa, Idaho	1000			
WLN	Laurinburg, N.C.	5000	WHOK	Lancaster, Ohio	1000d	KACH	Preston, ID	1000			
WSDT	Mt. Airy, N.C.	5000	WORL	Oberlin, OH	1000	WSOY	Decatur, Ill.	1000			
WERE	Cleveland, Ohio	5000	KWDE	Cilfnton, Okla.	1000d	WHPI	Herrin IL	1000			
WVMO	Mt. Vernon, Ohio	5000	KATR	Eugene, Ore.	1000d	WJOL	Joliet, Ill.	1000			
KXXO	Tulsa, OK	5000	WKAP	Allentown, Pa.	5000	WBIV	Bedford, Ind.	1000	WELB	Elba AL	1000d
KAGI	The Dalles, Oreg.	1000d	WGET	Gettysburg, Pa.	5000	WBED	Bedford, Ind.	1000	WGDG	Gadsden AL	5000r
KRVB	Medford, OR	5000d	WPTT	Pittsburg, Pa.	5000	WBWC	Wintona, Ind.	1000	WYLS	York AL	5000d
WQCH	Clifton, OR	5000	WSCR	Scranton, Pa.	1000	WRIC	Richmond, Ind.	1000	KLYD	Bakersfield, Calif.	1000d
WHZN	Hazlet, Pa.	1000d	WUNO	Rio Piedras, P.R.	5000	KROS	Clinton, Iowa	1000	KCKC	San Bernardino, CA	5000r
WTIL	Maryavet, P.R.	1000	WIOC	Columbia, S.C.	5000	KCKN	Kansas City, Kans.	1000	KSRQ	Santa Rosa, Calif.	5000
WLOW	Aiken, S.C.	5000	KELO	Sioux Falls, S.Dak.	5000	KSEK	Pittsburg, Kans.	1000	KKAM	Pueblo, Colo.	5000
WCKI	Greer, S.C.	1000d	WKIN	Kingsport, Tenn.	5000d	WCM1	Ashland, Ky.	5000	WNLK	Norwalk, Conn.	1000
WKSC	Kershaw, S.C.	600d	WMSR	Manchester, Tenn.	5000d	WBGJ	Bowling Green, Ky.	1000	WVNY	Putnam, Conn.	1000d
KOLY	Mobridge, S.D.	5000d	WKNC	Charlotte, N.C.	1000d	WBCD	Hindman, Ky.	1000	WCWR	Cocoa FL	1000
WMTN	Morristown, Tenn.	5000d	KXPZ	Salt Lake City, Utah	5000	WNSB	Murray, Ky.	1000	WDCY	Dade City, FL	1000r
WMAK	Nashville, Tenn.	5000	WCVR	Randolph, Vt.	1000d	WEKY	Richmond, Ky.	1000	WDAI	Ft. Myers, Fla.	1000
KVET	Austin, Tex.	5000	WLGW	Lynchburg, Va.	1000d	KRMD	Bastrop, La.	1000	WBSG	Blackshear, Ga.	5000
KKUB	Brownfield, Tex.	1000d	WRET	Richmond, VA	5000d	WFAU	Augusta, Maine	1000	WAVC	Warner Robins, Ga.	5000
KLAR	Laredo, Tex.	1000d	WRR	Fredericksted, VI	5000r	WDM	Dover-Foxcroft, ME	1000	KTOH	Lihue, Hawaii	5000d
KKAS	Silsbee, Tex.	500d	WHRT	Abbeville, WA	5000r	WLVC	Ft. Kent, ME	250	KRLC	Lewistown, Ida.	5000
KSTU	Logan, Utah	1000	WHIT	Walla Walla Wash.	1000d	WHOU	Houlton, Maine	1000	WXCL	Peoria, Wash	5000
KGNY	Harrisonburg, Va.	5000d	WFHR	Wisconsin Rapids, Wis.	5000	WGAW	Gardner, Mass.	1000	WJBD	Salem, Ill.	5000
KMPS	Seattle, WA	5000				WNBH	New Bedford, Mass.	1000	WIDU	Kokomo, Ind.	5000
WCLG	Morgantown, W.Va.	1000d							KVRS	Rock Springs, Wyo.	1000
WKLC	St. Albans, W.Va.	1000d							KRNT	Des Moines, Iowa	5000
WLDT	Marlinette WI	1000d							KMAN	Manhattan, Kans.	500d
1310—228.9			1330—225.4			WBRR	Pittsfield, Mass.	1000	WLDU	Louisville, Ky.	5000d
WHEP	Foley AL	1000d	WRQS	Scottsboro AL	1000d	WLEW	Bad Axe, Mich.	1000	WSMB	New Orleans, La.	5000
WJAM	Marion AL	5000d	KHYT	Tucson AZ	5000	WLAV	Grand Rapids, Mich.	1000	WJEB	Gladwin, MI	1000d
KQXE	Mesa, AZ	5000r	KVEE	Conway AR	5000	WCSS	Hillsdale, MI	1000	WH1	Howell, Mich.	500
KBOK	Malvern AR	1000d	KLOM	Lompoc, Cal.	1000d	WMT	Manistee, Mich.	1000	KCHK	New Prague, MN	5000d
KIOT	Barstow, Calif.	5000d	KFAC	Los Angeles, Calif.	5000	WAGN	Menominee, Mich.	1000	KDIO	Ortonville, Minn.	1000d
KPOD	Crescent City CA	1000	KLBS	Los Banos, Calif.	5000d	WMBN	Benoni, Mich.	1000	WCMP	Pine City, Minn.	1000d
KDIA	Oakland, Cal.	1000	KCLM	Redding, Cal.	5000d	WEXL	Royal Oak, Mich.	1000	WKCU	Corinth, Miss.	1000
WFTF	Taft, Calif.	5000d	WFTF	Ft. Pierce, FL	1000r	WVXL	Vealeth, Minn.	1000	WKOZ	Kosciusko, Miss.	5000
KFKA	Greeley, Colo.	1000d	WFSB	Lakeland, Fla.	1000d	KVBR	Brainerd, Minn.	1000	KCHR	Charleston, Mo.	1000d
WICH	Norwich, Conn.	5000	WCVC	Tallahassee, FL	5000d	KDLM	Detroit Lakes, Minn.	1000	KBRX	O'Neill, Nebr.	1000d
WKKX	Deland FL	5000d	WPP1	Carrollton, GA	500d	WEVE	Eveleth, Minn.	1000	WLNH	Laconia, N.H.	5000d
WGKR	Perry, Fla.	1000d	WMLT	Dublin, Ga.	5000	KROC	Rochester, Minn.	1000	WHWH	Princeton, N.J.	5000
WAUC	Wauchula, Fla.	500d	WEAW	Evanston, Ill.	5000d	KWLM	Willmar, Minn.	1000	KABQ	Albuquerque, N.M.	5000
WXLL	Decatur, Ga.	5000	WRAN	Monmouth, Ill.	1000d	KWMB	Brookhaven, Miss.	1000	WCBA	Corning, N.Y.	1000d
WOKA	Douglas, Ga.	1000d	WRRR	Rockford, Ill.	1000d	KLID	Poplar Bluff, Mo.	1000	WRNY	Rome, N.Y.	500d
WBRQ	Waynesboro, Ga.	1000d	WJPS	Evansville, Ind.	5000	KSMO	Salem, Mo.	1000	WBMS	Black Mountain, N.C.	500d
WZZZ	West Point, GA	1000d	WTR	Greensburg IN	5000	KICX	Springfield, Mo.	1000	WHIP	Mooresville, N.C.	1000d
KNU1	Makawai, Hawaii	1000	WKWL	Waterloo, Iowa	5000	KCAP	Helena, Mont.	1000	WLLY	Wilson, N.C.	1000d
KLIX	Twin Falls, Idaho	5000	KFH	Wichita, Kans.	5000	KPRK	Livingston, Mont.	1000	KBMR	Bismarck ND	1000d
KDLS	Perry, Iowa	5000	WYGO	Corbin, Ky.	5000	KATL	Miles City, Mont.	1000	WLSR	Akron, O.	1000d
KOKX	Koosau, Ia.	1000	WMBR	Morhead, Ky.	1000d	KYLT	Missoula, Mont.	1000	WCSS	Celina, Ohio	5000
KWE	Indianapolis, IN	5000r	KVOL	Lafayette, La.	5000	KSHD	Fremont, Nebr.	500	WCHI	Chillicothe, Ohio	1000d
KFLA	Scott City, Kans.	5000	WHET	Waltham, MA	5000	KSID	Sidney, Nebr.	1000	KRHD	Duncan, Okla.	250
WTTL	Madisonville, Ky.	1000	WASA	Havre de Grace MD	5000	KRAM	Las Vegas, Nev.	1000	KTLQ	Talhequah, Okla.	1000d
WDOC	Prestonsburg, Ky.	5000d	WTRX	Flint, Mich.	5000	KRET	Revo, Nev.	1000	KDOV	Ashland OR	1000d
KE7M	Sulphur, LA	5000	WFRD	Minneapolis MN	5000	WDCR	Hanover, N.H.	1000	WJZY	York, PA	5000
KUZN	W. Monroe, La.	1000d	WRTF								

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
KRUX	Glendale, AZ	5000r	WIWS	South Hill, Va.	5000d	WEAM	Arlington, Va.	5000	WWSF	Loretto, PA	1000
KLYR	Clarksville AR	500d	KWNC	Quincy WA	1000d	WVOD	Lynchburg, Va.	5000	WKBI	St. Stephens, Pa.	1000
KFFA	Helena AR	1000d	WEIF	Moundsville, WV	5000d	WKLP	Kyver, W.Va.	1000d	WPCK	Saranton, Pa.	1000
KFIV	Modesto, CA	5000	WCCN	Neillsville, Is.	5000d	KBWL	Logan, VT	5000	WRAK	Williamsport, Pa.	1000
KZIQ	Ridgecrest, CA	1000d	KVVO	Cheyenne, Wyo.	1000d	KBBO	Yakima, WA	5000	WVOZ	Carolina, P.R.	500
KG San Diego, CA	5000r								WCOS	Columbia, S.C.	1000
WDRG	Hartford, Conn.	5000							WGTN	Georgetown, S.C.	1000
WGGL	Jacksonville, FL	5000							WKDY	Spartanburg, SC	1000
WKAT	Miami Beach, Fla.	5000							KBJM	Lemon, S.D.	1000
WZNG	Winter Haven FL	1000d							WJZM	Clarksville, Tenn.	1000
WAZA	Bainbridge, Ga.	1000d							WHUB	Cookeville, Tenn.	1000
WLAW	Lawrenceville, Ga.	1000d							WLSB	Copperhill, Tenn.	1000
WMAC	Metter, Ga.	500d							WKPT	Kingsport, Tenn.	1000
WYNN	Rome, Ga.	500d							WGAJ	Maryville, Tenn.	1000
WLBK	DeKalb, Ill.	1000d							WHAL	Shelbyville, Tenn.	1000
WYER	Mount Carmel, IL	500d							WAAN	Waynesboro TN	1000
WGFA	Watseka, Ill.	1000d							KRUN	Ballinger, Tex.	1000
KHAK	Cedar Rapids, Iowa	1000d							KBYG	Big Spring, Tex.	1000
KBBK	Fort Madison, Iowa	1000d							KUNO	Corpus Christi, Tex.	1000
KSDJ	Sioux City, Iowa	5000							KILE	Galveston TX	1000
KBTO	El Dorado, Kans.	5000							KGLG	Greenville, Tex.	1000
WFLW	Monticello, Ky.	1000d							KEBE	Jacksonville, Tex.	1000
KDIX	Mansfield, Ky.	1000d							KIUN	Pecos, Tex.	1000
KNIR	New Iberia, La.	1000d							KEYE	Perryton, Tex.	1000
KTLD	Tallulah, La.	500d							KVOP	Plainville, Tex.	1000
WEBB	Baltimore, MD	1000r							KDWT	Stamford, Tex.	1000
WNSR	Lynn, MA	1000d							KTEM	Temple, Tex.	1000
WKYO	Caro, MI	1000d							KTFB	Texarkana, Tex.	1000
WKMI	Kalamazoo, Mich.	5000							KVOU	Uvalde, Tex.	1000
KRWC	Buffalo MN	500d							KFTN	Provo, UT	1000
KKBJ	Bemidji MN	5000							WDOT	Burlington, Vt.	1000
KMRN	Cameron MO	500d							WELK	Charlottesville, Va.	1000
KLRS	Mountain Grove, Mo.	1000d							WHHV	Hillsville, Va.	1000
KICK	McCook, Nebr.	1000d							WPCE	Portsmouth, VA	1000r
WNWI	Newark, N.J.	1000d							WHLP	So. Boston, Va.	1000
WBBZ	Vineland, N.J.	1000d							WINC	Winston-Salem, Va.	1000
KRRR	Ruidoso, NM	5000d							KEDO	Longview, Wash.	1000
WKOP	Binghamton, N.Y.	5000							KRSC	Othello, Wash.	1000
WMNS	Olean, N.Y.	1000d							KTNT	Tacoma, Wash.	1000
WGHL	Chapel Hill NC	5000d							WBBN	Clarksburg, WV	1000r
KEYZ	Williston, N.D.	5000							WRON	Ronoverte, WV	1000r
WSAI	Cincinnati, Ohio	5000							WYRC	Spencer, WV	1000r
									WKWK	Winning, WV	1000
WWOW	Cincinnati, Ohio	500d							WBTH	Williamson, WV	1000r
KOHU	Hermiston, OR	1000							WATW	Ashland, WI	1000r
KUIK	Hillsboro, Oreg.	1000d							WJJK	Eau Claire WI	1000
WIXZ	McKeesport, Pa.	5000d							WSGU	Green Bay, WI	1000
WPPA	Pottsville, Pa.	5000							WRJN	Racine, WI	1000r
WCWQ	Camby, PA	1000r							WRDB	Rebersburg, WI	1000r
WYD	Easton, PA	1000							WRIG	Wausau, WI	1000
WLCM	Lancaster, S.C.	1000d							KATI	Casper WY	1000
WBLC	Lenoir City, Tenn.	1000							KODI	Cody, WY	1000r
WNAH	Nashville, Tenn.	1000d									
KQIZ	Amarillo, TX	500d									
KACT	Andrews, Texas	1000d									
KBUK	Baytown, TX	1000									
KRYT	Woodsboro, TX	1000									
KXOL	Ft. Worth, Tex.	5000									
WBOB	Galax, Va.	1000d									
WHBG	Harrisonburg, Va.	3000d									
KRKO	Everett, WA	5000u									
KMO	Tacoma, Wash.	5000									
WHJO	Mastawa, W.Va.	1000									
WMOV	Ravenwood, Va.	1000d									
WGEE	Green Bay, WI	5000									
WISV	Viroqua, Wts.	1000									
WMNE	Menomonee, Wis.	1000d									
KRRK	Rock Springs, WY	1000									

U.S. AM STATIONS BY FREQUENCY

Table with columns: Call, Location, W.P. (listing stations like WPEH, WLET, KCCN, etc.)

1430-209.7

Table with columns: Call, Location, W.P. (listing stations like WRMG, WFHK, KHAM, etc.)

1440-208.2

Table with columns: Call, Location, W.P. (listing stations like WHHY, KSGR, KHOG, etc.)

Table with columns: Call, Location, W.P. (listing stations like WRAJ, WRBA, WRPS, etc.)

1450-206.8

Table with columns: Call, Location, W.P. (listing stations like WDNG, WYAM, WDIG, etc.)

Table with columns: Call, Location, W.P. (listing stations like WNAT, WRBO, KFTW, etc.)

Table with columns: Call, Location, W.P. (listing stations like WMOH, WLEK, KWHW, etc.)

1460-205.4

Table with columns: Call, Location, W.P. (listing stations like WFMH, WPNX, KZOT, etc.)

Table with columns: Call, Location, W.P. (listing stations like WVOX, WAKG, WWSG, etc.)

1470-204.0

Table with columns: Call, Location, W.P. (listing stations like WBLU, WKAZ, KDEM, etc.)

1480-202.6

Table with columns: Call, Location, W.P. (listing stations like WARI, WBTS, WLBH, etc.)

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
WTLO	Somerset, Ky.	1000d	WWIL	Wilmington, NC		1510-199.1	KPCR	Bowling Green, Mo.	1000d		
KCKW	Jen. La.	500d	WEMJ	Laconia, N.H.	1000	KACJ	Greenwood, AR		KNAM	Butler, Mo.	500d
KANV	Jonesville, La.	500d	WUSS	Atlantic City, NJ	1000r	KDKB	Mesa, AZ	10000d	KECK	Lincoln, Neb.	5000d
KJOE	Shreveport, La.	1000d	KRSN	Los Alamos, N.Mex.	1000	KNSE	Ontario, CA	10000	WJDM	Elizabeth, N.J.	500d
WSAR	Fair River, Mass.	5000	KRAT	Raton, N.Mex.	1000	KIRV	Fresno, Cal.	500d	WRBX	Chapel Hill, N.C.	10000d
WMAX	Grand Rapids, Mich.	5000d	WCSS	Amsterdam, N.Y.	1000	KJIM	San Rafael, Calif.	1000	WOBR	Wanchese, N.C.	250d
WIOS	Tawas City-E. Tawas, Mich.	1000d	WBTA	Batavia, N.Y.	500	KDKK	Littleton, Colo.	1000	WCKY	Cincinnati, Ohio	5000d
WSDS	Ypsilanti, Mich.	500d	WKNY	Kingston, N.Y.	1000	WNLN	New London, Conn.	10000	KWOK	Wagoner, Ok	250d
KAUS	Austin, Minn.	1000	WICY	Malone, N.Y.	1000	WKAO	Boynton Beach, Fla.	1000	WCGW	Waco, Tex.	1000d
KEHG	Fosston, Minn.	5000d	WDLC	Port Jervis, N.Y.	1000	WWBC	Cocoa, Fla.	250d	WHPY	North East, Pa.	1000d
WECP	Carthage, MS	250d	WOLF	Syracuse, N.Y.	1000	WMIB	Marco Island, FL	1000	WVFC	McConnellsburg PA	
KPIA	Ironton, MO	5000d	WDUR	Durham, NC	1000	WINU	Highland IL	1000d	WMBT	Shenandoah PA	2500d
KDRO	Sedalia, Mo.	1000	WLOE	Eden, N.C.	1000	WJRC	Joliet, Ill.	500d	WUPR	Utahdo, P.R.	1000d
KGCX	Slidley, Mont.	5000	WFLB	Fayetteville, N.C.	1000	WKAT	Macomb, Ill.	1000d	WASC	Spartanburg, S.C.	1000d
KLMS	Lincoln, Neb.	1000	WRWB	New Bern, N.C.	1000	WAYT	Wabash, Ind.	250d	WJPI	Huntington, TN	1000d
KWSE	Hobbs, N.Mex.	5000	WRMT	Rocky Mount, N.C.	1000	KIFG	Iowa Falls, Iowa	1000	KGTN	Georgetown, Tex.	1000d
WLEA	Hornell, N.Y.	1000d	WSVP	Salisbury, N.C.	1000	KANS	Larned, Kan.	1000d	KAWS	Hemphill TX	
WJIT	New York, N.Y.		WSVM	Valdese, N.C.	1000	KAGY	Port Sulphur LA	1000d	KGBT	Harlingen, Tex.	5000d
WADR	Remsen, N.Y.	5000d	WHSL	Wilmington, N.C.	1000	WMEX	Boston, Mass.	5000d	KNBO	New Boston, TX	1000d
WAKO	Fair Bluff, N.C.	1000d	KNDC	Hettinger, N.D.	1000	WJCG	Jackson, Mich.	500d	KCLR	Ralls, Tex.	5000d
WAME	Charlotte, N.C.	5000	KQVC	Valley City, N. Dak.	1000	WLKM	Three Rivers, Mich.	500	WFCI	Collinsville VA	1000d
WYRN	Louisburg, N.C.	500d	WBYX	Chillicothe, Ohio	1000	WKPD	Prentiss, Miss.	1000d	WPWC	Quantico, VA	250d
WMSJ	Sylva, N.C.	5000d	WJMO	Cleveland Hghts., O.	1000	KCCV	Independence, Mo.	1000d	KRNC	Cheyenne, WY	1000d
WYDK	Yadkinville, N.C.	1000d	WOHI	E. Liverpool OH	1000	KEMM	Marshfield Mo.	250d			
WHBC	Canton, Ohio	5000	WMOA	Marietta, Ohio	1000	KTTT	Columbus, Nebr.	500d	1540-195.0		
WCIN	Cincinnati, Ohio	5000	WMRN	Marion, Ohio	1000	WRAN	Dover, N.J.	1000d	WCOX	Camden, AL	1000d
WTRA	Latrobe, Pa.	5000	KOKC	Guthrie, OK	500	WJIC	Salem, N.J.	1000	WANL	Lineville AL	1000d
WDAS	Philadelphia, Pa.	5000	KBIX	Muskogee, Okla.	1000	WLET	Brewster, N.Y.	1000d	WRSM	Sumiton AL	1000d
WISL	Shamokin, Pa.	1000	KRNR	Roseburg, Oreg.	1000	WEAL	Greensboro, N.C.	1000d	KASA	Phoenix, AZ	10000d
WSHP	Shippensburg, Pa.	500d	KBZY	Salem, Oreg.	1000	WEGG	Rose Hill, NC		KZRR	Ozark, AR	500d
WNEL	Caguas, P.R.	5000	WESB	Bradford, Pa.	1000	WYRU	Red Springs NC	1000	KMPG	Holister, Cal.	500
WMDD	Fajardo, P.R.	5000	WAZL	Hazleton, Pa.	1000	WLGR	Logan, Ohio	5000d	KKAP	Autos-Capitola, CA	1000d
KSDR	Waterloo, S.D.	1000d	WJNL	Johnstown PA	1000	KLBR	Northway, Ohio	5000d	KPOL	Los Angeles, CA	50000r
WJFC	Jefferson City, Tenn.	500d	WBDL	Lancaster, Pa.	1000	KBBS	Sallisaw, Okla.	1000d	WJGA	Jackson GA	1000
WMQM	Memphis, Tenn.	5000d	WBCE	Lewisburg, Pa.	1000	WPSL	Monroeville, Penn.	250d	WOGA	Sylvester, Ga.	1000d
WJLE	Smithville, Tenn.	1000d	WMRF	Lewiston Pa.	1000	WVAP	Burnetttown, S.C.	500d	KISA	Honolulu HI	5000d
KBOX	Dallas, Tex.	5000	WVGW	Meadville, Pa.	1000	WCPL	Pagealand, S.C.		WSMI	Litchfield, Ill.	250d
KLVL	Pasadena, Tex.	5000	WVBS	Ponce PR	1000r	WSJV	Woodruff, S.C.	1000d	WADP	Decatur, Ind.	250d
KVAB	San Antonio, Tex.	5000	WGPC	Chester, S.C.	1000	KMSD	Milbank, SD	5000d	WLXI	LaPorte, Ind.	250d
KONI	Spanish Fork, Utah	1000d	WSDC	Hartsville S.C.	250	WLAG	Nashville, Tenn.	5000	WCBK	Marlintonville IN	5000
WCFR	Springfield, Va.	5000d	KORN	Mitchell, S.Dak.	1000	KGSD	Greenville, S.C.	5000	KXEL	Waterloo, Iowa	5000d
WBLI	Richmond, Va.	5000	WOPJ	Bristol, Tenn.	1000	KCTY	Childress, Tex.	250d	KNEX	McPherson, Kans.	250d
WLEE	Richmond, Va.	5000	WDXB	Chattanooga, TN	1000d	KNAM	Midland, Tex.	500d	KLIC	Parsons, Kans.	250d
WUEZ	Salem VA	5000d	WCSV	Crossville, TN	1000r	KMOO	Mineola, TX	500d	WKCB	Hindman, KY	1000d
KQLA	Lakewood WA	1000	WKVB	Knoxville, TN	1000	KYKR	Port Arthur TX	5000d	KCTO	Columbia, La.	1000d
KVAN	Vancouver WA	1000	WJML	Lewisburg, Tenn.	1000	KROB	Robstown, Tex.	500d	KGLA	Gretna LA	500d
WISM	Madison, Wis.	5000	WDXL	Lexington, Tenn.	1000	KSTV	Stephenville TX	1000d	WDDN	Wheaton MD	5000d
KBSB	Buffalo, WY	1000	KNOW	Austin, Tex.	1000	WBLB	Pulaski, VA	5000	WSWG	Greenwood, MS	1000d
KRAE	Cheyenne, Wyo.	1000d	KIBL	Beeville TX	1000	KAAR	Mountlake Terrace, WA	250d	WMLM	St. Louis MI	5000
1490-201.2			KBST	Big Spring, Tex.	1000	KGA	Spokane, Wash.	5000	KBKX	Kennett, Mo.	1000d
WANA	Anniston AL	250d	KQTY	Borger TX	1000	WAUK	Waukesha, Wis.	10000d	WKXR	Exeter, N.H.	1000d
WJLF	Decatur AL	1000r	KBOX	Dallas TX	5000r				WPTB	Albany, N.Y.	5000
WALD	Lanett AL	1000r	KNEL	Brady, Tex.	1000	1520-197.4			WYRT	East Syracuse, NY	1000d
WHBB	Selma AL	1000r	KWMC	Del Rio, Tex.	1000	WAOA	Opelika AL	5000d	WKYK	Burnsville, N.C.	1000d
KCUZ	Clifton AZ	1000r	KSAM	Huntsville, Tex.	1000	KACY	Port Huenese, CA	50000r	WRPL	Charlotte, N.C.	1000d
KYCA	Prescott AZ	1000r	KVOZ	Laredo, Tex.	1000	WTLN	Apopka, Fla.	5000d	WIFM	Elkins, N.C.	1000d
KAIR	Tucson, AZ	1000r	KZZN	Littlefield, Tex.	1000	WXIX	Fort Lauderdale, Fla.	1000d	WOOZ	Whitefish, NC	1000d
KXAR	Hope AR	1000r	KPLT	Paris, Tex.	1000	WGNB	Indian Rocks Beach, FL	1000d	WBOC	Bucyrus, Ohio	500d
KDRS	Paragould AR	1000r	KDKT	Tyler, Tex.	1000	WEXY	Oakland Park, Fla.	1000d	WRRE	Trebleville, OH	500d
KOTN	Pine Bluff AR	1000r	KWMC	Verona, Tex.	1000	WTKG	Easton, Ga.	1000d	WTRB	Cincinnati, Ohio	1000d
KARV	Russellville AR	1000r	KVOG	Oden, Utah	1000	WDGL	Douglasville, Ga.	1000d	WNIO	Niles, Ohio	5000
KWAC	Bakersfield CA	1000r	WKVT	Battleboro, Vt.	1000	WNMT	Garden City, Ga.	1000d	WBTC	Uhrichsville, O.	250d
KICO	Calexico, CA	1000r	WFDL	Middlebury, Vt.	1000	WHOW	Clinton, Ill.	5000d	WRCP	Philadelphia, Pa.	50000d
KRKC	King City, CA	1000r	WYKR	Wells River, Vt.	250d	WLUV	Loves Park, Ill.	500d	WARD	Pittston, PA	1000d
KTOB	Petaluma, CA	1000r	WIKE	Newport, Vt.	1000	WKVI	Knox IN	250d	WPME	Punxsutawney, Pa.	5000d
KDFL	Red Bluff, CA	1000r	WQVA	Culpeper, Va.	1000	WSVL	Shelbyville, Ind.	1000	WADK	Newport R.I.	1000d
KDB	Santa Barbara, CA	1000r	WWEH	Hampton, Va.	1000	WIKI	Easton, Iowa	1000d	WGF	Pickens, SC	1000d
KOWL	S. Lake Tahoe, CA	1000r	WAYB	Waynesboro, Va.	1000	WHIC	Hardinburg, KY	1000d	WBIN	Benton TN	1000d
KSYC	Yreka CA	1000r	WYKR	Wells River, Vt.	1000d	KXIK	Stanford, Ky.	500d	WJIT	Jellico, TN	1000d
KBOL	Boulder, Colo.	1000	KBRO	Bremerton, Wash.	1000	WXKW	Lafayette, La.	1000d	WBRY	Woodbury TN	500d
KGUC	Gunnison, CO	1000	KVAC	Forks, Wash.	1000	WVOD	Bel Air, Md.	250d	KRXV	Fort Worth, TX	50,000r
KLIQ	Manitou Springs, CO	500	KLOG	Kelso, Wash.	1000	WTRI	Brunswick, Md.	500d	KGBC	Galveston, Tex.	1000
WGHG	Greenwich, Conn.	1000	KENE	Toppishish, Wash.	1000	WICR	Muskogee Hts., MI	1000d	KEDA	San Antonio TX	1000d
WTRF	Branford, Fla.	1000	WXIT	Charleston, W.Va.	1000	WKIR	Ypsilanti, Mich.	500d	WKLE	Cleveland, Ohio	1000d
WETO	De Land, Fla.	1000	WTCS	Fairmont, W.Va.	1000	KKEE	Rochester MN	1000d	KZAM	Bellevue, WA	5000
WKEM	Immokalee, Fla.	1000	WAEY	Princeton WV	1000r	WQMA	Marks, Miss.	250d	WICTM	Hartford, Wis.	500d
WMBM	Miami Beach, Fla.	1000	WWSG	Sutton, W.Va.	1000	WPGR	Port Gibson, MS	250d			
WCKC	Milton, FL	1000r	WGEZ	Beloit, Wis.	1000	KMPL	Sikeston, Mo.	5000	1550-193.5		
WPXE	Starke, FL	1000	WLCX	LaCrosse, Wis.	1000	WSLT	Ocean City-Somerset Pt. N.J.	1000d	WAAV	Huntsville AL	5000r
WTTB	Vero Beach, Fla.	1000	WIGM	Madford, Wis.	1000	KAMX	Albuquerque, NM	1000d	WMOD	Mobile AL	1000
WSTR	Winter Haven, FL	1000r	WYLL	Oshkosh, WI	1000	WKBW	Buffalo, N.Y.	5000	KUAT	Tuscaloosa AL	5000d
WMOG	Brunswick, Ga.	1000	KOJO	Laramie WY	500	WTHE	Mineola, N.Y.	1000r	KXEX	Fresno, Calif.	500d
WMJM	Cordale, Ga.	1000	KUGR	Green River, WY	1000	WDSL	Muskogee, N.Y.	5000r	KKHI	San Fran., Calif.	10000
WRED	Monroe, GA	1000r	KRTR	Thermopolis, Wyo.	250	WARR	Warrenton NC	1000d	KQXI	Arvada CO	10000d
WFSB	Quitman, Ga.	250	KGOS	Torrington, Wyo.	1000	KMAV	Mayville ND	2500d	WMLB	West Hartford, CT	10000d
WSNT	Sandersville, Ga.	500	1500-199.9			KMAY	Bryan, Ohio	500d	WRHC	Coral Gables FL	10000
WNSL	Sylvania, Ga.	1000	WYSM	Rainsville AL	1000d	WNYU	Canton, O.	1000d	WCCZ	New Smyrna Beach FL	250d
KCID	Caldwell Idaho	1000	WKAX	Russellville, AL	1000d	WKN	Kent, O.	1000d	WYOU	Tampa, Fla.	10000d
WKRO	Cairo IL	1000r	KGMR	Jacksonville AR	1000d	WGOR	Toledo, OH	1000	WTHB	Augusta, Ga.	5000d
WDAN	Danville, Ill.	1000	KXRX	San Jose, CA	10000r	KOMA	Oklahoma City, Okla.	50000	WYNX	Smyrna, Ga.	10000
WESL	E. St. Louis IL	1000	WFIJ	Milford, Conn.	5000d	WCHI	West Chester, Pa.	250d	WJIL	Jacksonville, Ill.	1000d
WOPA	Oak Park, Ill.	1000	WTOP	Washington, D.C.	50000	WRAT	San Juan, P. R.	10000	WCSJ	Corvallis, Ill.	250d
WZOE	Princeton, Ill.	1000	WKIZ	Key West, Fla.	250	WTRP	Myrle Beach, SC	5000d	WPDF	Morris, Ind.	250d
WKBV	Richmond, IN	1000	WGUL	New Port Richey, Fla.	250d	WKMG	Newberry, S.C.	1000d	WCVL	Crawfordsville, Ind.	250d
WNJU	South Bend, Ind.	1000	WIAF	Clarksburg, Ga.	1000d	KCHF	Sioux Falls SD	500d	WCTW	New Castle, Ind.	250
KBUR	Burlington, Iowa	1000	WIEA	Donalsonville, Ga.	1000d	WBHT	Brownsville, Tenn.	250d	WNDI	Sullivan, IN	250d
WDBQ	Dubuque, Iowa	1000	WDEN	Macon, Ga.	1000d	WIDD	Elizabethton, Tenn.	1000d	KIWA	Shedden, Iowa	500d
KBAB	Indianola, Ia.	500	KUMU	Honolulu, Hawaii	5000	WEXM	Jamestown, Tenn.	500d	KEDD	Dodge City, Kans.	1000d
KRIB	Mason City, Ia.	1000	WGEN	Geneseo IL	250d	WAAO	Andalusia AL	1000d	KNIC	Winfield, Kan.	250d
KICAN	Phillipsburg, Kans.	1000	WPMB	Vandalia, Ill.	250	WAAU	Monton AL	1000d	WGRK	Greensburg KY	250d
WKAY											

U.S. AM STATIONS BY LOCATION

Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
Anehorage AK	KBYR 700 KANC 1030 KFQD 750 KENI 550 KHAR 590 KYAK 950	Ava, Mo.	KOKE 1370 KVET 1300 KSOA 1430 KBRT 740	Benton, Ky.	KGKO 850 WCBL 1290 WBIN 1540	Breckenridge, Minn.	
Andalusia, AL	WVAV 1420 WAVO 1390 Aztec, N. Mex.	Avondale Estates, Ga.	KHAP 1340 WNYG 1440 WGLI 1290	Benton Harbor-St. Joseph, Mich.	WHPB 1060 WFBX 1280 KRE 1400	Breckenridge, Tex.	KSTB 1430 WWCC 1440 KBRO 1490 KTXA 1280 KBNF 1480 WPWT 1510 WEBJ 1240 WBTS 1480 WICC 600 WDJZ 1530 WVAB 1450 WSNJ 1240 KBHU 600 KBRR 800 KBRI 1570 WBIS 1440 WPOI 1490 WKYE 1550 WZAP 690 WFHG 980
Anderson Ind.	WHUT 1470 WHBU 1240	Bad Axe, Mich.	WLEW 1340	Berea, Ky.		Bremerton, Wash.	
Anderson, S.C.	WAIM 1230 WANS 1230 KAT 1350	Bainbridge, Ga.	WMGR 930 WAZA 1360	Berry Hill, Tenn.	WVLO 1470 KTHS 1480	Brenham, TX	
Andrews, Texas	WANN 1190	Baker, Mont.	KFLN 960	Berryville, Ark.		Brevard, N.C.	
Annapolis, Md.	WYRE 810 WNAV 1430	Baker, Oreg.	KBKR 1490 KAFY 550 KBJS 970	Berwick, Pa.	WBYX 1280 WYAM 1450 KYUK 580 WGMS 570 WGPA 1100	Brewster, N.Y.	
Ann Arbor, Mich.	WPAW 1050 WRAJ 1440 WANA 1490 WDNG 1450 WHMA 1390	Bakersfield, Calif.	KERN 1410 KGEE 1230 KUZT 800 KLYD 1350 KWAC 1490 KPMC 1560	Bethesda, Md.		Bridgetown, N.J.	
Anna, Ill.		Baldwinsville, N.Y.	WSEN 1050	Bethlehem, Pa.	KGHL 1410	Brigham City, Utah	
Anniston, AL		Ballinger, Tex.	KRUN 1400	Beulah, Nd.	WVLO 1470 WHD 1400 WID 1400 KBBV 050	Brighton, Cal.	
Annville-Cleona, Pa.	WAHT 1510 KTVN 1470 WADS 890 WATK 900 WAVI 910 WYLN 1820 KATR 960 WRXA 1570 WHBY 1230 WYNE 1150 WTTX 1280	Baltimore, Md.	WBAL 1090 WAVE 860 WZSO 750 WCAO 600 WCBM 680 WEBB 1360 WFR 1300 WHD 1230 WSD 1010 WVIN 1400	Bethlehem, Pa.		Brinkley AR	
Aptos-Capitola CA	KKAP 1540	Barnesboro, Pa.	WNCC 950	Bethlehem, Pa.		Bristol, Conn.	
Aquadilla, P. R.	WRAB 1260	Barnesville, Ga.	WBAF 1090	Bethlehem, Pa.		Bristol, Tenn.	
Arab, AL	WYLB 1260	Barnwell, S.C.	WBAW 740	Beverly, Mass.	WKRL 330 WKOP 260 WVNF 1290 WAPI 070 WERC 960 WCRT 1260 WYQY 1420 WVNN 1220 WATY 800 WVGN 610 WYDE 850 WVOK 690 KSUN 1230	Broken Bow, Nebr.	KQNI 1280
Arcadia, Fla.	WAPG 1480	Barre, Vt.	WBND 1450	Big Stone Gap, Va.		Bronson, Mo.	
Arcata, Calif.	KATA 1340	Barstow, Calif.	KWTC 1230 KJOT 1310	Bliloxi, Miss.	WLOD 1200 WYMI 570	Brookfield, Conn.	WINE 940
Ardmore, Okla.	KVSO 1240	Barstow, Calif.	WBAR 1460 WPUL 1130 WODY 900 WSTP 730 KVOB 1340	Billings, Mont.	KBMY 1240 KGHL 790 KOOK 970 KOYN 910 KURL 330 WYOB 760 WVNF 1290 WAPI 070 WERC 960 WCRT 1260 WYQY 1420 WVNN 1220 WATY 800 WVGN 610 WYDE 850 WVOK 690 KSUN 1230	Brookfield, Conn.	WINE 940
Ardmore Tenn.	WVSL 1110	Bartow, Fla.	WBAR 1460 WPUL 1130 WODY 900 WSTP 730 KVOB 1340	Billings, Mont.		Brookfield, Mo.	KGHM 1470
Arcelbo, P.R.	WGMN 1280 WNIK 1230 WML 1070	Bartow, Fla.	WBAR 1460 WPUL 1130 WODY 900 WSTP 730 KVOB 1340	Bismarck, N.Dak.	KBYG 1270 KBD 1220 WLOD 1200 WYMI 570	Brookhaven, Miss.	WCHJ 1470 WJMB 1340 KORY 910 KBKR 1430 WUNR 1600 WOD 1230 WVJB 1500 KBUR 1300 WASP 1130 WBHT 1520 KBOR 1600 KBWD 1380 KXXV 1440
Arkadelphia AR	KVRC 1240 KDOV 1350	Bartsville, Okla.	KWON 1400	Bismarck-Mandan, ND	KWVB 1270	Brunswick, Ga.	WGIG 1440 WMOG 1490 WYNR 790 WXKA 900 WTRI 1520 KCMP 1010 WUOB 1520 KTAM 1240 KAGC 1510 WBHN 1590 WBUC 1480 WBUC 1540 WBNU 1270 WLCH 1430 KRWK 1380 WBEN 930 WYSL 1400 WEBR 970 WGR 550 WKBW 1520 WKIN 1120 KBBS 1450 WDYX 1460 WVBS 1470 KQIN 800 WKYR 1570 KBAR 1230 KBUR 1490 KKUZ 1150 WBBS 920 WBAG 1150
Arkan. City, Kans.	KSKO 1280	Bartsville, Okla.	KWON 1400	Black Mountain, N.C.	WBMS 1350 WFEW 1010 WWIS 1260 KBLI 690 WKEX 1430 WQBX 710 WVNS 1320 WKLV 490 KLTR 1580 KARI 550 WBBK 1260 KUTA 790 WJBC 1230 WTS 1270 WCNR 930 WHLM 550 KBWE 1560 WHIS 1440 WKDY 1240 WKYY 450 KLCN 910 WBBA 1300 WVBB 740 WKIC 1490 WBOZ 920 KBR 950 WYKR 570 KGM 1140 KID 630 KSPD 790 KBLR 1130 WBOL 1560 KCN 1420 KBFI 450 KWBG 1590 KFGQ 1260 WATA 1450 WBNI 1540 WBIP 1400 KWGN 1370 WBRY 900 KQTY 1490 KBBB 1600 WBZ 1030 WAGQ 1150 WILD 1090 WEZE 1260 WEEI 890 WHDH 850 WMEX 1510 WRKO 860 WRYT 950 KBL 1480 WYLB 1940 KBBN 1410 WKCT 930 WBG 1340 WVBJ 1410 KPCR 1830 WVGS 790 WVON 1410 KXXL 1450 KBMM 1230 KBOZ 1090 WLOA 1550		
Arlington, Fla.	WKTZ 1220	Bassett, Va.	WODY 900	Black River Falls, Wis.		Brunswick, ME	WXKA 900
Arlington VA	WABS 780	Bastrop, La.	WVOD 920	Blacksburg, Va.		Brunswick, Md.	WTRI 1520
Arroyo Grande CA	WEAM 1390	Batavia, N.Y.	WBTA 1490 WBTL 1430 KBTA 1340 WBL 1290 WJTO 730 WVNS 1320 WAIL 1260 WLUX 1550 WYNK 1380 WBYR 1300 WBJO 1150 WVGS 910 WVNR 1420 WVCK 930 WKNR 1400 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690				
Artesia, N.M.	KSPV 990	Battle Creek MI	WKNR 1400 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690				
Arveda, Colo.	KQXI 1550	Battle Creek MI	WKNR 1400 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690				
Ashburn, Ga.	WMES 1570	Batavia, N.Y.	WBTA 1490	Blackfoot, Idaho	WVNS 1320	Brunswick, N.C.	WB 1520
Asbury Park, N.J.	WJLK 1310	Batesburg, S.C.	WBTL 1430	Blacksburg, Va.		Burlington, N.C.	WB 1520
Asbury Park-Eaton town, NJ	WHTG 1410 WVWR 1260 WZOO 710 WISE 1310 WRAQ 1380 WSKY 1230 WVNC 570 WVNG 1340	Batesville AR	KBTA 1340	Blackshear, Ga.	WVNS 1320	Burlington, N.C.	WB 1520
Ashland, Ky.	WCMI 1570 WVDR 1420 WVNC 1340	Batesville, Miss.	WBL 1290	Blackstone, Va.	WVNS 1320	Burlington, N.C.	WB 1520
Ashland, Ohio	WCNC 1340	Bath, N.Y.	WJTO 730	Blackwell, Okla.	WVNS 1320	Burlington, N.C.	WB 1520
Ashland OR	KCMX 580 KDOV 1350 WKDH 1430 WATW 1400 WAQI 1600 WRFD 970 KRSO 1260 KAST 1370 KVAS 1230 KARE 1470 WKAC 1080 WGAU 1340 WVOD 1470 WRFC 960 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690						
Ashland, Va.	WKDH 1430	Bath, N.Y.	WJTO 730	Blackwell, Okla.	WVNS 1320	Burlington, N.C.	WB 1520
Ashland, Wis.	WATW 1400	Baton Rouge, La.	WLUX 1550 WYNK 1380 WBYR 1300 WBJO 1150 WVGS 910 WVNR 1420 WVCK 930 WKNR 1400 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690				
Ashtabula, Ohio	WAQI 1600 WRFD 970 KRSO 1260 KAST 1370 KVAS 1230 KARE 1470 WKAC 1080 WGAU 1340 WVOD 1470 WRFC 960 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690						
Aspen, Colo.	WRFD 970	Bayard, NM	KNFT 950	Blue Earth, Minn.	KBWE 1560	Burlington, N.C.	WB 1520
Astoria, Oreg.	KAST 1370 KVAS 1230 KARE 1470 WKAC 1080 WGAU 1340 WVOD 1470 WRFC 960 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690						
Atchinson, Kans.	WVOC 1500	Bay City MI	WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690				
Athens, AL	WKAC 1080	Bay City MI	WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690				
Athens, Ga.	WGAU 1340 WVOD 1470 WRFC 960 WVOC 1500 WUFE 1260 WRDD 240 WXXA 1250 KION 1270 WBKA 1110 WLUZ 1600 WRSJ 1560 KNFT 950 KQKI 1170 WVGR 1190 WB 1570 KBK 1360 WBNR 1260 WRMS 790 KWBE 1450 WBMA 1400 WBEE 960 KLVJ 580 KAYC 1450 KJET 1360 KTRM 990 WBEV 1430 WBVP 1230 WILS 560 WGR 1070 WVNR 620 WBIW 1340 WAYC 1310 WBTL 1350 KIBL 1490 KIBL 1000 WVOB 1520 KARS 860 WBME 1230 KGVW 630 WOM 1290 WVOD 1360 WBLF 70 KBFS 1450 WSWN 900 WVBN 1260 KZAM 1540 KPGU 1170 KGM 790 KQOT 1550 KBFW 930 KACO 1090 WCGC 1270 WGEZ 1490 WB 1360 WHPB 1390 KTON 940 WELZ 1480 KBUN 1450 KKBJ 1360 KBN 1110 KQ 940 WBSC 1550 WBTN 1370 KBMO 1290 WPYB 1130 KBPA 690						
Athens, Ohio	WVOC 960	Bayonet Vista, LA	KQKI 1170	Bluefield, W.Va.	WHIS 1440 WKDY 1240 WKYY 450 KLCN 910 WBBA 1300 WVBB 740 WKIC 1490 WBOZ 920 KBR 950 WYKR 570 KGM 1140 KID 630 KSPD 790 KBLR 1130 WBOL 1560 KCN 1420 KBFI 450 KWBG 1590 KFGQ 1260 WATA 1450 WBNI 1540 WBIP 1400 KWGN 1370 WBRY 900 KQTY 1490 KBBB 1600 WBZ 1030 WAGQ 1150 WILD 1090 WEZE 1260 WEEI 890 WHDH 850 WMEX 1510 WRKO 860 WRYT 950 KBL 1480 WYLB 1940 KBBN 1410 WKCT 930 WBG 1340 WVBJ 1410 KPCR 1830 WVGS 790 WVON 1410 KXXL 1450 KBMM 1230 KBOZ 1090 WLOA 1550		
Athens, Tenn.	WLAR 1450 WYXI 1390 KBUD 1418	Bay Springs, Miss.	WB 1570	Blounting, Ind.	WVNS 1320	Burlington, N.C.	WB 1520

U.S. AM STATIONS BY LOCATION

Table with 8 columns: Location, Call kHz, Location, Call kHz, Location, Call kHz, Location, Call kHz. Lists radio stations across the United States with their call letters and frequencies.

U.S. AM STATIONS BY LOCATION

Location	Call	kH ^z	Location	Call	kH ^z	Location	Call	kH ^z	Location	Call	kH ^z
Douglas, Ga.	KAPR	930	Endicott, N.Y.	WENE	1430	Forrest City AR	KXJK	1250	Gaylord, Mich.	WATC	900
Douglas, Wyo.	KAPR	860	Englewood, CO	WBZB	1150	Forsyth, MT	KIKC	950	Geneseo IL	WGEN	1500
Douglasville, Ga.	WDGL	1520	Englewood, Fla.	WENG	1530	Ft. Atkinson, Wis.	WFAW	940	Geneva AL	WGEA	1150
Dover, Del.	WDOV	1410	Englewood, Tenn.	WENR	1680	Ft. Bragg, Calif.	KDAC	1230	Geneva, Ill.	WGSB	1480
Dover, N.H.	WTSN	1270	Enid, Okla.	KGWA	960	Ft. Campbell, Ky.	WABD	1370	Geneva, N.Y.	WGGA	1240
Dover, N.J.	WRAN	1510	Enterprise AL	KWRB	600	Ft. Collins, Colo.	KIIX	600	Georgetown, Del.	WJWL	900
Dover-Foxcroft, ME	WDME	1340	Enterprise, Oreg.	KWVR	1340	Ft. Dodge, Iowa	KVFD	1400	Georgetown, Ky.	WAXU	1580
Dover-New Philadelphia, O.	WJIE	1450	Ephrata, Pa.	WWSA	1310	Ft. Erie, Pa.	WVET	1400	Georgetown, S.C.	WGTN	1400
Dowagiac, Mich.	WDOV	1440	Ephrata, Wash.	KULP	730	Ft. Kent, ME	WVLC	1340	Georgetown, Tex.	KGTN	1530
Doylstown, Pa.	WBUX	1570	Erie, Pa.	WLKX	1260	Ft. Knox, Ky.	WSAC	1470	Gettysburg, Pa.	WGET	1320
Dublin, Ga.	WMLT	1330	Erwin, Tenn.	WJET	1400	Ft. Lauderdale, Fla.	WFTL	1400	Gillette, Wyo.	KJML	1270
Du Bois, Pa.	WCED	1420	Espanola, Mich.	WWRJ	1330	Gilmer TX	WSRF	1580	Gilroy, Cal.	KHYM	1060
Dubuque, Iowa	WDBQ	1490	Espanola, N. M.	WVGO	450	Gladewater, Tex.	WAVS	1190	Gladwin, MI	KAZA	920
Duluth, Minn.	KDNL	610	Escanaba MI	WDBN	600	Glasgow, Ky.	KXGI	1360	Glennville, Ga.	WGDS	1440
Dumas AR	KDDA	1560	Escobedo, Calif.	WBDN	600	Glasgow, Mont.	KFTM	1400	Glen Burnie, Md.	WISZ	1590
Dumas, Tex.	KDDA	800	Estes Park, CO	KOWN	1450	Glendale AZ	KFTA	950	Glendale, Calif.	KRUX	1360
Duncan, Okla.	KDDB	1350	Estherville, Ia.	KSIR	1470	Glenview, Mont.	KWOB	1250	Glennallen AK	KGEG	890
Dunedin FL	WDFL	1470	Etawah, Tenn.	KILR	1070	Glens Falls, N.Y.	WFTA	1390	Glens Falls, N.Y.	WBSA	1410
Dundee, N.Y.	WFLR	1570	Eufaula AL	WCPH	1220	Glenwood Sprngs., Colo.	WFTT	1330	Globe, AZ	WDDY	1240
Dunnellon, Fla.	WTRS	920	Eugene, Ore.	WULA	1240	Globe, AZ	WFWP	1150	Gloucester, Va.	WJBY	1420
Dunkirk, N.Y.	WDOE	1410	Eunice, La.	KEED	1450	Gloversville-Johnston NY	WFTW	1400	Gold Beach, Oreg.	WENT	1340
Dunn, N.C.	WCKB	790	Eupora, MS	KASH	1600	Golden Meadow, LA	WGL	1280	Golden Valley, Minn.	KLEB	1600
Du Quoin, Ill.	WDON	1580	Eureka, Calif.	KORE	1050	Golden Valley, Minn.	WWR	1090	Goldspboro, N.C.	KQRS	1440
Durand, Wis.	KIUP	930	Evanston, Ill.	KBDF	1280	Goldspboro, N.C.	WFO	1190	Gonzales, LA	WSLG	1090
Durango, Colo.	KDGO	1240	Evanston, Wyo.	KPNW	1120	Gonzales, Texas	WFO	1430	Goodland, Kans.	KLOE	730
Durant, Okla.	KSFO	750	Evansville, Ind.	KUGN	590	Gordon, Ga.	WFB	1580	Gordon, Ga.	WKOB	1580
Durham, N.C.	WDFC	1400	Eveleth, Minn.	KEUN	1490	Goshen, Ind.	WFBS	1600	Gouverneur, N.Y.	WIGS	1260
Dyersburg, Tenn.	WDSG	1450	Everett, Wash.	WEPA	710	Grafton, N.D.	WKOX	1190	Grafton, W.Va.	WVWV	1260
Eagle Pass, Tex.	KEPS	1270	Evanston, Ill.	WVLA	1240	Graham, N.C.	WVWV	1260	Graham, N.C.	WSML	1190
Eagle River, Wis.	WERL	950	Everett, Wash.	WEAV	1330	Graham, Tex.	WVWV	1260	Grand Forks, N.D.	KFMJ	1370
Easley, S.C.	WELP	1380	Evanston, Wyo.	WELD	1590	Grand Haven, Mich.	WVWV	1260	Grand Falls MT	KQDI	1450
E. Grand Forks, Minn.	WRAD	1590	Evansville, Ind.	WEWA	1240	Grand Island, Nebr.	WVWV	1260	Grand Rapids MI	WCUZ	1230
Eastland, Tex.	KERC	890	Eveleth, Minn.	WLBZ	1470	Grand Island, Nebr.	WVWV	1260	Grand Rapids MN	KQZY	1320
E. Lansing, Mich.	WJBR	970	Everett, Wash.	WVEF	1340	Grand Junction, Colo.	WVWV	1260	Grand Rapids UT	KCB	1360
E. Liverpool, Ohio	WOHI	1430	Everett, Wash.	WVFC	1480	Grand Prairie, Tex.	WVWV	1260	Grand Rapids WY	KRT	1230
East Longmeadow, Mass.	WIXY	1600	Everett, Wash.	WVFD	1480	Grand Rapids, Mich.	WVWV	1260	Grand Rapids, WY	WGNB	1330
Eastman, Ga.	WUFM	710	Everett, Wash.	WVFE	1480	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WJPR	1330
E. Molino, IL	WDFM	960	Everett, Wash.	WVFF	1480	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
E. Point, Ga.	WDFM	960	Everett, Wash.	WVFG	1480	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
East Prairie, Mo.	KGCL	1080	Everett, Wash.	WVGH	1410	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
E. St. Louis IL	WESL	1490	Easton, Pa.	WEAG	790	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
E. Syracuse, NY	WYRD	1540	Easton, Pa.	WEAL	1400	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Easton MD	WEMD	1460	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Easton, Pa.	WEEX	1230	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eaton, OH	WEST	1400	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eaton, Ga.	WXPQ	1520	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eaton, N.J.	WHTG	1410	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eau Claire, Wis.	WEAG	790	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eau Gallie, FL	WTAI	1560	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Ebensburg, Pa.	WQWB	1130	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eden, NC	WLOE	1490	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Edenton, N.C.	WCDJ	1280	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Edinburg, Tex.	KURY	710	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Edmonds, Wash.	KGDN	630	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Edonia, Tex.	KBWB	1130	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Edinham, Ill.	WORA	1090	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elba AL	WELB	1350	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elberton, Ga.	WSEG	1400	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Cajon, Calif.	KDEO	910	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Campo, Tex.	KULP	1390	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Centro, Calif.	KXKO	1230	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Dorado AR	KAMP	1430	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Dorado KS	KOYY	1430	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eldorado Springs, Mo.	KESM	1580	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eleele, Kanai, Hawaii	KUAI	720	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elgin, Ill.	WRMN	1410	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elizabet, N.J.	WJDM	1530	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elizabeth City, N. C.	WCNC	1240	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elizabethton, Tenn.	WBEJ	1240	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elizabethtown, Ky.	WIEB	1400	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elizabethtown, N.C.	WBLA	1440	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elizabethtown, Pa.	WPCD	1600	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eik City, OK	KADS	1240	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Eikhart, Ind.	WCMR	1270	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elkins, N.C.	WIFM	1540	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elkins, W.Va.	WDNE	1240	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elko, Nev.	KELK	1240	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elkton, Md.	WSEB	1550	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elkton, Ky.	WSRQ	1070	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Ellensburg, Wash.	KXLE	1240	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Ellenville, N.Y.	WELV	1370	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Ellijay, GA	WEGB	1560	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Ellsworth, Me.	WDEA	1370	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elmhurst, IL	WDCG	1530	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elmira, N.Y.	WELN	1410	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elmira, N.Y.	WENY	1290	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
Elmira Heights-Horseheads, N.Y.	WEHH	1590	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KROD	800	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KAMA	1080	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KELP	820	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KKEY	890	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KINT	1500	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KISO	1150	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KSET	1340	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KTSM	1380	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KCAN	1480	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	WELY	1480	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	KELY	1230	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	WEDL	930	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX	WSTL	1800	Easton, Pa.	WEAT	1560	Grand Rapids, Mich.	WVWV	1260	Granville, Miss.	WDDT	900
El Paso, TX											

U.S. AM STATIONS BY LOCATION

Table with 8 columns: Location, Call kHz, Location, Call kHz, Location, Call kHz, Location, Call kHz. Lists radio stations across the United States, including Greer, S.C., Grenada, Miss., and various locations in the Midwest and West.

U.S. AM STATIONS BY LOCATION

Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
Lander, Wyo.	KOVE 1330	Livingston, Mont.	KPRK 1340	Manistique, Mich.	WTIQ 1490	Merced, Calif.	KYOS 1480
Lanett, AL	WRRO 1490	Livingston, Tenn.	WLIV 920	Manitou Springs, Colo.	KHIQ 1490	Meriden, Conn.	KWIP 1580
Lansdale, N.D.	KNDX 1080	Livingston, Tex.	KETL 1440	Manitowoc, Wis.	WCUB 980	Meridian, Miss.	WCCO 910
Lansford, Pa.	WNPV 1440	Lockhart, TX	KCLT 1080	Mantowoe, Wis.	WOMT 1240		WDAL 1330
Lansing, Mich.	WLSH 1410	Lock Haven, Pa.	WBPF 1230	Mankato, Minn.	KYSM 1230		WMOX 1010
	WILS 1320	Lockport, NY	WLVL 1340	Manning, S.C.	KTOE 1420		WOKK 910
	WJIM 1240	Lodi, Calif.	KCVR 1570	Mansfield, La.	WYMB 1410		WQIC 1450
Lapeer, Mich.	WTTL 1010	Logan, O.	WLGJ 1510	Mansfield, Ohio	KDXI 1380	Merkle, TX	WTNK 1390
	WMPC 1230	Logan, Utah	KBLW 1390		WMAN 1400		KBGG 300
	WSTT 890		KVNU 810	Manti, VT	KMTI 1340	Merrill WI	WJMT 730
LaPlata, Md.	WLOI 1540	Logan, Vt.	KBLW 1390	Many, LA	KWLA 1400	Mesa AZ	KBUZ 1310
LaPorte, Ind.	KOJO 1490	Logan, W.Va.	WLOG 1230	Mapelewood MN	KMIA 1010		KDKB 1510
Laramie WY	KOWB 1290	Logansport, Ind.	WVAL 1230	Maquoketa, Iowa	WMAQ 1320	Metropolis, Ill.	WMOK 920
Laredo, Tex.	KLAR 1300	Lompoc, Calif.	KBIK 1400	Marathon, Fla.	WFFG 1300	Metter, Ga.	WMAC 1360
	KVOZ 1480		KLOM 1400	Marathon Island FL	WMBG 1510	Mexia, TX	KWFA 1500
Largo, Fla.	WSSJ 890		KNEZ 980	Marianna AR	KZOT 1480	Mexico, Mo.	KXSD 1340
Larned, Kans.	KANS 1510		WFTG 1400	Marianna, Fla.	WTYS 1340	Mexico, Pa.	WJUN 1220
LaSalle, Ill.	KOBE 1450	London, Ky.	KFRN 1280		WTOT 980	Miami AZ	KIKO 1340
LasCruces, N.Mex.	KGRT 370	Long Beach CA	KGER 1390	Marietta, Ga.	WFOM 1230	Miami, Fla.	WGBS 710
	KENO 1460	Longmont, Colo.	KLMO 1080		WBIE 1080		WIOD 610
	KLAV 1230	Long Island AK	KABN 1150	Marietta, Ohio	WMOA 1490		WFAB 990
	KLMD 1330	Long Prairie, Minn.	KEYL 1400		WBRJ 910		WFUN 790
	KLUC 1140	Longview, Tex.	KFTS 1370	Marine City, Mich.	WSMA 1590		WQAM 580
	KORK 920		KLUE 1280	Marquette WI	WMAM 570		WQBA 1140
	KNUU 970	Longview, Wash.	KEDO 1400		WLOT 1300		WOCN 1450
	KDWN 720		KBAM 1270	Marion AL	WJAM 1810		WINZ 940
Las Vegas, N.Mex.	KFUN 1230	Lookout Mountain-Chatanooga TN	WFLI 1070	Marion, Ill.	WGGH 1180	Miami Okla.	WCMQ 1220
Lafrobe, Pa.	WFTA 1480	Lorain, OH	WLRO 1380	Marion, Ind.	WHRB 1400	Miami Beach, Fla.	WGLC 910
Laurel, Md.	WLMD 1530	Loretto, Pa.	WLMF 1400		WGOM 380		WBBM 1490
Laurel, Miss.	WAML 1340	Loris, S.C.	WLSJ 1370	Marion, Ky.	WMJL 1010		WBRM 1250
	WLAU 1430	Los Alamos, N.Mex.	KRNS 1490	Marion, N.C.	WBRN 1250	Michigan City, Ind.	WIMS 1420
	WNSL 860	Los Angeles, Calif.	KABC 790	Marion, Ohio	WBRN 1490	Middlebury, Vt.	WFAD 1490
	WLBG 1280		KFI 640	Marion, S.C.	WATP 1430	Middleport-Pomeroy Ohio	WPHO 1390
Laurens, S.C.	WEWO 1080		KHJ 930	Marion, Va.	WVEV 1010		WPLB 1390
Laurinburg, N.C.	WLNC 1500		KHJ 930	Marked Tree AR	WDL 1330	Middlesboro, Ky.	WPKC 880
Lawrence, Kans.	KLWV 1230		KHJ 930	Marks, Miss.	WQMA 1320		WFFY 1580
Lawrence, Mass.	WCCM 800		WHL 980	Marksville, La.	KAPB 1370	Middletown, Conn.	WCNX 1150
Lawrenceburg, Tenn.	WDXE 1370		WHP 930	Marlboro, MA	WSRO 1470	Middletown, N.Y.	WAL 1340
Lawrenceville, Ga.	WLAW 1380		KNXT 1070	Marquette, Mich.	WDMJ 1320	Middletown, Ohio	WPFJ 910
Lawrenceville, Ill.	WAKO 910		KPOL 1540	Marshall, AR	KGGS 1800	Midland, Mi	WMPX 1490
Lawrenceville, Va.	KLES 580		KKCT 230	Marshall, Minn.	KMH 1400	Midland, Tex.	KCRS 850
Lawton Okla.	KSWO 1380	Los Banos, Calif.	KLSB 1330	Marshall, N.C.	WMMH 1480		KJBC 1150
	KCCO 1050	Louisia, Ky.	WYRN 1480	Marshall, Tex.	KMHT 1450		KNAM 1510
Leadville, CO	KBBR 1240	Louisburg, N.C.	WYRN 1480	Marshalltown, Iowa	KFJB 1230	Midwest City OK	KRMJ 1270
Leavenworth, Kans.	KCLO 1410	Louisville, Ga.	WPEH 1420	Marshfield, Mo.	KEMM 1510	Milan, Tenn.	WKBJ 1600
Lebanon, Ky.	WLBW 1590	Louisville, Ky.	WAVE 970	Marshfield, WI	WDB 1450	Michigan, SD	KMSD 1510
Lebanon, MO	KLWT 1230		WAVE 970	Martin, Tenn.	WCMT 1410	Miles City, MT	KATL 1340
	KLMO 1080		WAES 840	Martinsville, Ind.	WCBK 1540	Milford, Conn.	WFIF 1500
Lebanon, Oreg.	KGAL 920		WKLQ 1080	Martinsville, Pa.	WJSM 1110	Milford, Del.	WTHD 930
Lebanon, Pa.	WLBK 1270		WINN 1240	Martinsburg, W.Va.	WEPM 1340	Milford, Mass.	WMRC 1490
	WVLV 940		WFOA 900		WRNR 740	Milbank, SD	KMSD 1100
Lebanon, Tenn.	WCOR 900		WLOU 1350	Martinsville, Va.	WHEE 1370	Milledgeville, Ga.	WVVG 1450
Lebanon, VA	WLRV 1380		WTMT 820		WHEE 1370		WXLX 1060
Leesburg, Fla.	WLRB 790	Louisville, Miss.	WLSM 1270	Maryville, Mo.	KNIM 1580	Milken, Ga.	WGSR 1570
	WZL 1410	Loveland, Colo.	WLOV 1570	Maryville, Tenn.	WGAP 1400	Millington, Tenn.	WTNN 1380
Leesburg, Va.	WAGE 1290	Loves Park, Ill.	WLUV 620	Maryville, Calif.	KMYC 1410	Millinocket, Me.	WMKR 1340
Leesville, La.	KLLA 1570	Lovington, N.Mex.	KLEA 830	Maryville, Kans.	KNDY 1570	Millville NJ	WMB 1440
Lehigh Acres, Fla.	WYAK 1440	Lowell, Mass.	WCAP 980	Mason, Mich.	WUNN 1110	Milton, FL	WFGS 1330
Leighton, Pa.	WYNS 1150	Lubbock TX	WLLH 1400	Mason City, Iowa	KGLD 1300	Milton, Pa.	WMLP 1380
Leitchfield, KY	WMTL 1580		KEND 1590	Massena, N.Y.	KRI 1480	Milton, WV	WRNT 1600
Leiland, Miss.	WESY 1580		KDAY 580		WYBG 1050	Milwaukee, Wis.	WEMP 1250
Lee Mars, Iowa	KLEI 1410		KLAF 1340	Massillon, Ohio	WTIG 990		WBCS 1340
Lemmon, S.D.	KBJM 1490		KLFB 1420	Matewan, W.Va.	WHJC 1360		WISN 1130
Lenmore, Calif.	KLAN 1320		KFYO 790	Mattoon, Ill.	WLBB 1170		WZLU 1290
	KOAD 1240		KLLL 1480	Mauston, Wis.	WVCI 1270		WNOV 860
Lenoir, N.C.	WJRI 1340		KSEL 950	Mayaguez, P.R.	WAEI 600		WOKY 920
	WKGX 1080	Lynn, MA	WNSR 1360		WKJB 710		WTMJ 620
Lenoir City, Tenn.	WBLC 1380	Lusedale MS	WRBE 1440		WOR 840	Minden, La.	KASO 1240
	WLI 730	Ludington, Mich.	WKLA 1450		WPRA 990	Minnesota, N.Y.	WTHE 1520
Leonierster, Mass.	WLMS 1000	Lufkin, Tex.	KRBA 1340		WTIL 1300	Minneapolis, Minn.	KMOD 1510
Leonardtown, Md.	WKIK 1370		KLUF 1420			Mineral Wells, Tex.	KORC 1140
Leone, Am. Samoa	WVUV 1120	Lumberton, N.C.	WAGR 580	Mayfield, KY	WNGO 1320	Minneapolis-St. Paul, MN	WCCO 830
Levelland, Tex.	KLVT 1230		WBSB 1430		WYMC 1430		KDWB 630
Lewittown, Pa.	WECB 1490		WRAA 1330	Mayodan, N.C.	WYMN 1420		WRRD 1330
Lewisburg, PA	WTG 1010	Luray, Va.	WVLM 1080	Maryville, N.D.	KMAM 1520		KEYY 1400
	WYMC 430	Luverne, Ala.	KQAD 800	Maryville, Ky.	WFT 1440		WMSD 1370
Lewisburg, Tenn.	WJIM 1490	Luverne, Minn.	KQAD 800	McAlester, Okla.	KTMC 1400		WDGJ 1130
Lewisport, KY	WKCM 1140	Lynchburg, Va.	WLNJ 1290		KNED 1150		WWTG 1280
Lewiston, Idaho	KRLC 1350		WLSA 1340	McAllen, Tex.	KRIO 910		KTCR 690
	KOZE 1300		WLL 930	McCall, Ida.	KMCL 1240		KTIS 900
Lewiston, Maine	WCOU 1240		WLGJ 1320	McCamie, Texas	KAMY 1450		KUGM 770
	WJAM 1470		WVDD 1240	McComb, Miss.	WKX 1140		KSTP 1500
Lewistown, Mont.	WLAM 1230	Lynn, Mass.	WLYN 1360	McConnellisburg, PA	WVFC 1530	Minocqua WI	WFBZ 1570
Lewistown, Pa.	WKVA 920	Lyons, Ga.	WBBT 1340	McCook, Nebr.	KBRJ 1300	Minot, ND	KKOA 1390
	WMRF 1490	Machias, Me.	WBGJ 1400	McFarland, Cal.	KICX 1360		KHRT 1320
Lexington, Ky.	WLAP 830	Macomb, Ill.	WKAI 1510	McFarlane AR	WCEM 1500	Missan, Kans.	KBEA 1480
	WBLG 1300	Macon GA	WBML 900	McKeesport, Pa.	KVSA 2220	Mission, Tex.	KRT 1580
	WVLC 580		WCXY 900		WEDO 810	Missoula, Mont.	KGRZ 1450
Lexington, Miss.	WXTG 1000		WDDO 1240		WIXZ 1360		KYLT 1340
Lexington, Mo.	KLEX 1570		WDBN 1500	McKenzie, Tenn.	WHDH 1440		KYSS 930
Lexington, Neb.	KRVN 880		WBSB 1200	McKinney, Tex.	KYAL 1600	Mitchell, S.Dak.	KORN 1490
Lexington, N.C.	WBXY 1440		WNSJ 1440	McLeansboro, IL	WMCL 1060	Moab, Utah	KURA 1450
Lexington, Tenn.	WDXL 1490		WNEA 940	McMinnville, Ore.	KMCM 1500	Moberly, Mo.	KWX 1230
Lexington, Va.	WREL 1450		WNEA 940	McMinnville, Tenn.	WABC 980	Mobile AL	WUNI 1410
Lexington, Va.	WFTX 920		WNL 1400		WAKI 1230		WABB 1480
Little Falls, N.Y.	WVOS 1240		WNT 1500	McPherson, Kans.	KNEK 1540		WGO 900
Little Falls, N.Y.	KFXE 1050		WNT 1500	McRae, Ga.	WDX 1410		WMOO 1550
Little Falls, N.Y.	KTOH 1350		WNT 1500	Meadville, Pa.	WGW 1490		WMOB 840
Lithue, Hawaii	WIMA 1150		WNT 1500	Mechanville, N.Y.	WMVI 1070		WKR 710
Litua, Ohio	WGT 940		WNT 1500	Medburne, Wis.	WDX 1080		WLIQ 1360
	WPRC 1370		WNT 1500	Medford, Oreg.	WVEL 1430	Moberidge, S.Dak.	KOLY 1300
	WLKN 1450		WNT 1500		KMED 1440	Mocksville, N.C.	WDSL 1520
Lincoln, Me.	WLFR 1240		WNT 1500		KSHA 860	Modesto, Calif.	KTRB 880
Lincoln, Nebr.	KLIN 1400		WNT 1500		KBOY 730		KBEE 970
	KLMS 1480		WNT 1500		KRVB 1300		KFI 1280
	KLWA 1470		WNT 1500		KYJC 1230		KDOL 1340
	KLWA 1470		WNT 1500		KWBE 1480		WQUA 1230
Lincoln City OR	KBCA 1380		WNT 1500		WMMB 1240	Monahan, Tex.	KVKM 1330
Lincolnton, N.C.	WLON 1050		WNT 1500		WMEL 920	Moncks Corner, S. C.	
Linnville, Ala.	WANL 1540		WNT 1500		WHBO 580		WBER 950
Linton, Ind.	WBTO 1600		WNT 1500		WWEI 1490	Monett, Mo.	KRMO 890
Litchfield, Ill.	WSMI 1600		WNT 1500		WNC 790	Monette AR	KBI 1560
Litchfield, Minn.	KLFD 1410		WNT 1500		WDIA 1070	Monmouth, Ill.	WRAM 1330
Little Falls, Minn.	KLTF 980		WNT 1500		WMPB 660	Monroe, Ga.	WKUN 1580
Little Falls, N.Y.	WLFF 1230		WNT 1500		WLOK 1340		WKUN 1580
Littlefield, Tex.	KZZN 1490		WNT 1500		WMQM 1480		WREB 1490
Little Rock AR	KARN 920		WNT 1500		WREC 800	Monroe, La.	KMLB 1440
	KALO 1250		WNT 1500		KWAM 890		KLIC 1230
	KLRA 1010		WNT 1500		KBGH 1150	Monroe, MI	KNOE 640
	KOKY 1440		WNT 1500		KWA 480	Monroe, N.C.	WIXE 1190
	KAA 1090		WNT 1500		WGLG 1090		WMAP 1060
	KSCH 1050		WNT 1500		KMFB 1300	Monroe, Wis.	WEKZ 1260
Littleton, Colo.	KDKO 1510		WNT 1500		WAGN 1340	Monroeville AL	WMFC 1360
Littleton, N. H.	WLTN 1400		WNT 1500		WHNE 1360		
Live Oak, Fla.	WNER 1250		WNT 1500				

U.S. AM STATIONS BY LOCATION

Table with 4 columns: Location, Call kHHz, Location, Call kHHz, Location, Call kHHz, Location, Call kHHz. Lists radio stations across various US locations.

U.S. AM STATIONS BY LOCATION

Location	Call	kHz	Location	Call	kHz	Location	Call	kHz	Location	Call	kHz
Pine City, Minn.	WHLH	1190	Preston, Idaho	WEGP	1390	Ridgecrest, Cal.	KLOA	1240	St. Joseph, Mo.	KFEQ	880
Pinellas Park, Fla.	WCMP	1350	Preston, Minn.	KPST	1340	Ridgefield, CT	KZIQ	1360		KKJQ	1550
Pineville, Ky.	WFSO	570	Prestonsburg, Ky.	KPST	1060	Ridgefield, S.C.	KZIQ	1360		KKJQ	1550
Pineville, LA	WANO	1230	Price, Utah	WDCO	1370	Ripley, Miss.	WVFR	850	St. Louis MI	KUSN	1270
Pineville, W. Va.	KPAL	1110	Prichard AL	KOAL	1310	Ripon, Wis.	WBUG	1450	St. Louis, Mo.	WMLM	1540
Pipestone, Minn.	WYQ	1070	Princeton, Ill.	KWKL	1270	Rite, Colo.	KWSR	810		KATZ	1600
Piqua, Ohio	KLOH	1050	Princeton, Ind.	WZOE	1490	Rio Piedras, P.R.	WUNO	1320		KMOX	1120
Pittsburg, Calif.	WPTW	1570	Princeton, Ky.	WRAY	1250	Ripley, Tenn.	WSPA	1260		KSD	550
Pittsburg, Kans.	KKIS	990	Princeton, Minn.	WPYK	1580	Ripon, Wis.	KSL	890		KTKL	850
	KOAM	860	Princeton, N.J.	WQPM	1300	River Falls, Wis.	WCWC	1600		KWK	920
	KSEK	1340	Princeton, N.Y.	WHWH	1350	Riverhead, N.Y.	WEVR	1550		KXOK	630
Pittsburgh, Pa.	KDKA	1020	Prineville, Oreg.	WAQY	1490	Riverside, CA	WRIV	1390		WEW	770
	KBY	1410	Prosser, Wash.	KRCO	920		WRON	1570		WIL	1430
	WAMO	860	Prichard AL	KARY	1310		KPRO	1440	St. Louis Park, Minn.	KXEN	1010
	WKPQ	1320	Providence, R.I.	WKSJ	1270	Riverton, Wyo.	KHNY	1570		KRSI	950
	WPIT	730		WEAN	790	Riviera Beach FL	KVOW	1450	St. Maries ID	KOFE	1480
	WTAE	1250		WHIM	1110	Roanoke AL	WPOM	1600	St. Mary's, Pa.	WKBI	1400
	WEEP	1080		WICE	1290	Roanoke, Va.	WELR	1380	St. Matthews, SC	WQKI	710
	WFSW	970		WJAR	920		WFR	960	St. Paul MN (see Minneapolis)		
Pittsfield, Ill.	WBA	1390		WKX	990		WFRS	1410	St. Paul MN		
Pittsfield, Mass.	WBEC	1420		WPRO	830	Roanoke Rapids, N.C.	WTOY	910	St. Pauls NC	WLAB	1060
	WBRK	1340	Provo, Utah	WRIB	1220		WROV	1240	St. Peter, Minn.	KRBI	1310
	WGRG	1110		KIXX	1400		WSLC	610	St. Petersburg, Fla.	WWBA	680
	WARD	1540		KFTN	1400		KHNY	1570		WSUN	620
Plainfield, N.J.	WERA	1690		KEYY	1450		WCBT	1230		LYC	1580
Plainview, Tex.	KVOP	1400		KOVO	960	Roaring Springs, Pa.	WKMC	1370	St. Petersburg Beach, Fla.	WRXB	1590
	KLBN	1090		KKYG	960		WTAY	1570		WGGO	1590
Plant City, Fla.	WFLA	910	Pryor, Okla.	KOK	1570		KROB	1510	Salamanca, N.Y.	WJBD	1350
Plattsville, Wis.	WSWV	1690	Pueblo, Colo.	KDZA	1230		WRHL	1060	Salem, Ill.	WLSM	1220
Plattsburgh, N.Y.	WEAV	960		KAPI	690		KROB	1510	Salem, Ind.	WESX	1230
	WIRY	1340		KCSJ	590		KWEG	1270	Salem, Mass.	KSMO	1340
	WKDR	1070		KFEL	970		KKEE	1520	Salem, Mo.	WJW	1110
Plattsmouth, Neb.	KOTD	1000		KIDN	1400	Rochester, N.H.	WVBF	950	Salem, N.J.	WJIC	1510
Pleasanton, Tex.	KTOP	1390		KIDN	1400	Rochester, N.Y.	WVBF	950	Salem, O.	WSOM	800
Pleasantville, N.J.	WOND	1400		KIDN	1400		WVBF	950		KBLM	1390
Plymouth, Ind.	WTCB	1050	Pulaski, Tenn.	WPKV	1490		WVBF	950		KCCS	1220
Plymouth, Mass.	WPLM	1390	Pulaski, Va.	WPKV	1490		WVBF	950		KCCZ	1490
Plymouth, N.C.	WPNC	1470		WPUV	1590		WVBF	950		KGAY	1490
Plymouth, N.H.	WPNH	1300		WBLB	1510		WVBF	950		KVRH	1480
Plymouth, Wis.	WPW	1420		WBLB	1510		WVBF	950		KAL	1150
Poasontas AR	KPOC	1420		WBLB	1510		WVBF	950		KFRM	550
Pocatello, Idaho	KSEI	930		WBLB	1510		WVBF	950		KINA	910
	KWIK	1240		WBLB	1510		WVBF	950		KDON	1460
	KSNM	1290		WBLB	1510		WVBF	950		KTPM	1360
Pocmonoke City, Md.	WDMV	540		WBLB	1510		WVBF	950		KCTY	960
Polson, MT	KERR	1070		WBLB	1510		WVBF	950		KXES	1570
Pomona, Calif.	KWDW	1600		WBLB	1510		WVBF	950		WHOY	1210
	KLIT	1220		WBLB	1510		WVBF	950		WNR9	1290
Pompton, Lakes, N. J.	WKER	1500		WBLB	1510		WVBF	950		WBOC	960
Pompano Beach FL	WPIP	980		WBLB	1510		WVBF	950		WICQ	1320
	WRBD	1470		WBLB	1510		WVBF	950		WJY	1590
Ponea, City, Okla.	WBBZ	1230		WBLB	1510		WVBF	950		WSTP	1490
Ponea, P.R.	WPRP	910		WBLB	1510		WVBF	950		WSAT	1280
	WEUC	1420		WBLB	1510		WVBF	950		KBJS	1510
	WFED	550		WBLB	1510		WVBF	950		KRBB	1560
	WLED	1170		WBLB	1510		WVBF	950		KSRA	960
	WISQ	1260		WBLB	1510		WVBF	950			
	WZBS	1490		WBLB	1510		WVBF	950			
Pontiac, Ill.	WPDK	1080		WBLB	1510		WVBF	950			
Pontiac, Mich.	WPON	1480		WBLB	1510		WVBF	950			
Pontotoc, Miss.	WSEL	1440		WBLB	1510		WVBF	950			
Pooxi, Ind.	WVAK	1580		WBLB	1510		WVBF	950			
Poplar Bluff, Mo.	KWOC	930		WBLB	1510		WVBF	950			
	KLID	1340		WBLB	1510		WVBF	950			
Poplarville, Miss.	WRPM	1530		WBLB	1510		WVBF	950			
Portage MI	WBUK	1560		WBLB	1510		WVBF	950			
Portage PA	WRML	1470		WBLB	1510		WVBF	950			
Portage, Wis.	WPDR	1350		WBLB	1510		WVBF	950			
Portageville, Mo.	KMIS	1050		WBLB	1510		WVBF	950			
Portales, N. Mex.	KEN	1350		WBLB	1510		WVBF	950			
Port Angeles, Wash.	KAPY	1290		WBLB	1510		WVBF	950			
	KONP	1450		WBLB	1510		WVBF	950			
Port Arthur TX	KOLE	1340		WBLB	1510		WVBF	950			
	KPAC	1510		WBLB	1510		WVBF	950			
	KYKR	1250		WBLB	1510		WVBF	950			
Porterville, Calif.	KTRF	1450		WBLB	1510		WVBF	950			
Port Gibson, MS	WKPG	1320		WBLB	1510		WVBF	950			
	WPGR	1520		WBLB	1510		WVBF	950			
Port Hueneme, Calif.	KACY	1520		WBLB	1510		WVBF	950			
Port Huron, Mich.	WHL5	1450		WBLB	1510		WVBF	950			
	WPHM	1380		WBLB	1510		WVBF	950			
Port Jervis, N.Y.	WDLR	1480		WBLB	1510		WVBF	950			
Port Lavaca, Tex.	KGUL	1560		WBLB	1510		WVBF	950			
Portland, IN	WPGW	1440		WBLB	1510		WVBF	950			
Portland, Maine	WCSH	970		WBLB	1510		WVBF	950			
	WGAN	560		WBLB	1510		WVBF	950			
	WLOB	1310		WBLB	1510		WVBF	950			
	WPOR	1490		WBLB	1510		WVBF	950			
Portland, Oreg.	KBOP	1450		WBLB	1510		WVBF	950			
	KLIO	1290		WBLB	1510		WVBF	950			
	KEX	1190		WBLB	1510		WVBF	950			
	KGV	620		WBLB	1510		WVBF	950			
	KKEY	1150		WBLB	1510		WVBF	950			
	KOIN	970		WBLB	1510		WVBF	950			
	KPAN	1410		WBLB	1510		WVBF	950			
	KDOP	800		WBLB	1510		WVBF	950			
	KUPL	1330		WBLB	1510		WVBF	950			
	KWJJ	1080		WBLB	1510		WVBF	950			
	KKL	750		WBLB	1510		WVBF	950			
Port Neches, TX	KSUZ	1150		WBLB	1510		WVBF	950			
Port St. Joe, Fla.	WJDE	1080		WBLB	1510		WVBF	950			
Portsmouth, N.H.	WBEY	1360		WBLB	1510		WVBF	950			
	WHEX	750		WBLB	1510		WVBF	950			
Portsmouth, Ohio	WPAV	1400		WBLB	1510		WVBF	950			
	WNXT	1260		WBLB	1510		WVBF	950			
Portsmouth, VA	WPCE	1400		WBLB	1510		WVBF	950			
	WHNE	1350		WBLB	1510		WVBF	950			
	WPMH	1010		WBLB	1510		WVBF	950			
Port Sulphur LA	WAGY	1510		WBLB	1510		WVBF	950			
Port Washington, Wis.	WGLB	1560		WBLB	1510		WVBF	950			
	KPOS	1370		WBLB	1510		WVBF	950			
	KLCO	1280		WBLB	1510		WVBF	950			
Post, Tex.	KCTN	1500		WBLB	1510		WVBF	950			
Potomac-Gabin John, Md.	WYCT	1280		WBLB	1510		WVBF	950			
Potsdam, N.Y.	WPDM	1470		WBLB	1510		WVBF	950			
Pottstown, Pa.	WPAZ	1370		WBLB	1510		WVBF	950			
Pottsville, Pa.	WPAM	1480		WBLB	1510		WVBF	950			
	WPPA	1360		WBLB	1510		WVBF	950			
Poughkeepsie, N.Y.	WEDQ	1390		WBLB	1510		WVBF	950			
	WFPF	1450		WBLB	1510		WVBF	950			
Powell, Wyo.	KPOW	280		WBL							

U.S. AM STATIONS, BY LOCATION

Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
San Luis Obispo, Calif.	WKAQ 580 WKVM 810 WOSO 1030 WBBS 630 WKAI 1520	Shippensburg, Pa.	WSHP 1480	Stamford, Tex.	KDWT 1400	Thomasville, AL	WTGA 1590
San Marcos, TX	KATY 1340 KSly 1400 KVEC 920 KONY 1470 KOFI 1050	Show Low, AZ	WKVSL 1450	Stamford, Ky.	WRSL 1520	Thomasville, Ga.	WPAX 1240 WLDR 730 WTNS 1300
San Mateo, Calif.	KTFM 1510	Shreveport, La.	KBCL 1220 KQZ 710 KOKA 1550 KJOE 1480 KCIJ 980 KRMD 1340 KWKH 1130	Stanton, KY	WBFG 1470	Thomasville, N.C.	WTNC 1240
San Rafael, CA	KBAL 1410	Sidney, Mont.	KFLO 1300	Starkville, Miss.	WKOT 980 WSSO 1230 WMAJ 1450 WRSC 1390 WVNS 1240	Thomson, Ga.	WTWA 1240 WTHO 1530 KGOE 850
San Sabal, Tex.	WFBA 1460	Sidney, Nebr.	KGCC 1480	State College, Pa.	WPTB 850 WDBM 550 WTON 1240 WKDW 900	Thousand Oaks CA	KGOE 850
San Sebastian, P.R.	KWIZ 1480 KDB 1490 KIST 1340 KIMS 1250 KKIO 1290	Sidney, O.	WSM 340 WVVR 1080	Statesboro, Ga.	WVNS 1240 WVNS 1240	Three Rivers, Mich.	WGLM 1510 WTHU 1450
Santa Ana, Calif.	KWIZ 1480 KDB 1490	Sierra Vista AZ	KTAN 1420	Statesville, N.C.	WVNS 1240 WVNS 1240	Thurmont, Md.	WGLM 1510 WTHU 1450
Santa Barbara, Cal.	KIST 1340 KTMS 1250 KKIO 1290	Sikeston, Mo.	KSIM 1400	Stirling, Ill.	WVNS 1240 WVNS 1240	Titusville, FL	WRMP 1080 WTVV 1230
Santa Calra, CA	KNTA 1430	Siler City, N.C.	WNCA 1570	Stirling, Ohio	WVNS 1240 WVNS 1240	Titusville, Pa.	WLET 1420
Santa Cruz, Calif.	KSOO 1080	Sligo Springs AR	KTUA 1290	Stevens Point, Wis.	WVNS 1240 WVNS 1240	Toledo, Ohio	WOHO 1470 WSPD 1370 WTD 1560 WCWA 1230 WGOR 1520
Sante Fe, N.Mex.	KTRC 1400 KAF 810 KFSF 1260	Silsbee, Tex.	KKAS 1300	Stillwater, Minn.	WVNS 1240 WVNS 1240	Toledo, Ore.	KTDO 1230
Santa Maria, Cal.	KUHL 1440 KSMA 1240 KSEE 1480 KZON 1600	Silver City, N.Mex.	KSIL 1340	Stillwater, Okla.	WVNS 1240 WVNS 1240	Tolleson AZ	KROS 1190
Santa Monica, Cal.	KDAY 1580	Silver Spring MD	WGAY 1050	Stirling, N.J.	WVNS 1240 WVNS 1240	Tollah, N.D.	KTGO 1080
Santa Paula, CA	KAP 1400	Simcoe, Ont.	CFRS 1560	Stirling, Ohio	WVNS 1240 WVNS 1240	Tolmah, Wis.	WYLS 810
Santa Rosa, Calif.	KSRO 1350 KVRE 1480 KJAX 1150	Sinton, Tex.	KIKN 1590	Sturgis, Mich.	WVNS 1240 WVNS 1240	Tombahawk WI	WYLS 810
Santa Rosa, N.Mex.	KSYX 1420	Sioux Center, Iowa	KVDB 1090	Sturgis, S.D.	KBHB 810	Tonawanda, Pa.	WTTC 1550
Sarane Lake, N.Y.	WNYB 1240	Sioux Falls, S.Dak.	KWSL 1470 KISD 1230 KCHF 1520 KELO 1320 KNWC 1270	Stuttgart, AR	KWAK 1240	Townsend, N.Y.	WTCC 1550
Sarasota, Fla.	WQSA 1220 WSPB 1450 WYND 1280	Slitka AK	KKWF 1420 KSEW 1400	Suffolk, VA	WFOG 1450	Townsend, Pa.	WTTC 1550
Saratoga Springs, N.Y.	WKAJ 900	Skowhegan, Me.	WWSK 1150	Sullivan, Ind.	WKVQ 1550	Towanda, Pa.	WTTC 1550
Sauk Rapids, Minn.	WVAL 800	Skowhegan, Me.	WWSK 1150	Sullivan, Mo.	KTUI 1560	Towson, MD	WTOW 1570
Sault Ste. Marie, Mich.	W300 1230 WQQT 1450	Slaton, Tex.	KCAS 1050	Sulphur, LA	KEZM 1311 KSST 1230	Travelers Rest, S.C.	WBBR 1580 WTCM 1400
Savannah GA	WEAS 900 WVAS 630 WSGA 1400 WZON 1200	Slidell LA	WSDL 1560	Summiton AL	WVNS 1240	Traverse City, Mich.	WTCM 1400 WVNS 1240
Savannah, Tenn.	WORM 1010	Smithfield, N.C.	WMPM 1270	Summerville, Ga.	WGTA 950	Trenton, Mo.	KTIN 1600
Sayre, Pa.	WATS 960	Smithfield, VA	WEOG 940	Summerville, S.C.	WAZS 980	Trenton NJ	WTNJ 1300 WBUD 1260 WTTM 920
Schenectady, N.Y.	WGY 810	Smithfield, Tenn.	WJLE 1480	Summer, Wash.	KDFF 1560	Trenton, Tenn.	WTNE 1600
Scotland Neck, N.C.	WYAL 1280	Smyrna, Ga.	WYNS 1550	Sumter, S.C.	WFIG 1290 WDXV 1240 WSSC 1340	Trinidad, Colo.	WCFR 1240
Scott City, Kans.	KNEB 980	Snyder, Tex.	KSNY 1450	Sunbury, Pa.	WVNS 1240 WVNS 1240	Troy, N.Y.	WHAZ 1330 WTRY 980
Scottsbluff, Nebr.	KOLT 1320 WCRI 1050 WROS 1330 KDOT 1440	Socorro, N.Mex.	KSRG 1290	Sunnyside, Wash.	KREW 1230	Troy, N.C.	WIRM 1390
Scottsboro AL	WROS 1330 WCRS 1050 WRCS 1050	Soda Springs, Ida.	KBRV 790	Superior, Nebr.	KRFS 1600	Truckee, Cal.	KTRO 1400
Scottsdales AZ	KDOT 1440	Soddy-Daisy TN	WPJD 1550	Superior, Wis.	WDSM 710 WAKX 970	Truman AR	KXRR 1530
Seaford, DE	WSPF 1450	Soddy-Daisy TN	WPJD 1550	Susquehanna, Pa.	WVNS 1240 WVNS 1240	Truth or Consequences, N.Mex.	KCHS 1400
Seaford, VA	WVNS 1240	Soldotna AK	KSRM 820	Sutton, W.Va.	WSGG 800	Tucson AZ	KXEW 1600 KAIR 1490 KGE 790 KIKX 580 KGBU 1290 KEVT 690 KMGX 930 KHYY 1340 KTKT 990 KOPF 570 KUAT 1550
Seaside, Ore.	KAYO 1150	Somersa, N.Mex.	KSRG 1290	Swainsboro, Ga.	WXRS 1590	Tulacoma, Wash.	KMO 1360
Seattle, Wash.	KIXI 910 KING 1090 KIRO 710 KJR 950 KMPG 1300 KMG 1000 KZOK 1590 KYAC 1250 KVI 570 KXA 770	Somermet, Pa.	WVBC 900	Sweet Home, Ore.	KFIR 1370	Tacoma, Wash.	KTAC 850 KTNT 1400 KVI 570 KTKR 1310 KTLL 1350
Sebring, Fla.	KBLE 1050	Somerville, N.J.	WBRW 1170	Sweetwater, Tenn.	KXOX 1240	Tahoe Valley, Calif.	KTHO 590 WEYY 1580 WNUZ 1230
Sedalia, Mo.	WDKB 890 WELJ 630 WGBI 910 WICK 1400 WSCR 1320	Soddy, Tenn.	WEDG 1240	Sylacauga AL	WVNS 1240 WVNS 1240	Tallahassee, Fla.	WVNS 1240 WVNS 1240 WVNS 1240 WVNS 1240 WVNS 1240
Sedona, AZ	KAZM 1470	Soddy-Daisy TN	WPJD 1550	Sylvania, Ga.	WVNS 1240 WVNS 1240	Tallapoosa, GA	WKNG 1060
Seguin, Tex.	KWED 1580	Soldotna AK	KSRM 820	Sylva, NC	WVNS 1240	Tallapoosa, GA	WKNG 1060
Salinasgrove, Pa.	WSEW 1240	Soldotna AK	KSRM 820	Sylvania, Pa.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Salina AL	WAMA 1340 WMB 1400 WTDX 1570	Soldotna AK	KSRM 820	Talulnah, La.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Salina, N.C.	WVNS 1240	Soldotna AK	KSRM 820	Tampa, Fla.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Selmer, Tenn.	WVNS 1240	Soldotna AK	KSRM 820	Tarboro, N.C.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Seminole, Tex.	KIKZ 1250	Soldotna AK	KSRM 820	Tarpon Springs FL	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Senatobia, Miss.	W3AD 1550	Soldotna AK	KSRM 820	Tasley, Va.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Seneca Falls, N.Y.	W3FW 1110	Soldotna AK	KSRM 820	Taunton, Mass.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Seneca Township, S.C.	W3SNW 1150	Soldotna AK	KSRM 820	Texas City, Mich.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sevierville, Tenn.	W3SEV 930	Soldotna AK	KSRM 820	Taylor, Tex.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Seward, AK	K3RXA 950	Soldotna AK	KSRM 820	Taylorville, NC	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Seymour, Ind.	W3GJD 1390	Soldotna AK	KSRM 820	Taylorville, Ill.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Seymour, Tex.	K3SEY 1230	Soldotna AK	KSRM 820	Tazewell, Tenn.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shakopee, Minn.	K3SMH 1530	Soldotna AK	KSRM 820	Tazewell, Va.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shalotte, N.C.	W3SLS 1410	Soldotna AK	KSRM 820	Taylor City, Ind.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shamokin, Pa.	W3WIS 1480	Soldotna AK	KSRM 820	Tempe AZ	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shamrock, Tex.	KBYP 1580	Soldotna AK	KSRM 820	Temple, Texas	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sharon, Pa.	W3PIC 790	Soldotna AK	KSRM 820	Terre Haute, Ind.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shawano, Wis.	W3TGH 980	Soldotna AK	KSRM 820	Terrill, Tex.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shawnee, Okla.	K3GFF 1450	Soldotna AK	KSRM 820	Terrill Hills, Tex.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sheboygan, Wis.	W3HBL 1330 W3KTS 950	Soldotna AK	KSRM 820	Terrytown, Nebr.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sheffield AL	W3SHF 1290	Soldotna AK	KSRM 820	Texarkana AR	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelby, Mont.	K3SEW 1150	Soldotna AK	KSRM 820	Texarkana, Tex.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelby, N.C.	W3SHS 730 W3ADA 1390	Soldotna AK	KSRM 820	Texarkana, TX-AR	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelbyville, Ill.	W3SHY 1560	Soldotna AK	KSRM 820	Texas City, Tex.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelbyville, Ind.	W3SLL 1520	Soldotna AK	KSRM 820	Thayer, Mo.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelbyville, Ky.	W3WCD 940	Soldotna AK	KSRM 820	The Dalles, OR	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelbyville, Tenn.	W3HAL 1400	Soldotna AK	KSRM 820	Thermopolis, Wyo.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sheldon, Iowa	W3SLS 1410	Soldotna AK	KSRM 820	Thief River Falls, Minn.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shel Lake, Wis.	W3CSW 940	Soldotna AK	KSRM 820	Thibodaux, La.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shelton, Wash.	W3MAS 1280	Soldotna AK	KSRM 820	Thomaston, Ga.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shenandoah, Iowa	K3MFA 960 K3FNF 920	Soldotna AK	KSRM 820	Thomasville, Ga.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Shenandoah, Pa.	W3MBT 1530	Soldotna AK	KSRM 820	Thomasville, N.C.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sheridan, Wyo.	W3BYD 1410 K3KIM 910	Soldotna AK	KSRM 820	Thomasville, N.C.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240
Sherman, TX	K3KIM 910 K3XTO 1500	Soldotna AK	KSRM 820	Thomasville, N.C.	WVNS 1240 WVNS 1240	Tallahassee AL	WVNS 1240

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KBBQ	Ventura-Oxnard, CA	1500	KCCO	Lawton, Okla.	1050	KDDM	Windom, Minn.	1580	KFLD	Shreveport, LA	1300
KBBR	North Bend, Oreg.	1340	KCCR	Pierre, S. D.	1240	KDDN	Salinas, Calif.	1460	KFLP	Floydada TX	900
KBBS	Buffalo, Wyo.	1450	KCCS	Salem, OR	1220	KDOV	Ashland OR	1380	KFLS	Klamath Falls OR	1420
KBBV	Big Bear Lake, CA	1050	KCCB	Corpus Christi, Tex.	1150	KDQN	DeQueen, AR	1390	KFLY	Corvallis, Oreg.	1450
KBCC	Cuba, MO	1410	KCCV	Independence, Mo.	1510	KDRG	Deer Lodge, Mont.	1400	KFMB	San Diego, Cal.	760
KBCB	Lincoln City OR	1380	KCEE	Tucson AZ	790	KDRO	Sedalla, Mo.	1490	KFMJ	Tulsa, Okla.	1050
KBCI	Shreveport, La.	1220	KCEY	Turlock, Cal.	1390	KDRS	Paraquid AR	1480	KFML	Denver, Colo.	1390
KBCR	Steamboat Springs, CO	1230	KCGI	Mendocino, CA	1490	KDSI	Alamo Hts., Tex.	1110			
KBCQ	Roswell, NM	1020	KCGS	Marshall, AR	1600	KDSN	Denison, Ia.	1530	KFMO	Flat River, Mo.	1240
KBDF	Eugene, OR	1280	KCHA	Charles City, Iowa	1580	KDSX	Denison-Sherman, Tex.	950	KFNV	Ferriday, La.	1600
KBEA	Mission, Kans.	1480	KCHE	Cherokee, Iowa	1440	KDTA	Delta, Colo.	1400	KFNW	Fargo ND	1170
KBEC	Waxahachie, Tex.	1390	KCHF	Sioux Falls, S.D.	1520	KDTH	Delta, Colo.	1400	KYFR	Shenandoah, IA	920
KBEE	Modesto, Calif.	970	KCHI	Chillicothe, Mo.	1010	KDUB	Dubuque, Iowa	1370			
KBEL	Idabel, Okla.	1240	KCHJ	Delano, Calif.	1010	KDUN	Reedsport, Oreg.	1470	KFOR	Lincoln, Nebr.	1240
KBEN	Carrizo Sprngs., Tex.	1450	KCHK	New Prague, MN	1350	KDUZ	Hutchinson, Minn.	1260	KFPW	Fort Smith AR	1230
KBET	Reno, Nev.	1340	KCHR	Charleston, Mo.	1350	KDWA	Hastings, Minn.	1460	KFQD	Anchorage AK	750
KBEW	Blue Earth, Minn	1560	KCHS	Truth or Consequences, New Mexico	1400	KDWB	Minneapolis-St. Paul MN	830	KFRA	Franklin, LA	1390
KBFI	Bonniers Ferry ID	1450	KCHV	Coachella, Calif.	970	KDOWN	Las Vegas, NV	720	KFRB	Fairbanks AK	900
KBF5	Belle Fourche, S.Dak.	1450	KCIA	Humble City, N. Mex.	1110	KDWT	Stamford, Tex.	1400	KFRS	San Francisco, Calif.	610
KBFW	Belleville, Wash.	930	KCID	Caldwell, Idaho	1490	KDXX	Little Rock, AR	1390	KFRE	Roseburg-Richmond, Tex.	980
KBGG	Merlet, TX	1500	KCIJ	Washington, Iowa	1390	KDXL	Mansfield, La.	1360	KFRF	Fresno, Calif.	940
KBCH	Memphis, Tex.	1150	KCIK	Shreveport, La.	980	KDXU	St. George, UT	1450	KFRM	Salina, Kan.	1280
KBGN	Caldwell, ID	1060	KCIM	Carroll, Iowa	1380	KDYL	Tooele, Utah	1950	KFRN	Long Beach CA	1550
KBHB	Sturgis, S. D.	810	KCIN	Victorville, Calif.	1590	KDZA	Pueblo, Colo.	1230	KFRP	Longview, Tex.	1370
KBHC	Nashville AR	1260	KCIB	Minot, N.Dak.	910	KEAN	Abiene TX	1230	KFRU	Columbia, Mo.	1450
KBHM	Branson, Mo.	1220	KCII	Iowa City, IA	1560	KEAP	Fresno, Calif.	960	KGSA	Fort Smith AR	950
KBHS	Holt Springs AR	590	KCKC	San Bernardino, Cal.	1350	KECH	Keokuk, Ia.	1040	KFSB	Joplin, Mo.	1310
KBIB	Monette AR	1860	KCKW	Kansas City, Kans.	1480	KECK	Keokuk, Ia.	1040	KFST	Ft. Stockton, Tex.	860
KBIF	Fresno, Calif.	900	KCKY	Coolidge AZ	1180	KECA	San Antonio, Tex.	1540	KFTM	Ft. Morgan, Colo.	1400
KBIK	Lompoc, CA	1400	KCLA	Pine Bluff AR	1400	KEDD	Dodge City, Kans.	1550	KFTN	Provo, UT	1400
KBLR	Liberty, Mo.	1140	KCLD	St. Cloud, NM	1450	KEDO	Longview, Wash.	1490	KFTW	Fredericktown, Mo.	1450
KBIM	Roswell, N.Mex.	910	KCLE	Cleburne, Tex.	1420	KEED	Eugene, Oreg.	1240	KFUN	Las Vegas, N.Mex.	1230
KBIX	Muskogee, Okla.	1490	KCLK	Clarkston, Wash.	1130	KEEG	Newton, Ia.	1400	KFYD	Clayton, Mo.	920
KBJM	Lemmon, S.D.	1400	KCLM	Redding, Cal.	1330	KEEG	Newton, Ia.	1400	KFYF	Cape Girardeau, Mo.	960
KBJS	Sallisaw, Okla.	1510	KCLN	Clinton, Iowa	1390	KEEL	Shreveport, La.	710	KFWB	Los Angeles, Calif.	980
KBIZ	Ottawa, Iowa	1240	KCLO	Leavenworth, Kans.	1410	KEEN	San Jose, Calif.	1570	KFWJ	Lake Havasu City AZ	980
KBIT	Fortyfour AR	1870	KCLR	Rails, Tex.	1500	KEEP	Twin Falls, Idaho	1430	KFXD	Nampa, Idaho	580
KBBK	Fort Madison, IA	1360	KCLS	Flagstaff AZ	600	KEES	Gladewater, Tex.	1430	KFXM	San Bernardino, Calif.	590
KBBQ	Baker, Oreg.	1460	KCLT	Lockhart, TX	1060	KEYE	Minneapolis-St. Paul MN	1400	KFYN	Bonham, Tex.	1420
KBBK	Aberdeen, Wash.	1450	KCLU	Rolla, Mo.	1590	KEGG	Dalingerfield, Tex.	1580	KFYU	Lubbock, Tex.	1490
KBBC	Lakeport, Cal.	1270	KCLV	Clovis, N.Mex.	1240	KEHG	Foston, Minn.	1480	KFYV	Bismarck, N.Dak.	550
KBLE	Seattle, Wash.	1050	KCLX	Colfax, Wash.	1650	KEIG	Great Falls MT	1310	KGA	Spokane, Wash.	1550
KBLF	Red Bluff, Calif.	1490	KCLY	Hamilton, Tex.	900	KELA	Centralia-Checkalla, Wash.	1470	KGA	Kirkland, WA	1480
KBLI	Blackfoot, Idaho	690	KCMC	Clarkston, Wash.	1130	KELD	El Dorado AR	1400	KGAF	Gainesville, Tex.	1560
KBLH	Helena, Mont.	1240	KCMJ	Palm Sprngs., Calif.	1010	KELI	Tulsa, Okla.	1430	KGAL	Gallop, N.Mex.	1330
KBLR	Bolivar, Mo.	1130	KCMO	Kansas City, Mo.	810	KELK	Elko, Nev.	1430	KGAR	Garland, Tex.	1590
KBLU	Yuma, Ariz.	560	KCMP	Brush, CO	1010	KELJ	Julesburg, S.Dak.	1320	KGAS	Cartage, Tex.	1430
KBLW	Logan, Utah	1390	KCMX	Ashland OR	580	KELP	Ei Paso, Tex.	920	KGAY	Salem, Oreg.	1430
KBLY	Gold Beach, Oreg.	1220	KCNB	Broken Bow, Nebr.	1290	KELY	Ely, Nev.	1270	KGB	San Diego, Calif.	1360
KBMI	Henderson, Nev.	1400	KCNO	Altura, Calif.	1070	KEMM	Marshallfield, Mo.	1510	KGBC	Galveston, Tex.	1540
KBMN	Bozeman, Mont.	1230	KCNW	Fairway, KS	1390	KENA	Mena AR	1450	KGBX	Springfield, Mo.	1260
KBMO	Benson, Minn.	1290	KCNY	San Marcos, Tex.	1470	KEND	Lubbock TX	1890	KGC	East Prairie, Mo.	1450
KBMR	Bismarck, N. D.	1350	KCOB	Newton, Iowa	1420	KENE	Eppenish, Wash.	1490	KGD	Sidney, Mo.	1090
KBMW	Wahpeton, N.D.-Breckenridge, Minn.	1450	KCOG	Centerville, Iowa	1200	KENP	Portales, N.Mex.	1450	KGDN	Edmonds, Wash.	630
KBMY	Billings, Mont.	1240	KCOH	Houston, Tex.	1430	KENN	Farmington, N.M.	1390	KGEE	Bakersfield, Calif.	1230
KBND	Bend, Oreg.	1110	KCOK	Tulare, Calif.	1270	KENO	Las Vegas, Nev.	1460	KGEM	Boise, Idaho	1140
KBNO	Denver, CO	1220	KCOL	Fort Collins, Colo.	1610	KENR	Houston, Tex.	1070	KGEN	Tulare, Calif.	1370
KBOA	Kennett, Mo.	830	KCOM	Comanche, Tex.	1550	KENT	Prescott, Ariz.	1340	KGER	Long Beach, Calif.	1390
KBOE	Oskaloosa, Iowa	740	KCON	Conway AR	1230	KENT	Aok, Okla.	1440	KGEE	Kalispell, Mont.	850
KBOI	Boise, ID	670	KCOR	San Antonio, Tex.	1350	KEOS	Flagstaff AZ	690	KGFF	Shawnee, Okla.	1450
KBOK	Milvern AR	1310	KCOV	San Antonio, Tex.	1400	KEPS	Eagle Pass, Tex.	1270	KGFL	Clinton, AR	1110
KBOL	Boulder, Colo.	1490	KCPX	Salt Lake City, Utah	1320	KERB	Kermitt, Tex.	600	KGFV	Kearney, Nebr.	1340
KBON	San Bernardino, Calif.	1240	KCRG	Cedar Rapids, Iowa	1600	KERC	Eastland, Tex.	1510	KGFV	Pierre, S.D.	1060
KBOP	Pleasanton, Tex.	1380	KCRJ	Reno, Nev.	750	KERE	Denver CO	710	KGGF	Cuffeyville, Kans.	690
KBOR	Brownsville, Tex.	1600	KCRS	Midland, Tex.	580	KERG	Eugene, Oreg.	1280	KGHI	Billings, Mont.	790
KBOX	Butte, Mont.	530	KCRT	Trinidad, Colo.	1240	KERS	Bakersfield, Calif.	1410	KGHM	Brookfield, Mo.	1470
KBOY	Dallas, TX	1490	KCRV	Caruthersville, Mo.	1370	KERR	Polson, MT	1070	KGHD	Houston, Wash.	1560
KBOZ	Portman, MT	1090	KCS	Pueblo, Colo.	590	KERV	Kerrville, Tex.	1230	KGHS	International Falls, Minn.	1230
KBPS	Bozeman, Oreg.	1450	KCSR	Chadron, Nebr.	610	KESM	Eldorado Spring, Mo.	1580	KGIL	San Fernando, Calif.	1260
KBRB	Ainsworth, Neb.	1490	KCTA	Corpus Christi, Tex.	1030	KEST	San Francisco, Calif.	1450	KGIV	Alamosa, Colo.	1450
KBRC	Mt. Vernon, Wash.	1420	KCTE	Southwest City, MO	1140	KETX	Livingston, Tex.	1440	KGK	San Angelo, Tex.	980
KBRE	Cedar City, Utah	920	KCTI	Gonzales, Tex.	1450	KEUN	Unleie, La.	1490	KGKO	Benton AR	850
KBRF	Fergus Falls, Minn.	1250	KCTO	Columbia, La.	1540	KEUY	Evansville, Wyo.	1240	KGKA	Gretta, La.	1540
KBRJ	Brinkley AR	1570	KCTY	Salinas, Calif.	980	KEVT	Tucson AZ	890	KGLC	Miami, Okla.	910
KBRJ	Boise ID	950	KCTZ	Childress, Tex.	1210	KEWJ	Topeka, Kans.	1440	KGLE	Glendive, Mont.	590
KBRK	Brookings, S.Dak.	1430	KCUB	Tucson AZ	1290	KEWQ	Paradise, Cal.	930	KGLM	Avalon, Calif.	740
KBRL	McCook, Nebr.	300	KCUE	Red Wing, Minn.	1250	KEWS	Cuero, TX	1600	KGLN	Glenwood Sprngs., Colo.	980
KBRN	Brighton, Colo.	800	KCUZ	Clifton AZ	1490	KEX	Portland, Oreg.	1190	KGLD	Mason City, Iowa	1300
KBRP	Bremerton, Wash.	940	KCVL	Colville, Wash.	1270	KEXO	Grand June., Colo.	1230	KGLU	Safford, Ariz.	1480
KBRK	Leadville, Colo.	1230	KCVR	Lodi, Calif.	1570	KEYE	Excelist Springs, Mo.	1400	KGMB	Honolulu Hawaii	590
KBR5	Springdale AR	1340	KCVS	Lampasas, Tex.	1450	KEYE	Perryton, Tex.	1450	KGMJ	Bellingham, Wash.	790
KBRT	Avalon, CA	740	KDAA	Ft. Bragg, Calif.	1430	KEYH	Houston, TX	850	KGMO	Cape Girardeau, Mo.	1220
KBRV	Soda Springs, Ida.	790	KDAB	Carrington, N.D.	1600	KEYJ	Jamestown, N.Dak.	1400	KGMR	Jacksonville AR	1500
KBRW	Barrow AK	680	KDAL	Duluth, Minn.	610	KEYL	Long Prairie, Minn.	1400	KGMS	Sacramento, Calif.	1380
KBRX	O'Neill, Nebr.	1350	KDAN	Minneapolis-St. Paul MN	1370	KEYN	Wichita KS	1410	KGMT	Fairbury, Neb.	1310
KBRZ	Fresno, Texas	1460	KDAP	Douglas, AZ	1450	KEYR	Terrytown, Nebr.	690	KGNB	New Braunfels, Tex.	1470
KBSF	Springhill, La.	1460	KDAV	Lubbock, Tex.	1450	KEYS	Provo, Utah	1450	KGNC	Amarillo, Tex.	1710
KBSN	Crane TX	810	KDAX	Santa Monica, Calif.	1580	KEYU	Ute, Ariz.	1400	KGND	Dodge City, Kans.	730
KBST	Big Spring, Tex.	1490	KDAZ	Albuquerque, N.M.	730	KEYV	Williston, N.Dak.	1360	KGNR	Sacramento CA	1320
KBTA	Batesville AR	1340	KDB	Santa Barbara, Calif.	1490	KEZE	Spokane, Wash.	1380			
KBTC	Houston, Mo.	1230	KDBM	Dillon, Mont.	1490	KEZM	Sulphur, LA	1310	KGO	San Francisco, Calif.	810
KBTD	Jamesboro AR	1420	KDBS	Alexandria, La.	1410	KEZY	Anahelma, Calif.	1190	KGOE	Thousand Oaks, Calif.	880
KBTN	Neosho, Mo.	1420	KDCE	Espanola, N.M.	970	KFAB	Omaha, NB	1110	KGOL	Palm Desert, CA	1270
KBUS	Sparks, Nev.	1270	KDD	Dumas AR	1580	KFAS	Los Angeles, Calif.	1330	KGOS	Torrington, Wyo.	1490
KBUC	San Antonio, Tex.	1310	KDDD	Dumas, Tex.	800	KFAH	Lakewood Center, Wash.	900	KGRB	West Covina, Cal.	900
KBUD	Athens, Tex.	1410	KDDR	Oakes ND	1220	KFAL	Fulton, Mo.	1480	KGRI	Henderson, Tex.	1000
KBUF	Garden City, KS	1050	KDEN	Denver, Colo.	1340	KFAR	Fairbanks AK	860	KGRD	Bend, Oreg.	940
KBUG	Springfield MO	1080	KDES	Palmer Sprngs., Calif.	930	KFAY	San Francisco, Calif.	1100	KGRN	Grinnell, Iowa	1410
KBUH	Brighton City, Utah	800	KDET	Cent, Tex.	920	KFB	Fayetteville AR	1280	KGRP	Pampa, Tex.	1230
KBUK	Baytown, TX	1360	KDEW	DeWitt AR	1470	KFB	Los Angeles, Wyo.	1400	KGRT	Las Cruces, N.Mex.	570
KBUN	Bemidji, Minn.	1450	KDEB	Deer, Mo.	990	KFBB	Waynesville, Mo.	1270	KGRZ	Missoula, MT	1450
KBUR	Burlington, Iowa	1490	KDFS	Sumner, Wash.	1560	KFBK	Sacramento, Calif.	1530	KGST	Fresno, Calif.	1600
KBUS	Mexia, Tex.	1590	KDFN	Donihgan, Mo.	1500	KFCB	Nogales AZ	1340	KGTN	Georgetown, Tex.	1530
KBVM	Lancaster, Calif.	1380	KDGO	Durango, Colo.	1240	KFCR	Redfield, S. Dak.	1380	KGU	Honolulu, Hawaii	1500
KBWA	Williams, AZ	1380	KDHI	Twenty-nine Palms, California	1250	KFDF	Van Buren AR	1360	KGUC	Gunnison, Colo.	740
KBWD	Brownwood, TX	1380	KDIA	Faribault, MN	920	KFDI	Wichita, Kansas	1410	KGUL	Port Lavas, Tex.	1560
KBXN	Kennett, MO	1540	KDHN	Dimmitt, Tex.	1470	KFEL	Pueblo, Colo.	970	KGV	Greenville, Tex.	1400
KBYG	Big Springs, Tex.	1400	KDIA	Oakland, Calif.	1310	KFEQ	St. Joseph, Mo.	680	KGVV	Missoula, Mont.	1290
KBYP	Shamrock, Tex.	1580	KDIO	Ortonville, Minn.	1350	KFFA	Helena AR	1360	KGVW	Belgrade, Mont.	630
KBYR	Anchorage AK	700	KDIX	Dickinson, N.Dak.	1230	KFGO	Fargo, N.D.	790	KGW	Portland, Oreg.	620
KBZ	Salem, Oreg.	1490	KDJJ	Holbrook AZ	1270	KFGU	Boone, Iowa	1260	KGY	Enid, Okla.	1240
KCBZ	Lajun, Colo.	1400	KDJW	Amarillo, Tex.	1010	KFK	Los Angeles, Calif.	640	KGYN	Guymon, Okla.	1210
KCB	Dardenelle AR	980	KDK	Pittsburgh, Pa.	1020	KFL	Grand Coulee, Wash.	1360	KHAC	Window Rock AZ	1300
KCAD	Abilene, Tex.	1560	KDKB	Wasa, AZ	1510	KFLA	Carmichael, CA	710	KHAL	DoSoto, Mo.	1190
KCAL	Redlands, Calif.	1410	KDKC	Clinton, Mo.	1280	KFLP	Preston, Minn.	1060	KHAP	Asize, N.M.	1320
KCAM	Glenallen AK	790	KDKL	Littleton, Colo.	1510	KFR	Sweet Home, Oreg.	1370	KHAR	Anchorage AK	890
KCAN	El Reno OK	1460	KDKL	Littleton, Colo.	1510	KFMD	Modesto, Calif.	1360	KHAS	Hastings, Nebr.	1

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KHIT	Walla Walla, Wash.	1230	KJSK	Columbus, Nebr.	900	KMBL	Junction, Tex.	1450	KOHI	St. Helens, Ore.	1600
KHJ	Los Angeles, CA	930	KJST	Joshua Tree, Cal.	1420	KMBY	Monterey, Calif.	1240	KOHO	Honolulu, Hawaii	1170
KHLB	Burnett TX	1340	KJWH	Camden AR	1480	KMBZ	Kansas City, Mo.	980	KOHU	Hermiston, OR	1360
KHLO	Hilo, Hawaii	1070	KKAA	Aberdeen, SD	1560	KMCD	Fairfield, Iowa	1570	KOIL	Omaha, Nebr.	1290
KHMO	Hannibal, Mo.	1320	KKAN	Phillipsburg, Kans.	1490	KMCL	McCall, Ida.	1240	KOJM	Haure, Mont.	610
KHNY	Riverside, CA	1570	KKAO	Anteo-Capitola, CA	1300	KCMC	McMinnville, Oreg.	1190	KOJA	Laramie WY	1490
KHDB	Hobbs, N. Mex.	1390	KKAS	Silsbee, Tex.	1300	KCMG	Augusta AR	1190	KOKA	Shreveport, La.	1490
KHOG	Fayetteville AR	1440	KKAY	White Castle, LA	1590	KCMO	Ft. Scott, Kans.	1600	KOKC	Guthrie, Okla.	1490
KHOL	Beulah, ND	1410	KKBJ	Bemidji, MN	1360	KMED	Medford, Oreg.	1440	KOKE	Austin, Tex.	1370
KHOT	Madera, Calif.	1250	KKDA	Grand Prairie, Tex.	730	KMEN	San Bernardino, Cal.	1290	KOKK	Huron, SD	1190
KHOW	Danver, Colo.	630	KKEE	Rochester, MN	1520	KMEO	Phoenix AZ	740	KOKL	Okmulgee, Okla.	1240
KHOZ	Harrison AR	940	KKEY	Portland, Ore.	1150	KMER	Kemmerer, Wyo.	950	KOKN	Pawhuska, OK	1600
KHQ	Spokane, WA	990	KKHI	San Francisco, Calif.	1550	KMFB	Sandoeinc, Cal.	1380	KOKO	Warrensburg, Mo.	1480
KHRT	Minot, N. D.	1320	KKIK	Waco-Marlín, TX	1280	KMG	Tucson, AZ	940	KOKY	Little Rock AR	1440
KHSJ	Hemet, Calif.	1320	KKIM	Albuquerque NM	1000	KMHL	Marshall, Minn.	1400	KOLE	Port Arthur TX	1340
KHSL	Chico, Calif.	1290	KKIN	Aitkin, Minn.	930	KMHT	Marshall, Tex.	1450	KOLO	Reno, Nev.	920
KHSN	Cows Bay OR	1230	KKIO	Santa Barbara, CA	1290	KMIL	Cameron, Tex.	1330	KOLS	Pryor, Okla.	1570
KHUB	Fremont, Nebr.	1340	KKIS	Pittsburg, Calif.	990	KMIN	Grants, N.Mex.	980	KOLT	Scottsbluff, Nebr.	1320
KHUM	Eureka CA	790	KKIT	Taos, N.Mex.	1340	KMJO	El Cajon, CA	910	KOLY	Mohrville, S. Dak.	1300
KHWH	Honolulu, Hawaii	1040	KKJO	St. Joseph, Mo.	1350	KMFR	Portageville, Mo.	1050	KOMA	Oklahoma City, Okla.	1450
KHYM	Gilmer TX	1060	KKKO	Tempe AR	920	KMFS	Fresno, Calif.	980	KOMO	Seattle, Wash.	1060
KHYT	Tucson AZ	1330	KKLS	Rapid City SD	920	KMLB	Monroe, La.	1440	KOMW	Omak, Wash.	580
KIAK	Fairbanks, AK	970	KKOA	Minto, ND	1390	KMMJ	Grand Island, Nebr.	750	KOMY	Watsonville, Calif.	1340
KIBE	Palo Alto, Calif.	1220	KKON	Kealahou, Hawaii	790	KMMO	Manassas, Va.	1300	KONA	Kennewick WA	610
KIBL	Beeville, Tex.	1490	KKOY	Chanute, Kan.	1460	KMNS	Sioux City, Iowa	620	KONE	Reno, Nev.	1450
KIBS	Bishop, Calif.	1230	KKSI	Mt. Pleasant, IA	1130	KMNT	Tacoma, Wash.	1360	KONG	Visalia, Calif.	1490
KICG	Clowis, N.M.	960	KKTT	Los Angeles CA	630	KMOG	Great Falls, Mont.	1360	KONO	San Antonio, Tex.	860
KIGD	Spokane, WA	1340	KKUA	Honolulu, Hawaii	1290	KMOO	Minneapolis, TX	1510	KONP	Port Angeles, Wash.	1450
KICK	Springfield, Mo.	1340	KKUG	Brownfield, Tex.	1300	KMOX	St. Louis, Mo.	1230	KONY	San Marcos, TX	1470
KIGD	Calxico, Calif.	1490	KKUZ	Burlington, Iowa	1150	KMPC	Los Angeles, Calif.	710	KOOK	Billings, Mont.	970
KICS	Hastings, Neb.	1550	KKXL	Grand Forks ND	1440	KMPG	Hollister, Cal.	1540	KOOL	Phoenix AZ	960
KICX	McCook, Neb.	1360	KKYN	Plainview, TX	1090	KMPL	Sioux Falls, S.D.	1300	KOOD	Omaha, Nebr.	1420
KICY	Nemo AK	850	KKYR	Marshall, TX	1410	KMRC	Moraga, Calif.	1360	KOOP	Tucson, Ariz.	1420
KID	Idaho Falls, Idaho	590	KKYX	San Antonio	680	KMRN	Cameron, Mo.	1360	KOPY	Alcoa, Tenn.	1070
KIDD	Monterey, Calif.	630	KKZZ	Lancaster CA	1380	KMRS	Morris, Minn.	1230	KOQY	Bellingham, Wash.	1550
KIDN	Pueblo, CO	1400	KLAC	Los Angeles, Calif.	980	KMSD	Milbank, SD	1510	KORC	Mineral Wells, Tex.	1140
KIDD	Boise, Idaho	630	KLAD	Klamath Falls OR	960	KMSL	Ukiah, Cal.	1250	KORD	Pasco, Wash.	910
KIEV	Glendale, Calif.	870	KLAK	Lakewood, Colo.	1600	KMT	Marion, UT	1340	KORE	Springfield-Eugene, Ore.	1050
KIFG	Iowa Falls, Ia.	1510	KLAM	Cordova AK	1450	KMTA	Meriden, CT	950	KORK	Las Vegas, Nev.	920
KIFN	Phoenix AZ	960	KLAN	Lemoore, Calif.	1320	KMTL	Meriden, CT	950	KORN	Honolulu, Hawaii	1490
KIFW	Sitka AK	1230	KLAR	Laredo, Tex.	1300	KMUS	Muskogee, Okla.	1380	KORR	Mitchell, S.Dak.	1490
KIGI	Pasadena, CA	1110	KLAV	Las Vegas, Nev.	1230	KMVI	Waikuku, Hawaii	550	KORT	Grangeville, Idaho	1230
KIGO	St. Anthony, Ida.	1400	KLBJ	Lubbock, Tex.	1340	KMWX	Yakima, Wash.	1460	KORV	Grangeville, Idaho	1340
KIHN	Hugo, Okla.	1340	KLBM	La Grande, Oreg.	1450	KMYG	Marvsville, Calif.	1410	KOSE	Oseola AR	860
KIIM	Manitou Springs, CO	1490	KLBS	Los Bannos, Calif.	1330	KNAB	Burlington CO	1140	KOSI	Aurora, Colo.	1430
KIIS	Los-Angeles, Calif.	1050	KLCB	Libby, Mont.	1230	KNAC	Fredericksburg, Tex.	910	KOSY	Tarkana AR	790
KIJV	Ft. Collins, Colo.	840	KLCL	Lake Charles, La.	1470	KNAG	Salt Lake City, Utah	1490	KOTD	Plattsmouth, Neb.	1000
KIKJ	Huron, S.D.	1340	KLGN	Blytheville AR	910	KNAL	Victoria, Tex.	1410	KOTN	Pine Bluff AR	1490
KIKK	Foreyth, MT	1250	KLCO	Cottonwood, Okla.	1280	KNBA	Vallejo, Calif.	1190	KOTS	Deming, N.M.	1230
KIKI	Honolulu, Hawaii	630	KLEC	Elgin, N.Mex.	630	KNBR	San Francisco, Cal.	680	KOTY	Kennewick, WA	1340
KIKK	Pasadena, Tex.	650	KLEB	Golden Meadow, La.	1600	KNBY	Newport AR	1280	KOTZ	Kotzebue AK	720
KIKM	Sherman, TX	910	KLEE	Ottumwa, Iowa	1480	KNCK	Vivian, LA	1320	KOUR	Independence, Iowa	1220
KIKN	Sinton, Tex.	1590	KLEI	Kallua, Hawaii	1130	KNCK	Concordia, Kans.	1390	KOVC	Valley City, N.Dak.	1420
KIKO	Miami AZ	1340	KLEM	LeMars, Iowa	1410	KNCO	Grass Valley CA	1250	KOVE	Lander, Wyo.	1330
KIKR	Conroe, TX	900	KLED	Wichita, Kans.	1480	KNCY	Nebraska City, Nebr.	1600	KOVS	Provo, Utah	960
KIKS	Iola, KS	1370	KLER	Drotin, Idaho	950	KNDC	Hettinger, N.Dak.	1490	KOWB	Laramie, Wyo.	1290
KIKT	Tucson, AZ	580	KLEW	Waterloo, IA	860	KNDE	Sacramento, Calif.	1470	KOWH	Omaha, Nebr.	660
KIKZ	Seminole, Tex.	1250	KLEX	Lexington, Mo.	1570	KNDI	Honolulu, Hawaii	1570	KOWL	South Lake Tahoe, Cal.	1490
KILE	Galveston, TX	1580	KLEY	Wellington, Kan.	1130	KNDK	Langdon, N.D.	1270	KOWN	Escobido, Calif.	1450
KILR	Estherville, Iowa	1070	KLFB	Lubbock, Tex.	1420	KNEA	Scottsboro AR	870	KOWO	Waseca Minn.	1170
KILT	Houston, Tex.	610	KLFD	Litchfield, Minn.	1410	KNEB	Jettshoberg, Nebr.	1450	KOXR	Oxnard, Calif.	910
KIMB	Kimball, Nebr.	1260	KLFG	Litchfield MO	1550	KNED	Metester, Okla.	970	KOYL	Odessa, Tex.	1310
KIML	Gillette, Wyo.	1270	KLGA	Algona, Iowa	1600	KNEL	Waukon, Ia.	1140	KOYN	Billings, Mont.	910
KIMN	Rankin City, S.D.	1110	KLGR	Redwood Falls, Minn.	1400	KNEM	Nevada, Mo.	1490	KOZY	El Dorado KS	1430
KIMN	Denver, Colo.	950	KLJB	Liberal, Kans.	1470	KNET	Palestine, Tex.	1240	KOZZ	Owensboro, Idaho	1300
KIMP	Mt. Pleasant, Tex.	960	KLIC	Monroe, La.	1230	KNEU	Roosevelt, UT	910	KOZI	Chelan, Wash.	1190
KINA	Salina, Kan.	910	KLID	Popular Bluff, Mo.	1340	KNEX	Kemp, Cal.	950	KPAC	Port Arthur, Tex.	1250
KINC	Independence, CA	600	KLIF	Dallas, Tex.	1190	KNFT	Bayard, N.M.	950	KPAG	Pagosa Springs, CO	1400
KIND	Independence, Kan.	1010	KLJK	Jefferson City, Mo.	950	KNFS	Hanford, Calif.	620	KPAL	Pineville, LA	1110
KINE	Kingsville, Tex.	1330	KLKN	Lincoln, Nebr.	1400	KNIA	Knoxville, Iowa	1320	KPAM	Portland, OR	1410
KING	Seattle, Wash.	1090	KLKO	Fort Worth, Cal.	1220	KNIC	Winfield, Kan.	1550	KPAN	Harriet, Tex.	860
KINM	Clamond, NM	1230	KLKI	Portland, Oreg.	1290	KNIN	Marvsville, Mo.	1580	KPAR	Albuquerque, N.M.	1190
KINO	Winstow AZ	1230	KLKR	Denver, Colo.	990	KNIN	Wichita Falls, Tex.	900	KPAT	Sierra Vista AZ	1420
KINS	Eureka, Calif.	980	KLIT	Monoma CA	1220	KNIR	New Iberia, La.	1360	KPAY	Chico, Calif.	1060
KINT	El Paso, Tex.	1590	KLIV	San Jose, Cal.	1590	KNIX	Tempe, AZ	1580	KPBC	Dallas, TX	1040
KINY	Juneau, AK	800	KLIX	Iwin Falls, Idaho	1310	KNLV	Ord, Neb.	1060	KPCA	Marked Tree AR	1880
KIOA	Des Moines, Iowa	940	KLIZ	Brainerd, Minn.	1360	KNND	Cottage Grove, Oreg.	1400	KPCQ	Quincy, Cal.	1370
KIOL	Honolulu, HI	1080	KLKC	Parsons, KS	1340	KNNN	Friona, Tex.	1070	KPCR	Bowling Green, Mo.	1530
KIOT	Barstow, Calif.	1310	KLLE	Leesville, La.	1570	KNOC	Nettles, La.	1450	KPDN	Pampa, Tex.	1340
KIOX	Bay City, Tex.	1270	KLLA	Leesville, La.	1570	KNOE	Monroe, La.	540	KPDO	Portland, Oreg.	800
KIPA	Hilo HI	620	KLLL	Lubbock, Tex.	1460	KNOI	Pullman, WA	1150	KPEL	Lafayette, La.	1420
KIQI	San Francisco, CA	1010	KLLR	Walker, Minn.	1600	KNOK	Ft. Worth, Tex.	870	KPEP	San Angelo, Tex.	1420
KIQS	Willows, Calif.	1560	KLMO	Longmont, Colo.	1060	KNOM	Nome AK	1410	KPET	Lamesa, Tex.	690
KIRL	St. Charles, Mo.	1460	KLMR	Lamar, Colo.	920	KNOP	N. Platte, Nebr.	740	KPGE	Pago AZ	1340
KIRO	Seattle, Wash.	1710	KLMS	Lincoln, Nebr.	1560	KNOR	Norman, Okla.	1400	KPHX	Phoenix, AZ	1480
KIRY	Mission, Tex.	1590	KLMX	Clayton, N.Mex.	1450	KNOT	Preston AZ	1480	KPIA	Ironton, Mo.	1480
KIRV	Fresno, Calif.	710	KLOA	Ogden, Utah	1430	KNOW	Austin TX	1490	KPIK	Colorado Sprgs., CO	1580
KIRX	Kirkville, Mo.	1450	KLOC	Ridgecrest, Calif.	1240	KNOX	Grand Forks, N.Dak.	1310	KPIN	Casa Grande AZ	1260
KISA	Honolulu, HI	1540	KLOE	Ceres, Calif.	920	KNP	Newport, Ore.	1310	KPLT	Paris, Tex.	1260
KISD	Sioux Falls, S.D.	1230	KLOG	Goodland, Kans.	730	KNSE	Ontario CA	1510	KPMC	Bakersfield, Calif.	1580
KISO	El Paso, TX	1150	KLOH	Kelso, Wash.	1090	KNNT	San Antonio CA	1450	KPNW	Eugene, Ore.	1120
KIST	Santa Barbara, Calif.	1340	KLOH	Pipestone, Minn.	1050	KNNU	New Ulm, Minn.	860	KPPH	Phoenix AZ	1480
KIT	Yakima, Wash.	1280	KLOK	San Jose, CA	1170	KNNU	Las Vegas, NV	970	KPOC	Pocahontas AR	1420
KITE	Torrill Hills, Tex.	930	KLOM	Lompoc, Calif.	1330	KNUZ	Houston, Tex.	1230	KPOD	Crescent City CA	910
KITI	Chahalis-Centralia, Wash.	1420	KLOO	Corvallis, Ore.	1340	KNWC	Sioux Falls, S.D.	1270	KPOF	Denver, Colo.	1310
KITN	Olympia, Wash.	920	KLOU	Lake Charles, La.	1580	KNWX	Waterloo, Iowa	1090	KPOL	Los Angeles, Calif.	1540
KITL	Garden City, Kans.	1240	KLOV	Loveland, Colo.	1570	KOAL	Los Angeles, Calif.	1070	KPOP	Roseville, Cal.	1110
KIUN	Peens, TX	1400	KLPL	Lake Providence, La.	1140	KOAC	Corvallis, Oreg.	550	KPOS	Post, Tex.	1370
KIUP	Durango, CO	930	KLPR	Okl. City, Okla.	1140	KOAD	Lemoore, Calif.	1240	KPOW	Powell, Wyo.	1260
KIUY	Crockett, Tex.	1290	KLPW	Union, Mo.	1220	KOAK	Red Oak, Ia.	1080	KPPC	Pasadena, Calif.	1240
KIWA	Sheldon, Iowa	1550	KLRA	Little Rock AR	1010	KOAL	Price, Utah	1280	KPPR	Globe, AZ	1240
KIX	Seattle, Wash.	910	KLRK	Centerville, UT	1600	KOAM	Pittsburg, Kans.	860	KPPW	Wenatchee, Wash.	560
KIXL	Austin, TX	970	KLRS	Mountain Grove, Mo.	1360	KOBE	Las Cruces, N.Mex.	1450	KPRB	Redmond, Oreg.	1240
KIXS	Killeen TX	1650	KLTC	Dickinson ND	1480	KOBH	Hot Springs, S.Dak.	1450	KPRC	Houston, Tex.	950
KIXX	Provo, UT	1400	KLTR	Little Falls, Minn.	960	KOBY	Yuba City, Cal.	1580	KPRE	Paris, Tex.	1250
KIXY	San Angelo TX	1260	KLTI	Macon, Mo.	1560	KOCY	Yuba City, Cal.	1550	KPRK	Livinston, Mont.	1340
KIXZ	Amarillo, Tex.	940	KLTR	Blackwell, Okla.	1580	KOCA	Kilgore, Tex.	1240	KPRL	Paso Robles, CA	1230
KJAM	Madison, S.Dak.	1590	KLTV	Glasgow, Mont.	1240	KOCB	Oklahoma City, Okla.	1400	KPRM	Park Rapids, Minn.	1240
KJAN	Atlanta, Iowa	1290	KLUB	Salt Lake City, Utah	570	KODH	Houston, Tex.	1010	KPRR	Riverside, Calif.	1440
KJAS	Jackson MO	1170	KLUC	Las Vegas, Nev.	1140	KODE	Joplin, Mo.	1230	KPRQ	Murray, UT	1230
KJAX	Santa Rosa, Calif.	1150	KLUE	Longview, Tex.	1280	KODI	Cody, Wyo.	1400	KPRS	Kansas City, Mo.	1590
KJBC	Midland, Tex.	1130	KLUF	Lufkin, Tex.	1420	KODL	The Dalles, OR	1440	KPSA	Alamogordo NM	1230
KJCF	Festus, Mo.	1400	KLUV	Haynesville, La.	1580	KODY	North Platte, Nebr.	1240	KPSI	Palm Springs, Calif.	1450
KJCH	Cleveland, TX	1410	KLVI	Beaumont, Tex.	560	KOEL	Delwin, Iowa	950	KPSO	Fairfuries, Tex.	1280
KJCK	Junction City, Kns.	1420	KLVJ	Pasadena, Tex.	1480	KOFE	Fredonia, N.Mex.	1480	KPRC	Carson City, Nev.	1300
KJCY	John Day, Ore.	1400	KLVT	Levelland, Tex.	1230	KOFO	Kalispell, Mont.	1180	KPRL	Park Rapids, Minn.	1240
KJEF	Jennings, La.	1290	KLWN	Lawrence, Kans.	1320	KOFI	Kalispell, Mont.	1180	KPUB	Pueblo, Colo.	1480
KJEL											

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KQAQ	Austin, Minn.	970	KSEI	Pocatello, Idaho	930	KTMS	Santa Barbara, Calif.	1250	KVOV	Henderson-Las Vegas, NV	1280
KQCV	Oklahoma City, OK	800	KSEK	Pittsburg, Kans.	1340	KTNC	Falls City, Nebr.	1230	KVOW	Riverton, Wyo.	1450
KQDI	Great Falls, MT	1450	KSEL	Lubbock, Tex.	950	KTNM	Tucumcari, N.Mex.	1400	KVOX	Moorhead, Minn.	1280
KQEN	Roseburg, Ore.	1240	KSEM	Moses Lake, Wash.	1470	KTNQ	Los Angeles, CA	1020	KVOY	Yuma, Ariz.	1400
KQEO	Albuquerque, N.Mex.	920	KSEN	Shelby, Mont.	1150	KTOB	Tacoma, Wash.	1400	KVOZ	Laredo, Tex.	1400
KQIK	Lakeview, Oreg.	1230	KSEO	Durant, Okla.	750	KTOC	Petaluma, Cal.	920	KVPL	Ville Platte, La.	1050
KQIL	Grand Junction, CO	1340	KSET	El Paso, Tex.	1340	KTOC	Jonesboro, La.	920	KVRC	Vermillion, S. D.	1570
KQIN	Burien, WA	1300	KSEW	Silka, Alaska	1400	KTOH	Manokato, Minn.	1350	KVRE	Arkadelphia, AR	1240
KQIZ	Amarillo, TX	1350	KSEY	Seymour, Tex.	1230	KTOK	Lihue, Hawaii	1350	KVRH	Santa Rosa, CA	1460
KQKI	Bavou Vista, LA	1170	KSFA	Nacogdoches, Tex.	860	KTOM	Oklahoma City, Okla.	1000	KVRN	Salida, Colo.	1540
KQLA	Lakewood WA	1480	KSFE	Needles CA	1340	KTON	Sallinas, Cal.	1380	KVSA	Sonora, TX	980
KQMS	Redding, Calif.	1400	KSFO	San Francisco, Calif.	560	KTOP	Belton, Tex.	940	KVSE	McGehee, AR	1220
KQNK	Norton, KS	1530	KSGL	Wichita, KS	900	KTQP	Topeka, Kans.	1490	KVSH	Sante Fe, N.Mex.	1260
KQOT	Yakima, Wash.	930	KSGM	Chester, Ill.	960	KTQQ	Rapid City, SD	1320	KVSI	Valentine, Nebr.	1450
KQRS	Golden Valley, Minn.	1440	KSGR	Scottsdale, AZ	1440	KTOW	Sand Spring, Okla.	1340	KVSL	Montpelier, Ida.	940
KQTY	Berger TX	1490	KSGT	Jackson, Wyo.	1340	KTPA	Prescott AR	1370	KVSL	Show Low AZ	1450
KQV	Pittsburgh, Pa.	1470	KSHA	Madford, Ore.	860	KTRB	Modesto, Calif.	860	KVSO	Ardmore, Okla.	1240
KQWB	West Fargo ND	1550	KSIB	Creston, Iowa	1520	KTRC	Santa Fe, N.Mex.	1400	KVWC	Vernon, Tex.	1490
KQWC	Webster City IA	1570	KSID	Sidney, Nebr.	1340	KTRF	Thief River Falls, Minn.	1250	KVWG	Pearshall, Tex.	1070
KQXE	Mesa, AZ	1310	KSIG	Crowley, La.	1450	KTRH	Houston, Tex.	740	KVWM	Show Low AZ	1870
KQXI	Arvada, Colo.	1550	KSIL	Silver City, N.Mex.	1340	KTRM	Beaumont, Tex.	990	KVWO	Cheyenne, Wyo.	1370
KQYX	Joplin, Mo.	1560	KSLM	Sikeston, Mo.	1400	KTRN	Wichita Falls, Tex.	1290	KVYL	Holdenville, Okla.	1370
KRAD	E. Grand Forks, Minn.	1590	KSLN	Estes Park, CO	1470	KTRT	Truckee, Cal.	1400	KWAC	Bakersfield, Calif.	1490
KRAE	Cheyenne, Wyo.	1480	KSIS	Seafolia, Mo.	1050	KTRY	Wadstrop, La.	730	KWAD	Wadena, MN	920
KRAI	Craig, Colo.	1480	KSIW	Woodward, Okla.	1450	KTSA	San Antonio, Tex.	550	KWAK	Stuttgart AR	1240
KRAK	Sacramento, Cal.	1140	KSIX	Corpus Christi, Tex.	600	KTSM	El Paso, Tex.	1380	KWAL	Wallace, ID	820
KRAL	Rawlins, Wyo.	1240	KSJB	Jamestown, N.Dak.	1230	KTST	Frenton, Mo.	1490	KWAM	Memphis, Tenn.	920
KRAM	Las Vegas, Nev.	1340	KSIK	Hailey, Ida.	1340	KTRR	Rolla, Mo.	1490	KWAT	Watertown, S.Dak.	950
KRAN	Morton, Tex.	1280	KSJL	Salt Lake City, Utah	1160	KTTS	Springfield, Mo.	1400	KWAY	Waverly, Iowa	1470
KRBA	Lufkin, Tex.	1340	KSLM	Salem, Oreg.	1390	KTTC	Columbus, Nebr.	1510	KWBB	Nawasha, Kans.	1410
KRBB	Sallisaw, Okla.	1560	KSLO	Opelousas, La.	1230	KTIX	Brenham, TX	1280	KWBC	Wichita, Tex.	1510
KRBC	Ablene, Tex.	1470	KSLV	Monte Vista, Colo.	1240	KTUC	Tucson AZ	1400	KWBE	Beatrice, Nebr.	1450
KRBI	St. Peter, Minn.	1310	KSLY	San Luis Obispo, Cal.	1400	KTUE	Tulia, Tex.	1280	KWBG	Boone, Iowa	1590
KRBN	Red Lodge, Mont.	1450	KSMA	Santa Maria, Calif.	1240	KTUL	Sullivan, Mo.	1580	KWBH	Hutchinson, Kans.	1130
KRCB	Council Bluffs, Ia.	1560	KSMH	Shakopee, Minn.	1340	KTWN	Anoka MN	800	KWBW	Edna, Tex.	1130
KRCO	Prineville, Oreg.	690	KSMN	Mason City, Iowa	1010	KTWN	Casper, Wyo.	1030	KWBZ	Englewood, CO	1150
KRCQ	Indio, CA	1400	KSMO	Salem, Mo.	1340	KTXJ	Jasper, Tex.	1350	KWCK	Searcy, AR	1300
KRDD	Roswell, N.Mex.	1320	KSNN	Pocatello, Ida.	1290	KTXS	Sherman, Tex.	1350	KWCL	Oak Grove, La.	1280
KRDD	Redding, Calif.	1230	KSNO	Aspen, Colo.	1260	KTYD	Santa Barbara, CA	990	KWCO	Chickasha, Okla.	1560
KRDD	Colo. Springs, Colo.	1240	KSNY	Snyder, Tex.	1450	KTYD	Englewood, Calif.	1460	KWED	Seguin, Tex.	1270
KRDE	Gresham, Ore.	1230	KSO	Des Moines, Iowa	1460	KTYN	Metol, N.D.	1430	KWES	Wesley, Idaho	1260
KRDS	Tulsa, OK	1190	KSOA	Ava, Mo.	1070	KUAD	Windsor, CO	1170	KWEL	Midland, TX	1070
KRDU	Dinuba, Calif.	1130	KSOA	Little Rock, AR	1050	KUAI	Eleele, Kanai, Hawaii	720	KWEW	Hobbs, N.Mex.	1480
KRDZ	Wray CO	1470	KSOA	Arkansas City, Kans.	1280	KUAM	Agana, GU	610	KWEY	Weatherford, Okla.	1590
KRE	Berkeley CA	1400	KSON	San Diego, Calif.	1240	KUAT	Tucson AZ	1500	KWFT	Wichita Falls, Tex.	820
KREH	Eureka CA	1480	KSOO	Sioux Falls, S.Dak.	1140	KUBA	Yuba City, Calif.	1600	KWGT	Stockton, Calif.	1260
KREH	Oakdale, La.	900	KSOP	Salt Lake City, Utah	1370	KUBC	Montrose, Colo.	580	KWGH	Big Lake, Tex.	1250
KREI	Farmington, Mo.	840	KSPD	Raymondville, Tex.	1270	KUDE	Oceanside, Calif.	1280	KWHK	Hutchinson, Kans.	1320
KREI	Sapulpa, Okla.	1550	KSPD	Boise, Idaho	730	KUEN	Spokane, Wash.	1280	KWHN	Fort Smith AR	1320
KREM	Spokane, Wash.	970	KSPI	Stillwater, Okla.	780	KUEN	Wenatchee, Wash.	900	KWHW	Salt Lake City, Utah	860
KREW	Sunnyside, Wash.	1230	KSPJ	Diboll, Tex.	1260	KUFE	Agana, Guam	940	KWKI	Pocatello, Idaho	1240
KREX	Grand Junction, Colo.	1100	KSPQ	Spokane, Wash.	1230	KUFF	Albuquerque, NM	1150	KWKJ	Albany, Oreg.	1580
KRFO	Owatonna, Minn.	1390	KSPR	Springdale AR	1590	KUGN	Eugene, Oreg.	590	KWKJ	Mered, Calif.	790
KRFS	Superior, Nebr.	1430	KSPY	Sandpoint, Idaho	1400	KUGR	Green River, WY	1490	KWKI	Moses Lake, Wash.	1260
KRGI	Grand Island, Neb.	1470	KSRV	Salt Lake City, Utah	1230	KUHL	Santa Maria, Cal.	1440	KWIV	Douglas, WY	1050
KRGO	Salt Lake City, UT	1330	KSRB	Boise, Idaho	950	KUHL	Hillabror, Ore.	1360	KWIX	Moberly, Mo.	1230
KRGV	Weslaco, Tex.	1550	KSRC	Soeroro, N.Mex.	1250	KUJ	Walla Walla, Wash.	1420	KWIZ	Santa Ana, Calif.	1480
KRHD	Duncan, Okla.	1350	KSRM	Soldotna AK	920	KUKA	San Antonio, Tex.	1250	KWJZ	Portland, Oreg.	1080
KRIB	Mason City, Iowa	1490	KSRO	Santa Rosa, Calif.	1350	KUKI	Ukiah, Calif.	1330	KWKA	St. Louis, MO	920
KRID	Odessa, Tex.	1410	KSRV	Ontario, Oreg.	1380	KUKU	Ukiah Springs, Mo.	1330	KWKK	Clavis, NM	680
KRIH	Rayville, La.	990	KSSS	Colorado Springs, Colo.	740	KULA	Honolulu, Hawaii	600	KWKC	Ablene, Tex.	1340
KRIO	McAllen, Tex.	910	KSSY	Sulphur Springs, Tex.	1030	KULB	Enbata, Wash.	730	KWKH	Shreveport, La.	1130
KRIZ	Phoenix AZ	1230	KSTL	St. Louis, Mo.	690	KULF	Houston, Tex.	790	KWKW	Pasadena, Calif.	1300
KRKC	King City, Calif.	1490	KSTL	St. Paul, Minn.	1420	KULY	Ulysses, Kan.	1420	KWKY	Des Moines, Iowa	1180
KRKE	Albuquerque, NM	610	KSTP	St. Paul, Minn.	1500	KUMA	Pendleton, Oreg.	1290	KWLA	Many, La.	1420
KRKK	Rock Springs, WY	1360	KSTR	Grand Junction, Colo.	820	KUMU	Honolulu, Hawaii	1580	KWLC	Decorah, Iowa	1240
KRKM	North Pole, AK	600	KSTT	Davenport, Iowa	1570	KUNO	Corpus Christi, Tex.	1400	KWLM	Wilmar, Minn.	1340
KRKO	Everett, Wash.	1380	KSTT	Stephenville, Tex.	1810	KUDA	Siloam Springs AR	1290	KWLS	Pratt KS	1290
KRKT	Albany, Ore.	990	KSUB	Cedar City, Utah	950	KUON	Minneapolis, Minn.	770	KWMB	Wabasha, MN	1190
KRKC	Clarkston, Wash.	1350	KSUB	West Memphis AR	730	KUPL	Idaho Falls, ID	980	KWMC	Del Rio, Tex.	1480
KRDL	Dallas, Tex.	1080	KSUW	Susanville, Calif.	1240	KUPJ	Portland, OR	1330	KWMS	Salt Lake City, UT	1280
KRDL	Canon City, Colo.	1400	KSUW	Fairmont, Minn.	1370	KUPY	Puyallup, WA	1450	KWMT	Ft. Dodge, Iowa	540
KRLW	Walnut Ridge AR	1320	KSUN	Biisbee AZ	1230	KURA	Moab, Utah	1450	KWNA	Winnemucca, Nev.	1400
KRMC	Midwest City OK	1220	KSUZ	Port Neches, TX	1230	KURB	Billings, Mont.	730	KWNC	Quincy, WA	1370
KRMD	Shreveport, La.	1340	KSVZ	Port Neches, TX	980	KURV	Edinburg, Tex.	710	KWNO	Winona, Minn.	1520
KRME	Hondo, Tex.	1460	KSVY	Richtfield, Utah	980	KUSV	Brookings, Oreg.	910	KWNT	Davenport, Iowa	1580
KRMG	Tulsa, Okla.	740	KSVN	Ogden, Utah	730	KUSD	Vermillion, S.Dak.	600	KWOC	Worthington, Minn.	730
KRML	Carmel, Calif.	1410	KSVQ	Artesia, N.Mex.	990	KUSH	Cushing, Okla.	1690	KWOO	Poplar Bluff, Mo.	950
KRMO	Montic, Mo.	990	KSWA	Graham, Tex.	1330	KUSN	St. Joseph, Mo.	1270	KWOP	Clinton, Okla.	1320
KRMS	Osage Beach, Mo.	1150	KSWB	Seaside, Ore.	930	KUTA	Blanding, Utah	790	KWOK	Wagoner OK	1530
KRNB	Cheyenne, WY	1530	KSWM	Aurora, Mo.	840	KUTI	Yakima, Wash.	980	KWON	Barfliesville, Okla.	1400
KRNR	Roseburg, Oreg.	1490	KSWO	Lawton, Okla.	1250	KUTY	Palmdale, Calif.	1470	KWOR	Worland, Wyo.	1520
KRNS	Burns, Oreg.	1230	KSWW	Wickenburg AZ	1250	KUX	Holdenville, Okla.	1380	KWOS	Jefferson City, Mo.	1240
KRNT	Des Moines, Iowa	1350	KSXO	Redding, CA	600	KUXL	Golden Valley, Minn.	1570	KWOW	Pomona, Calif.	1800
KRNY	Kearney, Nebr.	1310	KSXX	Salt Lake City, Utah	630	KUZN	W. Monroe, La.	1310	KWPC	Muscataine, Iowa	860
KRNB	Robston, Tex.	1410	KSYC	Yreka, Calif.	1490	KUZZ	Bakersfield, CA	970	KWPM	West Plains, Mo.	1450
KROC	Rochester, Minn.	1340	KSYL	Alexandria, La.	970	KVAC	Forks, Wash.	1490	KWRP	Claremore, Okla.	1270
KROD	El Paso, Tex.	600	KSYX	Santa Rosa, N.Mex.	1420	KVAN	Vancouver, Wash.	1480	KWRQ	Wardburn, Ore.	940
KROE	Sheridan, Wyo.	930	KTAC	Tacoma, Wash.	850	KVAS	Astoria, Ore.	1230	KWRE	Henderson, Tex.	1470
KROF	Abbeville, La.	960	KTAE	Taylor, Tex.	1240	KVCH	Grand, Minn.	1340	KWRW	Warrnton Mo.	730
KROP	Brawley, Calif.	1500	KTAN	Sierra Vista AZ	1420	KVCK	Wolf Point, Mont.	1450	KWRV	Warren AR	1480
KROW	Clinton, Iowa	1420	KTAR	Phoenix AZ	820	KVCL	Winnfield, La.	1270	KWRG	New Roads, La.	960
KROW	Dallas, Ore.	1260	KTAT	Frederick, Okla.	1570	KVCS	Sioux Center, Ia.	1090	KWRM	Corona, CA	1370
KROX	Crookston, Minn.	1460	KTBB	Tyler, Tex.	600	KVEC	San Luis Obispo, Calif.	920	KWRN	Coquille, Oreg.	830
KROY	Sacramento, Calif.	1240	KTCB	Malden, Mo.	1470	KVEE	Conway AR	1330	KWSR	Boonville, Mo.	1370
KRPL	Moscow, Idaho	1400	KTCM	Wayne, Neb.	1590	KVEL	Vernal, Utah	920	KWSD	Mt. Shasta, Calif.	820
KRPT	Anadarko, Okla.	850	KTCR	Minneapolis, Minn.	690	KVEN	Ventura, Calif.	1450	KWSH	Wewaka-Seminole, Okla.	1260
KRRR	Ruidoso, NM	1360	KTCS	Fort Smith AR	1410	KVFC	Cortez, Colo.	1300	KWSL	Sioux City, IA	1470
KRSC	Othello, Wash.	1400	KTDL	Farmersville, La.	1470	KVFD	Ft. Dodge, Iowa	1470	KWSO	Waco, Calif.	1050
KRSI	St. Louis Park, Minn.	950	KTOO	Toledo, Oreg.	1230	KVGB	Great Bend, Kans.	1590	KWSR	Rife, Colo.	810
KRSL	Russell, Kans.	990	KTEE	Idaho Falls, Idaho	1260	KVI	Seattle, Wash.	870	KWSU	Pullman, Wash.	1250
KRSN	Los Alamos, N.Mex.	1490	KTEE	Walla Walla, Wash.	1400	KVIL	Victoria, Tex.	1340	KWTC	Barstow, Calif.	1230
KRSY	Salt Lake City, Utah	1060	KTEA	Tempe, Ariz.	1400	KVIL	Highland Park, Tex.	1150	KWTO	Springfield, Mo.	560
KRSP	Roswell, N.Mex.	1230	KTER	Terrill, Tex.	1570	KVIN	Vinita, OK	1470	KWTX	Waco, Tex.	1230
KRST	Raton, N.Mex.	1490	KTET	Payette, Idaho	1450	KVID	Cottonwood AZ	1600	KWUN	Concord, Cal.	1480
KRTR	Thermopolis, Wyo.	1490	KTET	Texarkana, Tex.	1400	KVIP	Redding, Calif.	540	KWVR	Enterprise, Oreg.	1340
KRUB	Ballinger, Tex.	1400	KTFB	Frederick, Okla.	1570	KVKM	Monahans, Tex.	1330	KWVS	Bismarck-Mandan, ND	1270
KRUS	Ruston, La.	1490	KTCB	Wayne, Neb.	1590	KVLF	Alpine, Tex.	1240	KWWL	Waterloo, Iowa	1330
KRUX	Glendale AZ	1360	KTCR	Minneapolis, Minn.	690	KVLG	LaGrange, Tex.	1570	KWWW	Wemathea, WA	1340
KRVN	Lexington, Neb.	880	KTDL	Farmersville, La.	1470	KVLI	Pauls Valley, Okla.	1470	KWXY	Cathedral City CA	1340
KRVB	Medford, OR	1300	KTOO	Toledo, Oreg.	1230	KVLL	Woodville, Tex.	1220	KWYK	Farmington, N.Mex.	960
KRVB	Roseau, Minn.	1410	KTEE	Idaho Falls, Idaho	1260	KVLF	Fallon, Nev.	690	KWYN	Wynne AR	1400
KRWC	Buffalo, MT	1360	KTEE	Walla Walla, Wash.	1400	KVMA	Magnolia AR	630	KWYO	Sheridan, Wyo.	1410
KRWV	Winters, TX	1060	KTEA	Tempe, Ariz.	1400	KVMC	Colorado City, Tex.	1420	KWYR	Winnon, S.Dak.	1260
KRXA	Seward AK	920	KTER	Terrill, Tex.	1570	KVNC	Winslow, Ariz.	1010	KWYS	W. Yellowstone, Mont.	920
KRXK	Rexburg, Idaho	1350									

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KXJK	Forrest City AR	950	WAGO	Oshkosh, Wis.	890	WBAA	West Lafayette, Ind.	920	WBRW	Somerville, N.J.	1170
KXKW	Lafayette, La.	1520	WAGR	Lumberton, N.C.	580	WBAC	Cleveland, Tenn.	1340	WBRX	Berwick, Pa.	1280
KXLF	Portland, Oreg.	750	WAGS	Bishopville, S.C.	1380	WBAG	Barnesville, Ga.	1090	WBRY	Wodbury TN	1540
KXLE	Ellensburg, Wash.	1240	WAGF	Forest City, N.C.	1320	WBAL	Burlington, N.C.	1150	WBSA	Boaz, AL	1300
KXLF	Butte, Mont.	1370	WAHT	Annlive-Cleona, Pa.	1510	WBAM	Baltimore, Md.	1090	WBSC	Bennettsville, S.C.	1550
KXLR	Lewiston, Mont.	1230	WAIK	Gainesburg, Ill.	1590	WBAM	Montgomery AL	740	WBSS	Blackshear, Ga.	1350
KXLR	North Little Rock AR	1150	WAIL	Baton Rouge, La.	1260	WBAT	Fl. Worth TX	920	WBSSM	New Bedford, Mass.	1420
KXLW	Clayton, MO	1320	WAIN	Anderson, S.C.	1230	WBART	Bartow, Fla.	1460	WBTF	Charlotte, N.C.	1110
KXLY	Spokane, Wash.	920	WAIR	Winston-Salem, N.C.	1340	WBAS	Marion, Ind.	740	WBTA	Batavia, N.Y.	1490
KXLO	El Centro, Calif.	1230	WAIT	Chicago, Ill.	820	WBAX	Wilkes-Barre, Pa.	1240	WBTE	Urichsville, O.	1540
KXOK	St. Louis, Mo.	630	WAJF	Decatur AL	1490	WBBA	Pittsfield, Ill.	1580	WBTE	Windsor, N.C.	980
KXOL	Fl. Worth, Tex.	1360	WAJL	Winter Park, FL	1440	WBBC	Burlington-Graham, N.C.	920	WBTH	Williamson, WV	1400
KXOX	Sweetwater, Tex.	1240	WAJR	Morgantown, W.Va.	1440	WBBC	Rochester, N.Y.	1500	WBTM	Danville, Va.	1330
KXPO	Grafton, ND	1340	WAKE	Gainesville FL	1390	WBBI	Abingdon, Va.	1230	WBTO	Benning, Vt.	1370
KXQR	Cloviss, CA	790	WAKI	McMinville, Tenn.	1230	WBCK	Blakely, Ga.	1280	WBTO	Linton, Ind. AL	1460
KXRA	Alexandria, Minn.	1490	WAKK	McComb, MS	1140	WBBL	Richmond, Va.	1460	WBTS	Bridgeport, N.C.	1460
KXRB	Sioux Falls, S.D.	1520	WAKN	Aiken, S.C.	990	WBMM	Chicago, Ill.	780	WBTV	Bradway-Timberville VA	1470
KXRD	Aberdeen, Wash.	1320	WAKO	Lawrenceville, Ill.	910	WBMM	Clarksburg, WV	1400	WBUC	Buckhannon, W.Va.	1460
KXRG	Truman AR	1530	WAKR	Akron, Ohio	1590	WBBO	Forest City, N.C.	780	WBUD	Trenton, N.J.	1460
KXRX	San Jose, Calif.	1500	WAKS	Fuguy Springs, NC	1460	WBBO	Augusta, Ga.	1340	WBUG	Greentland, S.C.	1280
KXTO	Sherman, Tex.	1500	WAKX	Superior, WI	790	WBBR	Travelers Rest, S.C.	1580	WBUG	Portland, Me.	1400
KXVI	McKinney, TX	1600	WALE	Fall River, Mass.	1400	WBBS	Jacksonville, N.C.	1290	WBUL	Birmingham AL	1220
KXXL	Bozeman, Mont.	1450	WALF	Albany, Ga.	1590	WBBT	Lyons, Ga.	1340	WBUT	Butler, Pa.	1050
KXXO	Tulsa, OK	1300	WALK	Patchogue, N.Y.	1370	WBWV	Youngstons, Ohio	1240	WBUX	Doylestown, Pa.	1570
KXXR	Spokane, WA	1440	WALL	Middletown, N.Y.	1340	WBXX	Portsmouth, N.H.	1380	WBUY	Lexington, N.C.	1440
KXXZ	Colby, Kans.	790	WALM	Albion, Mich.	1260	WBZZ	Pona City, Okla.	1230	WBUZ	Fredonia, N.Y.	1570
KXYB	Brownwood, TX	1240	WALH	Humacao, P.R.	1240	WBCC	Bay Minette AL	1260	WBVM	Wicca, N.Y.	1550
KXYZ	Houston, Tex.	1320	WALY	Herkimer, N.Y.	1420	WBCC	Bedford, Pa.	1490	WBVP	Wetters, Pa.	1400
KYA	San Francisco, Calif.	1260	WAMA	Selma AL	1340	WBCE	Florida, AL	1240	WBYS	Calera AL	1370
KYAC	Seattle, WA	1280	WAMA	Donelson, Tenn.	1190	WBCE	Columbus, GA	1440	WBYS	Canton, Ill.	1560
KYCA	Prescott AZ	1490	WAMB	Aberdeen, Md.	970	WBCH	Hastings, Mich.	1220	WBZ	Boston, Mass.	1030
KYCN	Wheatland, Wyo.	1340	WAMD	Aberdeen, Md.	970	WBCH	Williamsburg, Va.	740	WBZA	Glens Falls, N.Y.	1410
KYDF	Pinetop, AR	1540	WAMG	Galatin, Tenn.	1130	WBCK	Battle Creek, Mich.	930	WBZB	Selma, NC	1090
KYES	Roseburg, Oreg.	950	WAMI	Opp AL	880	WBCC	Bucyrus, Ohio	1540	WBZQ	Greenville, MS	1550
KYET	Payette, Idaho	1450	WAML	Laurel, Miss.	800	WBCC	Milwauke, WI	1340	WBZT	New Castle, Pa.	1140
KYFR	Shenandoah IA	920	WAMM	Flint, Mich.	1420	WBCCU	Union, S.C.	1460	WCAB	Rutherfordton, N.C.	590
KYJC	Medford, Oreg.	1230	WAMO	Pittsburgh, Pa.	860	WBCCW	Jeanette PA	1530	WCAL	Fort Myers, FL	1350
KYKR	Port Arthur, TX	1510	WAMR	Venice, Fla.	1320	WBDD	Escanaba, MI	600	WCAL	Northfield, Minn.	770
KYLT	Missoula, MT	740	WAMS	Wilmington, Del.	1380	WBEC	Pittsfield, Mass.	1420	WCAM	Camden, N.J.	1310
KYME	Boise, Idaho	1080	WAMY	Washington, Ind.	1580	WBEE	Harvey, Ill.	1570	WCAP	Baltimore, Md.	880
KYMN	Northfield, MN	1020	WANA	Andiston AL	1480	WBEE	Elizabethton, Tenn.	1240	WCAP	Lowell, Mass.	960
KYNG	Cos Bay, Oreg.	1420	WANB	Waynesburg Pa.	1500	WBEB	Ellettsville, Ind.	1380	WCAR	Detroit, Mich.	1140
KYNN	Omaha, NE	1490	WANL	Lineville AL	1540	WBEB	Buffalo, N.Y.	1310	WCAS	Cambridge, Mass.	740
KYNO	Fresno, Calif.	1300	WANM	Tallahassee, FL	1070	WBEB	Monks Corner, S.C.	950	WCAT	Orange, Mass.	1390
KYNT	Yankton, S.Dak.	1450	WANP	Annapolis, Md.	1190	WBEB	Brockton, Mass.	1460	WCAT	Philadelphia, Pa.	1210
KYOK	Houston, Tex.	1590	WANQ	Pineville, Ky.	1230	WBEB	Beaufort, S.C.	960	WCAT	Charleston, WV	680
KYOR	Blythe, Calif.	1480	WANR	Annapolis, Md.	1190	WBEB	Beaver Dam, Wis.	1430	WCAY	Cayce, S.C.	820
KYOS	Northridge, Calif.	1460	WANW	Windsor, N.C.	1230	WBEB	Chillicothe, Ohio	1490	WCAY	Carthage, Ill.	960
KYRO	Potosi, Mo.	1280	WANX	Anderson, S.C.	1280	WBEB	Stanton, KY	1470	WCAY	Cornwall, N.Y.	1350
KYOU	Greeley, Colo.	1450	WANZ	Richmond, Va.	990	WBEB	Bedford, Pa.	1490	WCBC	Cumberland, MD	1270
KYSM	Mankato, Minn.	1230	WANZ	Waynesboro, Va.	990	WBEB	Quitman, Miss.	1500	WCBC	Chambersburg, Pa.	1590
KYSN	Colorado Sprngs., Colo.	1480	WAOA	Albany, Ky.	1390	WBGC	Chipley, Fla.	1240	WCBI	Columbus, Miss.	550
KYSS	Missoula, Mont.	930	WAOA	Opelika AL	1520	WBGN	Bowling Green, Ky.	1340	WCBI	Martinsville, Ind.	1540
KYTE	Portland, OR	970	WAOC	St. Augustine, Fla.	1420	WBGR	Paris KY	1440	WCBL	Benton, Ky.	1290
KYU	Bethel AK	560	WAOK	Atlanta, Ga.	1380	WBGY	Tullahoma TN	740	WCBM	Baltimore, Md.	680
KYVA	Gallup, N.Mex.	1230	WAOP	Ostego, Mich.	980	WBHB	Fitzgerald, Ga.	1240	WCBO	Oxford, NC	1460
KYW	Philadelphia, Pa.	1080	WAOV	Vincennes, Ind.	1450	WBHC	Hampton, S.C.	1270	WCBR	Richmond, Ky.	1100
KYXI	Oregon City, Oreg.	1520	WAOF	San Juan, P.R.	860	WBHC	Cartersville, Ga.	990	WCBS	New York, N.Y.	880
KYXX	Odessa, TX	920	WAPI	Jacksonville, Fla.	980	WBHM	Birmingham, Ala.	1550	WCBT	Roanoke Rapids, NC	1130
KZAK	Tyler, Tex.	1330	WAPP	McComb, Miss.	890	WBHN	Bryson City, N.C.	1590	WCBX	Eden, N.C.	1230
KZAM	Bellevue, WA	1540	WAPG	Arcadia, FL	1490	WBHP	Huntsville AL	1230	WCBY	Cheboygan, Mich.	1240
KZEE	Weatherford TX	1220	WAPI	Birmingham AL	1070	WBHT	Brownsville, Tenn.	1520	WCCE	Hartford, Conn.	1290
KZFY	Tyler, TX	690	WAPL	Appleton, Wis.	1570	WBIA	Augusta, Ga.	1230	WCDF	Punta Gorda, Fla.	1580
KZIA	Albuquerque, N.M.	1580	WAPR	Avon Park, Fla.	1390	WBIC	Centerville AL	1110	WCDF	Lawrenceville, Ga.	1360
KZIP	Amarillo, Tex.	1310	WAPR	Ashabula, Ohio	1090	WBIC	New Bern, NC	1380	WCEN	Neillsville, Wis.	1370
KZIQ	Ridgecrest, CA	1360	WARA	Attleboro, Mass.	1320	WBIE	Marietta, Ga.	1080	WCEN	Minneapolis-St. Paul, Minn.	890
KZNG	Hot Springs AR	1340	WARB	Covington, La.	970	WBIG	Greensboro, N.C.	1470	WCEN	Clemson, S.C.	1560
KZOE	Princeton, Ill.	1490	WARD	Pittston, PA	1250	WBIL	Tuskegee AL	880	WCEN	Urbana, Ill.	1580
KZOK	Seattle, WA	1390	WARE	Ware, Mass.	1540	WBIN	Benton, TN	1540	WCEN	Traverse City, Mich.	1310
KZOL	Farwell, TX	1570	WARF	Jasper AL	1240	WBIP	Booneville, Miss.	1400	WCEN	New Castle Beach, FL	1420
KZON	Santa Maria, Cal.	1800	WARI	Abbeville AL	1480	WBIR	Knoxville, Tenn.	1240	WCED	Edenton, N.C.	1260
KZOO	Honolulu, Hawaii	1210	WARK	Hagerstown, Md.	1490	WBIS	Bristol, Conn.	1470	WCED	Carbondale, Pa.	1440
KZOT	Marianna AR	1460	WARM	Sarantona, Pa.	590	WBIS	Adel, Ga.	1470	WCES	Glasgow, Ky.	1440
KZRK	Ozark, AR	1540	WARO	Canonsburg, Pa.	540	WBIV	Bedford, Ind.	1340	WCET	Winchester, Tenn.	1340
KZUL	Parker, AZ	1380	WARR	Warrenton, N.C.	1520	WBIX	Jacksonville Beach, Fla.	1010	WCET	Rocky Mount, N.C.	810
KZUN	Opportunity, Wash.	650	WARU	Peru, Ind.	1600	WBJM	Lamson, S. D.	1400	WCET	Dubuque, Ia.	1420
KZYM	Casper, Wyo.	1490	WARV	Warwick, R.I.	1590	WBK	Chardon, O.	1400	WCHE	Hawkinsville, Ga.	810
KZZN	Littlefield, Tex.	1490	WASA	Havre de Grace, Md.	1330	WBKH	Hattiesburg, Miss.	950	WCHE	Cambridge, Md.	1240
WAAA	Winston-Salem, N.C.	980	WASC	Spartanburg, S.C.	1530	WBKN	Newton, Miss.	1410	WCHE	Mt. Pleasant, Mich.	1150
WAAC	Terre Haute, Ind.	1300	WASK	Lafayette, Ind.	1450	WBKV	West Bend, Wis.	1470	WCER	Charlotte, Mich.	1390
WAAM	Ann Arbor, Mich.	1600	WASP	Brownsville, Pa.	1130	WBLA	Elizabethtown, N.C.	1440	WCFL	Chicago, Ill.	1000
WAAN	Waynesboro TN	1400	WASR	Wolfboro, N.H.	1420	WBLC	Pulaski VA	1810	WCFL	Springfield, Vt.	1460
WAAP	Andalusia AL	1500	WATA	Boone, N.C.	1450	WBLC	Sanford City, Tenn.	1350	WCGB	Washington, R.C.	1050
WAAX	Gadsden AL	570	WATC	Gaylord, Mich.	1290	WBLE	Batesville, Miss.	290	WCGB	Belmont, N.C.	1270
WAAY	Huntsville AL	1550	WATI	Indianapolis, Ind.	810	WBLF	Bellefonte, Pa.	970	WCGL	Jacksonville, FL	1360
WABA	Aquadilla, P.Rico	850	WATK	Antigo, Wis.	900	WBLG	Lexington, Ky.	1300	WCGR	Chicago Hghts., Ill.	1600
WABB	Mobile AL	1480	WATM	Atmore AL	1590	WBLL	Dalton, Ga.	1230	WCGR	Canandaigua, N.Y.	1550
WABC	New York, N.Y.	770	WATN	Watertown, N.Y.	1240	WBLO	Evergreen AL	1470	WCHA	Chambersburg, Pa.	800
WABD	Ft. Campbell, Ky.	1370	WATO	Oak Ridge, Tenn.	1290	WBLS	Batesburg, S.C.	1430	WCHI	Inkster, Mich.	1440
WABF	Fairfax AL	1240	WATP	Marion, S.C.	1390	WBLS	Bedford, Va.	800	WCHI	Westchester, Pa.	1450
WABG	Greenwood, Miss.	960	WATR	Waterbury, Conn.	1320	WBLY	Royston, Ga.	810	WCHI	Chillicothe, Ohio	1350
WABH	Churchville, VA	1150	WATS	Sayre, Pa.	960	WBLY	Springfield, Ohio	1080	WCHJ	Brookhaven, Miss.	1470
WABI	Bangor, Maine	910	WATT	Cadillac, Mich.	1240	WBMA	Beaufort, N.C.	1400	WCHK	Canton, Ga.	1290
WABJ	Adrian, Mich.	1490	WATV	Birmingham AL	900	WBMB	West Branch, MI	1080	WCHL	Chapel Hill, N.C.	1360
WABK	Gardiner, Me.	1280	WATW	Ashland, WI	1400	WBMD	McMinville, Tenn.	960	WCHN	Norwich, N.Y.	970
WABL	Amite, La.	1370	WATZ	Alpena, Mich.	1450	WBME	Baltimore, Md.	750	WCHO	Washington Court House, Ohio	1250
WABO	Waynesboro, Miss.	990	WAUB	Auburn, N.Y.	1500	WBME	Beaufort, Me.	1230	WCHO	Camuy, P.R.	1380
WABQ	Cleveland, Ohio	1540	WAUC	Wauchula, Fla.	1310	WBMK	West Point, Ga.	1310	WCHS	Charleston, W.Va.	580
WABS	Arlington VA	780	WAUD	Auburn AL	1230	WBML	San Juan, P. R.	1190	WCHU	Soddy Daisy, TN	1550
WABV	Abbeville, S.C.	1590	WAUG	Augusta, Ga.	1050	WBMS	Black Mountain, N.C.	1350	WCHU	Charlottesville, Va.	1260
WABY	Albany, N.Y.	1400	WAUK	Waukesha, Wis.	1510	WBNC	Conway, N.H.	1050	WCID	Juncos, PR	1480
WABZ	Albemarle, N.C.	1010	WAVC	Warner Robins, Ga.	1350	WBNI	Boonville, Ind.	1500	WCIL	Carbondale, Ill.	1460
WACA	Camden, S.C.	1580	WAVE	Louisville, Ky.	1210	WBND	Bryson, Ohio	1520	WCIN	Cincinnati, Ohio	1480
WACB	Kittanning, Pa.	800	WAVL	Dayton, Ohio	910	WBND	Beacon, N.Y.	1280	WCIR	Beckley, W. Va.	1070
WACD	Alexander City, AL	1590	WAVN	Stillwater, Minn.	1220	WBNS	Columbus, Ohio	1460	WCIS	Moss Point, MS	1460
WACE	Chicopee, Mass.	730	WAVO	Avondale Estates, Ga.	1420	WBNT	Oneida, Tenn.	1310	WCIT	Lima, Ohio	1450
WACI	The Dalles, Ore.	1300	WAVS	Ft. Lauderdale, Fla.	1190	WBNX	New York, N.Y.	1380	WCJU	Columbia, Miss.	1480
WACK	Newark, N.Y.	1420	WAVT	Albany, Va.	930	WBOL	Galax, Va.	1380	WCJV	Warsaw NY	1440
WACL	Waycross, Ga.	570	WAVZ	New Haven, Conn.	1300	WBOL	Salisbury, Md.	980	WCJN	Dunn, N.C.	780
WACM	Waco, Tex.	1460	WAWA	West Allis, Wis.	1590	WBOL	New Orleans, La.	1230	WCJL	Milton, FL	1490
WACQ	Boston, MA	980	WAWK	Kendallville, Ind.	1140	WBOL	Bolivar, Tenn.	1560	WCJL	Greer, S.C.	1300
WACR	Columbus, Miss.	1050	WAXE	West Beach, Fla.	1370	WBOR	Baraboo, Wis.	740	WCJL	Catskill, N.Y.	560
WACT	Tuscaloosa AL	1420	WAXU	Georgetown, Ky.	1580	WBOP	Pensacola, Fla.	980	WCJM	Winnboro, S.C.	1250
WACX	Austell, Ga.	1600	WAXY	Waynesboro, Va.	1490	WBOW	Terre Haute, Ind.	1230	WCJY	Cincinnati, Ohio	1830
WADA	Shelby, N.C.	1390	WAXZ	Bedford PA	1510	WBOW	Bozoula, La.				

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHc	Call	Location	kHc	Call	Location	kHc
WCMD	Cumberland, MD	1230	WDLN	E. Molino, Ill.	960	WENY	Elmira, N.Y.	1230
WCMG	Jacksonville FL	1050	WDLR	Panama City, Fla.	890	WENZ	Highland Springs, Va.	1450
WCMJ	Ashland, Ky.	1340	WDLT	Indianola, Miss.	1380	WEXK	Poughkeepsie, N.Y.	1390
WCMN	Arco, R.	1380	WDMC	Dover-Foxcroft, Me.	1340	WEOA	Wesley, Ohio	930
WCMP	Pine City, Minn.	1350	WDMG	Douglas, Ga.	860	WEOB	Smithfield, Va.	940
WCMQ	Miami FL	1220	WDMJ	Marquette, Mich.	1320	WEOP	Eupora, MS	710
WCMR	Elkhart, Ind.	1270	WDMK	Dodgeville, Wis.	810	WEPG	S. Pittsburg, Tenn.	910
WCMS	Norfolk, Va.	1050	WDMN	Pocomoke City, Md.	540	WEPH	Martinsburg, W.Va.	1240
WCMT	Martin, Tenn.	1410	WDNC	Durham, N.C.	620	WEGG	Whitley City, KY	1220
WCMT	Ottawa, Ill.	1430	WDNE	Elkins, W. Va.	1240	WEKA	Painfield, NJ	1590
WCNC	Connersville, Ind.	1580	WDNG	Anniston, AL	1450	WERG	Birmingham AL	980
WCNC	Elizabeth City, N.C.	1420	WDNT	Dayton, Tenn.	1280	WERD	Jacksonville, FL	1400
WCND	Shelbyville, Ky.	940	WDOD	Prestonsburg, Ky.	1310	WERE	Cleveland, Ohio	1300
WCNH	Quincy, Fla.	1230	WDOD	Chattanooga, Tenn.	1310	WERH	Hamilton, AL	1270
WCNL	Newport, N. H.	1010	WDOE	Dunkirk, N.Y.	1410	WERI	Westerly, R.I.	930
WCNR	Bloomington, Pa.	830	WDOG	Allendale, S.C.	1450	WERL	Muncie, Ind.	990
WCNU	Crestview, Fla.	1420	WDOI	Athens, Ga.	1470	WERL	Eagle River, Wis.	950
WCOW	Fairfax, Va.	1580	WDOJ	Wheeling, Md.	1540	WERT	Van Wert, Ohio	1220
WCNX	Middletown, Conn.	1150	WDOR	Sturgeon Bay, Wis.	910	WESA	Charleroi, Pa.	840
WCOA	Pensacola, Fla.	1370	WDOS	Oneonta, N.Y.	730	WESB	Bradford, Pa.	1200
WCOC	Meridian, Miss.	910	WDVO	Dover, Del.	1450	WESC	Greenville, S.C.	690
WCOG	Greensboro, N.C.	1320	WDOT	Burlington, Vt.	1400	WESL	E. St. Louis IL	1490
WCOH	Newnan, Ga.	1400	WDOW	Dowagiac, MI	1440	WESN	Southbridge, Mass.	1370
WCOJ	Coatesville, Pa.	1420	WDQN	DuQuoin, Ill.	1530	WESR	Tasley, Va.	1330
WCKK	Sparta, N.C.	1090	WDQN	Hartford, Conn.	1380	WEST	Easton, Pa.	1400
WCKL	Columbus, Ohio	1230	WDSK	Dillon, S.C.	800	WESX	Salem, Mass.	1230
WCOK	Cornelia, Ga.	1450	WDSK	Dyersburg, Tenn.	1450	WESY	Leland, Miss.	1580
WCOR	Lebanon, Tenn.	900	WDSL	Mocksville, N. C.	1520	WETB	Johnson City, Tenn.	790
WCOS	Columbia, S.C.	1400	WDSM	Superior, Wis.	710	WETC	Wendell-Zebulon, N.C.	540
WCOW	Lewiston, Maine	1240	WDSR	Lake City, Fla.	1340	WETD	Delaware, Pa.	1490
WCOV	Montgomery AL	1170	WDSR	New Orleans, La.	1280	WETT	Ocean City, Md.	1590
WCOY	Sparks, Wis.	1240	WDTM	Selmer, Tenn.	1190	WETU	Wetumpka AL	1250
WCPC	Camden, AL	1540	WDUN	Galnesville, Ga.	1240	WETZ	New Martinsville, West Virginia	1330
WCPO	Columbia, Pa.	1580	WDUR	Durham NC	1490	WEUC	Ponce, P.R.	1420
WCPC	Houston, Miss.	940	WDUX	Waupaca, Wis.	800	WEUP	Huntsville AL	1600
WCPC	Etawah, Tenn.	1220	WDUZ	Green Bay, WI	1400	WEUP	Empire, N.C.	880
WCPK	Cheapeake, Va.	1600	WDVA	Danville, Va.	1250	WEVD	New York, N.Y.	1330
WCPD	Pasadena, SC	1240	WDVA	Gainesville, Fla.	1480	WEVE	Evelev, Minn.	1340
WCPD	Cum gratia, SC	1280	WDVL	Vineand, N.J.	1270	WEVR	River Falls, Wis.	1550
WCPK	Coamo, P. R.	1450	WDWO	Dawson, Ga.	990	WEW	St. Louis, Mo.	770
WCPS	Tarboro, N.C.	1480	WDWS	Champaign, Ill.	1400	WEWO	Laurinburg, N.C.	1080
WCRA	Emingham, Ill.	1090	WDXB	Chattanooga, Tenn.	1490	WEXJ	Jacksonville, FL	1260
WCRC	Cheraw, S.C.	1420	WDXE	Lawrenceburg, Tenn.	1370	WEXL	Royal Oak, Mich.	1540
WCRI	Scottsboro AL	1050	WDXI	Jackson, Tenn.	1510	WEXM	Jamestown, Va.	1320
WCRI	Jacksonville, FL	1530	WDXL	Lexington, Tenn.	1490	WEXY	Oakland Park, Fla.	1520
WCRI	Morris town, Tenn.	1190	WDXN	Clarksville, Tenn.	840	WEYF	Sanford, N.C.	1290
WCRL	Oneonta AL	1570	WDXR	Pudueah, Ky.	1500	WEYU	Tallahassee AL	1480
WCRO	Johnstown, Pa.	1230	WDYX	Sumter, S.C.	1240	WEZE	Boston, Mass.	1290
WCRS	Greenwood, S.C.	1450	WDYX	Buford, GA	1480	WEZJ	Williamsburg, Ky.	1440
WCRT	Birmingham AL	1260	WDZ	Deatur, Ill.	1050	WEZQ	Winfield AL	1300
WCRT	Washington, N.J.	1580	WDZY	Pine Castle-Sky Lake, FL	1190	WFAA	Dallas-Ft. Worth TX	570
WCRT	Chicago, Ill.	1240	WEAB	Greer, S.C.	800	WFAB	Juncos, PR	1460
WCRA	Ripley, Mass.	1260	WEAC	Garnet, S. C.	1600	WFAD	Middlebury, Vt.	1490
WCSC	Charleston, S.C.	1390	WEAL	Alexis, Tenn.	1470	WFAG	Farmville, N.C.	1250
WCSP	Portland, Maine	970	WEAL	Greensboro, N.C.	1810	WFAH	Alliance, Ohio	1310
WCSP	Columbus, Ind.	1010	WEAM	Arlington, Va.	1350	WFAJ	Fayetteville, N.C.	1230
WCSP	Morris, Ill.	1850	WEAN	Providence, R.I.	790	WFAK	Washington, DC	1340
WCSP	Cherryville, N. C.	1890	WEAQ	Eau Claire, Wis.	790	WFAR	Farrell, Pa.	1340
WCSP	Cello, Ohio	1350	WEAS	Savannah, Ga.	950	WFAR	White Plains, N.Y.	1230
WCSP	Hillsdale, Mich.	1340	WEAV	W. Palm Beach, Fla.	850	WFAU	Augusta, Me.	1340
WCSS	Amsterdam, N.Y.	1490	WEAV	Pittsburg, N.Y.	990	WFAV	Ft. Atkinson, Wis.	940
WCST	Berkeley Springs, W. Va.	1010	WEAW	Evanston, Ill.	1330	WFAH	Falls Church, Va.	1220
WCST	Crossville, TN	1490	WEWB	Baltimore, MD	1360	WFBK	San Sebastion, P.R.	1460
WCST	Delaware, W. Va.	940	WEBC	Duluth, Minn.	560	WFBG	Greenville, S.C.	1390
WCST	New Brunswick, N.J.	1450	WEBJ	Brewton AL	1240	WFBH	Altoona, Pa.	1390
WCST	Eaton, Ohio	1180	WEBO	Owego, N.Y.	1330	WFBK	Syracuse, N.Y.	1390
WCST	Potomac-Cabin John MD	1300	WEBO	Harrisburg, Ill.	1240	WFRB	Baltimore, MD	1300
WCST	Chestertown MD	1530	WEBO	Buffalo, N.Y.	970	WFRS	Spring Lake, N. C.	1450
WCST	Corbin, Ky.	980	WEBS	Calhoun, Ga.	1110	WFBS	Minocqua WI	1570
WCST	New Castle, Ind.	1080	WECL	Eau Claire, Wis.	1050	WFCM	Winston-Salem, N. C.	1550
WCST	Manitowoc, Wis.	980	WECO	Wartburg, TN	940	WFDF	Flint, Mich.	910
WCST	Cuyahoga Falls, Ohio	1150	WEGP	Garthage, MS	1480	WFDF	Manchester, Va.	1370
WCST	Cuthbert, Ga.	850	WEDC	Chicago, Ill.	1240	WFEA	Manchester, N.H.	1370
WCST	Grand Rapids MI	1230	WEDS	Soddy, Tenn.	1240	WFEB	Sylacauga AL	1340
WCST	Culpeper, Va.	1490	WEDO	Grand Rapids, Pa.	810	WFEC	Harrisburg, Pa.	1400
WCST	Tallahassee, FL	1350	WEED	Southern Pines, N.C.	990	WFFG	Marathon, Fla.	1300
WCST	Chattanooga, Pa.	1370	WEED	Roaky Mount, N.C.	1390	WFLG	Fitchburg, Mass.	980
WCST	Crawfordsville, Ind.	1550	WEEU	Waynesboro, Pa.	1130	WFGN	Gaffney, S.C.	1570
WCST	Murphy, N.C.	800	WEEL	Boston, Mass.	590	WFGN	Wilton, FL	1330
WCST	Randolph, Vt.	1320	WEEL	Fairfax, Va.	1310	WFGW	Black Mountains, N.C.	1010
WCST	Springfield, Ill.	1450	WEEN	Lafayette, Tenn.	1460	WFHG	Bristol, Va.	980
WCST	Toledo, O.	1230	WEER	Pittsburgh, Pa.	1080	WFHK	Pell City AL	1430
WCST	Ripon, Wis.	1600	WEER	Warrenton, Va.	1250	WFHR	Wis. Rapids, Wis.	1320
WCST	Osceola Beach, FL	1370	WEET	Richmond, VA	1320	WFIA	Louisville, Ky.	960
WCST	Cynthiana, Ky.	1400	WEUU	Reading, Pa.	650	WFIC	Colinsville, Va.	1530
WCST	Indiana, Pa.	1450	WEVV	Washington, N.C.	1320	WFIF	Milford, Conn.	1500
WCST	Tampa, Fla.	1250	WEWX	Easton, Pa.	1230	WFIS	Sumter, S.C.	1290
WCST	Kansas City, Mo.	810	WEGG	Vega Baja, P. R.	1340	WFIL	Philadelphia, Pa.	580
WCST	Clumbus, Ga.	940	WEGO	Rose Hill, N.C.	710	WFIN	Findlay, Ohio	990
WCST	Danville, Ill.	1490	WEGP	Concord, N.C.	1410	WFIR	Roanoke, Va.	980
WCST	Darlington, S.C.	1350	WEHH	Presque Isle, Maine	1390	WFIS	Fountain Inn, S.C.	1600
WCST	Philadeilphia, Pa.	1480	WEHM	Elmira Heights-Horseheads, N.Y.	1590	WFIS	Kissimmee, Fla.	1080
WCST	Ormond Beach, Fla.	1380	WEIC	Charleston, Ill.	1270	WFIV	Fairfield, Ill.	1390
WCST	McRae, Ga.	1410	WEIM	Mountville, W. Va.	1270	WFIX	Huntsville AL	1450
WCST	Fargo, N. Dak.	970	WEIM	Fitchburg, Mass.	1280	WFJZ	Inez, KY	1590
WCST	Escanaba, Mich.	880	WEIR	Wairton, W. Va.	1430	WFKN	Franklin, Ky.	1220
WCST	Delray Beach, Fla.	1420	WEIS	Cent AL	990	WFKY	Frankfort, Ky.	1490
WCST	Springfield, Tenn.	1590	WEIJ	Seranton, Pa.	630	WFLA	Tampa, Fla.	970
WCST	Statesville, N.C.	850	WEKG	Jackson, Ky.	810	WFLB	Fayetteville, N.C.	1490
WCST	Orlando, Fla.	880	WEKO	Cabo Rojo, P.R.	930	WFLI	Lookout Mountain-Chattanooga TN	1070
WCST	Dubuque, Iowa	1490	WEKR	Fayetteville, Tenn.	1240	WFLN	Philadelphia, Pa.	900
WCST	Dade City, Fla.	1350	WEKY	Richmond, Ky.	1340	WFLD	Farmville, Va.	870
WCST	Dunedin FL	1470	WEKZ	Monroe, Wis.	1280	WFLR	Dundee, N.Y.	1570
WCST	Hanover, N.H.	1340	WELB	Eiba AL	1350	WFLR	Fredericksburg, Va.	1360
WCST	Lancaster, PA	1490	WELC	Welch, W. Va.	1150	WFLW	Monticello, Ky.	1360
WCST	Macon, Ga.	1370	WELD	Fisher, W. Va.	1190	WFMC	Goldsboro, N.C.	730
WCST	Greenville, Miss.	900	WELS	S. Dayton, Fla.	1590	WFMD	Frederick, Md.	930
WCST	Glocester, Va.	1420	WELI	New Haven, Conn.	960	WFMH	Cullman, AL	1460
WCST	Ellsworth, Me.	1370	WELK	Charlottesvllle, Va.	1010	WFMI	Youngstown, Ohio	1390
WCST	Jamestown, Tenn.	1500	WELM	Elmira, N.Y.	1410	WFMO	Fairmont, N.C.	860
WCST	Americus, Ga.	1290	WELP	Tupelo, Miss.	580	WFMV	Madisonville, KY	730
WCST	Detroit, Mich.	1800	WELR	Roanoke AL	1360	WFMT	Chicago, IL	1450
WCST	Chattanooga, Tenn.	1370	WELS	Kinston, N.C.	1010	WFNT	Fayetteville, N.C.	940
WCST	Sweetwater, Tenn.	800	WELV	Ellenville, N.Y.	1370	WFNB	North Augusta, SC	1600
WCST	Wilmington, Del.	1150	WELW	Willoughby, O.	1330	WFOG	Suffolk, Va.	1430
WCST	Macon, Ga.	1500	WELX	Xenia, O.	1170	WFOH	Marietta, Ga.	1230
WCST	Waterbury, Vt.	550	WELY	Ely, MN	1450	WFOH	Hattiesburg, Miss.	1490
WCST	Douglasville, Ga.	1520	WELZ	Belzoni, Miss.	1280	WFOY	St. Augustine, Fla.	1240
WCST	New Albany IN	1280	WELB	Berwin, Tenn.	1420	WFOY	Fort Payne AL	1400
WCST	Mineapolis, Minn.	1370	WEMD	Easton, Md.	1460	WFOY	Atlantic City, N.J.	1450
WCST	Hanesdale PA	1590	WEMJ	Laconia, N.H.	1490	WFOY	Fort Valley, Ga.	1150
WCST	Memphis, Tenn.	1070	WEMP	Milwaukee, Wis.	1250	WFOR	Hammond, La.	1400
WCST	Clincho, Va.	1430	WENA	Penelas, PR	1330	WFOR	Franklin, Pa.	1450
WCST	Dothan AL	1450	WENC	Whitellie, N.C.	1220	WFRB	Frostburg, Md.	560
WCST	Orangeburg, S.C.	1180	WENE	Ebensburg, Pa.	1380	WFRS	Reidsville, N.C.	1600
WCST	Mt. Olive, N.C.	1490	WENG	Endicott, Conn.	1430	WFRS	Freeport, Ill.	1570
WCST	Wilmington, Conn.	1330	WENI	New Haven, Conn.	960	WFRS	Coudersport, Pa.	600
WCST	Ward, S. C.	1310	WENK	Union City, Tenn.	1240	WFRS	Frement, Ohio	900
WCST	Dickson, Tenn.	1260	WENN	Birmingham, AL	1320	WFRS	West Frankfort, Ill.	1300
WCST	Lake Walton, N.Y.	1270	WENR	Englewood, Tenn.	1090	WFRS	Franklin, N.C.	1050
WCST	Marshfield, WI	1450	WENT	Gloversville-Johnston NY	1340	WFRS	Franklin, N.C.	1050
WCST	Port Jervis, N.Y.	1490				WFSH	Valparaiso, Fla.	1340
WCST	Delaware, Ohio	1550						
WFSO	Pinellas, Fla.	1570						
WFSF	Kingwood, W. Va.	1500						
WFSR	Harlan, Ky.	1470						
WFST	Caribou, Maine	600						
WFTC	Kinston, N.C.	1470						
WFTG	London, Ky.	1400						
WFLI	Ft. Lauderdale, Fla.	1400						
WFTM	Maysville, Ky.	1240						
WFTN	Franklin, N.H.	1240						
WFTO	Fulton, Miss.	1350						
WFTP	P. Pierce FL	1350						
WFTQ	Worcester MA.	1350						
WFTW	Front Royal, Va.	1450						
WFTW	Ft. Walton Beach, Fla.	1260						
WFUL	Fulton, Ky.	1270						
WFUR	Grand Rapids, Mich.	1570						
WFVA	Fredericksburg, Va.	1230						
WFVR	Aurora IL	1580						
WFVL	Camden, Tenn.	1220						
WFWR	Ft. Wayne, Ind.	1090						
WFXY	Middlesboro, KY	1580						
WFYX	Alma, Mich.	1280						
WGAA	Cedar town, Ga.	1340						
WGAD	Augusta, Ga.	1360						
WGAF	Gadsden PA.	1580						

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WGUY	Bangor, Maine	1250	WHYN	Springfield, Mass.	560	WJAK	Jackson, TN	1460	WKBG	N. Wilkesboro, N.C.	810
WGVA	Geneva, N.Y.	1240	WHYP	North East, Pa.	1530	WJAM	North East, Pa.	1310	WKBI	St. Marys, Pa.	1400
WGVN	Greenville, Miss.	1260	WHYT	Noblesville, Ind.	1110	WJAR	Providence, R.I.	920	WKBJ	Milan, Tenn.	1600
WGWC	Selma, Ala.	1340	WHYZ	Greenville, S. C.	1070	WJAT	Swainsboro, Ga.	800	WKBK	Keene, N.H.	1220
WGRW	Ashboro, N.C.	1260	WHAZ	Hazleton, Pa.	1300	WJAX	Jacksonville, Fla.	930	WKBK	Covington, Tenn.	1230
WGY	Schenectady, N.Y.	810	WIAA	San Juan, P.R.	1540	WJBB	Bloomington, Ill.	1230	WKBK	Yonkers, Ohio	570
WGYV	Greenville AL	1380	WIAF	Clarksville, Ga.	1500	WJBB	Haleyville AL	1230	WKBK	Harrisburg, Pa.	1230
WHA	Madison, Wis.	970	WIAM	Williamston, N.C.	900	WJBB	Bloomington, Ill.	1230	WKBK	Garner, N.C.	1000
WHAG	Halfway, Md.	1410	WIBA	Madison, Wis.	1310	WJBB	Bloomington, Ill.	1230	WKBK	Manchester, N.H.	1250
WHA1	Greenfield, Mass.	1240	WIBB	Macon, Ga.	1280	WJBD	Salem, Ill.	1430	WKBK	Richmond, Ind.	1420
WHAK	Rogers City, Mich.	960	WIBC	Muncie, IN	1070	WJBE	Knockville, Tenn.	1350	WKBW	Buffalo, N.Y.	1590
WHAL	Shelbyville, Tenn.	1400	WIBM	Jackson, Mich.	1450	WJBL	Holland, Mich.	1260	WKBX	Savannah, Ga.	630
WHAM	Rochester, N.Y.	1180	WIBR	Baton Rouge, La.	1300	WJBM	Jerseyville, Ill.	1480	WKBX	Chatham, Va.	1080
WHAN	Haines City, Fla.	1360	WIBU	Poyonette, Wis.	1240	WJBO	Baton Rouge, La.	1150	WKBZ	Muskegon, Mich.	850
WHAP	Hopewell, Va.	1340	WIBV	Belleville, Ill.	1260	WJBO	Westbrook-Portland, Me.	1440	WKBZ	Indianan, Ky.	1340
WHAR	Clarksburg, W.Va.	1340	WIBW	Utica, N.Y.	950	WJBY	Gadsden AL	930	WCKC	Oroquois, PR	1470
WHAS	Louisville, Ky.	840	WIBX	Topeka, Kans.	950	WJCD	Seymour, Ind.	1390	WCKM	Lewisport, KY	1140
WHAT	Philadelphia, Pa.	1340	WICC	Bridgeport, Conn.	600	WJCM	Sebring, Fla.	960	WCKT	Bowling Green, Ky.	930
WHAV	Haverhill, Mass.	1490	WICE	Providence, RI	1290	WJCN	Jackson, Mich.	1510	WCCU	Corinth, Miss.	1350
WHAV	Weston, W.Va.	980	WICH	Norwich, Conn.	1310	WJDA	Johnston City, Tenn.	910	WCKW	Warrenton, Va.	1420
WHB	Troy, N.Y.	1330	WICK	Seranton, Pa.	1400	WJDA	Quincy, Mass.	1300	WCKY	Harrisburg, Va.	1300
WHB	Kansas City, Mo.	1050	WICO	Salisbury, Md.	1320	WJDB	Thomasville AL	630	WKDC	Nashville, Tenn.	1240
WHBB	Selma AL	1490	WICY	Malone, N.Y.	1520	WJDM	Elizabeth, N.J.	1530	WKDC	Elmhurst, IL	1530
WHBC	Canton, Ohio	1470	WIDD	Elizabethton, Tenn.	1520	WJDN	Meridian, MS	1330	WKDE	Altavista, Va.	1000
WHBF	Rock Island, Ill.	1280	WIDE	Biddeford, Maine	1400	WJDX	Jackson, Miss.	620	WKDH	Ashland, VA	1430
WHBG	Harrisonburg, Va.	1360	WIDG	St. Ignace, Mich.	940	WJDX	Salisbury, Md.	1470	WKDK	Newberry, S.C.	1240
WHBI	Sheboygan, Wis.	1350	WIDU	Fayetteville, N.C.	1600	WJDX	Salisbury, Md.	1470	WKDL	Clarksdale, Miss.	1600
WHBN	Harrisburg, Pa.	1240	WIFE	Indianapolis, IN	1310	WJDX	Salisbury, Md.	1470	WKDO	Liberty, Ky.	1580
WHBO	Tampa, Fla.	1050	WIFM	Auburn, Ind.	1470	WJEM	Valdosta, Ga.	1150	WKDR	Sparksburg, N.Y.	1070
WHBQ	Memphis, Tenn.	860	WIFM	Elkins, N.C.	1320	WJER	Dover-New Philadelphia, O.	1450	WKDW	Staunton, Va.	900
WHBU	Anderson, Ind.	1240	WIGG	Wiggins, Miss.	1370	WJFC	Jefferson City, Tenn.	1480	WKDX	Hamlet, N.C.	1250
WHBY	Appleton, Wis.	1230	WIGM	Medford, Wis.	1490	WJFL	Vicksburg, MS	1490	WKDY	Spartanburg, SC	1400
WHCC	Waynesville, N.C.	1400	WIGO	Atlanta, Ga.	1340	WJGA	Jackson, Ga.	1540	WKDZ	Cadiz, Ky.	1110
WHCO	Sparta, Ill.	1290	WIGS	Gouverneur, N.Y.	1230	WJHC	Hotchkiss, WI	1540	WKED	Frankfort, KY	1130
WHCU	Itasca, N.Y.	870	WIID	Garden City, Mich.	1090	WJJK	Eau Claire WI	1400	WKEE	Huntington, W. Va.	800
WHDF	Houghton, Mich.	1400	WIKB	Iron River, Mich.	1230	WJJK	Niagara Falls, N.Y.	1440	WKEG	Washington, Pa.	1110
WHDH	Boston, Mass.	850	WIKC	Bogusa, La.	1480	WJKA	Jackson, Ga.	1540	WKEP	Kewanee, Ill.	1450
WHDL	Olean, N.Y.	1450	WIKI	Newport, Vt.	1490	WJKA	Jackson, Ga.	1540	WKEP	Imperial, FL	960
WHDM	McKenzie, Tenn.	1440	WIKY	Evansville, Ind.	820	WJJO	Opeika AL	1400	WKEN	Dover, DE	1100
WHED	Portsmouth, N.H.	750	WIL	St. Louis, Mo.	1430	WJJC	Salem, N. J.	1510	WKER	Pompton Lakes, N.J.	1500
WHED	Rochester, N.Y.	1490	WILA	Danville, Va.	1570	WJJC	Commerce, Ga.	1480	WKEU	Griffin, Ga.	1450
WHED	Marionville, Va.	1490	WILB	Boston, Mass.	1270	WJJC	Commerce, Ga.	1480	WKEX	Blacksburg, Va.	1430
WHEN	Syracuse, N.Y.	820	WILE	Cambridge, Ohio	1270	WJJD	Chicago, Ill.	1260	WKEX	Blacksburg, Va.	1430
WHES	Stuart, Va.	1520	WILL	Williamstown, Conn.	980	WJJD	Chicago, Ill.	1260	WKFD	Wickford, R.I.	1370
WHEP	Foley AL	1310	WILK	Wilkes-Barre, Pa.	980	WJJK	Niagara Falls, N.Y.	1440	WKFV	Wilmington, OH	1090
WHET	Waltham, MA	1330	WILL	Urbana, Ill.	580	WJJK	Niagara Falls, N.Y.	1440	WKGK	Knoxville, Tenn.	1340
WHFB	Benton Harbor-St. Joseph, Mich.	1050	WILM	Wilmingon, Del.	1450	WJJK	Niagara Falls, N.Y.	1440	WKGX	Lenoir, N.C.	1080
WHGR	Houghton L., Mich.	1290	WILN	Frankfort, Ind.	1370	WJJK	Niagara Falls, N.Y.	1440	WKHJ	Holly Hill SC	1440
WHHH	Warren, Ohio	1440	WILS	Lansing, Mich.	1520	WJJK	Niagara Falls, N.Y.	1440	WKHM	Jackson, Mich.	970
WHHL	Pine Castle-Sky Lake, FL	1190	WILY	Centraia, Ill.	1210	WJJK	Niagara Falls, N.Y.	1440	WKIC	Hazard, Ky.	1390
WHHM	Henderson, Tenn.	1580	WIMA	Lima, Ohio	1300	WJJK	Niagara Falls, N.Y.	1440	WKIE	Richmond VA	1540
WHHO	Hornell, N.Y.	1320	WIMB	Winder, Ga.	1300	WJJK	Niagara Falls, N.Y.	1440	WKIG	Glenville, Ga.	1580
WHHT	Lucedale, Miss.	1440	WIMS	Michigan City, Ind.	1420	WJJK	Niagara Falls, N.Y.	1440	WKIK	Leonardtown, Md.	1370
WHHV	Hillsville, Va.	1400	WINA	Charlottesville, Va.	1070	WJJK	Niagara Falls, N.Y.	1440	WKIN	Kingsport, Tenn.	1320
WHHY	Montgomery AL	1440	WINC	Winchester, Va.	1400	WJJK	Niagara Falls, N.Y.	1440	WKIP	Poughkeepsie, N.Y.	1450
WHIC	Hardinsburg, Ky.	1520	WIND	Chicago, Ill.	560	WJJK	Niagara Falls, N.Y.	1440	WKIS	Orlando, Fla.	740
WHIE	Griffin, Ga.	1320	WINE	Brookfield, Conn.	940	WJJK	Niagara Falls, N.Y.	1440	WKIX	Raleigh, N.C.	850
WHII	Bay Springs, Miss.	1570	WINF	Manchester, Conn.	1260	WJJK	Niagara Falls, N.Y.	1440	WKIZ	Key West, Fla.	1500
WHIM	Providence, R.I.	1110	WINH	Georgetown, S. C.	1470	WJJK	Niagara Falls, N.Y.	1440	WKJB	Mayaguez, P.R.	710
WHIN	Gallatin, Tenn.	1440	WINI	Murphysboro, Ill.	1420	WJJK	Niagara Falls, N.Y.	1440	WKJC	Granite Falls, N.C.	900
WHIO	Dayton, Ohio	1290	WINK	Fort Myers, Fla.	1240	WJJK	Niagara Falls, N.Y.	1440	WKJR	Muskegon Heights, Mich.	1520
WHIP	Mooresville, N.C.	1350	WINN	Louisville, Ky.	1240	WJJK	Niagara Falls, N.Y.	1440	WKKN	Rockford, IL	1150
WHIR	Danville, Ky.	1230	WINT	Tampa, Fla.	1010	WJJK	Niagara Falls, N.Y.	1440	WKKG	Hibbing, MN	1070
WHIS	Bluefield, W.Va.	1440	WINS	Binghamton, N.Y.	680	WJJK	Niagara Falls, N.Y.	1440	WKKS	Vaneburg, Ky.	1660
WHIT	New Bern, N.C.	1450	WINS	New York, N.Y.	1010	WJJK	Niagara Falls, N.Y.	1440	WKKX	DeLand FL	1310
WHIY	Moulton, Ala.	1530	WINU	Highland, Ill.	1510	WJJK	Niagara Falls, N.Y.	1440	WKLD	Ludington, Mich.	1450
WHIZ	Zanesville, Ohio	1240	WINW	Canon, O.	1520	WJJK	Niagara Falls, N.Y.	1440	WKLC	St. Albans, W.Va.	1300
WHJE	Greensburg, Pa.	820	WINX	Rockville, Md.	1500	WJJK	Niagara Falls, N.Y.	1440	WKLF	Clanton AL	980
WHJC	Matawan, W. Va.	1360	WINY	Putnam, Conn.	1350	WJJK	Niagara Falls, N.Y.	1440	WKLG	Cloquet, Minn.	1230
WHK	Cleveland, Ohio	1420	WINZ	Miami, Fla.	840	WJJK	Niagara Falls, N.Y.	1440	WKLM	Wilmington, N.C.	980
WHKP	Hendersonville, N.C.	1450	WIOD	Miami, Fla.	810	WJJK	Niagara Falls, N.Y.	1440	WKLO	Louisville, Ky.	1080
WHKY	Hickory, N.C.	1290	WIOE	New Boston, Ohio	1010	WJJK	Niagara Falls, N.Y.	1440	WKLP	Keyser, W. Va.	1390
WHLE	Virginia, Minn.	1440	WION	Ionia, Mich.	1430	WJJK	Niagara Falls, N.Y.	1440	WKLS	Atlanta, Ga.	970
WHLD	Niagara Falls, N.Y.	1270	WIOO	Carlsie, Pa.	1000	WJJK	Niagara Falls, N.Y.	1440	WKLV	Blacksburg, Va.	1440
WHLF	South Boston, Va.	1400	WIOS	Tawas City-East Tawas, Mich.	1480	WJJK	Niagara Falls, N.Y.	1440	WKLY	Hartwell, Ga.	980
WHLI	Hempstead, N.Y.	1100	WIOA	Komo, Ind.	1340	WJJK	Niagara Falls, N.Y.	1440	WKMB	Strirling NJ	1070
WHLL	Wheeling, W.Va.	1800	WIOB	Philadelphia, Pa.	810	WJJK	Niagara Falls, N.Y.	1440	WKMC	Roaring Spring, Pa.	1470
WHLM	Bloomsburg, Pa.	850	WIOC	Lake Wales, Fla.	1280	WJJK	Niagara Falls, N.Y.	1440	WKMF	Flint, Mich.	1370
WHLN	Harlan, Ky.	1410	WIOP	San Juan, P.R.	940	WJJK	Niagara Falls, N.Y.	1440	WKMG	Newberry, S.C.	1520
WHLO	Akron, Ohio	1440	WIPO	Ticonderoga, N.Y.	1250	WJJK	Niagara Falls, N.Y.	1440	WKMI	Kalamazoo, Mich.	360
WHLP	Centerville, Tenn.	1450	WIPT	Horseheads, N. Y.	1000	WJJK	Niagara Falls, N.Y.	1440	WKMT	Kings Mtn., N.C.	1220
WHLS	Port Huron, Mich.	1570	WIRA	Pt. Pierce, Fla.	1400	WJJK	Niagara Falls, N.Y.	1440	WKND	Windsor, Conn.	1480
WHLT	Huntington, Ind.	1300	WIRE	Enterprise AL	600	WJJK	Niagara Falls, N.Y.	1440	WKNE	Keene, N.H.	1290
WHLW	Lakewood, N.J.	1170	WIRH	Hickory N.C.	630	WJJK	Niagara Falls, N.Y.	1440	WKNG	Tallahassee, GA	1060
WHMA	Anniston AL	1380	WIRL	Lake Placid, N.Y.	1370	WJJK	Niagara Falls, N.Y.	1440	WKNR	Battle Creek MI	1400
WHMB	Howell, Mich.	1350	WIRP	Indianapolis, Ind.	1450	WJJK	Niagara Falls, N.Y.	1440	WKNT	Kent, Ohio	1570
WHMC	Northampton, Mass.	400	WIRW	Washington, Tenn.	740	WJJK	Niagara Falls, N.Y.	1440	WKNY	Saginaw, Mich.	1210
WHMT	Humboldt TN	1180	WIRX	W. Palm Beach, Fla.	1290	WJJK	Niagara Falls, N.Y.	1440	WKNX	Kingston, N.Y.	1490
WHN	New York, N.Y.	1050	WIRY	Peoria, Ill.	1290	WJJK	Niagara Falls, N.Y.	1440	WKOA	Hopkinsville, Ky.	1480
WHNC	Henderson, N.C.	890	WIRO	Ironton, Ohio	1230	WJJK	Niagara Falls, N.Y.	1440	WKOG	Gordon, Ga.	1580
WHND	Monroe, MI	560	WIRV	Irvine, Ky.	1550	WJJK	Niagara Falls, N.Y.	1440	WKOK	Sunbury, Pa.	1070
WHNE	Portsmouth, Va.	1350	WIRY	Plattville, N.Y.	1370	WJJK	Niagara Falls, N.Y.	1440	WKOL	Amsterdam, N.Y.	1570
WHNF	McComb, Miss.	1230	WIS	Columbia, S.C.	560	WJJK	Niagara Falls, N.Y.	1440	WKOP	Birmingham, N.Y.	1360
WHNS	Des Moines, Iowa	1040	WISA	Isabella, P.R.	1390	WJJK	Niagara Falls, N.Y.	1440	WKOR	Starville, Miss.	980
WHOA	San Juan, P.R.	870	WISK	Asheville, N.C.	1310	WJJK	Niagara Falls, N.Y.	1440	WKOV	Wellston, Ohio	1330
WHOC	Philadelphia, Miss.	1490	WISL	Shamokin, Pa.	1480	WJJK	Niagara Falls, N.Y.	1440	WKOX	Framingham, Mass.	1190
WHOD	Jackson, AL	1230	WISM	Madison, Wis.	1480	WJJK	Niagara Falls, N.Y.	1440	WKOY	Bluefield, W.Va.	1240
WHOK	Lancaster, Ohio	1320	WISN	Milwaukee, Wis.	1130	WJJK	Niagara Falls, N.Y.	1440	WKOZ	Kosciusko, Miss.	1340
WHOL	Allentown, Pa.	1600	WISO	Ponce, P.R.	1260	WJJK	Niagara Falls, N.Y.	1440	WKPA	New Kensington, Pa.	1150
WHON	Centerville, Ind.	930	WISP	Kinston, N.C.	1230	WJJK	Niagara Falls, N.Y.	1440	WKPG	Port Gibson, MS	1320
WHOO	Orlando, Fla.	990	WISR	Butler, Pa.	680	WJJK	Niagara Falls, N.Y.	1440	WKPK	Pittsburgh PA	1320
WHOP	Hopkinton, Ky.	1230	WISS	Berlin, Wis.	1090	WJJK	Niagara Falls, N.Y.	1440	WKPR	Kalamazoo, Mich.	1420
WHOS	Decatur AL	800	WIST	Charlotte, N.C.	1240	WJJK	Niagara Falls, N.Y.	1440	WKPT	Kingsport, Tenn.	1400
WHOT	Campbell, Ohio	1340	WIT	Baltimore, Md.	1230	WJJK	Niagara Falls, N.Y.	1440	WKQT	Garyville, La.	1010
WHOU	Houlton, Maine	1330	WITL	Lansing, Mich.	1010	WJJK	Niagara Falls, N.Y.	1440	WKRA	Holly Springs, Miss.	1110
WHOW	Clinton, IL	1520	WITY	Washington, N.C.	930	WJJK	Niagara Falls, N.Y.	1440	WKRC	Cincinnati Ohio	550
WHOW	Salinas, P. R.	1210	WITZ	Danville, Ill.	980	WJJK	Niagara Falls, N.Y.	1440	WKRG	Mohawk AL	710
WHB	Harrisburg, Pa.	980	WIVK	Xasper, Ind.	890	WJJK	Niagara Falls, N.Y.	1440	WKRI	West Warwick RI	1450
WHBP	Belton, S.C.	1390	WIVN	Knoxville, Tenn.	850	WJJK	Niagara Falls, N.Y.	1440	WKRR	Murphy, N.C.	1320
WHPI	Herrin IL	1340	WIVS	Crystal Lake, Ill.	830	WJJK	Niagara Falls, N.Y.	1440	WKRM	Columbia, Tenn.	1340
WHPL	Winchester, Va.	610	WIVV	Vieques, P.R.	1370	WJJK	Niagara Falls, N.Y.	1440	WKRO	Cairo, Ill.	1490
WHPN	Hyde Park, NY	950	WIXC	Fayetteville, Tenn.	1190	WJJK	Niagara Falls, N.Y.	1440	WKRS	Waukegan, Ill.	1220
WHPY	Clayton NC	1560	WIXE	Monroe, N.C.	1190	WJJK	Niagara Falls,				

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WKVE	Cave City, KY	800	WLRG	Whitehall, Mich.	1490	WMPD	Dayton, Ohio	1270	WNVA	Norton, Va.	1350
WKVM	Knox, Ind.	1520	WLRO	Lorain, Ohio	1380	WMPD	Hancock, Mich.	920	WNVV	Nicholasville, Ky.	1230
WKVO	San Juan, P.R.	810	WLRV	Lebanon, VA	1380	WMPM	Smithfield, N.C.	1270	WNVY	Pensacola, Fla.	1250
WKVQ	Havelock, N.C.	1330	WLSA	Chicago, Ill.	890	WMPQ	Middleport-Pomeroy, Ohio	1390	WNWJ	Valparaiso, Ind.	1080
WKVQ	Knoxville, TN	1490	WLSB	Copper Hill, Tenn.	1400	WMPQ	Chicago Heights, Ill.	1470	WNWS	South Miami FL	790
WKVY	Brattleboro, Vt.	1490	WLSL	Loris, S.C.	1570	WMPQ	Memphis, Tenn.	680	WNXT	Portsmouth, Ohio	1280
WKWF	Key West, Fla.	1600	WLSM	Big Stone Gap, Va.	1220	WMPQ	St. Williamsport, PA	1450	WNYC	New York, N.Y.	1440
WKWK	Wheeling, W.Va.	1400	WLSO	Wallace, N.C.	1410	WMPX	Midland, MI	1490	WNYG	Babylon, N.Y.	1440
WKWM	Kentwood, MI	1140	WLSQ	Lansford, Pa.	1400	WMPY	Memphis, Tenn.	1480	WNYN	Canton, O.	900
WKXA	Brinsford, ME	900	WLSR	Pikeville, Ky.	900	WMPY	Greenville, S.C.	1490	WNYR	Rochester, N.Y.	680
WKXL	Concord, N.H.	1450	WLSM	Louisville, Miss.	1270	WMPY	Worcester, Mass.	1490	WOAI	San Antonio, Tex.	1200
WKXO	Berea, KY	1500	WLSM	Montgomery, AL	950	WMPY	Milford, Mass.	1490	WOAP	Owosso, Mich.	1080
WKXR	Exeter, N.H.	1540	WLSV	Wellsville, N.Y.	790	WMPY	Monroe, Ga.	1490	WOAY	Oak Hill, W.Va.	850
WKXV	Knoxville, Tenn.	900	WLTC	Gastonville, N.C.	1370	WMPY	Westport, Pa.	1490	WOBL	Oberlin, O.	1570
WKXY	Sarasota, Fla.	830	WLTD	Evansville, IL	1590	WMPY	Aurora, Ill.	1280	WOBS	New Albany, IN	1520
WKYB	Oklahoma City, Okla.	930	WLTH	Gary, Ind.	1370	WMPY	Massena, N.Y.	1360	WOBT	Rhineclander, Wis.	1270
WKYD	Andalusia, S.C.	1000	WLTN	Littleton, N.H.	1400	WMPY	Oakland, Md.	1050	WOC	Daytonport, Iowa	1420
WKYE	Bristol, Tenn.	1550	WLTV	Loves Park, Ill.	1520	WMPY	Morganfield, Ky.	1550	WOCH	North Vernon, Ind.	1460
WKYG	Parkersburg, WV	1230	WLTV	Baton Rouge, La.	1530	WMPY	Decatur, AL	1400	WOCN	Miami, Fla.	1450
WKYK	Burnsville, N.C.	1540	WLTV	Bayamon, P.R.	1600	WMPY	Collerville TN	1590	WOCO	Connetquot, Wis.	1450
WKYO	Caro, Mich.	1360	WLVA	Lynchburg, Va.	690	WMPY	Mount Sterling, Ky.	1150	WODI	Brookland, Va.	1290
WKYR	Burkesville, KY	1570	WLVC	Ft. Kent, ME	1340	WMPY	Cedar Rapids, Iowa	600	WODY	Bassett, Va.	900
WKYX	Paducah, Ky.	570	WLVL	Lockport, NY	1340	WMPY	Central City, Ky.	1380	WOF	Rockwood, Tenn.	580
WKYV	Amherst, VA	1420	WLW	Luverne, Ala.	1080	WMPY	Vancleve, Ky.	730	WOGA	Sylvestre, Va.	1540
WKZA	Kane, Pa.	960	WLW	Cincinnati, Ohio	700	WMPY	Hinton, W. Va.	1380	WOHI	E. Liverpool, Ohio	1490
WKZI	Casey, Ill.	800	WLW	Rockingham, N.C.	1500	WMPY	Manistee, Mich.	1340	WOHN	Herndon, Va.	440
WKZO	Kalamazoo, Mich.	590	WLWO	(V.O.A.)	1180	WMPY	Leitchfield, Ky.	1300	WOIS	Shelby, N.C.	730
WLAB	St. Pauls NC	1060	WLWY	Marathon, Fla.	1180	WMPY	Morristown, Tenn.	1300	WOI	Ames, Iowa	600
WLAC	Nashville, Tenn.	1510	WLWV	Ft. Wayne, Ind.	1450	WMPY	Morristown, N.J.	1250	WOIC	Columbia, S.C.	1320
WLAD	Danbury, Conn.	800	WLWV	Waco, Tex.	1380	WMPY	Murfreesboro, Tenn.	810	WOIO	Canton, O.	1060
WLAF	LaFayette, Tenn.	1560	WLWV	Madison FL	1230	WMPY	Greenwood SC	1090	WOKA	Douglas, Ga.	1310
WLAG	La Grange, Ga.	1240	WLWV	Forest, N.H.	860	WMPY	Muskegon, Mich.	1090	WOKB	Winter Garden, Fla.	1600
WLAM	Lewiston, Maine	1470	WLWV	State College, Pa.	1450	WMPY	Greenville, S.C.	1260	WOKC	Okeechobee, Fla.	1570
WLAN	Lancaster, Pa.	1390	WLWV	Nashville, Tenn.	1300	WMPY	Martinsville, Va.	1400	WOKD	Charleston, S.C.	1340
WLAP	Lexington, Ky.	830	WLWV	Washington, D.C.	630	WMPY	Millville, N.J.	1440	WOKI	Oak Ridge TN	1550
WLAQ	Rome, Ga.	1410	WLWV	Marinette, Wis.	570	WMPY	Millersville, Pa.	1450	WOKJ	Jackson, Miss.	950
WLAR	Athens, Tenn.	1450	WLWV	Mansfield, Ohio	1400	WMPY	Millersville, Pa.	1450	WOKK	Meridian, Miss.	910
WLAS	Jacksonville, N.C.	1410	WLWV	Monroe, N.C.	1090	WMPY	Peoria, Ill.	1470	WOKL	Eau Claire, Wis.	1050
WLAT	Conway, S.C.	1330	WLWV	Chicago, Ill.	870	WMPY	Sidney, Ohio	1080	WOKO	Albany, N.Y.	1460
WLAU	Laurel, Miss.	1430	WLWV	Springfield, Mass.	1450	WMPY	Myrtle Beach, S.C.	1450	WOKS	Columbia, Ga.	1340
WLAW	Grand Rapids, Mich.	1340	WLWV	Grand Rapids, Mich.	1470	WMPY	Myrtle Beach, S.C.	1450	WOKT	Newport News, VA	1450
WLAW	Lawrenceville, Ga.	1360	WLWV	Springfield, Ill.	970	WMPY	Myrtle Beach, S.C.	1450	WOKW	Brookton, Mass.	1410
WLAY	Muscle Shoals AL	1450	WLWV	Macon, Ga.	940	WMPY	Myrtle Beach, S.C.	1450	WOKX	Millwaukee, Wis.	1520
WLBA	Gainesville, GA	1130	WLWV	Ambridge, Pa.	1400	WMPY	Myrtle Beach, S.C.	1450	WOKY	Aiton, Ill.	970
WLBC	Carrollton, Ga.	1100	WLWV	Columbus, Miss.	1400	WMPY	Myrtle Beach, S.C.	1450	WOLA	Washington, D.C.	1450
WLBE	Leesburg, Fla.	790	WLWV	Peoria, Ill.	1470	WMPY	Myrtle Beach, S.C.	1450	WOLD	Marion, Va.	1330
WLBG	Laurens, S.C.	880	WLWV	Springfield, Mass.	1450	WMPY	Myrtle Beach, S.C.	1450	WOLF	Syracuse, N.Y.	1490
WLBH	Mattoon, Ill.	1170	WLWV	Grand Rapids, Mich.	1470	WMPY	Myrtle Beach, S.C.	1450	WOLG	Siemens, S.C.	1230
WLBI	Denham Springs, La.	1220	WLWV	Springfield, Ill.	970	WMPY	Myrtle Beach, S.C.	1450	WOMI	Owensboro, Ky.	1490
WLBJ	Bowling Green, Ky.	1410	WLWV	Macon, Ga.	940	WMPY	Myrtle Beach, S.C.	1450	WOMN	New Haven CT	1220
WLBK	DeKalb, Ill.	1380	WLWV	Ambridge, Pa.	1400	WMPY	Myrtle Beach, S.C.	1450	WOMP	Bellaire, Ohio	1290
WLBL	Auburndale, Wis.	930	WLWV	Columbus, Miss.	1400	WMPY	Myrtle Beach, S.C.	1450	WOMT	Manitowoc, Wis.	1290
WLBN	Lebanon, Ky.	1590	WLWV	Peoria, Ill.	1470	WMPY	Myrtle Beach, S.C.	1450	WONA	Winona, Miss.	1570
WLBR	Morgantown, KY	1570	WLWV	Chicago, Ill.	1110	WMPY	Myrtle Beach, S.C.	1450	WOND	Winona, Minn.	1490
WLBR	Lebanon, Pa.	1270	WLWV	Morehead City, N.C.	740	WMPY	Myrtle Beach, S.C.	1450	WONN	Lakeland, Fla.	1230
WLBS	Centerville, Miss.	1590	WLWV	Miami Beach, Fla.	1340	WMPY	Myrtle Beach, S.C.	1450	WONS	Tallahassee, Fla.	1410
WLBT	Bangor, Me.	620	WLWV	Petoskey, Mich.	1340	WMPY	Myrtle Beach, S.C.	1450	WONW	Defiance, Ohio	1280
WLBU	Buffalo-Hodgenville, KY	1430	WLWV	Auburn, N.Y.	1340	WMPY	Myrtle Beach, S.C.	1450	WOOD	Grand Rapids, Mich.	1300
WLCK	Scottsville, Ky.	1250	WLWV	Uniontown, Pa.	830	WMPY	Myrtle Beach, S.C.	1450	WOOF	Dothan, AL	1000
WLCL	Lancaster, S.C.	1360	WLWV	Shenandoah, Pa.	790	WMPY	Myrtle Beach, S.C.	1450	WOOG	Danville, Ky.	1000
WLCO	Laurensburg, N.C.	1300	WLWV	Church Hill, Tenn.	1260	WMPY	Myrtle Beach, S.C.	1450	WOOW	Greenville, N.C.	1340
WLCP	Eustis, Fla.	1240	WLWV	McLeansboro, Ill.	1060	WMPY	Myrtle Beach, S.C.	1450	WOOZ	Whiteville, NC	1540
WLCS	Baton Rouge, La.	1490	WLWV	Columbia, Tenn.	1280	WMPY	Myrtle Beach, S.C.	1450	WOPA	Oak Park, IL	1490
WLCS	LaCrosse, Wis.	1380	WLWV	Oneida, N.Y.	1600	WMPY	Myrtle Beach, S.C.	1450	WOPB	Bristol, Tenn.	1490
WLCT	St. Petersburg, Fla.	1380	WLWV	Machias, Me.	1400	WMPY	Myrtle Beach, S.C.	1450	WOR	New York, N.Y.	710
WLDM	Westfield MA	1570	WLWV	Mountain City, Tenn.	1390	WMPY	Myrtle Beach, S.C.	1450	WORR	Worcester, Mass.	1310
WLDL	Westfield, Ill.	1180	WLWV	Harvard, Ill.	1600	WMPY	Myrtle Beach, S.C.	1450	WORS	Madison, Ind.	1270
WLDY	Ladysmith, Wis.	1340	WLWV	Hazelhurst, Miss.	1220	WMPY	Myrtle Beach, S.C.	1450	WOSU	Fulton, N.Y.	1330
WLEA	Hornell, N.Y.	1480	WLWV	Falards, P.R.	1480	WMPY	Myrtle Beach, S.C.	1450	WOSD	San Juan, P.R.	820
WLEC	Richmond, Va.	1480	WLWV	WEE FT. WAYNE IN	1380	WMPY	Myrtle Beach, S.C.	1450	WOSC	Columbus, Ohio	1030
WLEC	Sandusky, Ohio	1450	WLWV	Chase City, Va.	980	WMPY	Myrtle Beach, S.C.	1450	WOTT	Watertown NY	1410
WLEJ	Elizajay, GA	1560	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOA	Athens, Ohio	1340
WLEM	Emporium, Pa.	1240	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOW	Omaha, Nebr.	590
WLES	Lawrenceville, Va.	580	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOWO	Ft. Wayne, Ind.	1180
WLET	Tocega, Ga.	1420	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOWW	Naugatuck, Conn.	1380
WLEW	Bad Axe, Mich.	1070	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOXY	Clewiston, Fla.	1590
WLEW	Bay, Mich.	1340	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOYL	Ot City, Pa.	1340
WLFA	Lafayette, Ga.	1590	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOZK	Ozark AL	900
WLFB	Little Falls, N.Y.	1230	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WOZN	Jacksonville, Fla.	970
WLGM	Lynchburg, Va.	1320	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAB	Ponce, P.R.	550
WLGK	Logan, O.	1510	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAD	Paducah, Ky.	1450
WLH	New York, N.Y.	1580	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAG	Ann Arbor, Mich.	1500
WLHJ	Shelbyville, Tenn.	1270	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAL	Charleston, S.C.	730
WLHJ	Newport, Tenn.	1270	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAM	Pottsville, Pa.	1400
WLIL	Lenoir City, Tenn.	730	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAP	Mount Airy, N.C.	740
WLIS	Kenosha, Wis.	1050	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAR	Parkersburg, W.Va.	1450
WLJQ	Mobile AL	1360	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAS	Zephyrhills, Fla.	1400
WLIS	Old Saybrook, Conn.	1420	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAT	Paterson, N.J.	1420
WLIT	Steubenville OH	950	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAX	Thomasville, Ga.	1240
WLIV	Livingston, Tenn.	920	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPAY	Pottsmouth, Ohio	1400
WLIX	St. Albans, N.Y.	540	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPB	Pottsville, Pa.	1370
WLIZ	Lake Worth, Fla.	1380	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPBR	Palm Beach FL	1340
WLKE	Waupun, Wis.	1170	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCC	Clinton, S.C.	1410
WLKK	Erie, PA	1260	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCE	Portsmouth, VA	1400
WLKM	Three Rivers, Mich.	1510	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLKN	Lincoln, Me.	1450	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCL	Portsmouth, VA	1400
WLKR	Norwalk, O.	1510	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCT	Portsmouth, VA	1400
WLKS	W. Liberty, Ky.	1450	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCT	Portsmouth, VA	1400
WLKW	Providence, R.I.	990	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLKX	Lowell, Mass.	1400	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLL	Lynchburg, Va.	930	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLLN	Olney, Ill.	740	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLLS	Hartford, Conn.	1800	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLLY	Wilson, N.C.	1350	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLMD	Laurel, Ind.	900	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLMS	Leominster, Mass.	1000	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLNC	Laurinburg, N.C.	1300	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLND	Jackson, Ohio	1280	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLNA	Peekskill, N.Y.	1420	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLNC	Laurinburg, N.C.	1300	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	1400
WLNG	Sag Harbor, N.Y.	1600	WLWV	WMEK Melbourne FL	920	WMPY	Myrtle Beach, S.C.	1450	WPCH	Portsmouth, VA	14

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WPKE	Pikeville, Ky.	1240	WREV	Reidsville, N.C.	1220	WSGO	Oswego, N.Y.	1440	WTGA	Thomaston, Ga.	1590
WPKO	Waverly, Ohio	1380	WRFK	Athens, Ga.	960	WSGW	Saginaw, Mich.	780	WTGC	Lewisburg, PA	1010
WPKY	Prainceton, Ky.	1580	WRFQ	Worthington, Ohio	610	WSHB	Buffalo, N.C.	1490	WTGF	Pickens, SC	1540
WPLA	Plant City, Fla.	910	WRFS	Alexander City, Ala.	1050	WSHF	Sheffield, AL	1290	WTGH	Myrtle Beach, S.C.	1520
WPLB	Greenville, Mich.	1380	WRGA	Rome, Ga.	1470	WSHN	Fremont, Mich.	1550	WTHB	Augusta, Ga.	1580
WPLK	Rockmart, Ga.	1220	WRGO	Sylva, NC	680	WSHO	New Orleans, La.	800	WTHD	Milford, Del.	930
WPLM	Plymouth, Mass.	1390	WRGS	Rogersville, Tenn.	1370	WSHP	Shippensburg, Pa.	1480	WTHE	Mineola, N.Y.	1520
WPLP	Altoona, Pa.	1308	WRHC	Coral Gables, FL	1550	WSHY	Shelbyville, Ill.	1500	WTHH	Terre Haute, Ind.	1480
WPLW	Carnegie, PA	1590	WRHI	Rock Hill, S.C.	1340	WSIC	Statesville, N.C.	1460	WTHM	Lapeer, Mich.	1530
WPLY	Plymouth, Wis.	1420	WRHL	Rochelle, Ill.	1050	WSIG	Mount Jackson, Va.	790	WTHO	Thomson, Ga.	1530
WPMB	Pandalia, Ill.	1500	WRIB	Providence, R.I.	1220	WSIP	Paintsville, Ky.	1490	WTHP	Thurmont, Md.	1450
WPME	Punxsutawney, Pa.	1540	WRIC	Richlands, Va.	540	WSIR	Winter Haven, Fla.	1490	WTHS	Hartford, Conn.	1080
WPMH	Portsmouth, VA	1010	WRIE	Erie, Pa.	1330	WSIV	Pekin, Ill.	1140	WTHW	Newport News, Va.	1270
WPMP	Pascagoula, Miss.	1580	WRIG	Wausau, Wis.	1400	WSIX	Nashville, Tenn.	980	WTIF	Tifton, Ga.	1340
WPNC	Plymouth, N.C.	1240	WRIM	Panokee, Fla.	1250	WSIZ	Ocella, Ga.	1380	WTIG	Massillon, Ohio	990
WPNF	Breward, N.C.	1240	WRIN	Rensselaer, Ind.	1580	WSJM	St. Joseph, Mich.	1430	WTIK	Durham, N.C.	1310
WPNH	Plymouth, N.H.	1300	WRIS	Roanoke, Va.	1410	WSJG	Magee, Miss.	810	WTIL	Mayaguez, P.R.	1300
WPNQ	Auburn, Me.	1530	WRIV	Riverhead, N.Y.	1390	WSJR	Madawaska, Me.	1200	WTIM	Taylorville, Ill.	1410
WPNX	Phenix City, AL	1460	WRJC	Maunston, Wis.	1270	WSJS	Winston-Salem, N.C.	600	WTIP	Charleston, W.Va.	1240
WPNU	Columbus, GA	1480	WRJW	Plycayne, Miss.	1320	WSJW	Woodruff, S.C.	1510	WTIQ	Manistiquie, Mich.	1430
WPOL	Portland, Me.	1490	WRJZ	Knoxville, TN	620	WSKE	Everett, Pa.	1050	WTIV	Titusville, Pa.	1290
WPOP	Hartford, Conn.	1410	WRKB	Kannapolis, N.C.	1460	WSKI	Montpelier-Barro, Vt.	1240	WTIX	New Orleans, La.	690
WPOR	Portland, Maine	1490	WRKL	Rockland, Maine	1050	WSKT	Knoxville, Tenn.	1580	WTJH	East Point, Ga.	1260
WPOW	New York, N.Y.	1330	WRKM	New City, N.Y.	910	WSKW	Shawegan Me.	1190	WTJS	Jackson, Tenn.	1390
WPPA	Pottsville, Pa.	1360	WRKN	Carthage, Tenn.	1350	WSKY	Ashville, N.C.	1010	WTJM	Hartford, Wis.	1540
WPPC	Penelas, P.R.	1330	WRKO	Brandon, Miss.	910	WSLB	Ogdensburg, N.Y.	1410	WTKO	Ithaca, N.Y.	1470
WPPM	Carrollton, GA	1530	WRKR	Boston, Mass.	680	WSLC	Ronoke VA	610	WTKY	Tompkinsville, Ky.	1370
WPPN	Mayaguez, P.R.	990	WRKV	Racine, WI	1460	WSLG	Gonzales, LA	1090	WTLB	Utica, N.Y.	1310
WPRC	Lincoln, Ill.	1370	WRKW	Rockville, Conn.	800	WSLJ	Jackson, Miss.	930	WTKL	Taylorville, N.C.	1570
WPRE	Prairie Du Chien, Wis.	980	WRKD	Lanett AL	1490	WSLM	Salem, Ind.	1220	WTLN	Apopka, Fla.	1520
WPRN	Butler AL	1240	WRKM	Titusville, FL	1060	WSLW	Akron, Ohio	1350	WTLO	Somerset, Ky.	1480
WPRO	Providence, R.I.	630	WRMG	Red Bay AL	1430	WSLT	Ocean City-Somers Pt., N.J.	1520	WTLS	Tallahassee AL	1300
WPRP	Ponce, P.R.	910	WRML	Portage PA	1470	WSLV	Ardmore, Tenn.	1110	WTMA	Charleston, S.C.	1250
WPRS	Paris, Ill.	1440	WRMN	Elgin, Ill.	1410	WSLW	White Sulphur Springs, WV	1310	WTMB	Tomah WI	1460
WPRB	Presburg, Ky.	960	WRMS	Bearstown, Ill.	790	WSNB	Nashville, Tenn.	550	WTMC	Ocala, Fla.	1290
WPRW	Manassas, Va.	1460	WRMT	Rocky Mount, N.C.	1490	WSMA	Marine City, Mich.	1350	WTNE	Trenton TN	1500
WPRY	Perry, FL	1400	WRNB	New Bern, N.C.	680	WSMB	New Orleans, La.	1350	WTNR	Kingston TN	1410
WPSL	Monroeville, Pa.	1510	WRNC	N. Atlanta, Ga.	490	WSMD	La Plata, Md.	1580	WTMW	Milwaukee, Wis.	620
WPTB	Statesboro, GA	850	WRND	Hackettstown, NJ	1000	WSME	Sanford, Maine	1220	WTMP	Tampa, Fla.	1150
WPTF	Raleigh, N.C.	680	WRNE	Richmond, Va.	910	WSMG	Greenville, Tenn.	1450	WTMR	Camden, N.J.	800
WPTL	Canton, N.C.	920	WRNN	Clare, MI	990	WSMJ	Litchfield, Ill.	1540	WTMT	Louisville, Ky.	620
WPTM	Cookeville, Tenn.	1360	WRNR	Martinsburg, WV	740	WSML	Graham, N.C.	1190	WTNC	Thomasville, N.C.	780
WPTR	Albany, N.Y.	1540	WRNY	Rome, N.Y.	1350	WSMN	Nashua, N.H.	1010	WTND	Orangeburg, S.C.	1500
WPTX	Piqua, Ohio	1570	WROR	Gulport-Biloxi, MS	1390	WSMT	Sparta, Tenn.	1050	WTNJ	Tranton N.J.	1300
WPTY	Lexington Pk., Md.	920	WROB	West Point, MS	1450	WSMX	Winston-Salem NC	1400	WTNK	Meridian MS	1390
WPUB	Camden, S.C.	1130	WROC	Rockford, Ill.	1440	WSMY	Weldon, N.C.	1400	WTNL	Reidsville GA	1390
WPUL	Bartow, Fla.	1130	WROK	Rockford, Ill.	1440	WSNE	Cumming, Ga.	1170	WTNN	Millington, TN	1310
WPUR	Brewster, N.Y.	1510	WROM	Rome, GA	710	WSNG	Torrington, CT	610	WTNQ	Miami, FL	780
WPVA	Colonial Heights, Va.	1200	WRON	Ronoverta, WV	1400	WSNJ	Bridgeton, N.J.	1440	WTOH	Coshocton, Ohio	1580
WPVL	Painesville, Ohio	1460	WRUS	Scottsboro AL	1330	WSNL	Barre, Vt.	1240	WTOT	Tallahassee, Fla.	1570
WPWC	Quantico, VA	1530	WRUV	Roanoke, Va.	1240	WSNT	Sandersville, Ga.	1490	WTOW	Winston-Salem, N.C.	1380
WPXD	Prattville AL	1410	WRWA	Albany, N.Y.	530	WSNW	Seneea, S.C.	1150	WTOC	Savannah, Ga.	1290
WPXE	Starke, Fla.	1490	WRWB	Carroll, Ill.	1460	WSNY	Jacksonville, FL	600	WTOE	Toledo, Ohio	1480
WPXY	Greenville, N.C.	1550	WRWC	Evansville, Ind.	1400	WSOC	Charlotte, N.C.	930	WTOF	Spruce Pine, N.C.	1370
WPYB	Benson, N.C.	1130	WRPL	Charlotte, N.C.	1540	WSOK	Savannah, Ga.	1230	WTON	Staunton, Va.	1240
WQAA	Miami, Fla.	560	WRPM	Poplarville, Miss.	1530	WSOL	Tampa, Fla.	600	WTOG	Bellingham, O.	1500
WQBA	Miami, Fla.	1140	WRRA	Frederickstad, VI	1230	WSOU	Salem, Ohio	860	WTOP	Washington, D.C.	1500
WQBC	Vicksburg, Miss.	1420	WRRD	Minneapolis, MN	1330	WSOQ	Sit. Sta. Marie, Meh.	1230	WTOT	Marianna, Fla.	980
WQBS	San Juan, P.R.	630	WRRF	Rainelle, WV	1330	WSOY	Deatur, Ill.	1340	WTOV	Towson, Md.	1570
WQBX	Blacksburg VA	710	WRRG	Rockford, Ill.	1330	WSPA	Spartanburg, S.C.	950	WTQY	Roanoke Va.	910
WQCK	Warner Robins, GA	1600	WRRS	Clinton, N.C.	880	WSPB	Sarasota, Fla.	1430	WTRP	Paris, Tenn.	710
WQDE	Albany GA	1250	WRSC	State College, Pa.	1390	WSPF	Fort Knox, Ky.	1470	WTQX	Selma AL	1570
WQDI	Homestead, FL	1230	WRSD	Stamford, P.R.	1560	WSPI	Sarasota, Fla.	1430	WTQA	Lakroba, Pa.	1490
WQDY	Calais, Maine	1230	WRSL	Stamford, Ky.	1520	WSPF	Hickory, N.C.	1000	WTRB	Richland, Tenn.	1570
WQIC	Meridian, MS	1450	WRSM	Summit AL	1450	WSPR	Springfield, Mass.	1270	WTRC	Eikhart, Ind.	1340
WQII	San Juan, P.R.	1140	WRSW	Warsaw IN	1480	WSRC	Durham, N.C.	1410	WTRD	Greensburg, Ind.	1330
WQIN	Lykens, PA	1290	WRTA	Altoona, Pa.	1240	WSRF	Fort Lauderdale, FL	1580	WTRI	Brunswick, Md.	1520
WQIO	Canton, OH	1060	WRTB	Rantoul, Ill.	1460	WSRG	Elkton, KY	1070	WTRN	Bradenton, Fla.	1490
WQIQ	Chester, PA	1590	WRUF	Gainesville, Fla.	850	WSRO	Marlboro, MA	1470	WTRR	Tyrone, PA	1340
WQIZ	St. George, S.C.	1430	WRUN	Rumford, Maine	790	WSRQ	Hillsboro, Ohio	800	WTRP	Dyersburg, Tenn.	1300
WQKI	St. Matthews, SC	710	WRUS	Utica, N.Y.	610	WSSA	College Park, Ga.	1570	WTRQ	LaGrange, Ga.	620
WQMA	Marks, Miss.	1520	WRVA	Russellville, Ky.	810	WSSC	Sumter, S.C.	1340	WTRS	Warsaw, N.C.	1560
WQMK	Greenville, S.C.	1440	WRVB	Richmond, Va.	1140	WSSD	Starkville, Miss.	1230	WTRR	Sanford, Fla.	1400
WQPD	Lakeland FL	1430	WRVK	Mt. Vernon, Ky.	1460	WSSS	Starkville, Miss.	1230	WTRS	Ounellon, Fla.	920
WQPM	Princeton, MN	1300	WRWD	Augusta, Ga.	1480	WSSU	Starkville, Miss.	1230	WTRU	Muskegon, Mich.	1600
WQQT	Savannah GA	1450	WRWB	Cleveland, GA	1380	WSSV	Petersburg, Va.	1420	WTRV	Flint, Mich.	1350
WQQW	Watbury CN	1590	WRXC	St. Petersburg Beach, FL	1590	WSTK	Woodstock, Va.	1230	WTRY	Troy, N.Y.	980
WQSA	Sarasota FL	1220	WRXO	Roxboro, N.C.	1430	WSTL	Largo, Fla.	800	WTSB	Brattleboro, Vt.	1430
WQSN	Charleston, S.C.	1450	WRYM	New Britain, Conn.	840	WSTP	Salisbury, N.C.	1490	WTSB	Lumberton, N.C.	1340
WQTO	Two Rivers, Wis.	1590	WRYT	Boston, Mass.	950	WSTQ	Sturgis, Mich.	1230	WTSB	Manchester, N.H.	1270
WQTK	Paterson, NJ	1310	WRYZ	Jupiter, FL	1000	WSTU	Stuart, Fla.	1450	WTSB	Clinton, N.H.	1230
WQTA	Latrobe, Pa.	1570	WSAC	Fort Knox, Ky.	1470	WSTV	Steubenville, Ohio	1340	WTTB	Vero Beach, Fla.	1490
WQUA	Moine, Ill.	1230	WSAF	Sarasota, Fla.	1220	WSTW	Christiansburg, V.I.	970	WTTD	Towanda, Pa.	1550
WQVQ	Highland Park IL	1430	WSAG	Cincinnati, Ohio	1260	WSUB	Groton, N.Y.	980	WTTF	Tiffin, Ohio	1600
WQXO	Munising, MI	1400	WSAJ	Grove City, Pa.	1340	WSUH	Oxford, Miss.	1420	WTTI	Dalton, Ga.	1530
WQWX	Mebane NC	1060	WSAL	Logansport, Ind.	1230	WSUI	Iowa City, Iowa	910	WTTM	Madisonville, Ky.	1310
WQXI	Atlanta, Ga.	790	WSAM	Saginaw, MI	1400	WSUM	Parma OH	1000	WTTN	Trenton, N.J.	1520
WQXL	Columbia, S.C.	1470	WSAN	Allentown, Pa.	1470	WSUN	St. Petersburg, Fla.	820	WTTT	Waterford, Wis.	1580
WQXR	New York, N.Y.	1580	WSAO	Senatobia, Miss.	1580	WSVA	Pataskala, Fla.	800	WTRW	Westminster, Md.	1470
WQXZ	Taylorsville NC	860	WSAR	Fall River, Mass.	1450	WSVB	Harrisonburg, Va.	550	WTTT	Bloomington, Ind.	1370
WQYK	Tampa, Fla.	1130	WSAT	Saltisbury, N.C.	1280	WSVL	Shelbyville, Ind.	1520	WTTT	Amherst, Mass.	1430
WRAA	Luray, Va.	1330	WSAU	Wausau, Wis.	550	WSVM	Valdese, N.C.	1490	WTTX	Appomattox VA	1280
WRAB	Arab AL	1380	WSAY	Rochester, N.Y.	1370	WSVS	Crewe, Va.	800	WTUG	Tusaloosa AL	790
WRAD	Randolf, Va.	1460	WSB	Atlanta, Ga.	750	WSVV	Belle Glade, Fla.	900	WTUP	Upelo, Mo.	1490
WRAG	Carrollton AL	590	WSBA	York, Pa.	910	WSWV	Platteville, Wis.	1500	WTUU	Toledo, OH	1520
WRAJ	San Juan, P.R.	1520	WSBB	New Smyrna Beach, Fla.	1230	WSYB	Rutland, Vt.	1380	WTUX	Wilmington, Del.	1290
WRAL	Anna, Ill.	1440	WSBC	Chicago, Ill.	1240	WSYD	Mt. Airy, N.C.	1300	WTVB	Coldwater, Mich.	1590
WRBK	Williamsport, PA	1490	WSBR	Boca Raton, Fla.	740	WSYL	Sylvania, Ga.	1490	WTVL	Waterville, Maine	1490
WRAM	Monmouth, Ill.	1330	WSBS	Gt. Barrington, Mass.	660	WSYR	Syracuse, N.Y.	670	WTVN	Columbus, Ohio	610
WRAN	Dover, N.J.	1510	WSBT	South Bend, Ind.	960	WTAB	Tabor City, N.C.	600	WTVR	Richmond, Va.	1240
WRAP	Norfolk, Va.	850	WSBP	Chattanooga, Fla.	1580	WTAC	Clinton, Mich				

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WVAP	Burnettown, S.C.	1510	WVBD	Bamberg-Denmark, S.C.	790	WVVA	Wheeling, W.Va.	1170	WYLO	New Orleans, La.	940
WVAR	Richwood, W.Va.	600	WVWB	Jasper AL	1360	WVWB	Jasper AL	1360	WYLO	Jackson, W.Va.	840
WVBS	Burgaw NC	1470	WVWB	Brockport NY	1590	WVWC	Wilkesboro, N.C.	1240	WYLS	York AL	1350
WVCB	Shalotte, N.C.	1410	WVBR	Windber, Pa.	1350	WVWD	Schneckady, NY	1240	WYMB	Manning, S.C.	1410
WVCF	Windermer, Fla.	1480	WVWB	Vineland, N.J.	1380	WVWE	Cleveland, OH	1100	WYMC	Mayfield, KY	1430
WVCG	Coral Gables, Fla.	1080	WVCA	Gary, Ind.	1270	WVWF	Fayette AL	980	WYNA	Raleigh, N.C.	1850
WVCH	Chester, Pa.	740	WVCC	Corry, Pa.	1370	WVWG	Rochester NY	1460	WYND	Sarasota, Fla.	1280
WVCC	McConnellsburg, PA	1530	WVCC	Bremen, Ga.	1440	WVWR	Russellville AL	920	WYNE	Appleton, Wis.	1850
WVFR	Ridgefield, CT	850	WVCH	Clarion, Pa.	1300	WVWL	Manchester, Ky.	1450	WYNG	Goldsboro, N.C.	1300
WVGT	Mt. Dora, Fla.	1580	WVCM	Brazil, Ind.	1130	WVYO	Pineville, W.Va.	970	WYNN	Baton Rouge, La.	1380
WVIC	E. Lansing, Mich.	730	WVCO	Waterbury, Conn.	1240	WXAL	Damopolis, AL	1400	WYNN	Florence, S.C.	540
WVIN	Bath, NY	1380	WVDC	Washington, D.C.	1260	WXCE	Amery, WI	1260	WYNR	Brunswick, Ga.	790
WVIP	Mt. Kisco, N.Y.	1310	WVDE	Hampton VA	1490	WXCF	Clifton Forge VA	1230	WYNS	Leighton, Pa.	1160
WVJP	Caguas, P.R.	1160	WVDF	Hackensack, NJ	970	WXCL	Peoria, Ill.	1350	WYNX	Smyrna, Ga.	1080
WVJS	Owensboro, Ky.	1420	WVDR	Murfreesboro, N.C.	1080	WXCO	Wausau, Wis.	1230	WYOU	Spartanburg, SC	1050
WVJG	Columbus, Ohio	1560	WVEE	Memphis TN	1430	WXCE	Welch, W.V.	1340	WYPR	Tampa, Fla.	1550
WKY	Louisia, Ky.	1270	WVEL	Medford MA	1430	WXEW	Richmond, PR	840	WYPR	Danville, Va.	970
WVLC	Orleans, Mass.	1170	WVSL	Clermont FL	1340	WXGI	Wichmond, VA	950	WYRD	E. Syracuse, NY	1540
WVLD	Valdosta, Ga.	1450	WVWM	Nashville, Tenn.	1560	WXGR	Bay St. Louis MS	1190	WYRE	Annapolis, Md.	810
WVLE	Lexington, Ky.	590	WVGO	Erie, Pa.	1450	WXR	Charleston, W.Va.	1490	WYRU	Red Springs, N.C.	1510
WVLN	Olney, Ill.	740	WVGP	Sanford, N.C.	1030	WXII	South Paris, ME	1250	WYSE	Inverness, Fla.	1560
WVLY	Lebanon, PA	940	WVGS	Tifton, Ga.	1430	WXLI	Dublin, Ga.	1430	WYSH	Clinton, Tenn.	1380
WVLY	Water Valley, Miss.	1320	WVHY	Huntington, W.Va.	1470	WXLL	Decatur, GA	1310	WYSL	Buffalo, N.Y.	1400
WVMG	Cochran, Ga.	1440	WVIL	Wilmington, NC	1490	WXLK	Indianapolis, Ind.	950	WYSR	Franklin, Va.	1260
WVMI	Biloxi, Miss.	870	WVIN	Baltimore, Md.	1400	WXOK	Baton Rouge, La.	1480	WYTH	Madison, Ga.	1250
WVMT	Burlington, Vt.	620	WVIS	Black River Falls, Wis.	1260	WXOX	Bay City, Mich.	1250	WYTI	Rocky Mount, Va.	1570
WVNA	Tuscumbia, AL	1590	WVIT	Canton, N.C.	970	WXOR	Florence AL	1340	WYTL	Oshkosh, WI	1490
WVNH	Salem, NH	1110	WVJL	New Orleans, LA	1450	WXPD	Eatonville, Ga.	1520	WYVE	Wytheville, Va.	1280
WVNJ	Newark, N.J.	920	WVJB	Brookville, Fla.	1450	WXTN	Lexington, Miss.	1000	WYWY	Barbourville, Ky.	950
WVNB	Bel Air, Md.	1520	WVJC	Duluth, Minn.	890	WXRF	Guayama, P.R.	1890	WYXI	Athens, Tenn.	1390
WVOC	Chadburn, N.C.	1890	WVJD	Brookville, Fla.	1450	WXML	Lancaster, N.Y.	1300	WYXX	Kalamazoo, Mich.	1470
WVON	New Orleans, La.	600	WVJE	Ocala, Fla.	1370	WXVA	Charles Town, W.Va.	1550	WYYZ	Jasper GA	1580
WVOH	Hazelhurst, Ga.	920	WVKE	Fair Bluff, N.C.	1480	WXVI	Montgomery, AL	1600	WYZD	Dobson NC	1560
WVOJ	Jacksonville, Fla.	1320	WVKK	Dearborn MI	1310	WXVV	Jeffersonville, Ind.	1450	WZAM	Norfolk VA	1110
WVOK	Birmingham AL	690	WVKG	Battle Creek, MI	1500	WXX	Hattiesburg, Miss.	1310	WZAP	Bristol, Va.	690
WVOL	Berry Hill, Tenn.	1470	WVKY	Westchester, Ky.	1380	WXYG	Stevens Point, WI	1010	WZB	Zion IL	1500
WVOM	Iuka, MS	1390	WVLE	Cornwall, N.Y.	1170	WXXY	Detroit, Mich.	1270	WZBS	Ponce PR	1480
WVON	Chicago, IL	1270	WVNR	Beckley, W.Va.	930	WXYW	Scotland Neck, N.C.	1200	WZEP	DeFuniak Sprgs., Fla.	1460
WVOP	Vidalia, Ga.	970	WVNS	Statesboro, Ga.	1240	WYAZ	Yazoo City, MS	1530	WZIP	Cincinnati, Ohio	1050
WVOS	Liberty, N.Y.	1240	WVNT	Watertown, N.Y.	790	WYBG	Massena, N.Y.	1050	WZIX	York, PA	1350
WVOT	Wilson, N.C.	1420	WVNY	Lynchburg, Va.	1390	WYCB	Washington DC	1340	WZKY	Albermarle, N.C.	1580
WVOV	Huntsville AL	1000	WVOK	Miami, Fla.	1260	WYCL	York, S.C.	980	WZNG	Winter Haven FL	1380
WVOW	Logan, W.Va.	1290	WVON	Woonsocket, R.I.	1240	WYDE	Birmingham AL	850	WZOB	Fort Payne AL	1250
WVOX	New Rochelle, N.Y.	1460	WVOW	Conneaut, Ohio	1380	WYDK	Yadkinville, N.C.	1480	WZOD	Princeton, Ill.	1490
WVOY	Charlevoix, MI	1270	WVPA	Williamsport, Pa.	1340	WYER	Mount Carmel, IL	1360	WZOA	Ashboro, N.C.	710
WVOZ	Carrollins, P.R.	1400	WVPAL	Palatka, Fla.	1260	WYFA	Patchogue, NY	1520	WZST	Leesburg, Fla.	1410
WVPO	Stroudsburg, Pa.	840	WVQM	Madison, Wis.	1350	WYFC	Ypsilanti, MI	1680	WZTQ	Hurricane, WV	1080
WVRC	Spencer, W. Va.	1400	WVRR	New York, N.Y.	1690	WYGE	Corbin, Ky.	1530	WZUQ	Milwaukee WI	1290
WVSA	Vernon AL	1380	WVSC	Glens Falls, N.Y.	1480	WYGR	Wyoming MI	1570	WZYX	Frederick MD	1370
WVSC	Somerset, Pa.	890	WVSD	Loretto, Pa.	1400	WYH	Fernandina Beach FL	1570	WZYX	Cowan, Tenn.	1440
WVSN	Rainsville AL	1490	WVSR	St. Albans, Vt.	1420	WYHJ	Phoenicia MS	1500	WZZA	Tuscumbia, AL	1410
WVUV	Leone, Am. Samoa	1120	WVST	Wooster, Ohio	980	WYIS	Phoenicia MS	1500	WZZD	Philadelphia PA	990
WVVV	Grafton, W.Va.	1260	WVSW	Pittsburgh, Pa.	970	WYJZ	Pittsburgh, PA	860	WZZI	Madisonville, TN	1250
WVVI	Charlotte Amalie, VI	1000	WVTC	Minneapolis, Minn.	1280	WYKR	Wells. River, VT	1490	WZZZ	West Point, GA	1310
WVAB	Lakeland, Fla.	1330									
WVAM	Cadillac, Mich.	1370									
WVBA	St. Petersburg, Fla.	680									
WVBC	Cocoa, Fla.	1510									

U.S. FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
ALABAMA											
Abbeville	WXLE	94.3	Muscle Shoals	WLAY-FM	105.5	Parker	KMDX-FM	99.3	Kenai	KFIN	107.9
Albertville	WQSB	105.1	Oneonta	WKLD	97.7	Phoenia	KQYT	95.5	Lake Village	KQOK	100.1
Alexander City	WRFS-FM	106.1	Opp	WAMI-FM	102.3		KMEO-FM	96.9	Little Rock	KLVA	95.9
Andalusia	WQHQ	98.1	Ozark	WOAB	104.9		KOOL-FM	94.5		KARN-FM	103.7
Anniston	WHMA-FM	100.5		WAYD-FM	103.9		KMCR-FM	91.5		KLRE-FM	90.5
Arab	WCRC-FM	92.7	Phenix City	WEIZ	100.1		KNIX-FM	102.5		KLAZ-FM	98.5
Athens	WJOF	104.3	Prattville	WQIM	95.3		KBBC	98.7		KEZQ	94.1
Atmore	WATM-FM	104.1	Roanoke	WELR-FM	95.3	Prescott	KHEP-FM	101.5	Magnolia	KFMV	107.9
Auburn	WFRI	97.7	Scottsboro	WCNA-FM	98.3		KEZH	98.3	Mammoth Spring	KAMS	95.1
	WEGE	91.1	Selma	WALX	100.9		KNOT-FM	98.3	Mena	KSKB	101.7
Ballinger	KCWB	103.1	Sheffield	WBGT	106.3		KNOT-FM	100.7	Monticello	KHBM-FM	93.5
Bay Minette	WWSM	105.5	Stevenson	WVSV	101.7	Scottsdale	KVWM-FM	93.5	Mountain Home	KTLO-FM	98.3
Birmingham	WAPI-FM	94.5	Sylacauga	WMLS-FM	98.3	Show Low	KTAA-FM	100.9	Nashville	KNAS	105.5
	WBHM	90.3	Talfelega	WHTB	92.7	Sierra Vista	KWAQ	106.3	Newport	KOKR	105.5
	WQEZ	96.5	Thomasville	WJDB-FM	92.7	Tempe	KUPD-FM	97.9	Nome	KICY	100.3
	WDJC	93.7	Troy	WRSS	105.7	Tsailie	KNCC	91.9	Osceola	KOSE-FM	88.1
	WJIC	95.5		WTSU	90.1	Tucson	KUAT-FM	90.5	Paragould	KHIG	104.9
	WENN-FM	107.7	Tuscumbia	WVNA-FM	100.3		KMM	99.5	Pine Bluff	KADL-FM	94.9
	WKXX	106.9	Tuscaloosa	WUAL-FM	91.7		KJYK	94.9		KOTN-FM	102.3
	WJLN-FM	104.7		WUOA	92.7		KCEE-FM	96.1	Pachontas	KAMO-FM	94.3
	WJSR	91.1		WACT-FM	105.5		KNIX-FM	102.5	Rogers	KARS-FM	95.9
	WVSU-FM	91.1		WTUG-FM	92.7		KRQQ	93.7	Salem	KSRF-FM	95.9
	WKNU	106.3	Tuskegee	WVNS	95.9		KWFM	92.9	Searcy	KSER	99.3
Brewton	WAQT	94.1	Union Springs	WQSI	100.9	Willcox	KWCX	98.3	Siloam Springs	KMCK	105.7
Carrllton	WEZZ	97.7	Wrangell	KSTK	101.7	Yuma	KALI	95.1	Springdale	KCIZ	104.9
Clanton	WFMH-FM	101.1	York	WSLY	99.3		KJK	93.1	Texarkana	KADD-FM	107.1
Clintman	WKLN	92.1								KOSY-FM	102.5
	WDRM	102.1								KCAC	103.3
	WBQM	91.7	ALASKA			ARKANSAS			Walnut Ridge	KWRF-FM	105.5
	WRS	96.9	Anchorage	KNIK-FM	105.5	Arkadelphia	KSWH	91.1	Warren	KWYN-FM	92.7
	WVAN	106.3		KKLV	103.9		KDEL-FM	100.9			
Demopolis	WOOF-FM	99.7		KJZZ	102.1	Ashdon	KMLA	103.9	CALIFORNIA		
Dothan	WTYV-FM	95.5		KGOT	101.3	Benton	KAKI	107.1	Alameda	KJAZ	92.7
Enterprise	WIRB-FM	96.9		KSKA	103.1	Berryville	KOOM	107.1	Anaheim	KEZY-FM	95.9
	WKMX	106.7	Fairbanks	KUAC-FM	104.1	Blytheville	KSSC	107.1	Angwin	KANG	89.9
Eufala	WULA-FM	92.7	Juneau	KTQO	104.3	Brinkley	KHLS	96.1	Apple Valley	KAVR-FM	102.3
Fairhope	WMGP	92.1	Kenai	KQOK	101.1	Camden	KBRI-FM	102.3	Aradita	KMAX	107.1
Fayette	WKHK	98.1	Ketchikan	KRBD	105.9	Clarksville	KWEH	97.1	Aradita	KXGO	93.5
Florence	WQLT	107.3	Kodiak	KMXT	100.1	Conway	KLYR-FM	92.7		KHSA	91.5
Gadsden	WQEN	103.7	North Pole	KICY-FM	100.3		KUCA	91.5		KHSU-FM	90.5
	WEXP	91.5	North Pole	KJNM	100.3		KHDX	89.1		KIQO	104.5
	WGEA-FM	93.5	Petersburg	KFSK	100.9	Crossett	KVEE-FM	105.1	Atascadero	KHYL	101.1
	WKXN	95.9	Wrangell	KSTK	101.7	Dardanelle	KAGH-FM	104.9	Auburn	KBYL	101.1
	WTX	96.9				De Queen	KQDN-FM	102.3	Avalon	KBIG-FM	104.3
Guntersville	WERH-FM	92.1	ARIZONA			DeWitt	KDEW-FM	96.7	Bakersfield	KLYD-FM	94.1
Hamilton	WHLR	99.3	Apache Junction	KSTM	107.1	El Dorado	KR	99.3		KBBY	107.9
Huntsville	WLRH	99.3	Batesville	KSMR-FM	106.6	Fayetteville	KEZU	103.1		KGFM	101.5
	WOCG	90.1	Bisbee	KGED	88.1		KKEG	92.1		KHIS-FM	98.5
Jackson	WHOD-FM	104.9	Bullhead City	KBAZ	92.1		KUAF	88.9	Barstow	KKXX	107.9
Jacksonville	WLJS-FM	91.9	Cahe Grande	KRHS	102.3		KNWA	103.9	Berkeley	KZIN-FM	107.9
Jasper	WWWB-FM	102.5		KBFE	105.5	Forrest City	KBFC	93.9		KPFA	94.1
Mobile	WKRG-FM	95.9		KAXR	88.5	FT. Smith	KISR	93.7		KALX	90.7
	WABB	92.9	Douglas	KAPR-FM	95.3		KMA	102.1		KPFB	89.3
	WBX	92.9	Flagstaff	KFLG	92.9		KTCB-FM	99.9	Big Bear Lake	KRE-FM	102.9
	WHIL-FM	91.3		KCTB-FM	93.9		KXXI	100.9	Bishop	KIQO-FM	101.7
	WKSJ-FM	94.9	Glendale	KXTC	92.3	Harrison	KHOZ-FM	102.9	Blythe	KYOR-FM	100.3
	WLP	96.1	Globe	K1KO-FM	100.3	Heber Springs	KAWW-FM	96.7	Borrego Springs	KBSH	88.9
Monroeville	WMFO-FM	98.5	Kingman	KZFF	92.7	Helena	KCRI	103.1	Buena Park	KBPB	90.9
Montgomery	WFMJ	98.9	Lake Havasu City	KBAS	95.9	Hope	KHPA	104.9	Camarillo	KGAB	95.9
	WREZ	103.3	Mesa	KBUZ-FM	104.7	Hot Springs	KSPA				

U.S. FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Claremont	KSPC	88.7									
Coachella	KVIM	93.7									
Compton	KJLH	102.3									
Concord	KVHS	91.1									
Crescent City	KVXJ	90.1									
Cupertino	KKUP	91.5									
Davis	KDVS	94.5									
	KYLD	105.5									
Delano	KDNO	98.5									
Dinuba	KLTA	98.9									
El Cajon	KECR	83.3									
El Centro	KXO-FM	107.5									
	KEGH-FM	90.1									
El Cerrito	KEGG	98.1									
Escondido	KOWN-FM	92.1									
Eureka	KFMI	98.3									
	KPDJ	92.3									
Fallbrook	KAVO	107.1									
Fremont	KFMR	104.9									
	KOHL	89.3									
Fresno	KFRY	101.9									
	KKDJ	105.9									
	KFIG	101.1									
	KFCF	88.1									
	KFYE	93.7									
	KKNU	102.7									
	KMJ-FM	97.9									
	KPHD	95.5									
	KYNO-FM	95.5									
	KVPR-FM	92.5									
Garden Grove	KORJ	94.3									
Gilroy	KFAT	94.3									
Glendale	KUTE	101.9									
Hanford	KKYS	107.5									
	KIOY	102.7									
Healdsburg	KJHP	92.9									
Hemet	KHYE	105.5									
Hollister	KHIP	93.5									
Indio	KCMS	103.1									
Inglewood	KACE	103.9									
Irvine	KUCI	89.9									
Jackson	KNGT	94.3									
La Canada	KUNF	88.9									
Lake Arrowhead	KLAK	103.9									
Lancaster	KOTE	108.3									
Livermore	KKIQ	101.7									
Lodi	KWIN	87.7									
	KCVR Radio										
Lompoc	KLPC-FM	92.7									
	KRQK	100.9									
Long Beach	KBOB	88.1									
	KNOB	97.9									
	KPEN	97.7									
	KSQL	90.1									
Los Altos	KFJC	89.7									
	KPEN	97.7									
Los Angeles	KLOS	95.5									
	KBCA	105.1									
	KFSG	98.3									
	KFAC-FM	92.3									
	KIQQ	100.3									
	KHTZ	97.1									
	KRTH	101.1									
	KJOI	98.7									
	KIIS-FM	102.7									
	KMET	94.7									
	KNX-FM	93.1									
	KOST	103.5									
	KPFK	90.7									
	KPOL-FM	93.9									
	KLVE	107.5									
	KWST	105.9									
	KXLU	88.9									
	KBJG	104.3									
	KHOF	99.5									
Los Banos	KLBS-FM	95.9									
Los Gatos	KRVE	95.3									
Madera	KUUI	92.1									
Manmoth Lakes	KMMT	108.3									
Manteca	KNBS	90.3									
Mariposa	KUBB	96.3									
Marysville	KRFD	99.9									
Mendocino	KMFB-FM	92.7									
Merced	KBDR	89.1									
	KMYT	97.5									
	KSBR	88.5									
Mission Viejo	KBEE-FM	103.3									
Modesto	KBHI-FM	89.9									
	KHOP	104.1									
	KDHS	90.5									
	KPIV-FM	102.3									
	KDOL-FM	97.7									
	KLRB	101.7									
	KWAV										
Monte Rio	KRJB	97.7									
Moraga	KSMC	89.5									
Mountain View	KSFH	90.5									
Mount Shasta	KEDY	95.3									
Nevada City	KFVR	89.5									
Newport Beach	KOCM	103.1									
Northridge	KCSN	88.5									
Oceanside	KJFM	102.1									
Ojai	KOVA	105.5									
Ontario	KNTF	93.5									
Oroville	KFAM	97.7									
Oxnard	KPMJ	104.7									
	KDAR	86.3									
	KOCN	104.9									
	KAZU	90.3									
Palm Desert	KCMS	103.1									
Palm Springs	KDES-FM	104.7									
	KPSH-FM	88.3									
Paradise	KNVR	96.7									
Pasadena	KPCS	89.3									
	KROQ-FM	106.7									
Pebble Beach	KSPB	91.5									
Patterson	KOSO	93.1									
Paso Robles	KPRA	94.3									
Pismo Beach	KPGA	95.3									
Porterville	KIOO	99.7									
Red Bluff	KVIF-FM	95.9									
Redding	KVIF-FM	98.1									
Redondo Beach	KFOX	93.5									
Redlands	KCAL-FM	96.7									
	KUOR-FM	89.1									
Ridgecrest	KLOA-FM	105.5									
	KZIQ-FM	92.7									
Rio Vista	KRVH-FM	90.9									
Riverside	KBBL	99.1									
	KHNY-FM	92.7									
	KDOU	97.5									
	KLLU	89.7									
Roseville	KPIP	95.5									
Sacramento	KCTC	96.1									
	KXPR	88.9									
	KFBI-FM	92.5									
	KEBR	100.5									
	KEWT	105.1									
	KWOD	106.5									
	KROI	96.9									
	KXOA	107.9									
	KZAP	98.5									
	KWOD	106.5									
	KVYN	99.3									
	KDON	102.5									
	KRAY-FM	103.9									
	KWYT-FM	100.7									
	KAUG	90.9									
St. Helena											
Salinas											
	KRSA-FM	100.7									
San Bernardino											
	KOLA	99.9									
	KQLH	95.1									
San Clemente											
	KWVE	107.9									
San Diego											
	KFMB-FM	100.7									
	KFSD-FM	94.1									

U.S. FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Winchester	WVUB	91.1		KHCC-FM	90.1		WR7E	101.7
	WIUC	98.3		KHUT	102.9	Russellville	WAKQ	101.1
IOWA			Independence	KIND-FM	101.7	St. Matthews	WNUJ	103.1
			Iola	KIOL	99.3	Scottsville	WLCK-FM	99.3
Algona	KLGA-FM	92.7	Junction City	KJCK-FM	94.5	Somerset	WSEK	96.7
Ames	KCCQ	107.1	Kansas City	KUDL	98.1		WSCG	90.7
	WOI-FM	90.1		KCNS-FM	94.1	Stanford	WRSE-FM	95.9
	KLFM	104.1	Larned	KANS-FM	98.7	Stanton	WSKY	104.8
	KPGY	91.9	Lawrence	KANU	91.5	Tompkinsville	WTKY-FM	92.1
Ankeny	KANY	106.3		KLWN-FM	105.9	Versailles	WIMM	106.3
Atlantic	KJAN-FM	103.7		KJHK	90.7	Whitesburg	WKKQ	103.9
Boone	KFGO-FM	99.3	Leavenworth	KTRO	98.9	Winchester	WKDJ	100.1
	KWBG-FM	98.3	Liberal	KEZS	105.5			
Burlington	KBUR-FM	107.3		KSLS	99.3	LOUISIANA		
	KGRS	107.3	Lyons	KLOQ	106.1	Abbeville	KROF-FM	104.9
Carroll	KCIM-FM	93.7	Manhattan	KMKF	101.7	Alexandria	KSLL	96.9
Cedar Falls	KHKE	88.1	Marysville	KNDY-FM	103.1		KRRV	100.3
	KHNE	90.9	McPherson	KNEX-FM	96.7		KRID	93.1
Cedar Rapids	KHAK-FM	88.1	Newton	KJRG-FM	92.3	Bastrop	KTRY-FM	94.3
	KCOE-FM	90.9		KOEZ	92.3		KJBS	100.1
	KOJC	89.7	Oberlin	KFNF	101.1	Baton Rouge	WFME	102.5
	KCCF-FM	88.3	Ottawa	KOFQ-FM	95.7		WAFB-FM	98.1
	KWFR	88.9	Parsons	KPPS-FM	91.1		WQXY-FM	100.7
	WMT-FM	96.5	Pittsburg	KMRJ	96.9		WYNK-FM	101.3
	KQOR	102.9	Pratt	KWLS-FM	93.1		WBRH	90.1
	KTOF	104.5	Russell	KRSL-FM	95.9	Bayou Vista	KQKI-FM	95.3
Centerville	KMGO	98.7	Salina	KSKG	99.9	Crowley	KAJN	102.9
Charles City	KCHA-FM	104.9		KYEZ	94.7	DeRidder	KEAZ	101.7
Cherokee	KCHE-FM	102.3	Scott City	KULL	94.5	Donaldsonville	KSMI-FM	104.9
Clarinda	KSWI	106.3	Topeka	KOVV	103.3	Ferriday	KFNV-FM	93.5
Clarion	KRIT	96.9		KSWT	95.7	Franklin	KFRA-FM	95.3
Clear Lake	KZEY	103.1		KBRA	97.9	Golden Meadow	KZZQ	94.3
Clinton	KRAY	96.1	Wichita	KTPK	106.9	Grambling	KGRM	81.3
Council Bluffs	KCLN-FM	97.7		KBRA	97.9	Hammond	WFGI	103.3
Creston	KQKQ-FM	98.5		KDSA	91.1		WFPB-FM	107.1
Davenport	KITR	101.7		KARD-FM	107.3		KSLS	90.9
	KIHK	103.7		KEYN-FM	103.7		WHMD	107.1
	KALA	90.1		KFDI	101.3		KCIL	107.1
	KWNT-FM	106.5		KMUW	89.1	Houma	KHOM	104.1
	KLGD	89.5		KICT	95.1	Jena	KJNA	99.3
Decorah	KDSD-FM	107.1		KSWC	88.3	Jennings	KJEF-FM	92.7
Denison	KDPS	68.1	KENTUCKY			Jonesboro	KTOC-FM	104.9
Des Moines	KDMI	97.3	Albany	WANY-FM	106.3	Lafayette	KRVS	88.3
	KLYF	100.3	Ashland	WAXK	93.7		KTDY	99.9
	KGGG	94.9	Barbourville	WYWF-FM	93.5		KSMB	84.5
	KRNQ	102.5	Beattyville	WLJC	102.3	Lake Charles	KLCL-FM	99.5
	KIDA-FM	93.3	Beaver Dam	WLLS-FM	106.3		KGRA	103.7
	KMGK	93.3	Benton	WBL-FM	102.3		KSNS	96.1
Dubuque	WDBQ-FM	105.3	Bowling Green	WLBJ-FM	96.7	Lake Providence	KBED	92.7
	KFMD	92.9		WDNS	98.3	Leitch	WVWZ	92.3
Emmitsburg	KEMB	98.3		WMMG	103.5	Leesville	KVVP	103.5
Estherville	KILR-FM	95.9		WTCO-FM	103.9	Mansfield	KJVC	92.7
Fairfield	KBCI	95.9	Brandenburg	WTCO-FM	103.9	Many	KWLV	107.1
Forest City	KOW	102.3	Cadiz	WVCM	100.1	Marksville	KAPB-FM	97.7
Ft. Dodge	KKEZ	94.5	Campbellsville	WCAK	92.9	Minden	KASO-FM	95.3
	KTGA	92.1	Carrollton	WNES-FM	101.9	Monroe	KMLB-FM	104.1
	KICB	88.1	Cattlettsburg	WAIN-FM	93.5		KNLU	88.7
Fort Madison	KBKB-FM	101.7	Central City	WCTT-FM	107.1		KREB	101.9
Grinnell	KDIC	88.5	Columbia	WYGF-FM	103.7		KRFB	106.1
Hampton	KQHJN	104.9	Corbin	WCYN-FM	102.3	Morgan City	KMRC-FM	96.7
Humboldt	KHBT	97.7	Cythlana	WMGE	107.1	Natchitoches	KDBH	97.7
Independence	KOUR-FM	95.3	Danville	WMGE	107.1		KNWD	91.7
Iowa City	KSU	91.7	Elizabethtown	WQXE	106.3	New Iberia	KDEA	99.1
	KRNA	90.5	Elkhorn City	WECC	103.1	New Orleans	WBSN-FM	89.1
	KICG	103.7	Erlanger	WHKK	100.9		WBNV-FM	95.7
Iowa Falls	KIFG-FM	95.3	Falmouth	WNKR	95.3		WQUE	96.7
Keokuk	KIMI	95.3	Ft. Campbell	WABD-FM	107.9		WQEB	97.1
Knoxville	KRSL	92.1	Ft. Knox	WSAQ	90.3		WNOE-FM	101.1
	KTAV	92.1	Frankfort	WKYV	104.9		WRNO	99.5
LeMars	KLEM-FM	99.5	Fulton	WFUL-FM	99.7		WTUL	91.5
Maquoketa	KMAQ-FM	95.3	Georgetown	WAXU-FM	103.1		WVNO	89.9
Marshalltown	KFJB-FM	101.1	Glasgow	WGGC	95.1		WVWZ	92.7
Mason City	KLSS	106.1	Grayson	WVOV	105.5		WYLD-FM	98.5
Mount Pleasant	KILJ	105.5		WKCC	91.5		WYL-FM	101.9
Mt. Vernon	KRNL-FM	89.7	Greensburg	WGRK-FM	103.1	Oakdale	KCWR	104.9
Muscataine	KFMH	89.7	Hardinsburg	WHIC-FM	94.3	Oak Grove	KDDI	96.7
Newton	KLVN	95.9	Harrodsburg	WHBN-FM	99.3	Opelousas	KOGM	107.1
Oswego	KOEL-FM	92.3	Hartford	WLLS-FM	106.3	Ruston	KXKZ	107.1
Oskaloosa	KBOE-FM	104.9	Hazard	WSGS	101.5	Shreveport	KRMI-FM	89.1
	KIGC	88.7	Henderson	WKDQ	99.5		KEPT	96.5
Ottumwa	KLEE-FM	97.7		WKCB-FM	107.1		KMBQ	93.7
Pella	KGUI	89.1		WKMO	106.3		KSCL	91.3
	KPLI	103.3		WHOP-FM	98.7		KKOK	94.5
Perry	KDLS-FM	103.9		WKOF	100.3		KCOZ	100.1
Sheldon	KIWA-FM	105.3	Jackson	WJSN-FM	97.7	Slidell	WVSL-FM	105.3
Sioux Center	KDCR	91.3	Jamestown	WJRS	104.9	Springshill	WBYC	92.7
	KVDB-FM	94.3	Jefferson	WJRN-FM	94.8	Sulphur	KLQQ	100.9
	KSEZ	97.9	Leitchfield	WMTL-FM	104.9	Thibodaux	KTIB-FM	106.3
	KBCM	95.3	Lexington	WBKY	91.3		KVFG	91.8
	KMSC	88.3		WLAP-FM	94.5	Ville Platte	KVPI-FM	93.5
	KTFC	103.3		WKQQ	98.1	W. Monroe	KYEA	98.3
	KWIT	90.3		WVLF-FM	92.9	Winfield	KVCF-FM	82.1
Spencer	KICD-FM	107.7		WKDO-FM	105.5	Winnsboro	KCRF-FM	95.9
Storm Lake	KAYL-FM	101.6		WFTO-FM	103.9			
Twin Lakes	KTLB-FM	105.5		WFPK	91.9	MAINE		
Washington	KCIL-FM	95.3		WFPL	89.3	Auburn	WVAV	100.1
Waterloo	KNWS-FM	101.9		WFIA-FM	103.9	Augusta	WFAU-FM	101.3
	KFMW	107.9		WAMZ	97.5	Bangor	WBGW	97.1
	KXEL-FM	105.7		WVNS	97.5		WNSN	89.3
Waukon	KNEI-FM	103.9		WKLD-FM	98.7		WPBC	92.9
	KWAR	89.1		WWEZ	106.9		WMEH	90.9
	KWAY-FM	99.3		WUOL-FM	90.5		WWNO	89.9
Webster City	KQWC-FM	95.9		WUOL	90.5	Bath	WIGY	105.9
West Des Moines	KWDM	88.9		WVFM	94.8		WIOS	91.5
				WVLR	102.3	Bliddeford	WBSF	92.7
				WVFL	92.3		WIDE-FM	94.3
				WVLF-FM	101.7	Brunswick	WBOR	91.1
				WMOR-FM	92.1		WBHS	91.9
				WMKY	90.3	Calais	WCME-FM	98.9
				WWSK-FM	95.3	Caribou	WQDY-FM	82.7
				WVST-FM	105.5	Ellsworth	WFST-FM	97.7
				WVOC-FM	102.3	Farmington	WDEA-FM	95.7
				WVWV	103.7		WUFA-FM	91.9
				WKMS-FM	91.3		WKTJ-FM	99.3
				WBKR	92.5		WUFK	90.3
				WSTO	96.1	Fl. Kent	WABK-FM	104.3
				WVAD-FM	96.9	Gardiner	WMPG	91.1
				WKYC-FM	98.7	Gorham	WRNE	89.1
				WSIP-FM	98.9	Houlton	WHOU-FM	100.1
				WKHR	92.1	Lewiston	WCOF-FM	93.9
				WVTR	106.3		WVJR	91.5
				WDOC-FM	95.5		WBLM	107.5
				WPWV	105.5		WLKN-FM	99.3
				WPKY-FM	91.9		WVTR	97.7
				WVHR	97.7		WVXN	89.5
				WEKU-FM	88.9		WVXO	92.7
							WMBE-FM	91.9
							WMIS-FM	106.3
							WDOS	97.9

U.S. FM STATIONS BY LOCATION

Location	Call	MHz
	WUPE-FM	95.9
	WBRK-FM	101.7
	WTBR-FM	89.5
Plymouth	WPLN-FM	91.1
Rockland	WRFS	91.5
Salem	WNWM	91.7
Sandwich	WSDH	91.7
Sheffield	WBSL	91.7
Southbridge	WESD-FM	100.1
South Hadley	WHMC	90.7
Springfield	WHYN-FM	93.1
	WMAS-FM	91.7
	WAIC	91.9
	WAQY	102.1
	WSCB	88.9
	WTRZ	89.1
	WTCC	90.7
Stoekbridge	WCWL	91.3
Taunton	WRLM	88.3
Tisbury	WVOI-FM	95.9
Walpole	WSRB	91.7
Waltham	WBRS	91.7
	WCRB	102.5
	WZLY	91.5
Wellesley	WKKL	91.1
West Barnstable	WJLF	91.5
Westfield	WRSB	88.3
Weston	WOCB-FM	94.9
W. Yarmouth	WCFM	91.9
Williamstown	WHSR-FM	91.9
Winchester	WAAF	107.3
Worcester	WIGN	90.5
	WPRS	96.1
	WCUM	91.3
	WCHE	89.1

MICHIGAN

Adrian	WLEN	103.9
	WQTE	95.3
	WYAC	88.1
Albion	WUFR	96.7
Allendale	WSRX	88.5
Alma	WFYC-FM	104.9
Alpena	WHSB	107.7
	WATZ-FM	93.5
	WGML-FM	91.7
Ann Arbor	WUAM	89.5
	WUOM	91.7
	WIQB	102.9
	WPAG-FM	107.1
Auburn Heights	WAHS	89.5
Bad Axe	WLEW-FM	92.1
Battle Creek	WKFR-FM	103.3
	WDFF	95.3
Bay City	WUFR	96.7
	WCHW-FM	91.3
	WGER-FM	102.5
	WHFB-FM	99.9
Benton Hrbr.	WAUS	90.9
Berrien Springs	WBRN-FM	100.9
Big Rapids	WUJG	94.7
Birmingham	WUFR	96.7
Eloombard Hills	WCLX	93.5
Boysie City	WWTV-FM	92.9
Cadillac	WITW	98.7
	WIDL	104.9
Caro	WCER-FM	92.7
Charlotte	WCBY-FM	105.1
Cheboygan	WRNN-FM	95.3
Clare	WNW	98.5
Coldwater	WNIC	100.3
Dearborn	WDET-FM	101.9
Detroit	WBFG	98.7
	WJZZ	105.9
	WABX	99.5
	WDEE-FM	83.1
	WDKQ	93.1
	WDTR	90.9
	WGPR	107.5
	WLDM	95.5
	WMUZ	103.5
	WMZK	97.9
	WJFR-FM	96.3
	WQMG	104.3
	WQRS-FM	105.1
	WWJ-FM	97.1
	WWWW	106.7
	WRIF	101.1
	WGAR-FM	92.3
	WDOW-FM	97.9
Dowagiac	WKAG-FM	90.8
E. Lansing	WFMK	99.1
	WVIC-FM	94.9
	WOES	91.3
Elsie	WFNN	104.7
Escanaba	WKZY	97.1
Farmington Hills	WORB	90.3
Flint	WGMZ-FM	107.9
	WCKC	105.5
Fremont	WSHN-FM	100.1
Gaylord	WPOL	95.3
	WWRM	106.7
Gladwin	WGMM	103.1
Grand Haven	WFMG	92.1
Grand Rapids	WFUR-FM	102.9
	WCSG	91.3
	WGRD-FM	97.9
	WJFM	93.7
	WLAV-FM	96.9
	WYON	101.3
Woodstock	WYGR	104.1
	WYGR	104.1
	WZZR-FM	95.7
	WEHB	106.3
	WQON	100.1
Grayling	WPLB-FM	107.3
Greenville	WFPL-FM	93.5
Hancock	WUFR	96.7
Harrison	WBOH-FM	100.1
Hastings	WHPR	88.1
Highland Park	WCSR-FM	92.1
Hillsdale	WJBL-FM	94.5
Holland	WHTC-FM	96.1
	WGGL-FM	91.1
Houghton	WYKS	98.5
Houghton Lake	WHMI-FM	93.5
Howell	WIAA	88.3
Interlochen	WJNR-FM	103.9
Iron Mountain	WIMI	99.7
Ironwood	WUPM	103.9
Ishpeming	WJPD-FM	92.3

Location	Call	MHz
	WMQT	107.1
Jackson	WHFI	94.1
	WJXC-FM	104.9
Kalamazoo	WMUK	102.1
	WIDR	89.1
	WCAA	88.9
	WQLR	106.3
Lansing	WJIM-FM	97.5
	WILS-FM	101.7
	WTL-FM	100.7
	WTHM	107.1
Lapeer	WKLA-FM	108.3
Ludington	WRRK	97.7
Maristee	WNMU-FM	90.1
Marquette	WHWL	95.7
	WUUN	100.1
Marshall	WELL-FM	104.9
Midland	KLNC	99.7
	WRKI	93.5
Monroe	WEJY	85.5
	WVMO	98.3
Mount Clemens	WBRB-FM	102.7
Mt. Pleasant	WCMU-FM	89.5
	WCEN-FM	94.5
	WUWS	107.1
Munising	WQXO-FM	98.3
Muskegon	WMUS-FM	108.9
	WQWQ-FM	104.5
Muskegon Hts.	WKJR-FM	101.7
Newberry	WNBY-FM	93.5
Niles	WNIL-FM	95.3
	WADR	95.3
	WVJI	89.5
Novi	WQPR	90.3
Oak Park	WOCR	89.7
Olivet	WBLD	89.3
Orchard Lake	WOAP-FM	103.9
Owosso	WJML-FM	98.9
Petoskey	WMBM-FM	96.7
	WSDP	99.3
Plymouth	WSAQ	107.1
Port Huron	WSGR-FM	91.3
	WORW	91.9
Royal Oak	WQAK	89.3
Saginaw	WKCC	98.1
	WIOG	106.3
	WVWS	97.1
St. Johns	WRBI-FM	92.1
St. Joseph	WIRX	107.1
Sandusky	WMIC-FM	97.7
Sault Ste. Marie	WSMM	99.5
	WSUE-FM	101.3
Southfield	WSHJ	88.3
Spring Arbor	WSAE	89.3
Surgis	WSTR-FM	98.3
Tawas City	WDBI-FM	101.7
Three Rivers	WLKM-FM	95.9
Traverse City	WLDR	101.9
	WNMC-FM	99.9
	WCCW-FM	92.1
	WTCO-FM	103.6
	WPHS	91.5
Warren	WTSO	88.1
Waterford	WBMI	105.5
West Branch	WLRQ	95.3
Whitehall	WEMU	88.1
Ypsilanti	WZND	99.3
Zeeland		

MINNESOTA

Albert Lea	KCFI	95.3
Alexandria	KXRA-FM	92.7
	KCMT-FM	100.7
Altika	KEZZ	94.3
Austin	K AUS-FM	99.9
	KEDQ	90.7
Anoka	KTNW	107.9
Bemidji	KBSB	94.9
	KBHP	101.1
Benson	KBMO-FM	93.5
Brainerd	KLIZ-FM	95.7
	WJ Y	106.7
Breckenridge	KKWB	104.9
Cambridge	KABG	105.5
Cloquet	WKLF-FM	104.9
Collegeville	KSJR-FM	90.1
	KSJU	89.1
Crookston	KCUM-FM	91.7
Detroit Lakes	KVLR	95.3
Duluth	KUMD-FM	89.1
	WAKX-FM	98.9
	WSDO-FM	92.9
	KAOH-FM	94.9
	WOTH	103.3
	WGR	105.1
E. Grand Forks	KRAD-FM	103.9
Eveleth	WVLA	100.1
Fairmont	KFCM	106.5
Faribault	KDHL-FM	95.9
Fergus Falls	KBFL-FM	103.3
Forest Lake	WLXK-FM	95.9
Fosston	KEHG-FM	107.1
Golden Valley	KQRS-FM	92.5
Grand Rapids	KXGR	96.7
	KAXE-FM	91.7
	WLL	101.3
Hibbing	WMFJ-FM	106.3
Hutchinson	KDUZ-FM	107.1
International Falls	KICC	91.5
Litchfield	KLFD-FM	95.3
Lumino	KQAD-FM	93.7
Mankato	KMSU	99.3
	KEZ-FM	95.3
	KYSM-FM	103.1
Marshall	KMHL-FM	100.5
Minneapolis-St. Paul	KBEM-FM	88.5
	WCCO-FM	102.9
	WCTS-FM	100.7
	KSTL-FM	94.5
	KKEY-FM	102.1
	KTIS-FM	98.5
	WLQL	99.5
	KNOF	95.3
	KTCR-FM	97.1
	WAVL-FM	93.7
	KFAI	90.3
	KSIN	91.1
	KIDA	95.9
Moorhead	KCCM-FM	91.1
	KQWB-FM	98.7
Moorhead	KUMM	89.7
Morris	KMRS-FM	107.5
New Ulm	KNJF-FM	93.1

Location	Call	MHz
Northfield	WCAL-FM	89.3
	KRLX	90.3
Owatonna	KRFM-FM	104.9
	KRPC	90.5
Park Rapids	KPRM-FM	97.5
Pequot Lakes	KTIG	100.1
Pine City	WCMP-FM	92.1
Pipestone	KLOH-FM	98.7
	KRSW-FM	91.7
Preston	KFIL-FM	105.1
Princeton	WQPN-FM	106.3
Red Wing	KCUE-FM	105.5
Redwood Falls	KLGR-FM	97.7
Richfield	WYOO-FM	101.3
	KDWB-FM	101.3
Rochester	KROC-FM	108.9
	KNCV	101.7
	KRKP	89.9
	KNXR	97.5
	KOLM-FM	86.7
	KRCH	101.7
Rushford	KLSE-FM	91.7
St. Cloud	KCLD-FM	104.7
	WVJO	98.1
St. Louis Park	KFMX	104.1
	KDXL	91.7
St. Paul	KJAB	91.7
St. Peter	KRBI-FM	105.5
Sauk Centre	KMSR	94.3
Sauk Rapids	WHMH-FM	101.7
Thief River Falls	KAVS	89.5
	KOSN-FM	99.3
	WIRN	107.1
Virginia	KKWS	105.9
Wadena	KQDE-FM	92.1
Waseca	KQIC	102.5
Willmar	KDOM-FM	94.3
Windom	KAGE-FM	95.3
Winona	KQAL	88.5
	KSMR	90.9
Worthington	KWOA-FM	95.1

MISSISSIPPI

Aberdeen	WHAY	105.5
Amory	WAFM	95.3
Batesville	WBLE-FM	95.9
Bay Springs	WXIY	93.5
Biloxi	WQID	93.7
Booneville	WBIP-FM	99.3
Brandon	WRAE	97.7
Brookhaven	WMRQ	92.1
Canton	WWLM	101.7
Carthage	WWYN	98.1
Centerville	WZZB	104.9
Clarksdale	WAID	106.3
	WJBI	101.7
	WBYI	101.7
Cleveland	WCLD-FM	102.9
	WHJT	93.5
Clinton	WVIM-FM	95.3
Coldwater	WKNZ	101.7
Collins	WFFF-FM	96.7
Columbia	WJWF	103.1
	WLNK	99.9
	WACF-FM	105.9
Corinth	WALP	90.5
	WKCU-FM	94.3
	WADI	95.3
Draw	WDRU	95.3
Ellisville	WBSJ	102.3
Eupora	WEXA	101.7
Forest	WFR	92.7
Greenville	WFTA	101.7
	WBAQ	97.9
	WDMS	100.7
Granada	WQXB	100.1
Gulfport	WGUF-FM	96.7
	WROA-FM	107.1
	WTFM	102.3
Hattiesburg	WHYS-FM	104.9
	WHER	103.7
	WMSU	91.1
Hazelhurst	WMDC-FM	100.9
Holly Springs	WKRA-FM	92.7
Houston	WCPC-FM	93.3
Indianola	WNLA-FM	105.5
Iuka	WTA	94.9
Jackson	WZZQ	102.9
	WVLS	91.5
	WLIN	95.5
	WKXI	94.7
	WJSU	90.7
	WJMI	95.7
	WJFR	96.3
Kosciusko	WKOZ-FM	105.1
Laurel	WNSL-FM	100.3
Leland	WBAD	94.3
Louisville	WLSM-FM	107.1
Magee	WSJC-FM	107.5
McComb	WCCA	94.1
	WLXO	102.7
Meridian	WDAL	101.3
	WALT	97.1
Mississippi State	WMSB	89.1
Miss Point	WKKY	104.9
Natchez-Vidalia	WQNZ	95.1
New Albany	WNAU-FM	103.3
Pointe Coupee	WGO	90.3
Ocean Springs	WOSM	103.1
Oxford	WOOR	97.5
Pascagoula	WPMO	99.1
	WGUD	106.3
	WWSL	102.3
Philadelphia	WJOJ	106.3
Pineyale	WSEL-FM	96.7
Pontotoc	WRPM-FM	107.9
Poplarville	KMNR	89.7
Rola	WNJC	90.1
Senatobia	WSMU-FM	106.3
Starkville	WTMO	88.9
Tishomingo	WELO-FM	98.5
Tupelo	WTYL-FM	97.9
Vicksburg	WQMV	98.7
	WKYV-FM	106.7
Waynesboro	WABO-FM	105.5
Wesson	WWCL	91.1
West Point	WKBB	100.9
Winona	WONA-FM	96.7
Yazoo City	WNS-FM	91.1

Location	Call	MHz
MISSOURI		
Aurora	KELE	100.1
Ballwin	KYMC	89.9
Bethany	KAAJ	95.9
Bolivar	KLTB	106.3
Boonville	KDBX	99.3
Bowling Green	KPCR-FM	100.9
Branson	KIRK-FM	106.3
Buffalo	KBFL	90.3
Butler	KMOE	105.5
Calool	KVVQ-FM	106.3
Canton	KQCA	102.3
Cape Girardeau	KGMO-FM	100.7
	KFMP	102.9
	KRCU	90.9
Carrollton	KAOL-FM	101.1
Carthage	KRGK	104.9
Caruthersville	KCRV	103.1
Chillicothe	KCHI-FM	100.9
Clayton	KFUO-FM	99.1

U.S. FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Rocky Mount	WRSV	92.1									
	WFA	100.7									
Roxboro	WKXP	96.7									
Shalotte	WDZD	93.5									
Salisbury	WRDX	106.5									
	WNDN-FM	91.1									
Sanford	WFLA	93.5									
	WDCC-FM	89.8									
Shefby	WOHS-FM	96.1									
Southern Pines	WIOZ	107.1									
Statesville	WFMX	105.7									
	W000	96.9									
Tabor City	WKSM	104.9									
Tarboro	WKTC	104.3									
Thomasville	WTNO-FM	98.3									
Wallace	WLSE-FM	94.3									
Wanchese	WOBR-FM	95.3									
Warrington	WVSP	90.9									
Washington	WITN-FM	93.3									
Whiteville	WENC-FM	99.1									
Wilkesboro	WSIF	90.1									
Williamston	WSEC	103.7									
Wilmington	WRFX	93.9									
	WAAV	102.7									
	WLOZ	91.3									
	WMFD-FM	100.9									
	WHSL	97.3									
	WWIL	97.3									
Wilson	WXYT	106.1									
Winston-Salem	WRKL	107.5									
	WFDD-FM	88.5									
	WSEZ	93.1									
	WTQR	104.1									

NORTH DAKOTA		
Belcourt	KEYA	88.5
Bismarck	KYYY	92.9
	KQDY	94.5
Devils Lake	KDLR-FM	98.7
Fargo	KFIM-FM	97.9
	WDAY-FM	93.7
	KDSU	91.9
Grand Forks	KYTN	94.7
	KKQD	92.9
	KFIM-FM	89.3
Jamestown	KSJM	93.3
Mandan	KNDR	104.9
Mayville	KMAV-FM	101.7
Minot	KCJB-FM	97.1
	KMOT-FM	93.7

OHIO		
Akron	WAEZ	87.5
	WAPS	89.1
	WKDD	96.5
Alliance	WFAH-FM	92.5
	WRMU	91.1
Archbold	WHFD	95.9
Ashland	WNCO-FM	101.3
	WRDL	89.5
Ashtabula	WRER-FM	97.1
Athens	WQUB-FM	91.3
	WXTQ	105.5
Bainbridge	WKHR	88.3
Batavia	WCNE	88.7
Bellaire	WOMP-FM	100.5
Bellevue	WBHR	88.7
Bellefontaine	WTOD	98.3
Berea	WNRR	92.1
Bowling Green	WBWC	88.3
	WKIQ	93.5
	WBGU	88.1
Bryan	WBNO-FM	100.9
Bueyrus	WBGO-FM	92.7
Cambridge	WILE-FM	96.7
Canal Fulton	WNVR	90.9
Canton	WBBC-FM	94.1
	WHLQ	106.9
	WTOF	98.1
Castalia	WGGN	97.7
Cedarville	WCDR-FM	90.1
Celina	WKIK	94.3
	WCSM-FM	96.7
Centerville	WCWT-FM	89.5
Chillicothe	WBEX-FM	93.3
	WFCB	94.3
	WCLL	94.3
	WLQA	98.5
	WUBE	105.1
	WENB	102.7
	WAKW	93.3
	WGUC	90.9
	WKRQ	101.9
	WSAI-FM	94.1
	WXUO-FM	91.7
	WNSD	90.1
	WWEZ	92.5
	WNRE-FM	107.1
	WAIF	88.3
	WJVS	88.3
Cleveland	WBOE	90.3
	WCRF	103.3
	WCLV	95.5
	WCSB	89.3
	WDOK	102.1
	WQAL	104.1
	WGCL	98.5
	WWMV	105.7
	WMMS	100.7
	WKSX	99.5
	WDMT	107.9
	WRUW-FM	91.1
	WZZP	106.5
	WZAK	93.1
Cleveland Heights	WLTY	92.3
Columbus	WCBE	90.5
	WFAQ	91.5
	WBNS-FM	97.1
	WLVO	96.3
	WCOL-FM	92.3
	WRMZ	99.7
	WOSU-FM	89.7
	WVKK-FM	94.7
	WFIZ	105.5
Conneaut	WTLN-FM	99.3
Coshocton	WHIO-FM	89.1
Dayton	WDPS	90.1
	WGXM	88.1
	WTUE	104.7
	WDAO	107.7
	WSMR	89.3

OKLAHOMA		
Ada	KTEN-FM	93.3
Altus	KWHW-FM	93.5
Ardmore	KKAJ	85.7
	KRRO	92.1
Bartlesville	KYFM	100.1
Bethany	KJIL	104.9
Bristow	KREK	104.9
Broken Arrow	KGOW	92.5
Chickasha	KXXX	105.1
Clinton	KCLI	95.3
	WWSU	88.5
	WDEQ-FM	91.1
	WLSN	91.1
	WDDH	107.1
	WJER-FM	101.7
	WELA	104.3
	WRF	92.9
	WBEA	102.3
	WLVV	94.9
	WMMQ	100.5
	WLCF	88.5
	WFOB-FM	96.7
	WFRO-FM	99.7
	WCVO	104.9
	WQLX	102.3
	WYPC	101.5
	WKKO	91.9
	WURD	97.7
	WGVV	91.7
	WLSW	96.5
	WCHS	103.5
	WHSS	89.5
	WSRW-FM	106.7
	WPOS-FM	102.3
	WITO	107.1
	WLMJ	94.7
	WCVJ	90.9
	WMLB	88.9
	WWSJ	103.1
	WKSU-FM	89.7
	WKNT-FM	100.1
	WKTN	95.3
	WVUD-FM	99.9
	WKET	89.5
	WCXL	88.5
	WHOK-FM	95.7
	WIMA-FM	102.1
	WLSR	104.9
	WGTN	97.7
	WLGK-FM	98.3
	WSYX	106.3
	WZLE	104.9
	WVNO	106.1
	WCLW-FM	105.3
	WCNO	89.3
	WMRT	88.3
	WMOA-FM	94.3
	WMRN-FM	106.9
	WDIF	94.3
	WDBN	94.9
	WFJJ	93.7
	WRSF	89.9
	WMPO-FM	92.1
	WPBF	105.9
	WLYK	107.1
	WLMH	86.1
	WMVO	93.7
	WNOH	103.1
	WCLT-FM	100.3
	WNKO	101.7
	WCMO	90.7
	WJMJ	106.3
	WPNP	95.9
	WLKR-FM	95.3
	WBOC	88.7
	WPNM	106.3
	WUBS	88.5
	W0XY	97.7
	WPTW-FM	95.7
	WWR-FM	94.5
	WPAY-FM	104.1
	WNXT-FM	90.3
	WRJL	89.3
	WSOM-FM	105.1
	WLEC-FM	102.7
	WVFR-FM	105.5
	WBLV-FM	102.9
	WECC	100.7
	WUSO	89.1
	WSTB	91.5
	WRKY	103.5
	WKTL	90.7
	WXEZ	105.5
	WTTF-FM	103.7
	WHEI	106.7
	WSPQ-FM	101.5
	WAMP	88.3
	WGTE-FM	91.3
	WIOT	104.7
	WKLK	90.9
	WLQR	101.5
	WNHE	92.5
	WJCR	88.9
	WUJC	88.7
	WYAN-FM	95.9
	WCOM-FM	101.7
	WUHS	91.7
	WERT-FM	98.9
	WERM	92.1
	WCHO-FM	105.5
	WIBO	100.9
	WKOV-FM	96.7
	WQRP	88.1
	WLHS	89.9
	WOBK	91.5
	WBBY	103.9
	WCSU-FM	88.9
	WKFI-FM	102.3
	WVST-FM	104.5
	WCWS	91.9
	WNCI	97.9
	WDJX	103.9
	WBZI	95.3
	WYSO	91.5
	WQBD	98.9
	WGRD	101.1
	WWSU	88.5
	WHIZ-FM	102.5

OREGON		
Albany	KHPE	107.9
	KRKT-FM	99.9
Ashland	KSOR	90.1
Bend	KICE	100.7
	KXIQ	94.1
Brookings	KURY-FM	95.3
Central Point	KCHJ	91.7
Corvallis	KFLY-FM	101.5
	KBVR	90.1
	KLOO-FM	106.1
	KWRO-FM	102.3
Coquille	KEPO	89.1
Eagle Point	KRVN	91.9
Eugene	KSND	93.1
	KFSN	97.9
	KLCC	90.3
	KPNW-FM	99.1
	KWAX	91.1
	KBMC	94.5
	KZEL-FM	96.1
Grants Pass	KTEC	88.1
Gresham	KMHD	88.5
Klamath Falls	KAGM	88.5
	KJSN	92.5
La Grande	KEOL	91.1
	KLBM-FM	89.3
Lake Oswego	KHEI	106.7
Lebanon	KOMS	103.7
Medford	KSLC	90.3
	KBOY-FM	95.3
	KTMT	93.7
	KQIV	106.7
Milwaukie	KNPT-FM	102.5
Newport	KXBP	96.1
Ontario	KRPM	90.8
Pendleton	KTAS	107.7
Portland	KBOO	90.7
	KINK	101.9
	KJIB	99.5
	KGOB	92.3
	KOAP-FM	91.1
	KYTE-FM	101.1
	KPDQ	93.7
	KPAM-FM	97.1
	KUPL	88.5
	KQFM	100.3
	KRRC	89.3
	KXLF-FM	95.5
Roseburg	KRSB	90.9
Salem	KSKD	105.1
The Dalles	KCIV	104.5

PENNSYLVANIA		
Allentown	WFNZ	100.7
	WMDH	97.7
	WXXK	104.1
Altoona	WVAM-FM	100.1
	WFBG-FM	98.1
Beaver Falls	WVKS	106.7
	WGEV	88.3
Bedford	WAKM	100.9
Bethlehem	WHGM	103.9
	WZZO	95.1
	WLVK-FM	91.3
	WHLN-FM	106.5
	WBYO	107.5
	WFFM	96.9
	WBUT-FM	87.7
	WCSS	91.9
	WKAD	100.1
	WCDL-FM	94.3
	WHYL-FM	102.3
	WDCV-FM	88.3
	WCCS	101.7
	WIKZ	95.1
Charleroi	WESA-FM	98.3
Chester	WDNR	89.5
Clarion	WCUC-FM	91.7
Clearfield	WCPA-FM	93.5
Danville	WPGM-FM	96.7
DuBois	WGED-FM	102.1
	WVFA	101.3
Easton	WEST-FM	96.1
	WJRH	90.5
	WQQQ	99.9
	WESS	90.3
	WIYQ	99.1
Ebensburg	WMSH-FM	106.7
Elizabethtown	WFEM	92.1
Elwood City, Pa.	WFOV	105.1
Ephrata	WLVU	99.9
Erie	WQLN-FM	91.3
	WCKK	103.7
	WERG	89.9
Franklin	WVEN	99.3
Freeland	WACM	103.1
Gettysburg	WGET-FM	107.7
	WZBT	90.3
Girard	WGAE	88.3
Greencastle-Waynesboro	WKSL	94.3
Greensburg	WOKU-FM	107.1
Greenville	WGRP-FM	107.1
	WTGP	88.1
Grove City	WEDA-FM	95.1
	WSAJ-FM	89.5
Harrisburg	WHP-FM	97.3
	WMSP	94.9
	WFSM	99.3
	WTPA-FM	104.1
Havertown	WHHS	89.3
Hazleton	WGLS	105.5
Hershey	WITF-FM	89.5
Hollidaysburg	WHPA	104.9
Huntingdon	WKVR-FM	91.7
Huntington	WRLR	106.3
Indiana	WQMU	103.1
	WIUP-FM	91.3
Jenkintown	WIBF-FM	103.9
Johnstown	WJAC-FM	95.5
	WFFM	92.1
	WJNL-FM	96.5
Laneaster	WFNM	88.7
	WNCE	101.3
	WDAC</	

U.S. FM STATIONS BY LOCATION

Location	Call	MHz
State College-Bellefonte	WTLR	89.9
Stroudsburg	WVPO-FM	93.5
Sunbury	WQXX	94.1
Swarthmore	WSRN	91.5
Tamaqua	WZTA	105.5
Telford	WBMR	89.7
Towanda	WTTG-FM	95.3
Tyone	WGMR	101.1
Union City	WCTL	106.3
Uniontown	WPRQ-FM	99.3
Warminster	WCSB-FM	89.9
Warren	WRRR	92.3
Washington	WJPA-FM	95.3
	WJCR	88.3
Waynesburg	WANB-FM	90.7
	WAYZ-FM	101.5
Wellsboro	WGCR	97.7
West Chester	WLHS-FM	89.9
Wilkes-Barre	WBRE-FM	98.5
	WCLH	90.7
	WRKC	88.5
	WYZZ	92.9
Williamsport	WILQ-FM	105.1
	WJLC	91.7
	WRAK	102.7
	WQXA	105.7
	WVYC	88.1
	WSBA-FM	103.3
York-Hanover	WYCR	98.5

RHODE ISLAND

Kingston	WRIU	88.5
Middletown	WOTB	107.1
Portsmouth	WHD	90.7
Providence	WPJB-FM	105.1
	WBRU	95.5
	WDOM	91.3
	WHYJ	94.1
	WLKW-FM	101.5
	WPRO-FM	92.3
	WRFI	91.5
Smithfield	WERI-FM	103.7
Westerly	WVON-FM	106.3
Woonsocket	WVON-FM	106.3

SOUTH CAROLINA

Aiken	WLOW-FM	95.9
	WAKN-FM	93.3
Anderson	WAIN-FM	101.1
	WANS-FM	107.3
Bamberg	WBBD-FM	92.7
Barnwell	WBAW-FM	101.7
Batesburg	WBLS-FM	92.1
Beaufort	WBEU-FM	98.7
	WERV	94.3
Camden	WPUB-FM	94.3
Cayce	WZLD	96.7
Charleston	WXTC	96.9
	WZEL	103.5
	WSCI	89.3
	WPXI	95.1
	WCMJ	99.5
Clemson	WSBT-FM	89.3
Columbia	WCOS-FM	97.9
	WNOK-FM	104.7
	WMHK	89.7
	WUSC-FM	91.9
	WBCT	90.5
	WUSC-FM	89.5
	WXRY-FM	93.5
	WLTR	91.3
Conway	WLAT-FM	104.1
Darlington	WDAR-FM	105.5
Dillon	WDSC-FM	92.9
Due West	WARP	91.7
Eastley	WELP-FM	95.5
Florence	WSTN	105.3
Gaffney	WAGI-FM	103.3
Georgetown	WGBM	97.7
	WSHG	106.3
Greenville	WEPR	90.1
	WESC-FM	92.5
	WFBC-FM	93.7
	WUUU-FM	94.5
	WCUR-FM	96.7
Hampton	WJWB-FM	103.1
Hilton Head Island	WHHR	106.3
Honea Path	WRIX-FM	103.1
Kingstree	WKTK-FM	100.1
Lake City	WGC-FM	100.1
Lanester	WPAJ-FM	107.1
Laurens	WGXL	100.5
Manning	WTME	92.1
Marion	WATP-FM	94.3
Moncks Corner	WTWF	105.5
Mullins	WCIG	107.1
Myrtle Beach	WMYR-FM	92.1
	WKZQ	101.7
N. Myrtle Beach	WNMB	105.5
N. Charleston	WKTM	102.5
Orangeburg	WPJS	106.7
Pageland	WORG-FM	103.9
Rock Hill	WCPL	102.3
St. George	WVPR	88.9
Seneca	WBFM	95.9
Spartanburg	WSPA-FM	98.9
Summerville	WWFZ	93.5
Sumter	WFIG-FM	101.3
	WMPR	88.1
Surfside Beach-Garden City	WYAK-FM	103.1
Walterboro	WABD-FM	108.9
West Columbia	WSCQ	100.1

SOUTH DAKOTA

Aberdeen	KASD	90.1
	KQAA	94.9
	KSDN-FM	94.1
Brookings	KBRK-FM	94.3
	KESD	88.3
Huron	KIIV-FM	92.1
Madison	KJAN-FM	103.1
Mitchell	KMIT	102.3
Moabridge	KOLY-FM	99.5
Rapid City	KGGG-FM	100.3
	KVSR	97.9
	KKHJ	93.9
	KTEQ	88.1

Sioux Falls	KAUR	89.1
	KELQ-FM	92.5
	KCFB	90.1
	KCHF-FM	93.5
	KNWC-FM	96.5
	KPAT	97.3
	KIOV	104.7
Spearfish	KBHU-FM	89.1
Springfield	KST-FM	88.5
Tyngs	KRCS	93.1
Vermillion	KUSD-FM	89.9
	KVRF	102.3
Watertown	KDLO-FM	96.9
	KWAT-FM	96.1
	KIXX	96.1
Winner	KWYR-FM	93.7
Yankton	KQHU	104.1

TENNESSEE

Bolivar	WVST	96.7
Bristol	WFBG-FM	96.9
Brownsville	WBTG	95.3
Camden	WRJB	98.3
Carthage	WRKM-FM	102.3
Centerville	WTKA	96.7
Chattanooga	WDDQ-FM	95.5
	WDDN	89.7
	WMBW	88.9
	WSKZ	106.5
	WDEF-FM	92.3
Cleveland	WQLS	100.7
Clinton	WYSH-FM	104.9
Collegedale	WSMC	90.7
Columbia	WKOM	101.7
Cookeville	WHUG-FM	98.3
	WPTN-FM	94.3
	WTTU	88.5
Covington	WKBH-FM	93.5
Crossville	WCSV-FM	99.3
Dayton	WNFM	104.9
Diekson	WTNQ	102.3
Dyersburg	WVASL	101.1
Elizabethton	WIDD-FM	99.3
Etowah	WMCC	103.3
Fayetteville	WYTM-FM	105.5
Franklin	WIZO-FM	100.1
Gallatin	WVCP	88.3
	WKKK	104.5
Germantown	WEEF	94.3
Greeneville	WOFM	94.9
Henderson	WFHC-FM	91.5
Hendersonville	WBQY	92.1
Humboldt	WIRJ-FM	102.3
Huntingdon	WPVG	100.9
Jackson	WKIR	104.1
Jamestown	WDEB-FM	100.1
Jefferson City	WSBM	99.3
Johnson City	WQUT	101.5
	WETS	89.3
Kingsport	WKPT-FM	90.5
Knoxville	WBIR-FM	103.5
	WEZK	97.5
	WIVK-FM	107.7
	WKGS	91.1
	WUDT	91.9
Lawrenceburg	WDXE-FM	94.9
Lebanon	WFMO	81.3
	WLCH	88.7
	WFMQ	88.9
	WCDR-FM	107.3
Lenoir City	WLIL-FM	93.5
Lewisburg	WJIM-FM	94.3
Lexington	WDXL-FM	99.3
Livingston	WLIV-FM	89.9
Loveville	WTHJ	94.3
Manchester	WMSR-FM	99.7
Martin	WCMT-FM	101.7
	WUTM	90.3
McKenzie	WHR	90.3
McMinnville	WHNR	103.9
Memphis	WHRK	97.1
	WMC-FM	99.7
	WCBC	91.1
	WEVL	90.3
	WEZI	105.9
	WSWM	91.7
	WFX	89.3
	WMPB-FM	97.1
	WQOX	88.5
	WZXR	102.7
	WQUQ	104.5
	WKNO-FM	91.1
	KWAM-FM	101.1
	WKBF-FM	92.3
	WAZI	95.9
	WMTS-FM	96.3
	WMOT	89.5
	WZEZ	92.9
	WKDF	103.3
	WKQB	103.9
	WKDA-FM	103.3
	WPLN	90.3
	WNAZ-FM	88.9
	WRVU	91.1
	WXEX	92.9
	WSIX-FM	97.9
	WATQ-FM	94.3
Bak Ridge	WOKI-FM	100.3
Oak Ridge-Knoxville	WDNX	89.1
Olive Hill	WBNT-FM	105.5
Paris	WTRP-FM	105.5
Pulaski	WBL	86.3
Red Bank	WSJ	94.3
Savannah	WORM-FM	101.7
Sevierville	WSEV-FM	102.1
Sewanee	WUTS-FM	91.5
Shelbyville	WTCV	93.1
Smithville	WJLE-FM	101.7
Soddy Daisy	WZDQ	102.3
Springfield	WSMT-FM	106.8
Summertown	WDBL-FM	94.3
Sweetwater	WUTZ	88.3
Tullahoma	WDEH-FM	85.3
Union City	WBGY-FM	93.3
Vaverly	WALR-FM	104.9
	WVRY	104.8

TEXAS

Abilene	KEAN-FM	105.1
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Alice	KFMN	99.3
	KRQQ	100.7
	KBIC	102.9
	KWKC-FM	105.1
	KXMS	92.1
Alvin	KACC	91.3
Amarillo	KACV-FM	89.9
	KQIZ-FM	93.1
	KZIP	98.7
	KGNC-FM	97.9
	KWAS	101.9
	KBUY	94.1
	KFRN	98.7
Andrews	KACT-FM	105.5
Arlington	KWJS	94.9
Atlanta	KFPN	99.3
Austin	KHFI-FM	98.3
	KASE	100.7
	KMFA	89.5
	KKKE-FM	95.8
	KLBJ-FM	93.7
	KAZI	88.7
	KUT-FM	90.7
	KMXX	102.3
	KCWB	103.1
	KAYD	97.5
	KQV	94.1
	KALD	95.1
	KVLU	91.3
	KWIC	107.7
	KJDF	104.9
	KCWW	104.9
Belton	KTOM-FM	106.3
Big Spring	KFB	95.9
Borger	KBBB-FM	100.3
Brady	KIXV	95.3
Brenham	KWHI-FM	106.3
Brownsville	KDUV	100.3
	KRIX	99.5
	KLSN	99.3
	KOXE	101.5
Bryan	KORA-FM	98.8
Burnet	KHLB-FM	107.1
Canyon	KWTS	91.1
Center	KLCR	102.3
Clear Lake City	KMJQ	102.1
Cleburne	KFAD	94.9
Coleman	KSTA-FM	107.1
College Station	KAMU-FM	90.3
Columbus	KUL	99.3
Commerce	KETR	88.9
Conroe	KMVC	106.9
Copperas Cove	KOOV	103.1
Corpus Christi	KZFM	98.5
	KIOU	96.5
	KEXX-FM	93.9
	KOIR	90.3
Corsicana	KIV-FM	92.7
Correll	KXIT-FM	95.9
Dalhart	KKDA-FM	104.5
Dallas	KCGD	102.9
	KOBI	89.3
	KNUS	96.7
	KOAX	98.3
	KAFM	94.3
	WFAA-FM	97.9
	WRR-FM	101.1
	KVTT	91.7
	KMEZ	100.3
	KDXT	102.1
	KZG	90.9
	KRSN	99.3
	KERA-FM	90.1
	KCHU	90.9
Del Rio	KDLK-FM	94.3
Denison-Sherman	KDSQ	101.7
	KGCC	89.7
Denton	KDWL-FM	96.1
	KNTU	88.5
DiBoll	KSPL-FM	95.5
Dumas	KMRE	95.3
Eagle Pass	KINL	92.7
Edinburg	KBFM	104.1
	KEL	97.9
El Campo	KULP-FM	99.9
El Paso	KTEP	88.5
	KLAQ	95.5
	KEZB	96.3
	KINT-FM	97.5
	KLOZ	102.1
	KSET-FM	94.7
	KFIM	92.3
	KAMA-FM	93.1
	KPAS	93.9
	KTSM-FM	99.9
	KLMF-FM	103.1
Fabens	KWCB	94.3
Floresville	KPHJ	94.3
Fort Stockton	KSCS	86.3
Ft. Worth	KESS	93.9
	KXOL	99.5
	KTXQ	102.1
	KNOK-FM	107.5
	KTCU-FM	88.7
	KFJZ-FM	97.1
Fredericksburg	KNAF-FM	101.1
Gainesville	KGAF-FM	94.5
Galveston	KUFO	106.5
Gatesville	KMCS	98.3
Georgetown	KGTN-FM	96.7
Graham	KWKQ	107.1
Greenville	KKT	93.5
Harlingen	KET	94.8
	KIWW	96.1
Henderson	KGRI-FM	100.1
Hereford	KPAN-FM	106.3
Highland Park-Dallas	KVIL-FM	103.7
Hillsboro	KHBR-FM	102.5
Houston	KHCB-FM	105.7
	KAM	96.5
	KIKK-FM	95.7
	KILT-FM	100.3
	KFMK	97.9
	KLDF-FM	101.1
	KODA-FM	99.1
	KPFT	90.1
	KLEF	94.5
	KQVE	102.9
	KRBE	104.1
	KTSU	90.9
	KUH	88.7

Huntsville	KRLY	93.7
	KTRU	91.7
	KSAH-FM	101.7
	KSH	106.5
Jacksonville	KOOI	106.5
Jasper	KTXJ-FM	102.3
Keene	KSCU	88.3
Kerrville	KPFM	94.3
Killeen	KIXS-FM	83.3
	KNCT-FM	91.3
Kilgore	KKYP	97.9
Kingsville	KPUP	95.9
	KTAI	91.9
	KMUZ	104.9
La Grange	KGOL	107.3
Lake Jackson	KCOT	104.7
Lamesa	KLTD	99.3
Lampasas	KOTY	92.1
Laredo	KETX-FM	98.5
Livingston	KYKX	105.7
Longview	KSEL-FM	93.7
Lubbock	KTEZ	101.1
	KLBK-FM	94.5
	KLLL-FM	96.3
	KLSD	91.1
	KTXI-FM	91.9
	KDEY	99.3
Lufkin	KLUF-FM	105.1
Marlin	KLMT	96.7
Marshall	KBWC	91.1
	KMHT-FM	103.9
McAllen	KQXX	98.5
	KVMY-FM	96.9
McKinney	KAWB	95.3
Midland	KNFM	92.9
	KWMJ	103.3
	KBAT	93.3
Mineola	KM00-FM	96.7
Mineral Wells	KMWT	95.9
Mount Pleasant	KPKX	102.7
Muleshoe	KMUL-FM	103.1
Nacogdoches	KTBC	92.1
	KBAU	90.1
	KEFA	103.3
	KNBO	95.9
New Boston	KNBT	92.1
New Braunfels	KJKK	99.1
Odessa	KOCP	90.9
	KOCV	91.3
	KOYL-FM	97.9
Orange	KZOM	104.5
	KIOC	106.1
	KRCT	94.3
Ozona	KLIS	84.8
Palestine	KHIM	86.3
Paris	KYND	92.5

U.S. FM STATIONS BY CALL LETTERS

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KAAC	Great Falls MT	98.9	KBFM	Edinburg TX	104.1	KGPR	San Luis Obispo, Cal.	91.3	KETR	Commerco, TX	88.9
KAAN	Bethany MO	95.9	KBGL	Pocatello, Ida.	88.7	KOPX	FM Salt Lake City, UT		KETX	FM Livingston, Tex.	92.1
KAAP	FM Santa Paula, CA	96.7	KBGN	FM Caldwell, Ida.	94.1			98.7	KEWB	Redding, Cal.	104.3
KABG	Cambridge, MN	105.5	KBHI	FM Modesto, CA	89.3	KGRF	FM Winstboro, La.	95.9	KEWC	FM Cheney, Wash.	
KABI	FM Abilene, Kan.	98.3	KBHL	Lincoln, NE	95.9	KCRV	Caruthersville, MO	103.1	KEWT	Sacramento CA	105.1
KABL	FM San Francisco, CA	98.3	KBHP	Bemidji MN	101.1	KCRW	Santa Monica, Calif.	89.9	KEXI	Walla Walla WA	93.3
KACA	Prosser, WA	101.7	KBHU	FM Spearfish, SD	89.1	KCSB	FM Santa Barbara, CA	91.9	KEXX	FM Corpus Christi TX	93.9
KACB	Alvin, TX	91.3	KBIA	Columbia MO	91.3	KCSC	Edmond, Okla.	90.1	KEYA	Beaufort, ND	88.5
KACE	Inglewood, CA	103.9	KBIB	Ailes, TX	102.3	KCSF	Chino, AZ	89.1	KEYN	FM Wichita, Kan.	
KACO	St. Louis, Mo.	107.7	KBID	Wichita Falls, TX	92.9	KCSI	FM Pueblo CO	97.9	KEZC	Truckee, CA	101.7
KACT	FM Andrews TX	105.5	KBIG	Los Angeles, CA	104.3	KCSM	San Mateo CA	91.1	KEZE	FM Spokane, Wash.	105.7
KACV	FM Amarillo, TX	89.9	KBIM	FM Roswell, NM	94.9	KCSN	Northridge CA	85.5	KEZH	Prescott, AZ	98.3
KACW	Paris, TX	99.3	KBII	Edmonds, WA	105.3	KCSS	Turlock, CA	91.9	KEZJ	Twin Falls, ID	95.7
KADI	St. Louis MO	96.3	KBJC	Great Bend, KS	91.9	KCSU	FM Ft. Collins, Colo.	90.9	KEZK	St. Louis MO	102.5
KADL	FM Pine Bluff, AR	94.9	KBKB	FM Fort Madison, IA	101.7	KCSW	San Marcos, TX	103.7	KEZL	San Diego CA	102.9
KADO	Texarkana AR	107.1	KBLE	FM Seattle, WA	93.3	KCTB	FM Flagstaff, AZ	93.9	KEZZ	Little Rock AR	94.1
KADQ	FM Roxburg, ID	94.3	KBLE	FM Red Bluff, CA	95.9	KCTC	FM Sacramento, Cal.	96.3	KEZS	Liberal KS	105.5
KADX	Denver, CO	105.1	KBLL	FM Blackfoot, ID	97.7	KCUE	FM Red Wing, MN	105.5	KEZU	EI Dorado, AR	103.1
KAEZ	Oklahoma City, OK	107.7	KBLL	La Junta, CO	92.1	KGUI	Pella, IA	89.1	KEZZ	Seattle WA	98.9
KAFE	FM Santa Fe, N. M.	97.3	KBLL	FM Helena MT	92.1	KGUM	FM Crookston MN	91.7	KEYZ	FM Anahelm CA	95.9
KAFM	Dallas TX	94.5	KBLS	Santa Barbara CA	99.9	KGRW	Ballinger, TX	103.1	KEZZ	Aitkin MN	94.3
KAGE	FM Winona, MN	95.3	KBLW	FM Logan, UT	92.9	KGRV	Riverton, WY	108.1	KFAZ	Fayetteville, Ark.	
KAGH	FM Crossett AR	104.9	KBMC	Eugene, OR	94.9	KGWB	FM Flagstaff, AZ	93.9	KFAC	FM Los Angeles, Calif.	
KAGM	Klamath Falls OR	96.5	KBMO	FM Benson, Minn.	93.5	KGTC	FM Sacramento, Cal.	96.3	KFAI	FM Minneapolis, MN	92.1
KAGN	Ararat, AZ	97.7	KBMS	Billings, MT	96.5	KGWR	Oakdale, TX	104.9	KFAM	Orville, CA	94.7
KAIM	FM Honolulu, HI	95.5	KBOB	West Covina, CA	93.3	KCWW	Beyville, TX	104.9	KFAT	Gilroy, CA	97.3
KAJN	Crowley LA	102.9	KBOE	FM Oskaloosa, IA	104.9	KCY5	Richland, Wash.		KFBC	FM Cheyenne, Wyo.	97.9
KAKI	Benton AR	107.1	KEOI	FM Boise, ID	97.9	KDAB	Ogden, UT	101.1	KFBD	FM Waynesville, Mo.	
KALA	Davenport, IA	90.1	KBOO	Portland, OR	90.7	KDAR	Oxnard, CA	96.5	KFBK	FM Sacramento, Cal.	95.5
KALF	Ukiah, CA	103.3	KBOP	FM Pleasanton, TX	98.3	KDB	FM Santa Barbara CA	93.7	KFBI	FM Sacramento, Cal.	92.1
KALJ	Yuma AZ	95.1	KBOS	Tulare, CA	94.9	KDBH	FM Natchitoches LA	97.7	KFDI	Wichita KS	88.5
KALL	Salt Lake City UT	99.3	KBOY	FM Medford, OR	95.3	KDBM	FM Dillon MT	96.3	KFFM	FM Yakima WA	107.3
KAYN	Napa, CA	98.3	KBPI	Denver, CO	105.9	KDBX	Boonville, MO	99.3	KFGQ	FM Boone, Ia.	98.3
KALQ	FM Alamosa, CO	93.5	KBPK	Buena Park, Calif.	97.9	KDCR	St. Louis Center, Iowa	91.3	KFIG	Fresno, CA	101.1
KALS	Kalispell, MT	97.1	KBRA	Wichita KS	97.9	KDCV	FM Blair NE	91.1	KFIL	FM Preston, Minn.	103.1
KALU	Langston, OK	90.7	KBRD	Tacoma, WA	103.9	KDDI	Oak Grove, LA	96.7	KFIM	El Paso TX	92.3
KALW	San Francisco, CA	91.7	KBRE	FM Cedar City, UT	94.9	KDEA	New Iberia LA	99.1	KFIN	Jonesboro AR	107.9
KALX	Berkeley, CA	90.7	KBRF	FM Fergus Falls, Minn.	103.3	KDEF	FM Palm Springs, CA	104.7	KFIV	FM Modesto, CA	101.3
KAMA	FM El Paso, TX	93.1				KDFB	FM Arkadelphia, AR	104.9	KFIX	FM Liberty MO	106.5
KAMB	Merced CA	101.5				KDEW	FM Dewitt AR	94.3	KFJB	FM Marshalltown, Ia.	
KAMO	FM Rogers AR	94.3				KDEX	FM Dexter, Mo.	102.3	KFCJ	San Aitos, Cal.	
KAMS	Mammoth Springs AR	95.1				KDEY	Lufkin TX	99.3	KFJL	Oklahoma City OK	98.9
KAMU	FM College Station, TX	90.3				KDFC	San Francisco CA	102.1	KFJM	FM Grand Forks, ND	89.3
KANG	Angwin, CA	89.9				KDFW	FM Walnut Creek, CA	92.1	KFJZ	FM Fort Worth, TX	97.3
KANS	FM Larned, KS	96.7				KDHI	FM Twenty-Nine Palms, Cal.		KFKZ	Greely, CO	96.1
KANT	Lawrence, KS	91.5				KDHL	FM Faribault, MN	95.9	KFLG	Flagstaff, AZ	99.9
KANW	Albuquerque, NM	89.1				KDHS	Modesto, Cal.	90.5	KFLP	San Jose CA	106.5
KANY	Ankeny, IA	106.3				KDIC	Grinnell, IA	88.5	KFLY	FM Corvallis OR	101.5
KAQH	FM Duluth, MN	94.9				KDIE	Lake Arrowhead CA	103.9	KFMA	Jerome, Ida.	92.7
KAOI	Waukuku, HI	85.1				KDIF	FM Pittsburg, PA	92.9	KFMB	FM San Diego, Calif.	
KAOJ	FM Carrollton, MO	101.1				KDKB	FM Mesa, AZ	95.3	KFMC	Fairmont, MN	106.5
KAO5	Olympia WA	89.3				KDKD	FM Clinton, MO	95.3	KFMD	Dubuque, Ia.	
KAPB	FM Newcastle, LA	97.7				KDKL	FM Del Rio, Tex.	96.9	KFMG	Albuquerque, NM	107.9
KAPR	FM Douglas, AZ	95.3				KDLO	FM Watertown, SD	96.9	KFMH	Muscatine, IA	99.7
KAPX	San Clemente, Cal.	107.9				KDLR	FM Devils Lake, ND	98.7	KFMI	Eureka, Cal.	96.3
KARA	Santa Clara CA	105.7				KDLS	FM Perry, Iowa	104.9	KFMK	Houston, Tex. (s)	99.5
KARB	Pice, UT	98.3				KDYU	FM Provo, UT	97.5	KFMN	Tucson AZ	99.5
KARD	FM Wichita, Kans.	107.3				KDLY	Lander, WY	104.9	KFMN	Abilene, Tex.	
KARN	FM Little Rock AR	103.7				KDMI	Des Moines, Iowa		KFMN	Cape Girardeau, Mo.	102.9
KASB	Bellevue, Wash.	89.3				KDNA	Yakima WA	91.9	KFMN	Lincoln, NE	101.9
KASD	Aberdeen S.D.	90.3				KDNB	FM Spokane, WA	93.7	KFMR	Freumont, Cal.	
KASE	Austin, Tex.	100.7				KDNO	Delano, Cal.	98.5	KFMS	Las Vegas, NV	101.9
KASF	Alamosa, Colo.	90.9				KDNT	FM Denton, TX	106.1	KFMU	Oak Creek, CO	103.9
KASK	Las Cruces, NM	103.1				KDOL	FM Mojave, Cal.		KFMV	Magnolia AR	107.9
KASO	FM Minden, LA	95.3				KDOM	FM Windom, MN	94.3	KFMW	Waterloo IA	107.9
KASU	Jonesboro AR	91.9				KDON	Salinas, CA	102.5	KFMX	St. Louis Park, MN	104.1
KATT	Oklahoma City, OK	100.5				KDOT	FM Scottsdale AZ	100.7	KFMZ	El Paso, Ore.	
KATX	Plainville, TX	95.3				KDQF	Des Moines, Iowa		KFMZ	Columbia, Mo.	98.3
KAUB	Auburn, NE	105.5				KDQN	FM De Queen AR	92.7	KFNB	Oklahoma City, Okla.	
KAUD	FM Windsor, CO	99.1				KDRB	Derby, KS	95.9	KFNE	Big Springs, Tex.	
KAUG	Salinas, CA	90.9				KDSA	Wichita, KS	91.1	KFNF	Oberlin, KS	101.1
KAUM	Houston, Tex.	96.5				KDSN	FM Denison, Iowa	107.1	KFNW	FM Ferriday, La.	93.5
KAUR	Sioux Falls SD	88.1				KDSQ	Denison-Sherman, TX	101.7	KFNW	FM Fargo, N.D.	
KAUS	FM Austin, MN	99.9				KDSU	Fargo, N.D.		KFOG	San Francisco, Calif.	
KAVO	Fallbrook, CO	95.9				KDUL	Dallas, TX	102.9	KFOR	FM Lincoln, NE	102.7
KAVR	FM Apple Valley, Cal.	102.3				KDUO	Riverside, Calif.		KFRD	Redondo Beach CA	93.5
						KDUR	Durango, CO	91.9	KFRF	FM Franklin, LA	93.3
KAVS	Thief River Falls, Minn.	89.5				KDUV	Brownsville, TX	100.3	KFRY	Fresno, CA	101.9
						KDUX	FM Ocean Shores WA		KFSB	San Diego CA	94.1
KAWB	McKinney, Tex.	98.5						104.7	KFSG	Los Angeles, Cal.	96.3
KAWL	FM York, NE	104.9				KDUZ	FM Hutchinson, Minn.	107.1	KFSH	Hilo, HI	97.1
KAWW	Heber Springs AR	96.7				KDVS	Davis, Cal.	91.5	KFSK	Petersburg, AK	100.9
KAWY	Casper, WY	94.5				KDVV	Topeka, KS	100.3	KFJN	Las Vegas NV	100.9
KAXE	FM Grand Rapids, MN	91.7				KDWT	FM Stamford, TX	90.1	KFLD	FM Artes, Mo.	
						KDXL	St. Louis Park, MN	91.7	KFXD	FM Nampa, ID	94.9
KAXR	Flagstaff, AZ	88.5				KDXT	Missoula, MT	93.3	KFYE	Fresno, CA	93.7
KAYD	Beaumont, Tex.	97.5				KEAN	FM Abilene TX	105.1	KGAB	Camarillo, CA	95.9
KAYE	FM Tonkawa, OK	90.5				KEAN	FM Abilene TX	105.1	KGAF	FM Gainesville, Tex.	
KAYF	FM Cherokee, IA	100.3				KEAN	FM Abilene TX	105.9	KGB	FM San Diego CA	101.5
KAYL	FM Storm Lake, Iowa	101.5				KEBB	FM Cherokee, IA	101.7	KGBI	FM Omaha, Neb.	100.7
KALO	Beaumont TX	95.1				KEBC	FM Cherokee, IA	101.7	KGBD	Denison, Tex.	89.7
KAZI	Austin, TX	88.7				KEBR	Sacramento, CA	100.5	KGED	Batesville, AR	88.1
KAZU	Pacific Grove, CA	90.3				KECG	El Cerrito, CA	88.1	KGFM	Bakersfield, Cal.	
KAZV	Denver, CO	106.7				KECR	El Cajon, CA	93.3	KGGO	FM Rapid City, SD	100.3
KBAS	Lake Havasu City, AZ	95.9				KECP	Las Vegas, N.M.		KGGO	Des Moines, IA	94.9
						KEDQ	Austin MN	90.7	KGHO	FM Houquam, Wash.	
KBAT	Midland TX	88.3				KEEY	Mount Shasta, CA	95.3	KGIL	FM San Fernando, CA	95.3
KBAY	San Jose, CA	100.3				KEEY	FM Minneapolis-St. Paul	96.5	KGIL	FM Artes, Calif.	
KBZA	Bisbee, AZ	92.1				KEEZ	FM Mankato, MN	99.1	KGLC	FM Miami, OK	100.9
KBBB	FM Berger, TX	104.3				KEHG	FM Fosston, Minn.	107.1	KGML	FM Anacosta MT	97.7
KBBC	Phoenix, AZ	98.7				KEHI	Honolulu, HI	93.9	KGRL	Reno, Nev.	105.7
KBBD	Beaver, UT	90.1				KELA	FM Centralia, Wash.		KGSL	Glennwood Springs, CO	92.7
KBBE	Santa Rosa CA	89.1				KELE	Aurora, MO	100.1	KGTL	Bozeman, Mont.	
KBBG	Waterloo IA	88.1				KELO	FM Sioux Falls, SD	96.5	KGMI	FM Bellingham, Wash.	
KBBL	Riverside, CA	92.3				KELO	FM Dallas, TX	99.5	KGMO	FM Cape Girardeau, Mo.	90.7
KBBA	Ventura, Calif.	95.1				KEML	Hartford, CT	91.7	KGMR	FM Jacksonville AR	100.3
KBBL	Riverside, CA	92.3				KEMB	Emmetsburg IA	93.3	KGNC	FM Amarillo, TX	97.9
KBBA	Los Angeles, CA	105.1				KENE	FM Toppenish, WA	92.7	KGNO	FM Dodge City, Kan.	
KBBC	Sioux City, IA	95.5				KENM	FM Portales NM	95.3	KGNU	Boulder, CO	88.5
KBBO	Boulder, CO	97.3				KENO	FM Las Vegas, NV	92.3	KGOK	Pauls Valley OK	97.7
KBCC	FM Steamboat Springs CO	96.7				KEOH	FM Fort				

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KGTN-FM Georgetown, TX	96.7	KJAB St. Paul MN	91.7	KLUE-FM Longview, Tex.		KNTU Denton, Tex.	88.5				
KGUL-FM Port Lavaca, TX	95.9	KJAK Sinton, TX	92.7	KLUF-FM Lufkin TX	108.1	KNUE Tyler, Tex.	101.5				
KGUS Hot Springs, AR	97.5	KJAM-FM Madison, SD	103.1	KLUM-FM Jefferson City, Mo.	88.9	KNUI-FM New Ulm, Minn.					
KHBR-FM Gunnison, UT	91.7	KJAN-FM Atlantic, IA	102.7			KNUS Dallas, Tex.					
KGWV-FM Belgrade, Mont.		KJAX Stockton, CA	99.3	KLUR Wichita Falls, Tex.		KNWU Great Falls, MT	94.5				
KHAK-FM Cedar Rapids IA		KJAZ Alameda, CA	92.7	KLVA Lake Village, AR	95.9	KNVR Paradise, CA	96.7				
	98.1	KJBS Bastrop, LA	100.1	KLVE Los Angeles, CA	107.3	KNWA Fayetteville AR	103.9				
KHAT Lincoln NE	106.3	KJCK-FM Junction City, KS	94.5	KLVL Pasadena, Tex.		KNWC-FM Sioux Falls, S.D.					
KHAY Ventura CA	100.7	KJEF-FM Jennings, La.		KLVN Newton, IA	95.9	KNWQ-Natchitoches, LA	91.7				
KHBM-FM Monticello AR	93.5	KJEL-FM Lebanon, MO	103.7	KLVR Longview, WA	90.5	KNWS-FM Waterloo, Iowa					
KHBR-FM Hillsboro, Tex.	102.3	KJFZ Poplar Bluff MO	95.5	KLWD Sheridan, WY	96.5	KNX-FM Los Angeles, Calif.					
KHBT-Humboldt, Iowa	97.7	KJFM Oceanside, CA	102.1	KLWN-FM Lawrence, Kan.		KNXR Rochester, Minn.					
KHOB-FM Houston, Tex.	105.7	KJHK Lawrence, KS	90.7	KLXD-FM Bakersfield, Cal.	94.1	KNZA Hiawatha, KS	103.9				
KHGC-FM Hutchinson KS	90.1	KJHP Healdsburg CA	92.9	KLYF Des Moines IA	100.3	KOAP Portland, Ore.	91.5				
KHDX Conway AR	89.1	KJIB Portland, OR	99.5	KLYK Longview, Wash.	105.5	KOAT-FM Denver, CO	103.5				
KHEN-FM Henryetta, Okla.		KJIL Bethany, OK	104.9	KLYN-FM Lynden, Wash.		KOAF-FM Albuquerque, N.M.					
KHEP-FM Phoenix AZ	101.5	KJKJ Logan UT	94.5	KLYO-FM Hamilton, MT	95.9	KOAL Dallas, Tex.	105.9				
KHEX Yuba City, CA	103.9	KJLH Compton, CA	102.3	KLYR-FM Clarksville, AR	92.7	KOB-FM Albuquerque, MN	93.3				
KHFI-FM Austin, Tex.		KJMS Hays, KS	103.3	KLYT Albuquerque, NM	88.3	KOBC Joplin, MO	91.3				
KHFM Albuquerque, N.Mex.		KJMC Richfield UT	93.7	KMAQ Fort Smith AR	99.1	KOCM Newport Beach, Cal.					
KHHS Hillsboro, KS	88.1	KJML Sacramento, CA	100.1	KMAQ-FM Maquoketa, Ia.		KOCN Pacific Grove, Cal.	104.9				
KHIB Durant OK	91.9	KJMO Jefferson City, MO	100.1	KMAV-FM Mayville, ND	101.7	KOCV Odessa, Tex.					
KHIG Paragould AR	104.9	KJNA Jena, LA	99.3	KMAX Sierra Madre, Calif.		KOCY-FM Oklahoma City, Okla.					
KHIM Palestine, TX	98.3	KJNP North Pole AK	100.3	KMBI-FM Spokane, WA	107.9	KODA-FM Houston, Tex.					
KHIP Hollister, CA	93.5	KJOI Los Angeles, Calif.	98.7	KMBL-FM Kansas City, Mo.	93.7	KODM-FM Moorhead, Minn.	97.7				
KHS-FM Hillsboro, CA	96.5	KJOT Boise, ID	103.1	KMBR-FM Kansas City, Mo.		KOEL-FM Oelwein, IA	92.9				
KHKA Hillsboro, Mo.	88.9	KJPT Burnet TX	105.1	KMCK Siloam Springs AR	105.7	KOEF Newton, KS	92.3				
KHLB-FM Burnet TX	107.1	KIPW-FM Waynesville, Mo.		KMCR-FM Phoenix AR	91.5	KOFA Yuma, Ariz.	91.5				
KHLS Blytheville AR	96.1	KJRG-FM Newton, KS	92.3	KMCV Gatesville, TX	98.3	KOFM Oklahoma City, Okla.					
KHNY-FM Riverside, CA	92.7	KJSN Klamath Falls, OR	92.5	KMCS Conroe TX	106.9	KOFO-FM Ottawa, Kan.					
KHOB-FM Hobbs, N.M.		KJUG Tulare, CA	106.7	KMDX-FM Parker AZ	99.3	KOFG-FM Ogalalla NE	92.7				
KHOF Los Angeles, Calif.		KJVC Mansfield, LA	92.7	KMEL San Francisco, CA	106.1	KOGL-FM Orlous, LA	107.1				
KHOK Hoisington KS	100.9	KJVG Mansfield, LA	92.7	KMEI Los Angeles, Cal.	98.9	KOHL Fremont, CA	99.3				
KHOM Houma, LA	104.1	KJKY Tucson AZ	94.9	KMEJ Dallas, TX	100.3	KOHS Orem, UT	90.1				
KHOD Waco TX	99.9	KKAJ Anchorage AK	102.1	KMFA Austin, TX	89.5	KOIL-FM Omaha, Neb.					
KHOF Modesto, CA	104.1	KKAI Kauai HI	95.3	KMFB-FM Mendocino, Cal.		KOIT San Francisco, CA	96.5				
KHOZ-FM Harrison AR	102.9	KKAJ Ardmore OK	95.7	KMFB-FM Mendocino, Cal.		KOJC Cedar Rapids, IA	89.7				
KHPA Hope, AR	104.9	KKBC Carson City, NV	97.3	KMFE Emmett ID	101.7	KOKE-FM Austin, Tex.					
KHPC Brownwood, Tex.		KKBL Monett MO	95.9	KMFL-FM Marshall, Mo.	102.9	KOKF Edmond, Okla.	90.9				
KHPE Albany OR	107.9	KKCA Fulton, Mo.	97.7	KMFM San Antonio, Tex. (s)		KOKR Newport Ark.	105.5				
KHQ-FM Spokane, Wash.		KKDA-FM Dallas, TX	104.5	KMFS-FM Portland, Ore.	106.3	KOLL-FM Gillette, WY	93.5				
KHRU Clayton, Mo.	88.1	KKDJ Fresno, CA	105.9	KMGK Dallas, TX	102.9	KOLM-FM Rochester, Minn.					
KHSC-FM Hattie, Cal.		KKDQ Grand Forks, ND	92.9	KMGK Des Moines, IA	93.3	KOLU Paso, WA	90.1				
KHSS Honolulu, HI	97.5	KKEI Hilo, Hawaii	97.9	KMGO Centerville, IA	98.7	KOLY-FM Moberidge SD	99.5				
KHSU-FM Arcata CA	90.5	KKEG Fayetteville AR	92.1	KMHD Gresham, OR	88.5	KOME San Jose, Calif.	89.5				
KHTC Helena, Mont.	89.5	KKFZ Ft. Dodge, IA	94.5	KMHI Walluku HI	95.1	KOMR St. Louis, MO	88.3				
KHTZ Los Angeles CA	97.1	KKFM Colorado Springs, Colo.		KMHT-FM Marshall TX	103.9	KOMS Lebanon, Mo.	103.7				
KHUB-FM Fremont, NE	105.5	KKHI-FM San Francisco, Cal.		KMIS-FM Portageville, MO	106.3	KOMW-FM Omak WA	92.7				
KHUI Honolulu, HI	93.9	KKHJ Rapid City, SD	93.9	KMIT Mitchell, SD	102.3	KONG-FM Visalia, Calif.					
KHUT Hutchinson, KS	102.9	KKIK Livermore, CA	101.7	KMIX Turlock, CA	98.3	KONI-FM Spanish Fork, Utah					
KHVR Biju, Calif.		KKKX Odessa, TX	98.9	KMJ-FM Fresno, Calif.		KOOI Jacksonville, Tex.	108.5				
KHYE Hemet CA	105.5	KKLP Pipestone, Minn.	103.7	KMJD Castle Rock CO	92.1	KOOK-FM Billings MT	102.9				
KHYL Auburn, CA	101.1	KKLV Anchorage, AK	98.9	KMKJ Lake Oswego, OR	106.7	KOOL-FM Phoenix AZ	94.5				
KHYS Port Arthur TX	98.5	KKMA Pryor, OK	104.5	KMKL Clear Lake City, TX	102.1	KOOM Benton, Ark.	107.1				
KIAG Sterling CO	96.7	KKND Jamestown, N.D.	95.5	KMLA Ashdown AR	103.9	KOOD-FM Omaha NE	104.5				
KIAM-FM Wenatchee, WA	104.9	KKNG Oklahoma City OK	92.5	KMMK Little Rock, Ark.		KOOV Copperas Cove, TX	103.1				
KICB Ogalalla, NE	93.5	KKOS Carlsbad, CA	95.9	KMMM-FM Muskogee, Okla.		KOPE Mesilla Park, NM	104.9				
KICD Idaho Falls, ID	91.5	KKQO Clovis, NM	99.1	KMMD Mammoth Lakes CA	106.3	KOPN Columbia, MO	89.5				
KIBS-FM Bishop, Cal.		KKSS St. Louis, MO	107.7	KMNR Rolla, MO	89.7	KOPR Butte MT	94.1				
KICB Ft. Dodge, IA	88.1	KKTX Kilgore, TX	95.9	KMND Tulsa, Okla.		KOPR-FM Bryant, TX	98.3				
KICC International Falls, MN	91.5	KKXX Bakersfield, CA	107.9	KMND Butte, MT	105.5	KORJ Garden Grove, CA	94.7				
		KKWB Breckenridge, Minn.	104.9	KMND Tulsa, Okla.		KORK-FM Las Vegas, NV	107.1				
		KKWS Wadena, Minn.		KMOO-FM Mineola, TX	96.7	KORM Orem, UT					
KICD-FM Spencer, Ia.	100.7	KKYS Hanford, CA	107.5	KMOR Scottsbluff NE	92.9	KORQ Abilene, TX	100.7				
KICE Bend OR	100.7	KKLA El Paso TX	95.5	KMOS-FM St. Louis, Mo.		KOSE-FM Osceola AR	98.1				
KICN Iowa City, IA	98.9	KKAW Lawton, Okla.		KMPS-FM Seattle WA	94.1	KOSI-FM Denver, Colo.					
KICR Cedar Rapids, IA	102.9	KKAY-FM Tacoma, Wash.		KMPX-FM San Francisco CA	98.9	KOSN-FM Thief River Falls, MN					
KICS-FM Hastings, Neb.	95.1	KLAW-FM Little Rock AR	98.5	KMRC-FM Morgan City, LA	96.7		93.1				
KICT Wichita KS	95.1	KLBJ-FM Austin TX	93.7	KMRD Dum, TX	96.9	KOSO Patterson, Cal.					
KICV-FM Nome AK	100.3	KLBK-FM Lubbock, Tex.	89.3	KMRJ Pittsburg, KS	96.9	KOST Los Angeles, Cal.					
KID-FM Idaho Falls, Ida.	89.9	KLBS-FM Lake Grand, OR	89.3	KMRS-FM Morris, MN	107.5	KOSU-FM Stillwater, Okla.					
KIEA-Etawah, MN	89.7	KLCC Eugene, Ore.	95.9	KMSA Grand Junction, CO	91.3	KOSY-FM Texarkana, Ark.	102.5				
KIEA Ethete, WY	100.7	KLCD Decorah, IA	89.5	KMSC Sioux City IA	88.3	KOTE Lancaster, Calif.	108.3				
KIEE Harrisonville, MO		KLCL-FM Lake Charles, LA	99.5	KMSM-FM Butte MT	91.9	KOTH-FM Pine Bluff AR	92.3				
KIFG-FM Iowa Falls, Ia.	98.1	KLCM-FM Lewiston, MT	95.9	KMSR-Sauk Centre, MN	94.3	KOTO Tallurkott, CO	91.7				
KIFM San Diego, CA	88.7	KLCO-FM Poteau, Okla.	102.3	KMSU Mankato, Minn.	90.5	KOUL Sinton-Corpus Christi TX	103.3				
KIGC Oskaloosa, IA	103.7	KLCR Center TX	92.7	KMTN Jackson, WY	96.9	KOUR-FM Independence IA	95.3				
KIIQ-FM Manitow Springs, CO	102.7	KLEA-FM El Paso TX	92.7	KMTP Mt. Pleasant, UT	91.1	KOVA Ojal CA					
		KLEE-FM Ottumwa, N. M.	97.7	KMTW Twin Falls, ID	96.5	KOVF-FM Kearney, Neb.	91.5				
KIIS-FM Los Angeles, CA	102.7	KLEF Houston, Tex.		KMUL-FM Muleshoe, TX	103.1	KOVQ Gallup NM	94.5				
KIJV-FM Huron, SD	92.1	KLEF San Jose, CA	89.3	KMUW Wichita, KS	89.1	KOWN-FM Escondido, CA	92.1				
KIKK-FM Houston, Tex.	95.7	KLEN-FM Cheyenne, WY	106.3	KMUZ LA Grange TX	104.9	KOXE Brownwood, TX	101.5				
KIKM-FM Sherman, TX	96.7	KLFD-FM Litchfield, Minn.	95.3	KMXX Kodiak, AK	100.1	KOYE Laredo, TX	92.7				
KIKO-FM Globe AZ	100.3	KLGA-FM Algona, Iowa	92.7	KMYO-FM Little Rock AR	95.7	KOXI Columbus NE	101.1				
KIKT Grenville, NY	93.5	KLGR-FM Redwood Falls, MN	97.7	KMYR Albuquerque, NM	99.5	KOYL-FM Odessa, TX	97.9				
KILA Henderson, Nev.	95.5	KLGS Los Gatos, Cal.	102.3	KMYT Merced, CA	97.5	KOYY-FM El Dorado KS	98.3				
KIOW Forest City IA	102.3	KLGT Breckenridge, CO	89.1	KNAF-FM Fredericksburg, Tex.	101.1	KOZE-FM Lewiston, Idaho					
KIQU Corpus Christi, Tex.	104.7	KLHS Lewiston ID	91.1			KOZP-FM San Diego, CA	103.7				
KIOU Sioux Falls, SD	104.7	KLIN-FM Lincoln, Neb.	107.3	KNAS Nashville, AR	105.5	KPAK El Paso, Tex.					
KIOY Hanford, CA	103.7	KLIR-FM Denver, Colo.		KNPQ Tacoma, WA	97.3	KPAM-FM Portland, Ore.	97.1				
KIQZ Laramie, WY	102.9	KLIZ-FM Brainerd, Minn.	95.7	KNBS Manteca, CA	90.3	KPAN-FM Heretford, Tex.	106.3				
KIPG Albuquerque, NM	91.5	KLJC Kansas City, Mo.	88.5	KNBT New Braunfels, Tex.	92.1	KPAR-FM Albuquerque, NM	100.3				
KIQX Atascadero CA	104.5	KLLL-FM Lubbock, Tex.	98.3	KNBU Baldwin, Kan.	100.1	KPAS El Paso, TX	93.9				
KIQQ Los Angeles CA	100.3	KLLS Okmulgee, OK	94.3	KNBY-FM Newport AR	105.5	KPAT Sioux Fall SD	97.3				
KIRK-FM Branson, MO	106.3	KLME Battle Mountain, NV	88.1	KNCC Tsalle, AZ	91.9	KPAY-FM Chico CA	95.1				
KISM Bellingham, WA	92.9	KLMF-FM Fabens TX	103.5	KNCN Sinton, TX	101.3	KPBM-FM Poplar Bluff MO	94.5				
KISR Fort Smith AR	93.7	KLMO-FM Longmont, CA	103.3	KNCT-FM Killen, TX	91.3	KPBS-FM San Diego, CA	89.5				
KISS San Antonio, TX	99.5	KLMR-FM Lamar, CO	93.3	KNCV Rochester, MN	101.7	KPBX-FM Spokane WA	91.1				
KISW Seattle, Wash.	99.9	KLMT Marlin, TX	96.7	KNCY-FM Nebraska City, NE		KPCG Joplin, MO	102.5				
KISX-FM Yakima, WA	94.5	KLOA-FM Ridgecrest, Calif.	98.7			KPCR-FM Bowling Green, MO					
KITE-FM San Antonio, TX	104.5	KLOH-FM Pipestone, MN	98.7	KNDP Mandan ND	104.9	KPCS Pasadena, Cal.	100.9				
KITR Creston, IA	101.7	KLOI-FM Houston TX	101.1	KNDR Jackson CA	103.1	KPDI Eureka, CA	89.3				
KITT San Diego, CA	105.3	KLOM-FM Long Beach, Calif.	92.7	KNEB-FM Marysville KS	103.1	KPDQ-FM Portland, Ore.	92.7				
KITY San Antonio, TX	92.9	KLON Long Beach, Calif.		KNEF-FM Scottsbluff, Neb.	94.1	KPEC-FM Tacoma WA	90.9				
KIWA-FM Sheldon, IA	105.5	KLOO-FM Corvallis, OR	106.1	KNEF-FM Waukon, Iowa	103.9	KPEN Los Altos, Cal.	97.7				
KIXW Harlingen, TX	96.1	KLOQ Lyons, KS	106.1	KNEJ Dallas, Tex.		KPFA Berkeley, Cal.	94.1				
KIXX-FM Seattle, Wash.	91.5	KLOR-FM Ponca City, OK	95.3	KNEK Reno, Nev.		KPFB Berkeley, Calif.					
KIXS-FM Killeen TX	93.3	KLOS Los Angeles, Calif.	99.3	KNEW-FM Scottsbluff, Nebr.		KPKL Los Angeles, Calif.					
KIXV Brady TX	95.3	KLOZ El Paso TX	102.1	KNEX-FM McPherson KS	96.7	KPKM Kerrville, TX					
KIXX Watertown, SD	96.1	KLPC-FM Lompoc, CA	92.7	KNFB Nowata, Okla.		KPFT Houston TX	90.1				
KIXY-FM San Angelo TX	94.7	KLPH St. Louis MO	89.1	KNFM Midland, Tex.		KPGA Pismo Beach, CA	95.3				
		KLPJ Ruston LA	89.9	KNFO Waco TX	95.5	KPGR Pleasant Grove, UT	88.1				
		KLPM-FM Union, Mo.	101.7	KNHG Seattle, Wash.	89.5	KPGY Ames, Iowa	91.9				
		KLPW-FM Sulphur, LA	100.9	KNHS Torrance, Cal.		KPIC Albuquerque, NM	91.5				
		KLRB Carmel-Monterey CA	101.7	KNID Enid, OK	96.9	KPRI Duluth, MN	96.9				
		KLRE-FM Little Rock AR	98.5	KNIK-FM Anchorage AK	105.5	KPRJ Ft. Stockton, TX	94.3				
		KLRF Emporia, KS	104.9	KNIM-FM Maryville, MO	95.3	KPLE Temple, TX	104.9				
		KLRS-FM Mountain Grove, MO	97.7	KNIS Carson City, Nev.	94.7	KPLN-FM Plains, TX	90.7				
		KLSD Lubbock TX	91.1	KNJH Phenix, AZ	102.5	KPLR-FM St. Louis, Mo.	103.3				
		KLSE-FM Rushford, MN	91.7	KNJO Thousand Oaks, Calif.		KPLU Tacoma, WA	88.5				
		KLSP Brownwood TX	99.3	KNLU Monroe La.	88.7	KPLV Pueblo CO	98.9				
		KLSS Okmulgee, OK	94.3	KNOB Long Beach, Cal.	97.9	KPNW-FM Eugene, Ore.	99.1				
		KLTB Bolivar, MO	99.3	KNPF-FM Monroe, LA	101.9	KPOC-FM Pocatontos AR	103.9				
		KLTD Lampasas, TX	97.1	KNQF St. Paul, MN	95.3	KPOL-FM Los Angeles, Calif.					
		KLUB-FM Salt Lake City UT		KNQK FM Ft. Worth, TX	107.5	KPOD San Francisco CA	89.5				
				KNOS Marshall, Mo.	99.7	KPOP-FM Roseville, Cal.	93.5				
				KNOT-FM Prescott, AZ	98.3	KPQL Lakewood, CO	107.5				
				KNPR Las Vegas NV	89.5	KPPS-FM Parsons, KS	91.1				
				KNPT-FM Newport, OR	102.5	KPPQ-FM Wenatchee, Wash.					
				KNTO Ontario CA	93.5	KPQV Havre, MT	92.5				
				KNTP Whiteita Falls TX	103.3	KPRA Paso Robles, Calif.	94.3				

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KPRI	San Diego, CA	106.5	KRSL	FM Russell, KS		KSXT	Walla Walla, WA	97.1	KUTE	Glendale, Cal.	101.9
KPRM	FM Park Rapids, MN	97.5	KRSM	Dallas, TX	89.3	KSYM	FM San Antonio, Tex.	90.3	KUUL	Madera, CA	91.9
KPRS	Kansas City, MO	103.3	KRSN	FM Los Alamos, N. Mex.		KSYN	Joplin, Mo.		KUZZ	Nampa, ID	96.9
KPSH	FM Palm Springs, CA	88.3	KRSP	FM Salt Lake City, Utah	103.5	KTAK	Riverton, WY	93.5	KUVR	FM Holdrege, Neb.	97.7
KPSU	Los Alamos, Cal.	91.8	KRST	Albuquerque, N. M.		KTAL	FM Topeka, Kan.	98.1	KUWR	Laramie, WY	91.9
KPSU	Goodwill, OK	91.7	KRSW	FM Pipestone, MN	91.7	KTAP	Crete, NB	103.9	KVCL	FM Winfield, La.	
KPTL	Carson City NE	97.3	KRSY	FM Roswell, NM	97.1	KTAR	FM Phoenix AZ	98.7	KVCM	Montgomery City, MO	103.9
KPUB	FM Pueblo, CO	99.9	KRTH	Los Angeles CA	101.1	KTAS	Pendleton OR	107.7			
KPVU	Prairie View TX	91.3	KRTU	San Antonio, TX	91.5	KTAV	Knockville IA	92.1	KVCO	Concordia, KS	88.3
KPWD	Pleantywood, MT	100.1	KRTU	Las Vegas, NV	90.9	KTAZ	FM Sierra Vista, AZ	100.9	KVCR	San Bernardino, Calif.	
KPXI	Mt. Pleasant, TX	100.7	KRTU	Santa Barbara, CA	103.3	KTBC	Nacogdoches TX	92.1	KVDB	FM Sioux Center IA	94.3
KPYN	Atlanta TX	99.3	KRVV	Los Gatos, CA	95.3	KTCC	Colby, KS	91.9	KVFC	FM Conway AR	104.1
KQAA	Aberdeen, SD	94.9	KRVH	FM Rio Vista CA	90.9	KTCH	Fort Wayne, NE	104.9	KVEL	FM Vernal, UT	92.7
KQAD	FM Luverne MN	93.7	KRVM	Eugene, OR	91.9	KTCL	Fort Collins, CO	93.0	KVFG	Thibodaux, LA	91.5
KQAL	Winona, MN	88.5	KRVN	FM Lexington, Neb.	93.1	KTCR	FM Minneapolis, MN	97.1	KVFM	Ogden, UT	95.5
KQCA	Canton, MO	102.3	KRVV	FM Lafayette, La.	88.3	KTCF	FM Fort Smith AR	99.9	KVFS	Vacaville, Cal.	95.3
KQCR	Cedar Rapids, IA	102.9	KRWG	Las Cruces, NM	90.7	KTCU	FM Fort Worth, TX	88.7	KVGB	FM Great Bend, KS	104.3
KQDE	FM Waseca MN	92.1	KRWV	Farmington, NM	92.9	KTDB	Ramah NM	89.7	KVHS	Concord, Cal.	91.1
KQDY	Bismarck, ND	94.5	KRXS	Hardy, MT	95.3	KTDY	Lafayette, LA	99.9	KVI	FM Seattle, WA	101.5
KQED	FM San Francisco, Cal.	88.5	KRXV	Kirkville, MO	94.5	KTKC	Klamath Falls, Ore.	88.1	KVIL	FM Travis AFB CA	
			KSAB	Liberty, MO	106.5	KTFE	El Paso, Tex.	88.5			
KQEZ	Shafter, CA	97.7	KSAC	Walnut CA	90-1	KTEP	Rapid City, S.D.	88.1	KVIM	Coachella, Calif.	93.7
KQFM	Portland, OR	100.3	KSAM	FM Huntsville, Tex.		KTEZ	Lubbock, TX	101.1	KVIP	FM Redding CA	98.1
KQHJ	Hampton, IA	104.9	KSAN	San Francisco, Cal.	94.9	KTFX	Sioux City, Ia.		KVLR	Detroit Lakes, MN	95.3
KQHU	Yankton SD	104.1	KSAR	FM Salem AR	95.9	KTFM	San Antonio TX	102.7	KVLV	Beaumont TX	91.3
KQIC	Willmar MN	102.5	KSAT	Nacogdoches, TX	98.1	KTFX	Tulsa OK	103.3	KVLY	FM Fallon, Nev.	
KQID	Alexandria LA	95.1	KSAX	Burley ID	98.1	KTFC	Fort Dodge, IA	92.1	KVMG	FM Cochrane, Ga.	
KQIP	Odessa, TX	99.3	KSAY	Clinton, IA	98.1	KTFO	FM Tahoe Valley, CA	103.1	KVMR	Nevada City CA	89.5
KQIX	Grand Junction CO	93.1	KSBR	Mission Viejo, CA	88.5	KTIB	FM Thibodaux, La.		KVMT	Vail, CO	104.7
KQIZ	FM Amarillo, TX	93.1	KSBY	FM San Luis Obispo, Cal.		KTIG	Pequot Lakes MN	100.1	KVMV	FM McAllen, Tex.	96.9
KQKI	FM Bayou Vista, LA	95.3	KSCC	Berryville AR	107.1	KTIM	FM San Rafael, Calif.	100.9	KVNO	Omaha, NE	90.7
KKQK	FM Council Bluffs, IA	98.5	KSCF	Florissant, MO	97.1	KTIS	FM Minneapolis, Minn.		KVPC	Fairfield, Iowa	89.5
KQLH	San Bernardino CA	95.1	KSCV	Shreveport, LA	91.3	KTJJ	Farmington MO	97.1	KVPI	FM Villa Platte, La.	
KQMD	Honolulu, HI	95.1	KSCM	FM Houston, MO	99.3	KTKG	Springhill, LA	92.7	KVQR	FM Santa Rosa CA	91.5
KQNM	Gallup, NM	93.7	KSCO	FM Santa Cruz, CA	99.3	KTSC	FM Pueblo, Colo.	105.5	KVRF	Vermillion, S.D.	
KQQK	Kanai, AK	100.1	KSCR	Hobbs, NM	95.7	KTLF	FM Mountain Home AR	88.3	KVRR	FM Salida, Calif.	92.1
KQQD	Ogden UT	101.9	KSCS	Ft. Worth TX	98.3	KTLQ	FM Tahlequah, Okla.		KVRN	FM Sonora, TX	92.1
KQQQ	Pullman, WA	104.9	KSCU	Santa Clara CA	88.3	KTLX	Columbus NE	91.9	KVRO	Stillwater, Okla.	
KQRS	FM Golden Valley, MN	92.5	KSDN	FM Aberdeen, SD	94.1	KTMO	Kennett MO	96.9	KVSR	Rapid City, S.D.	97.9
KQSM	Ghanute, KS	105.5	KSDS	San Diego, CA	88.2	KTMF	FM Santa Barbara, Cal.		KVVC	FM Cabool, MO	108.3
KQSW	Rock Springs WY	99.3	KSDT	Gordonsville, N.C.	95.3	KTMG	FM Medford OR	93.7	KVVP	Leesville, LA	105.5
KQSE	Houston TX	102.9	KSEA	Seattle, WA	100.7	KTNM	FM Tucumcari, N. M.	92.7	KVWC	FM Vernon TX	102.3
KQWB	FM Moorhead, MN	98.7	KSEL	FM Lubbock, TX	93.7	KTOC	FM Jonesboro, La.		KVWM	FM Show Low AZ	93.5
KQWC	FM Webster City IA	95.9	KSED	FM Durant, OK	107.1	KTOF	Cedar Rapids, Iowa	104.5	KVXJ	Crescent City, CA	90.1
KQXT	San Antonio, Tex.	101.9	KSER	Searcy, AR	99.3	KTON	FM Belton, Tex.	106.3	KVYN	St. Helena, CA	99.3
KQXX	McAllen, Tex.		KSET	FM El Paso, Tex.	94.9	KTOO	Juneau AK	104.3	KWAA	Sun City, AZ	106.3
KQXY	Beaumont, TX		KSEZ	Sioux City, IA	97.7	KTOT	FM Big Bear Lake, CA	101.7	KWAS	Waco, TX	91.1
KQYV	Phoenix AZ	95.5	KSFC	Spokane WA	91.1	KTOY	Tacoma, Wash		KWAT	FM Watertown, S.D.	96.1
KRAA	Seattle, WA	107.7	KSFG	Mountain View CA	90.5	KTPK	Topeka, KS	106.9	KWAV	Monterey, CA	96.9
KRAD	FM E. Grand Forks, MN	103.9	KSHI	Salt Lake City UT	100.3	KTRU	Leavenworth KS	98.9	KWAX	Eugene, OR	91.1
KRAI	FM Craig, CO	93.7	KSHJ	Crestwood, MO	94.7	KTRU	Houston, TX	91.7	KWBE	FM Beatrice, NE	92.9
KRAV	Tulsa, OK	96.5	KSHE	Crestwood, MO	94.7	KTRX	Tarkio-Rockport MO	93.5	KWBG	FM Boone, IA	96.3
KRAY	FM Salinas, CA	103.9	KSII	Zuni NM	90.9	KTRX	FM Bastrop, LA	84.3	KWBI	Morrison, Colo.	91.1
KRAZ	Farmington, NM	96.9	KSII	Huntsville TX	89.3	KTRX	FM Pueblo, Colo.	89.5	KWBU	Waco, TX	107.1
KRBB	FM Salinas, Okla.	95.9	KSID	FM Sidney, NE	94.9	KTSM	FM El Paso, Tex.	99.9	KWCB	Floresville, TX	94.3
KRBC	Ketchikan AK	104.1	KSII	Pocatello, ID	94.9	KTSR	Kansas City, Mo.		KWCR	FM Ogden, Utah	
KRBE	Houston, TX	104.1	KSII	W. Woodward, Ok.	93.5	KTSU	Houston TX	90.9	KWCV	Walla Walla, Wash.	90.5
KRBI	FM St. Peter, MN	105.5	KSJC	FM Stockton, Calif.	89.5	KTOT	FM Big Bear Lake CA	101.7	KWCX	Willcox, AZ	98.3
KRBM	Pendleton, OR	90.9	KSJM	Jamestown, ND	93.3	KTTL	Dodge City KS	93.9	KWDB	FM Richfield, MN	101.3
KRBU	Pocatello, ID	104.9	KSJM	Minneapolis, Minn.	91.1	KTTX	FM Springfield, Mo.	90.3	KWDF	Idabel, OK	96.7
KRCC	Colorado Springs, CO	91.5	KSKD	San Jose, CA	92.3	KTTX	FM Honolulu, HI		KWED	FM Seguin, Tex.	105.3
KRCH	Rochester, MN	101.7	KSKJ	FM Colleton, S.C.	90.1	KTW	FM Seattle, Wash.		KWEH	Camden AR	97.1
KRCL	Burgis, S.D.	93.4	KSJS	San Jose, Cal.	90.1	KTWN	FM Anoka MN	107.9	KWEN	Tulsa OK	95.5
KRCO	Ozono, TX	94.3	KSJS	San Jose, Cal.	90.1	KTXJ	FM Jasper, TX	102.3	KWEY	FM Weatherford, OK	97.3
KRCU	Cape Girardeau, MO	90.9	KSJS	San Jose, Cal.	90.1	KTXV	FM Victoria, Tex.	98.7	KWEX	Monroe, LA	104.1
KRDC	FM St. George UT	90.1	KSJU	Collegeville, MN	93.1	KTYR	Tacoma, Wash.		KWFC	Springfield, MO	97.3
KRDF	FM Spearman TX	98.3	KSKA	Anchorage AK	103.1	KTYR	Springfield, Mo.	101.5	KWFM	Tucson AZ	92.9
KRDO	FM Colorado Springs, Colo.		KSKD	Salem OR	105.1	KTYR	Springfield, Mo.	101.5	KWFR	FM San Angelo, Tex.	
KRE	FM Berkeley CA	102.9	KSKG	Salina, Kan.	99.9	KTYL	Tyler, TX	93.1	KWGN	FM Abertown, Tex.	
KREB	Monroe, LA	108.9	KSKH	FM Sun Valley, ID	93.5	KUAC	FM Fairbanks AK	104.1	KWGS	Tulsa, OK	89.5
KREB	Gristow, OK	108.9	KSKI	FM Sun Valley, ID	93.5	KUAD	FM Windsor, CO	99.1	KWHC	Forrest City AR	102.3
KREM	FM Spokane, WA	92.9	KSKL	Mena, AR	101.7	KUAF	Fayetteville AR	88.9	KWHI	Branham, TX	106.3
KRES	Billings, MT	88.9	KSKM	Houston, Kan.	90.3	KUAM	FM Agana GU	93.9	KWHI	FM Salt Lake City, Utah	
KRES	Moberly, MO	104.7	KSKL	McMinville OR	90.3	KUAT	FM Tucson, AZ	90.1	KWHF	Edmond, Okla.	98.9
KREW	FM Sunnyside, WA	98.7	KSKM	McMinville OR	90.3	KUBB	Mariposa, CA	96.3	KWHS	W. Sacramento, CA	91.7
KREX	FM Grand Junction, CO		KSKN	Seminole OK	105.5	KUPC	FM Montrose, CO	94.1	KWHW	FM Altus OK	93.5
			KSLH	St. Louis, MO	91.5	KUBS	Newport WA	80.5	KWIC	Beaumont TX	107.7
KRFQ	Greenfield, MO	92.3	KSLI	Alexandria, LA	96.9	KUCW	Conway, AR	91.5	KWIN	Lodi CA	97.7
KRFQ	FM Owatonna, MN	104.9	KSLJ	St. Louis, MO	96.1	KUCR	Riverside, Cal.		KWIQ	FM Moses Lake, Wash.	
KRFS	FM Superior, NB	103.9	KSLK	Hammond, LA	90.9	KUCR	Lincoln, Neb.				
KRGI	FM Grand Island, NE	96.5	KSLM	FM Santa Maria, CA	102.5	KUDL	Kansas City, KS	98.1	KWIT	Sioux City, IA	100.3
KRGK	Carthage, MO	104.9	KSMR	Lafayette, LA	94.5	KUDL	Kansas City, KS	98.1	KWIZ	FM Santa Ana, Calif.	
KRHD	FM Dunean, OK	102.3	KSMC	Moraga, CA	89.5	KUDL	Las Vegas, NV	93.1	KWJS	Arlington, TX	94.9
KRHJ	FM Tulsa City, AZ	100.3	KSMN	FM Mantoloking, NJ	104.9	KUDL	Las Vegas, NV	93.1	KWKC	FM Abilene, Tex.	
KRHM	Lake Havasu City NE	95.9	KSMO	FM Salem MO	92.7	KUDU	FM		KWKI	Kansas City, Mo.	93.3
KRIC	Rexburg ID	90.1	KSMR	Winona MN	90.9	KUDU	Ventura-Oxnard, Calif.		KWKK	Dardanelle, AR	102.3
KRIL	El Dorado AR	99.3	KSMU	Springfield MO	91.1	KUDU	FM		KWKQ	Anshaga, AK	102.3
KRIT	Clarion, IA	96.9	KSND	Eugene, OR	93.1	KUDU	FM		KWKQ	Gramm, TX	107.1
KRIX	Brownville TX	99.5	KSNM	Santa Fe, N. M.	91.1	KUDU	FM		KWLD	Plainville, TX	91.5
KRJB	Monte Rio, CA	97.7	KSNR	Gilroy CA	94.3	KUDU	FM		KWLS	FM Pratt KS	95.3
KRKE	FM Albuquerque, NM	94.1	KSNS	Lake Charles, LA	96.9	KUDU	FM		KWLW	Many, LA	107.1
KRKT	FM Albany, OR	99.9	KSNL	San Mateo CA	101.1	KUDU	FM		KWLW	San Angelo, Tex.	
KRKS	Knoxville IA	92.1	KSNM	Santa Fe, N. M.	91.1	KUDU	FM		KWMJ	Midland, TX	103.3
KRKT	South Lake Tahoe, CA	100.1	KSNR	Gilroy CA	94.3	KUDU	FM		KWMO	St. Louis, Mo.	90.7
KRKL	Northfield, MN	90.3	KSNS	Lake Charles, LA	96.9	KUDU	FM		KWNU	St. Louis, Mo.	80.7
KRLY	Houston, TX	93.7	KSNL	Alexandria, LA	96.9	KUDU	FM		KWNT	FM Davenport, Ia	
KRMD	FM Shreveport LA	101.1	KSNP	FM San Diego, CA	97.3	KUDU	FM		KWOA	FM Worthington, Minn	
KRMP	Provo, UT	94.9	KSPD	Pebble Beach CA	91.7	KUDU	FM		KWOD	Sacramento, CA	106.5
KRMS	FM Osage Beach, MO		KSPF	FM Stillwater, Okla.		KUDU	FM		KWPB	Liberty, MO	91.9
KRNA	Iowa City, IA	93.5	KSPG	Aspen, Colo.	97.7	KUDU	FM		KWPM	FM West Plains, MO	93.9
KRNB	FM Beach Bay, WA	90.1	KSPH	FM Hingham, MA	90.1	KUDU	FM		KWRF	FM Warren, OR	105.5
KRNL	FM Mt. Vernon, Ia.	100.9	KSPJ	Colorado Springs, CO	92.9	KUDU	FM		KWRO	FM Conifer, OR	102.3
KRNO	Reno, NV	106.1	KSPK	FM Salmon, ID	92.7	KUDU	FM		KWRS	Spokane, WA	90.1
KRNP	Des Moines, IA	102.5	KSPQ	Seward, NB	96.9	KUDU	FM		KWSB	FM Gunnison, Colo.	
KRNY	FM Kearney-Holdrege, Nebraska		KSRD	Santa Monica, Calif.		KUDU					

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KYGR	Grand Rapids, MN	96.7	WAJP	Joliet, Ill.		WBHR	Bellair, OH	88.7	WCER	FM Charlotte, Mich.	
KXIQ	Bend, OR	84.1	WAJR	FM Morgantown, W.Va.		WBHS	Brunswick ME	91.1	WCFM	Williamstown, Mass.	
KXIT	FM Dalhart, Tex.		WAKG	Danville VA	103.3	WBIE	Marietta, GA	101.5	WCFR	FM Springfield, Vt.	
KXJK	FM Forrest City, Ark.		WAKM	Bedford, Pa.		WBIF	Bedford, IN	105.5	WCFW	Chippewa Falls, Wis.	105.5
KXKX	Denver, CO	95.7	WAKO	FM Aiken, S.C.		WBIV	FM Bridgewater, MA	91.5	WCHC	Worcester, MA	89.1
KXKZ	Ruston, LA	107.1	WAKQ	FM Lawrenceville, Ill.		WBIP	FM Booneville, MS	99.3	WCHK	FM Canton, Ga.	
KXLE	FM Ellensburg WA	95.3	WAKR	Russellville, KY	101.1	WBIR	FM Knoxville, Tenn.		WCHN	FM Norwich, N.Y.	
KXLI	Los Angeles, Cal.	88.9				WBIV	Wethersfield Township, N.Y.	107.7	WCHO	FM Washington Court House, O.	
KXLY	FM Spokane, Wash.		WAKS	FM Fuquay-Varina, NC	103.9	WBIZ	Eau Claire WI	100.7	WCHQ	FM Camuy, P.R.	102.9
KXMS	Alice TX	92.1	WAKW	Cincinnati, OH		WBKR	Linerport NJ	90.8	WCHR	FM Trenton, N.J.	94.5
KXOO	FM El Centro, CA	107.5	WAKX	FM Duluth, MN	99.9	WBJC	Baltimore, Md.	92.1	WCHW	FM Bay City, MI	91.3
KXOA	Sacramento, Calif.		WAKY	FM Waterboro, S.C.	100.9	WBJS	Falmouth, Mass.	101.8	WCIB	Falmouth, Mass.	101.8
KXOJ	Sapulpa, OK	100.9	WALF	Alfred NY	89.7	WBIV	Orlando, FL	91.3	WCIE	FM Lakeland, FL	91.3
KXOL	Fort Worth TX	99.5	WALK	FM Patchogue, N.Y.		WBKE	FM North Manchester, Ind.	89.5	WCIG	Mullins, SC	
KXOX	FM Sweetwater, TX	96.7	WALL	FM Middletown, N.Y.		WBKF	Macclenny FL	92.1	WCII	FM Washington, IA	95.3
KXOW	FM Hot Springs, AR	106.3	WALM	FM Marshall, Mich.		WBKR	Owensboro KY	92.5	WCIL	FM Carbondale, Ill.	101.5
KXPR	Sacramento CA	88.9	WALP	Corinth, Miss.	90.5	WBKT	Brookport, NY	90.5	WCIR	FM Beckley, W.Va.	103.7
KXQR	Fresno, Calif.(s)		WALR	FM Union City, TN	104.9	WBKV	FM West Bend, Wis.	99.7	WCJM	W. Palm, Ga.	
KXRA	FM Alexandria, Minn.		WALS	Meridian, Miss.	87.1	WBKW	Beckley, W.Va.	91.5	WCKP	Pompano Beach, FL	102.7
KXTC	Glendale AZ	92.3	WALX	Seima, AL	100.9	WBKY	Lexington, Ky.		WCKR	Hornell NY	92.1
KXTR	Kansas City, Mo.		WAMC	Albany, N.Y.		WBKZ	Glen Burnie, MD	95.9	WCKS	Cocoa Beach, Fla.	
KXTZ	Henderson, NV	94.1	WAMF	Tallahassee, FL	90.5	WBLD	Orchard Lake, MI	89.3	WCKW	La Place, La.	
KXXA	Little Rock, AR	95.7	WAMI	FM Opp AL	102.3	WBLE	FM Batesville, MS	95.9	WCDA	FM Claxton GA	107.1
KXXI	Ft. Smith, AR	100.9	WAMO	Pittsburgh, PA	105.9	WBLI	FM Patchogue, NY	106.1	WCLE	FM Cleveland MS	103.9
KXXK	Chickasha OK	105.5	WAMP	FM Toledo, OH	88.3	WBLC	FM Buffalo, N.Y.		WCLE	FM Cleveland, Tenn.	
KXXX	FM Colby KA	100.3	WAMB	FM Venice, FL	90.5	WBLS	FM Lewisburg, TN	107.5	WCLG	FM Morgantown, WV	100.1
KXXX	Oklahoma City OK	96.1	WAMB	FM Washington, D.C.		WBLS	New York NY	107.5	WCLH	Wilkes-Barre, Pa.	90.7
KYA	FM San Francisco CA	99.3	WAMZ	Ashtland, KY	93.7	WBLS	New York NY	107.5	WCLI	FM Corning, NY	106.1
KYB	Yakima, WA	98.3	WAMZ	Louisville, KY	97.5	WBLS	New York NY	107.5	WCLK	Atlanta, GA	91.8
KYBS	Livingston, MT	97.7	WANB	FM Waynesburg Pa.	90.7	WBLS	New York NY	107.5	WCLL	Chillicothe, Ill.	94.3
KYCD	Cody, WY	90.1	WANM	Tallahassee, Fla.		WBLS	New York NY	107.5	WCLM	FM Janesville, Wis.	
KYEA	West Monroe, La.	98.3	WANS	FM Anderson, S.C.		WBLS	New York NY	107.5	WCLN	FM Newark, Ohio	101.9
KYEZ	Salina, KS	93.7	WANT	FM Albany, Ky.		WBLS	New York NY	107.5	WCLV	Cleveland, O.	
KYFM	Bartlesville, Okla.	100.1	WANY	FM Albany, Ky.		WBLS	New York NY	107.5	WCLW	FM Mansfield, Ohio	
KYFK	Humble City NM	94.1	WAPN	FM Vincennes, Ind.	95.3	WBLS	New York NY	107.5	WCLX	Boyer City, MI	93.5
KYKR	FM Port Arthur, TX	93.3	WAPC	FM Riverhead, N.Y.		WBLS	New York NY	107.5	WCMA	FM Wildwood, N.J.	
KYKX	Longview, TX	105.5	WAPI	FM Birmingham AL	94.5	WBLS	New York NY	107.5	WCMB	FM Brucier, Maine	
KYLO	Davis, CA	102.5	WAPS	Akron, Ohio		WBLS	New York NY	107.5	WCME	FM Rochester, N.Y.	
KYLT	FM Missoula, MT	100.1	WAQA	Grassville MD	103.1	WBLS	New York NY	107.5	WCMI	Chester, S.C.	99.8
KYMC	Ballwin MO	89.9	WAQT	Carrollton, AL	94.1	WBLS	New York NY	107.5	WCML	FM Alcona, MI	91.7
KYMS	Santa Ana, Cal.		WAQX	Manlius NY	95.3	WBLS	New York NY	107.5	WCMM	FM Arcebo, P.R.	
KYND	FM Pasadena TX	92.5	WAQX	Springfield MA	102.1	WBLS	New York NY	107.5	WCMP	FM Marietta, Ohio	
KYNO	FM Fresno, CA	95.5	WARC	Meadville, Pa.		WBLS	New York NY	107.5	WCMP	FM Pine City, MN	92.1
KYOR	FM Blythe, CA	100.3	WARG	Summit, IL	88.9	WBLS	New York NY	107.5	WCMA	FM Hialeah, FL	92.1
KYSM	FM Mankato, Minn.		WARP	Due West, S.C.	91.7	WBLS	New York NY	107.5	WCMS	FM Norfolk, Va.	
KYSS	FM Missoula MT	94.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCMT	FM Hartford, Conn.	101.7
KYTE	FM Portland, OR	101.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCMT	FM Hartford, Conn.	101.7
KYTN	Grand Forks ND	94.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCMA	FM Ferrisboro AL	88.3
KYUJ	Uvalde, TX	95.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCNB	FM Connersville, Ind.	
KYUJ	San Francisco, CA	99.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCNH	FM Quincy, Fla.	
KYVJ	San Diego CA	86.8	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCNI	New London CT	91.5
KYVJ	Billings MT	93.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCNJ	FM Newport, RH	101.7
KYVS	Kansas City, MO	102.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCNY	FM Liverpool, NY	91.3
KYVY	Seattle, WA	96.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	Hyannis, Mass.	106.1
KYYV	Bismarck ND	92.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Newnan, GA	
KYZM	FM Cape Girardeau, Mo.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Columbus, Ohio	
			WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Urbana, O.	
KZAG	Dallas TX	102.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Cornells, Ga.	
KZAM	FM Bellevue, WA	96.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Columbia, S.C.	
KZAP	Sacramento, Cal.	98.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Lewiston, Maine	
KZEL	FM Eugene, Ore.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Sparta, Wis.	
KZEN	Seaside CA	107.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Boston MA	94.5
KZEV	Clear Lake IA	103.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Clearfield, Pa.	
KZEE	St. George UT	93.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Houston, Miss.	89.3
KZEF	Corpus Christi, Tex.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Raleigh, NC	98.7
KZFM	FM Shelby, MT	96.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM WV	
KZIP	Amarillo, TX	98.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Pageland, SC	102.3
KZIQ	FM Ridgecrest, CA	92.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Waltham, MA	102.3
KZIO	Pueblo, CO	100.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Effingham, IL	95.7
KZNN	Rolla MO	108.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Bluffton, Ind.	
KZOK	FM Seattle, WA	102.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Cleveland, OH	103.3
KZOM	Orange TX	104.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Williamsport, MD	90.5
KZOZ	San Luis Obispo, CA	93.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Charleston, S.C.	101.1
KZSG	Santa Cruz CA	88.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Arab, AL	92.7
KZST	Santa Rosa, Calif.	100.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Greenwood, SC	96.7
KZSU	Stanford, CA	90.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Danville, IN	107.9
KZUE	Oklahoma City, OK	102.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Mason GA	107.9
KZUM	Lincoln NE	89.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Cleveland, OH	89.3
KZUN	FM Opportunity, Wash.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Warminster, PA	89.9
KZL	Lemars, IA	99.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Shores NC	92.3
KZQJ	Golden Meadow, LA	94.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Grand Rapids, MI	91.3
KZZY	San Antonio, TX	100.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Columbus, Ind.	
KZZZ	Kingman AZ	92.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Morris, IL	104.7
WAAP	Worcester, Mass.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Ferris, O.	
WAAL	Binghamton NY	98.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Central Square, NY	89.3
WAAN	FM Parkersburg, W.Va.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Hillside, Mich.	92.1
WAAZ	FM Crestview, Fla.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Amsterdam, NY	97.7
WABB	FM Mobile	97.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Berkeley Springs, W.Va.	
WABD	FM Ft. Campbell, Ky.	107.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Wilberforce, O.	
WABE	Atlanta, Ga.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Crossville, Tenn.	99.3
WABF	FM Fairhope AL	82.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Union City PA	106.3
WABC	FM Gardner ME	104.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Eaton, Ohio	92.9
WABD	FM Waynesboro MS	105.8	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Brentwood, N.Y.	94.3
WABR	FM Tifton, GA	80.8	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Minneapolis-St. Paul, MN	100.3
WABX	Detroit, Mich.	95.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Corbin, Ky.	
WABZ	FM Albemarle, N.C.		WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Palmira, Pa.	92.1
WACB	Arnold, MD	89.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Norwich, CT	91.7
WACE	Paris IL	98.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Clarion, PA	97.7
WACI	Freeport, Ill.	92.1	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Akron, Ohio	
WACL	FM Waycross, GA	103.3	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Culpeper, VA	
WACM	Freeland, PA	103.7	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Tifton, GA	103.1
WACB	FM Columbus, MS	103.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Worcester MA	91.3
WACT	FM Tuscaloosa, AL	105.5	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Flemington, NJ	90.5
WADB	Pilot Pleasant, N.J.	95.9	WART	Plainfield, IN	98.3	WBLS	New York NY	107.5	WCOD	FM Jefferson OH	1

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WDBI-FM Tawas City MI	101.7	WEKZ-FM Monroe, Wis.	104.3	WFMV-FM Blairstown NJ	106.3	WGUL-FM New Port Richey, Fla.	105.5				
WDBJ-FM Roanoke, Va.		WELA-E Liverpool, OH		WFMX Statesville, N.C.		WGUS-FM Augusta, Ga.					
WDBK Blackwood, NJ	91.5	WELD-FM Tupelo, Miss.		WFMZ Allentown, Pa.		WGVF Gary, Ind.					
WDBL-FM Springfield, Tenn.		WELE-FM DeLand, FL	105.9	WFNN Forsyth GA	97.1	WGVV Gainesville FL	105.5				
WDBM Medina, O.		WELL-FM Marshall, MI	104.9	WFNM Lancaster PA	88.7	WGVV Greenville, OH	91.7				
WDBO-FM Orlando, Fla.	92.5	WELQ-FM Tupelo, Miss.	98.5	WFNN Escanaba, MI	104.7	WGWG Boiling Springs,					
WDBQ-FM Dubuque, Iowa		WELR-FM Escay, W.C.		WFOB-FM Racine, Wis.			88.3				
WDBR Springfield IL	103.7	WELR-FM Roanoke AL	95.3	WFOG-FM Fostoria, Ohio		WGXJ Laurens, SC	100.5				
WDBS Durham, NC	107.1	WELM-FM Harrisonburg, Va.		WFOG Suffolk-Norfolk, VA	92.9	WGXN Dayton OH	88.1				
WDBY Duxbury MA	91.7	WEMC Harrisonburg, Va.		WFOG Fond du Lac, Wis.		WGYL Vero Beach, Fla.	98.5				
WDCB Glen Eilyn, IL	90.9	WEMD-FM Easton, MD	96.7	WFOF Chesapeake, Va.		WHAD Deltafield, Wis.					
WDCD-FM Sanford NC	88.9	WEMH-FM Cullman AL	101.1	WFOF Gainsville, Ga.	97.1	WHAI-FM Greenfield, Mass.					
WDCE Richmond, VA	90.1	WEMI Neenah-Menasha, WI	100.9	WFOY-FM St. Augustine, Fla.		WHAI Bluefield, WV					
WDCK Durham, NC	105.1	WEMM Huntington, WV	107.9	WFOY-FM Atlantic City, N.J.	98.9	WHAV-FM Beverly, Mass.					
WDCR-FM Hanover, NH	99.3	WEMP-FM East Moline, IL	101.3			WHAY Aberdeen, MS	105.5				
WDCU-FM Portland, Me.	97.9	WEMU-FM Milwaukee, Wis.				WHBB-FM Selma, Ala.					
WDCV-FM Carlisle PA	88.3	WENN-FM Birmingham AL	107.7			WHBC-FM Canton, Ohio					
WDCX Buffalo, N.Y.		WEOE-FM Elyria, Ohio				WHBF-FM Rock Island, Ill.					
WDDC Chicago, IL	89.3	WEOE-FM Geneva, N.Y.	89.7			WHBS Holiday FL	106.3				
WDDD Marlon, Ill.	107.1	WEPM-FM Martinsburg, W.Va.				WHCG Metter, GA	104.9				
WDEE Hamden, Conn.		WEPN Greenville SC	90.1			WHCI Savannah GA	88.5				
WDEB-FM Ellsworth, Me.		WEPN-EI, III				WHCI-FM Clinton, NY	88.7				
WDEF-FM Jamestown, Tenn.		WEQR Goldsboro, N.C.				WHCN Hartford, Conn.					
WDEF-FM Chattanooga, Tenn.		WERG Erie PA	89.9			WHCU-FM Ithaca, NY					
	92.3	WERH-FM Hamilton AL	92.1			WHDF Bel Air MD	99.9				
WDEH-FM Sweetwater, Tenn.		WERI-FM Westerly, RI				WHDF Archbold, OH	95.5				
WDEI-FM Macon, Ga.	105.5	WERL-FM Eagle River, WI	94.3			WHDF Flossmoor, Ill.					
WDEK-FM Dekalb, IL	92.5	WERO-FM Wapakoneta, Ohio				WHFI Jackson, Miss.	94.1				
WDEE-FM De Graff, Ohio	91.1	WERN Madison, Wis.	88.7			WHFL Winter Haven, FL	97.5				
WDEE-FM Detroit, Mich.		WERS Boston, Mass.				WHFM Rochester, N.Y.					
WDEZ Wausau WI	101.9	WERT-FM Van Wert, Ohio				WHFS Bethesda, Md.					
WDFP Battle Creek, MI	95.3	WERV Beaufort SC	89.9			WHGS Bennington, VT	94.3				
WDGC-FM Downers Grove, Ill.	88.3	WESA-FM Charleroi PA	98.3			WHGM Bellwood, Pa.					
		WESC-FM Greenville, S.C.	88.1			WHHB Holliston, MA	91.5				
WDHA-FM Dover, N.J.		WESN Bloomington IL				WHH-High Falls, Wis.					
WDHP Presque Isle ME	96.9	WESQ-FM Southbridge, Mass.	100.1			WHJJ Dix Hills, NY	88.9				
WDHR Pikesville KY	92.1	WESP-FM Cambridge, MD	106.3			WHJO-FM Hornell, N. Y.	105.3				
WDHS Gaston, IN	90.9	WESR-FM Tasley, Va.	103.3			WHJR Hilton Head SC	106.3				
WDIF Marlon, OH	94.3	WESS East Stroudsburg, PA	90.3			WHHS Havertown, Pa.					
WDIZ Orlando, Fla.	106.3	WEST-FM Easton, Pa.				WHHY-FM Montgomery AL	101.9				
WDJC Birmingham AL	93.7	WEST-FM Middletown, Conn.	88.1			WHIO-FM Dayton, Ohio					
WDJE Westport, CT	107.9	WETA-FM Washington, D.C.	91.3			WHIR-FM Ft. Worth, TX	107.1				
WDJK Atlanta, Ga.		WETD Alfred NY	91.3			WHIZ-FM Zanesville, Ohio					
WDJX Xenia-OH	103.9	WETS South Bend, Ind.				WHJE Carmel, Ind.	91.3				
WDKX Rochester, NY	103.9	WETN Wheaton, Ill.	88.1			WHJT Clinton MS	93.5				
WDLA-FM Walton NY	92.1	WETS Johnson City TN	89.5			WHJY Providence RI	94.1				
WDLB-FM Marshallfield, Wis.		WEVD-FM New York, N.Y.				WHKC Henderson, KY	103.1				
WDLG-FM Port Jervis, N.Y.	96.7	WEVL Memphis, TN	90.3			WHKK Erlanger, Ky.	100.9				
WDLH-FM East Moline, IL	89.3	WEVR-FM River Falls, Wis.	106.3			WHKW Fayette, AL	98.1				
WDLT Cleveland MS	92.7	WEXA Eupora MS	107.7			WHLA Holmen, W. N. C.					
WDMB-FM Statesville, N.C.		WEXM-FM Exmore, VA	107.5			WHLD-FM Niagara Falls, N.Y.					
WDMG-FM Douglas, Ga.	99.5	WEXP Gadsden, AL	91.5			WHLM-FM Bloomsburg, Pa.	106.9				
WDMP-FM Dodgeville, Wis.	107.1	WEZB New Orleans LA	87.1			WHLQ Canton OH					
WDMT Cleveland, OH	107.9	WEZC Charlotte NC	104.7			WHLT-FM Huntington, Ind.					
WDNA Miami, FL	89.5	WEZF Burlington, VT	92.9			WHLY Leesburg, FL	106.7				
WDNR Chester, Pa.	88.5	WEZG, N. Syracuse NY	105.9			WHMA-FM Hartford, AL	100.5				
WDNS Bowling Green KY	98.3	WEZI Memphis TN	105.9			WHMD Hammond, LA	107.1				
WDNX Olive Hill TN	89.1	WEZK Knoxville, Tenn.	103.5			WHME South Bend, Ind.					
WDNC-FM Prestonsburg, Ky.		WEZL Charleston, S.C.	99.9			WHMH-FM Sank Rapids, MN					
WDOD-FM Chattanooga, Tenn.		WEZN Bridgeport CT	91.3				101.7				
WDOH Delphos OH	107.1	WEZO Rochester, NY	100.3			WHM1-FM Howell MI	93.5				
WDOK Cleveland, O.		WEZR Manassas, Va.				WHMT-FM Howell, MI	93.5				
WDOM Providence, R.I.		WEZW Wauwatosa, Wis.	103.7			WHMP-FM Northampton, MA	99.3				
WDOO-FM Sturgis Bay, Wis.		WEZX Scranton, PA	107.1			WHMQ-FM Findlay, OH	100.5				
WDOV-FM Dowagiac, Mich.	87.9	WEZY Cocoa FL	99.3			WHMT-FM Howell, MI	93.5				
WDPS Dayton, OH	90.1	WEZZ Clinton, AL	97.7			WHNN Bay City MI	96.1				
WDQN-FM Du Quoin, Ill.	95.9	WFAA-FM Dallas, Tex.				WHNR McMinnville, Tenn.	103.9				
WDRC-FM Hartford, Conn.		WFAC Columbus, OH.	91.5			WHOD-FM Jackson AL	104.9				
WDRM Monmouth, IL	97.7	WFAE Charlotte, NC	90.9			WHOK-FM Lancaster, Ohio					
WDRN Decatur AL	102.1	WFAH-FM Alliance, Ohio				WHOM Mount Washington, NH	94.9				
WDRR-FM Detroit, Mich.	93.1	WFAM Jacksonville FL	91.1								
WDRS Detroit, Mich.	95.3	WFAR-FM Sharpville, PA	95.9			WHOO-FM Orlando, Fla.					
WDSC-FM Dillon, S.C.		WFAU-FM Augusta, Maine				WHOP-FM Hopkinsville, Ky.					
WDSO Dover, Dela.	94.7	WFAW-FM Ft. Atkinson, Wis.	107.3			WHOU-FM Houlton, ME	100.1				
WDSO Chesterton, IN	89.1	WFBC-FM Greenville, S.C.				WHOV Hampton, Va.					
WDTH Duluth, Minn.	103.3	WFBE Flint, Mich.				WHOF-FM Clinton, IL	95.9				
WDRR Detroit, Mich.		WFBG-FM Altoona, Pa.				WHPF-FM Harrisburg, Pa.					
WDRS Greenville, Ohio		WFBI Indianapolis IN	94.7			WHPS-Harrisburg, Pa.	104.9				
WDUK Havana, Ill.	99.3	WFBO Chillieth OH	94.3			WHPC Garden City NY	90.3				
WDUQ Pittsburgh, Pa.		WFBI Franklin, Ind.				WHPE-FM High Point, N.C.					
WDUV Bradenton FL	103.3	WFBI Miami, Ohio	93.7			WHPF Hanover, N.J.					
WDUX-FM Waupaca, Wis.		WFBR Amherst, Mass.				WHPK-FM Chicago, Ill.					
WDUZ-FM Green Bay, Wis.		WFBS New Britain CN	90.1			WHPR Highland Park, MI	88.1				
WDVE Pittsburgh, Pa.	102.5	WFBD-FM Winston-Salem, N.C.				WHPW-Huntington, WV	89.3				
WDVL-FM Vineland, N.J.	92.1	WFBE-FM Winchester, Pa.				WHRF-FM Cambridge, Mass.					
WDVR Philadelphia, Pa.		WFBS-FM Baltimore, Md.				WHRR Memphis TN	97.1				
WDWA-FM Dawson, Ga.	92.1	WFBT Columbia City, Ind.	106.3			WHRL Albany, N.Y.					
WDWN Auburn NY	88.9	WFBU Teaneck, N.J.	89.1			WHRS Wausau, Wis.					
WDWS-FM Champaign, Ill.		WFEM Ellwood City, Pa.	92.1			WHRS Boynton Beach, FL	90.7				
WDXE-FM Lawrenceburg, Tenn.		WFFF-FM Columbia, Miss.				WHRW Binghamton, N.Y.					
WDXL-FM Lexington, Tenn.		WFFB Bradock, PA	96.9			WHRZ Providence, KY	97.7				
WDYL Chester, Va.	92.1	WFFY Front Royal, Va.	98.9			WHSA Brule, Wis.	89.9				
WDMN Chattanooga, Tenn.	89.7	WFGH Fort Gay WV	90.7			WHSB Alpena, Mich.					
WDOZ Shallotte, NC	93.5	WFFH-FM Henderson, Tenn.				WHSD Hinsdale, Ill.	88.5				
WDOZ Decatur, IL	95.1	WFFA-FM Louisville KY	105.9			WHSH Albany NY	106.5				
WEAA Baltimore, MD	88.9	WFFD Rio Piedras, P. R.				WHSK Kokomo, IN	89.1				
WEAF Eden, N.C.	94.5	WFFG Sumter, S.C.				WHSN Bangor, ME	89.3				
WEAS-FM Savannah, Ga.		WFFM Fairmont, WV	97.9			WHSR-FM Winchester, Mass.	91.9				
WEAT-FM West Palm Beach, Fla.		WFFG-FM Bristol, TN	96.9			WHSS Hamilton, OH	89.5				
WEAV-FM Plattsburgh, N.Y.		WFFI Melbourne, FL	91.1			WHST-FM Hattiesburg, Miss.					
WEAX Angola, IN	88.3	WFFJ Washington, Ind.				WHTB Talladega AL	92.7				
WEBF Olean, NY	95.7	WFFK-FM Columbia, Miss.				WHTC-FM Holland, Mich.					
WEBI Camilla, Ga.	105.5	WFFM Bradock, PA	96.9			WHTE-FM Eatontown, N.J.	106.3				
WEBS Cincinnati OH	102.7	WFFY Front Royal, Va.	98.9			WHUB-FM Cookeville, Tenn.					
WEBO-FM Owego NY	101.7	WFGH Fort Gay WV	90.7			WHUC-FM Hudson, N.Y.					
WEBC-FM Harrisburg, Ill.		WFFH-FM Henderson, Tenn.				WHUG Jamestown NY	101.7				
WECC Richmond, Ind.		WFFA-FM Louisville KY	105.9			WHUR Washington DC	96.3				
WECL Elkhorn City, KY	103.1	WFFD Columbia City, Ind.	106.3			WHUS-FM Storrs, Conn.					
WECS-FM Clarendon NH	106.1	WFDM Teaneck, N.J.	89.1			WHVS Hyde Park, Conn.	97.7				
WECC-FM Geneva, NY	101.7	WFEM Ellwood City, Pa.	92.1			WHWB-FM Rutland, Vt.	98.1				
WECC-FM Elmira, NY	88.1	WFFF-FM Columbia, Miss.				WHWC Colfax, Wis.					
WEDA-FM Grove City, Pa.		WFFB Bradock, PA	96.9			WHWE Howe, Ind.	89.7				
WEDM Indianapolis, Ind.	91.1	WFFY Front Royal, Va.	98.9			WHWL Marquette, MI	95.7				
WEDR-FM Miami, Fla.		WFFH-FM Henderson, Tenn.				WHYD-FM Columbus, Ga.	107.3				
WEEC Springfield, O.		WFFI Sanford, NC	105.5			WHYL-FM Carlisle, Pa.					
WEEE Taylorville, Ill.	92.7	WFLA-FM Tampa, Fla.	93.5			WHYN-FM Springfield, Mass.					
WEEF Germantown, TN	94.3	WFLB-C Canandaigua, NY	103.9			WHYP-FM North East, Pa.	100.9				
WEEI-FM Boston, Mass.		WFLM Crown Pt. IN				WHYS-FM Hattiesburg, Miss.					
WEEJ Port Charlotte, FL	100.1	WFLN-FM Philadelphia, Pa.									
WEEP Pendleton IN	91.7	WFLP-FM Farmville, VA	95.7								
WEER-FM Pikesburg, Pa.		WFLR-FM Dundee, N.Y.	95.9								
WEER-FM Warren, Va.		WFLS-FM Fredericksburg, Va.	93.3								
WEFA Waukegan, Ill.		WFLT-FM Franklin, Tenn.									
WEFG Winchester, Va.		WFLW-FM Monticello, Ky.									
WEFM Chicago, IL	99.5	WFLY Troy, N.Y.									
WEGL-FM Auburn AL	91.1	WFMA Rocky Mount, N.C.									
WEHB Grand Rapids, MI	106.3	WFMB Springfield, Ill.									
WEHM-FM Elmira, N. Y.		WFMD-FM Frederick, Md.									
WEIC-FM Charleston, Ill.		WFME Newark, NJ	94.7								
WEIV Ithaca, N.Y.		WFME Baton Rouge, LA	102.5								
WEIZ Phenix City, AL	100.1	WFMG Grand Haven, MI	92.1								
WEJY Monroe, MI	89.5	WFMI-FM Montgomery AL	98.9								
WEKU-FM Richmond, Ky.	88.9	WFML Washington, Ind.									
		WFMM Johnstown, PA	92.1								
		WFMM Newburgh, N.Y.									
		WFMD Lebanon, Tenn.	91.3								
		WFMD-FM Fitchburg, Mass.	104.8								
		WFMS Indianopolis, Ind.	88.7								
		WFMT-FM Chicago, IL	98.7								
		WFMU East Orange, N.J.									

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WIAN	Indianapolis, IN	90.1	WJFM	Grand Rapids, Mich.		WKLN	Cullman AL	92.1	WLKX-FM	Forest Lake MN	95.9
WIBA-FM	Madison, WI	101.5	WJFR	Jackson, MS	96.3	WKLP-FM	Keyser WV	94.1	WLLI-FM	Joliet, IL	96.7
WIBF	FM Jenkintown, Pa.		WJGA	Jackson, GA	92.1	WKLK	Toledo, O.	99.9	WLLS-FM	Hartford-Beaver Dam Ky	106.3
WIBG-FM	Philadelphia, Pa.		WJGF	Romey WV	91.5	WKLS-FM	Atlanta GA	96.1	WLMB	Jefferson-Village Twp. Oh.	88.9
WIBI	Carlinville, IL	91.1	WJGS	Houghton Lake, Mich.	98.5	WKLY	Plymouth NC	95.9	WLMC	Okeechobee, Fla.	
WIBM-FM	Jackson, Mich.		WJHD	Portsmouth RI	90.7	WKME	Gardiner, ME	104.3	WLMH	Norow, Ohio	86.1
WIBO	Waverly, Ohio	100.9	WJHL-FM	Johnson City, Tenn.		WKMH-FM	Dearborn, Mich.		WLMJ	Jackson OH	94.7
WIBQ	Utica, N.Y.	99.9	WJHM-FM	Madison, N.J.	98.3	WKMS	Hodgenville, KY	106.3	WLNH	FM Sag Harbor, NY	92.1
WIBS	Charlotte Amalie, VI	97.9	WJIB	FM Waton MS	98.9	WKMX	Enterprise, AL	106.7	WLNK	FM Laconia, N.H.	
WIBW-FM	Topeka, Kan.		WJIG-FM	Tullahoma, Tenn.		WKNH	Keene, NH	88.1	WLNO	Columbus, MS	90.9
WIBZ	Parkersburg, WV	99.3	WJIM-FM	Lansing, Mich.		WKNC-FM	Raleigh NC	88.1	WLNR	London, Ohio	
WICB	Ithaca, N.Y.		WJJI	Pensacola, FL	100.7	WKNO-FM	Memphis, TN	91.1	WLNK	Lansing IL	106.3
WICN	Worcester, Mass.	90.5	WJIZ	Cherry Valley, N.Y.		WKNT	FM Kent, OH	106.3	WLNK	Lincoln, IL	91.1
WICD-FM	Salisbury, Md.	94.3	WJJB	Albany, Ga.	91.9	WKNU	Brownston, AL	91.3	WLOB-FM	Westbrook, ME	100.9
WICR	Indianapolis, IN	88.7	WJJE	Lafayette IN	94.3	WKOC	Collins MS	101.7	WLOI-FM	La Porte, Ind.	
WIDD-FM	Elizabethton, TN	99.3	WJIR	Mifflinburg, PA	98.3	WKOF	Hopkinsville, Ky.		WLQI	Minneapolis MN	99.5
WIDE-FM	Biddeford ME	94.3	WJJW	North Adams MA	91.1	WKOG-FM	Gordon, GA	107.1	WLOM	Orleans, MA	104.7
WIDL	Caro, MI	104.9	WJWJ	Brainerd MN	106.7	WKOM	Columbia TN	101.7	WLOO	Chicago, IL	100.3
WIDR	Kalamazoo, MI	89.1	WJKL	Elgin IL	94.9	WKOV-FM	Wellston, Oh.	96.7	WLOQ	Winter Park, FL	103.1
WIFF-FM	Auburn, Ind.		WJLG-FM	South Boston VA	97.5	WKOW-FM	Kosciusko, Miss.	96.9	WLOS-FM	Asheville, N.C.	99.9
WIFI	Philadelphia, Pa.		WJLE-FM	Smithville, Tenn.	101.7	WKPS	New Wilmington, PA	98.9	WLOW-FM	Aiken SC	95.9
WIFN	Franklin, IN		WJLK-FM	Asbury Park, N.J.		WKPT-FM	Kingston, TN	98.5	WLPO-FM	La Salle, Ill.	91.3
WIFO-FM	Jesup, GA	105.5	WJLM	Salem, VA	93.5	WKQD	Nashville TN	105.9	WLPK	Mobile AL	96.1
WIGM-FM	Medford, Wis.	99.3	WJLN	Birmingham AL	104.7	WKQD	Henderson KY	92.5	WLPX	Milwaukee WI	97.3
WIGY	Bath, ME	105.9	WJLY	Moyock, NC	92.1	WKQS	Boca Raton FL	99.9	WLQA	Cincinnati OH	88.5
WIHN	Normal IL	96.7	WJMA	Orange VA	98.1	WKQX	Chicago, IL	101.1	WLQR	Toledo, Ohio	101.5
WIHS	Middletown, Conn.		WJMC-FM	Rice Lake, Wis.		WKRA-FM	Holly Springs, MS		WLQY	Ft. Pierce, FL	98.7
WIHU	Chicago, IL	88.9	WJMD	Bethesda, MD	94.7	WKRB	Brooklyn NY	90.9	WLRA	Rockport IA	92.7
WIS	Key West, FL	107.1	WJMF	Smithfield, RI	91.5	WKRG-FM	Mobile AL	99.9	WLRB	Rehoboth Beach, DE	92.7
WIKZ	Chambersburg, PA		WJMJ	Jackson, MS	95.7	WKRR	Cincinnati OH	101.9	WLRC-FM	Whitehall MI	95.3
WHSL	Wilmington, NC	97.3	WJMK	Hartford CN	88.9	WKRV	Vandalla, IL	107.1	WLRH	Huntsville AL	89.3
WIKA	Centerville, TN	96.7	WJML-FM	Petoskey, Mich.	96.9	WKRX	Baxall, NC	96.7	WLRI	Roanoke VA	92.3
WIKI-FM	Chester, Va.		WJMN	Versailles, KY	106.3	WKSB	Roxboro, NC	107.1	WLRN-FM	Miami FL	91.3
WIKY-FM	Evansville, Ind.		WJMT-FM	Merrill WI	93.5	WKSJ-FM	Mobile, AL	94.9	WLRS	Whitehall, MI	92.3
WILF-FM	St. Louis, MO	92.3	WJMU	Decatur, Ill.	89.9	WKSJ-FM	Mobile, AL	94.9	WLRS	Louisville, KY	105.3
WILE-FM	Cambridge, O.		WJNJ-FM	Atlantic Beach, Fla.	104.9	WKSJ-FM	Mobile, AL	94.9	WLRS	Champan, Ill.	92.7
WILG-FM	Frankfort, Ind.		WJNL-FM	Johnstown PA	96.5	WKSJ-FM	Mobile, AL	94.9	WLSD-FM	Big Stone Gap VA	94.5
WILH-FM	Williamsport PA	105.1	WJNO-FM	Palm Beach FL	97.9	WKSJ-FM	Mobile, AL	94.9	WLSE-FM	Wallace NC	93.3
WILS-FM	Lansing, Mich.		WJNR	Iron Mt. MI	103.9	WKSJ-FM	Mobile, AL	94.9	WLSM-FM	Louisville, Miss.	
WIMA-FM	Lima, Ohio		WJNS	Yazoo City, MS	92.1	WKSJ-FM	Mobile, AL	94.9	WLSR	Lima, Ohio	104.9
WIMI	Ironwood, MI	99.7	WJOF	Athens AL	104.3	WKSJ-FM	Mobile, AL	94.9	WLST	Marinette, WI	95.1
WIMK-FM	Ft. Myers, Fla.	97.5	WJOI	Pittsburgh, PA	93.7	WKSU-FM	Kent, Ohio	95.7	WLSU	La Crosse, Wis.	88.9
WIOA	Mayaguez, PR	99.9	WJOJ	Pleasant MS	106.3	WKSV-FM	Cleveland, OH	105.9	WLTA	Scottsdale, Ariz.	103.9
WIOB	San Juan, PR	99.9	WJOK	Miami FL	106.3	WKTB	Tarboro, NC	104.3	WLTA	Atlanta, GA	99.7
WIOC	Ponce, PR	105.1	WJQX-FM	Jackson, MI	106.1	WKTG	Madisonville KY	93.9	WLTC	Waycross, Ga.	102.5
WIRO	FM Norfolk VA	89.5	WJPA-FM	Washington, PA	95.3	WKTI	Milwaukee, WI	94.5	WLTL	La Grange, Ill.	88.1
WIOF	Waterbury-Hartford CT	104.1	WJPD	Ishpeming MI	82.3	WKTJ-FM	Farmington ME	99.3	WLTR	Columbia, SC	91.3
WIOG	Saginaw, MI	106.3	WJQL-FM	Fredonia, NY	88.9	WKTJ-FM	Farmington ME	99.3	WLUF	Gouverneur, NY	92.7
WIOH	Hempstead, NY	99.3	WJRF-FM	Detroit, MI	96.3	WKTJ-FM	Farmington ME	99.3	WLUG	Chicago, IL	97.9
WIOQ	Philadelphia, PA	102.1	WJRH	Easton, PA	90.5	WKTJ-FM	Farmington ME	99.3	WLUV	Lexington, Va.	92.5
WIoT	Toledo OH	104.7	WJRI	Jamestown, KY	104.9	WKTJ-FM	Farmington ME	99.3	WLUV-FM	Love Park, Ill.	
WIOV	Ephrata, Pa.	105.1	WJRZ	Ship Bottom, NJ	100.1	WKTJ-FM	Farmington ME	99.3	WLW	Chicago, IL	88.7
WIOZ	Southern Pines NC	107.1	WJSC-FM	Johnson VT	91.5	WKTJ-FM	Farmington ME	99.3	WLVE	Baraboo, Wis.	94.9
WIPE	Americus GA	94.3	WJSE	Cumberland MD	102.9	WKTJ-FM	Farmington ME	99.3	WLWH	Hartford CT	93.7
WIPR-FM	San Juan, PR	91.3	WJSL	Houghton NY	90.3	WKTJ-FM	Farmington ME	99.3	WLVL	Louisville, Ky.	
WIPF	Fort Wayne, IN	89.1	WJSM-FM	Martinsburg, PA	92.7	WKTJ-FM	Farmington ME	99.3	WLVM	Columbus, Oh.	96.3
WIQB	Ann Arbor, MI	102.9	WJSN-FM	Jackson, KY	97.7	WKTJ-FM	Farmington ME	99.3	WLVR-FM	Bethlehem PA	91.3
WIQH	Concord, Mass.	88.3	WJST	Jackson, MS	90.7	WKTJ-FM	Farmington ME	99.3	WLVS	Erica, Pa.	99.9
WIQI-FM	Covington VA	100.9	WJSR	Birmingham, AL	91.1	WKTJ-FM	Farmington ME	99.3	WLVA	Fairfield, Oh.	94.9
WIRB-FM	Enterprise AL	96.9	WJSV	Morristown, N.J.	104.9	WKTJ-FM	Farmington ME	99.3	WLVB	Tallahassee FL	94.9
WIRK-FM	West Palm Beach, Fla.	107.9	WJUL	Lowell, MA	91.5	WKTJ-FM	Farmington ME	99.3	WLVC	Elmira, NY	94.3
WIRN	Virginia MN	107.1	WJVM	Sterling, IL	94.3	WKTJ-FM	Farmington ME	99.3	WLVI	Montgomery AL	92.3
WIRQ	Rochester, NY	90.9	WJVS	Cincinnati, OH	88.3	WKTJ-FM	Farmington ME	99.3	WLVS	Hamilton, OH	96.5
WIRX	St. Joseph, MI	107.1	WJWF	Columbus MS	103.1	WKTJ-FM	Farmington ME	99.3	WLXN	Lexington, N.C.	94.1
WISM-FM	Madison, Wis.		WJWJ	Tampa, FL	104.9	WKTJ-FM	Farmington ME	99.3	WLXR	La Crosse, WI	104.9
WISS-FM	Berlin WI	102.3	WJZZ	Detroit, MI	105.9	WKTJ-FM	Farmington ME	99.3	WLYF	Miami, Fla.	101.5
WISU	Terre Haute, Ind.		WKAD	Canton PA	100.1	WKTJ-FM	Farmington ME	99.3	WLYK	Milford-Marlinton OH	107.1
WITA-FM	San Juan, P.R.		WKAI-FM	MaComb, Ill.		WKTJ-FM	Farmington ME	99.3	WLYN	Lynn, MA	101.7
WITB-FM	Salem, WV	91.1	WKAJ-FM	Saratoga Springs, N.Y.	102.3	WKTJ-FM	Farmington ME	99.3	WLYQ	Norwalk, CO	95.9
WITC	Cazenovia, NY	99.9	WKAQ-FM	San Juan, P.R.		WKTJ-FM	Farmington ME	99.3	WLYT	Cleveland Heights OH	92.3
WITF-FM	Hershey, Pa.	89.5	WKAR-FM	E. Lansing, Mich.		WKTJ-FM	Farmington ME	99.3	WLYX	Memphis TN	89.3
WITH-FM	Baltimore MD	104.3	WKAU-FM	Kaukauna WI	104.9	WKTJ-FM	Farmington ME	99.3	WMAJ-FM	State College, Pa.	
WITL-FM	Lansing, Mich.		WKAY-FM	Glasgow, Ky.		WKTJ-FM	Farmington ME	99.3	WMAL-FM	Washington, D.C.	
WITO	Ironton OH	107.1	WKBB	West Point, MS	100.9	WKTJ-FM	Farmington ME	99.3	WMAR-FM	Baltimore, Md.	106.5
WITR	Henrietta, NY	89.7	WKBB-FM	West Point, MS	100.9	WKTJ-FM	Farmington ME	99.3	WMAS-FM	Springfield, MA	94.7
WITT	Tuscola, IL	93.5	WKBJ-FM	Milan, Tenn.		WKTJ-FM	Farmington ME	99.3	WMAZ-FM	Macon, Ga.	
WITW	Gaslight, WI	96.7	WKBL-FM	Covington, Tenn.		WKTJ-FM	Farmington ME	99.3	WMBG	Williamsburg, Va.	96.5
WITZ-FM	Jasper, Ind.		WKBN-FM	Youngstown, Ohio		WKTJ-FM	Farmington ME	99.3	WMBI-FM	Chicago, Ill.	
WIUC	Winchester, Ind.		WKCB-FM	Hindman, KY	107.1	WKTJ-FM	Farmington ME	99.3	WMBJ	Danville, IL	102.1
WIUJ	St. Thomas, VI	88.9	WKCC	Grayson, KY	91.5	WKTJ-FM	Farmington ME	99.3	WMBL-FM	Morhead City NC	95.9
WIUP-FM	Indiana, Pa.	91.3	WKCD	Hamden CT	101.3	WKTJ-FM	Farmington ME	99.3	WMBN-FM	Petoskey, Mich.	
WIUS	Christiansed, V.I.		WKCE-FM	N. Wilkesboro, N.C.		WKTJ-FM	Farmington ME	99.3	WMBW	Chattanooga TN	86.9
WIUY	Castleton, VT	91.3	WKCF-FM	Winchester, KY	100.1	WKTJ-FM	Farmington ME	99.3	WMC-FM	Memphis, Tenn.	
WIVA-FM	Agulilla, P.R.	100.3	WKDN-FM	Camden, N.J.	105.5	WKTJ-FM	Farmington ME	99.3	WMCB-FM	Michigan City, Ind.	
WIVC	Peoria, Ill.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Etowah, TN	103.3
WIVE-FM	Ashland, Va.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stattersboro, Ga.	
WIVL-FM	Cristiansted, St. Croix, V.I.		WKDE	Akron, OH	96.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIVK-FM	Knoxville, Tenn.		WKDF	Peru, IL	105.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIVQ	Peru, IL	100.9	WKDG	Nashville, TN	106.3	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIVR	Jacksonville, Fla.		WKDJ	Winchester, KY	100.1	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIXK-FM	New Richmond, Wis.	107.1	WKDN-FM	Camden, N.J.	105.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIXL-FM	Newton, N. J.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIXN-FM	Dixon, Ill.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIXO	McComb MS	105.7	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIXQ	Millersville, PA	91.7	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIXR	Green Hurdy, WI	101.1	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIYD-FM	Palatka FL	99.9	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIYQ	Ebensburg PA	99.1	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIZM-FM	La Crosse, WI	93.3	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WIZR-FM	Johnstown, N.Y.	104.9	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAC-FM	Johnstown PA	95.5	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAD	Bainbridge, GA	97.3	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAE-FM	Norfolk, NE	106.7	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAE	Eaton, OH	98.9	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAG	Marianna, FL	100.9	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAT-FM	Swainsboro, Ga.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAX-FM	Jacksonville, Fla.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJAZ	Albany, Ga.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJBD-FM	Salem IL	100.1	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJBF	Clarksville MS	101.7	WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJBG-FM	Detroit, Mich.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJBL-FM	Holland, Mich.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJBN-FM	Jerseyville, Ill.		WKDD-FM	Liberty, KY	90.5	WKTJ-FM	Farmington ME	99.3	WMCQ	Stuart, Fla.	
WJBO-FM	Searborough, ME		WKDD-FM								

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WMHC	South Hadley, Mass.		WNUU-FM	Dekalb, Ill.	89.5	WPAT-FM	Paterson, N.J.	92.5	WQLT	Florence, AL	107.3
WMHO	Tolono, Ohio		WNJO-FM	Senobia, Miss.	90.1	WPAH-FM	Portsmouth, Ohio		WQLX	Galion, OH	102.3
WMHK	Columbia, SC	89.7	WNKO	Newark, OH	101.7	WPCC-FM	Paterson, N.J.	92.9	WQMC	Charlottesville, VA	95.3
WMHR	Syracuse, N.Y.	102.9	WNKR	Falmouth, KY	95.3	WPCH-FM	Portsmouth, OH	105.9	WQMF	Babylon, N.Y.	
WMHS	Morrison, IL	90.7	WNLH-FM	Indianola, Miss	105.5	WPCH-FM	Portsmouth, OH	105.9	WQMG	Greensboro, N.C.	
WMHT-FM	Schneetady NY	69.1	WNMB	M. Myrtle Beach SC	105.5	WPCD	Champaign, IL	88.7	WQMT	Chatsworth, GA	99.3
WMHW-FM	Mt. Pleasant MI	91.5	WNMC-FM	Traverse City MI	90.9	WPCH	Deatur GA	94.9	WQMU	Indiana, Pa.	103.1
WMIC-FM	Sandusky, Mich.		WNMU-FM	Marquette, MI	90.1	WPCR-FM	Plymouth NH	90.3	WQMV	Vicksburg, Miss.	
WMK	Wadlesboro, Ky.	92.7	WNNO-FM	Canton, N.J.	107.7	WPCN	Eu-lington NC	101.1	WQNZ	Natchez-Vidalia MS	95.1
WMIL	Waukesha, WI	106.1	WNNO-FM	Wisconsin Dells, WI		WPCN	Pensacola, Fla.	89.3	WQOD	Youngstown OH	93.3
WMIT	Black Mountain, N.C.					WPDF	Port Jervis, NY	101.5	WQON	Grayling, MI	100.1
WMIV	S. Bristol, N.Y.		WNNT-FM	Warsaw, Va.		WPDF	Port Jervis, NY	101.5	WQOX	Memph, TN	88.5
WMIX-FM	Mt. Vernon, Ill.		WNOB	Cleveland, Ohio		WPDF	Port Jervis, NY	101.5	WQPM-FM	Princeton, MN	106.3
WMJC	Birmingham, MI	94.7	WNOE-FM	New Orleans, La.		WPDF	Port Jervis, NY	101.5	WQPO	Harrisonburg, VA	100.7
WMJM-FM	Cordele, Ga.	98.3				WPEA	Exeter NH	90.5	WQQQ	Easton PA	99.9
WMJQ	Rochester, NY	92.5	WNOF	St. Paul, Minn.	101.1	WPEG	Concord, N.C.	97.9	WQQA	Warrenton VA	94.3
WMJS	Prince Frederick MD	92.7	WNOI	Flora, IL	103.9	WPEH-FM	Louisville, GA	92.1	WQRB	Pittsfield, Mass.	
WMJW	Nanticoke PA	92.1	WNOK-FM	High Point, N.C.		WPEL-FM	Montrose, Pa.		WQRC	Barnstable, MA	99.9
WMJX	Miami, FL	96.3	WNON	Lebanon, Ind.		WPEF-FM	Greensboro NC	98.7	WQRH	Wisconsin Dells WI	107.1
WMKC	Oshkosh, Wis.		WNOR-FM	Norfolk, Va.		WPEZ	Pittsburgh PA	94.5	WQRK	Norfolk, Va.	104.5
WMKY	Morehead, Ky.	90.3	WNOY	Cortland NY	99.9	WPFK	Los Angeles, Cal.		WQRW	West Carrollton, OH	88.1
WMLD	Manati PR	96.0	WNPQ	New Philadelphia, Ohio	95.9	WPFL	Winter Park, FL	88.9	WQRS-FM	Detroit, Mich.	
WMLN-FM	Milton, MA	91.5				WPFM	Panama City FL	107.9	WQT	Benton IL	106.3
WMLP-FM	Milton, Pa.		WNRC	Dudley, MA	91.1	WPFR	Terre Haute, Ind.	102.7	WQSB	Albertville, Ala.	
WMLS-FM	Sylva, Ala.	98.3	WNRE	Circleville, O.	107.1	WPFM	Washington, DC	89.3	WQSI	Union Springs, AL	100.9
WMLW	Grand Rapids, MN	101.3	WNRR-FM	Grundy, Va.		WPGA-FM	Perry, Ga.		WQSM	Fayetteville, N.C.	98.1
WMMC	N. Andover MS	90.5	WNSB	Bellevue OH	92.1	WPGC-FM	Baldensburg, Md.	95.5	WQSJ	Sarasota, FL	102.5
WMMG	Bradenton, KY	93.5	WNSB	Norfolk VA	91.1	WPGI	Pittsburgh, Pa.		WQST	Forest, Miss.	
WMMR	Philadelph, Pa.		WNSS	Cincinnati OH	90.1	WPGM-FM	Danville, Pa.	96.7	WQSU	Selingsgrove PA	88.9
WMMS	Cleveland, O.	100.7	WNSL-FM	Laurel, Miss.		WPGT	Roanoke Rapids NC	90.1	WQTC-FM	Two Rivers, Wis.	
WMNA-FM	Gretna, Va.		WNTE	Mansfield, Pa.	89.5	WPGU	Urbana, Ill.		WQTE	Adrian, MI	95.3
WMNB-FM	North Adams, Mass.		WNTI	Hackettstown, N.J.		WPGW	Portland IN	100.9	WQTU	Dunn, N.C.	103.1
WMNF	Tampa FL	89.5	WNTQ	Syracuse, NY	93.1	WPHD	Buffalo, NY	103.3	WQTQ	Hartford CT	88.3
WMNR	Monroe CN	88.1	WNUB-FM	Northfield, Vt.		WPHF	Wheeling, WV	91.9	WQRJ	Rome, GA	102.3
WMOA-FM	Marietta, OH	94.3	WNUR	New Kensington PA	100.7	WPHG	Warren, Mich.		WQUD	Memphis, TN	104.5
WMOR-FM	Morehead, Ky.	92.1	WNUS	Evansville, IN	89.3	WPHM	Sharon, Pa.		WQUE	New Orleans LA	93.3
WMOS	Bath, ME	91.5	WNUT	St. Matthews KY	103.1	WPI	Titusville, FL	89.9	WQUH	DeFuniak Springs FL	103.1
WMOT	Murfreesboro, Tenn.	89.5	WNVA-FM	Norton Va.	102.5	WPI-FM	Pittsburgh, Pa.		WQUT	Johnson City, Tenn.	101.5
WMPG	Cornwall, ME	91.1	WNYC-FM	New York, N.Y.	106.3	WPX-FM	New York, N.Y.		WQVK	State College, Pa.	96.7
WMPH	Wilmington, Del.	91.7	WNYE	New York, N.Y.		WPJ-FM	Providence, R.I.		WQWQ-FM	Muskegon, Mich.	
WMPJ	Scottsburg, Ind.		WNYW	Canal Fulton, OH	90.9	WPJ	Burgaw-Wilmington NC	99.9	WQXA	York Pa.	104.5
WMPN	Hancock, MI	93.5	WNYX-FM	Norway, Me.	105.5	WPJS	Orangeburg, SC	106.7	WQXB	Grenada MS	100.1
WMPD-FM	Middleport OH	92.1	WNYZ-FM	Portsmouth OH	99.3	WPKN	Bridgeport, Conn.	89.5	WQXC	Elizabethtown, Ky.	106.3
WMPR	Sumter SC	88.1	WNYU-FM	New York NY	89.1	WPKY-FM	Princeton, Ky.	104.9	WQXI-FM	Smyna, Ga.	
WMPY-FM	South Williamsport, Pa.	99.3	WNYW	Canal Fulton, OH	90.9	WPLB-FM	Greenville, MI	107.3	WQXM	Clearwater-St. Petersburg FL	87.9
WMQT	Ishpeming, MI	107.1	WOAB	Ozark AL	104.9	WPLC	Plantation Key, Fla.	95.5	WQY-FM	Minisun MI	98.3
WMRA	Harrisonburg, Va.	91.1	WOAI-FM	San Antonio, TX	97.3	WPLM-FM	Plymouth, Mass.		WQXB	York, Pa.	101.9
WMRF-FM	Lewistown, Pa.		WOAK	Royal Oak, Mich.	95.5	WPLN	Nashville, Tenn.		WQXC	New York, N.Y.	
WMRI-FM	Marion, Ind.		WOAL	Davos, Mich.	95.5	WPLR	Nashville, Tenn.		WQXD	Morgantown, NC	92.1
WMRN-FM	Marion, Ohio		WOAY-FM	Oak Hill, W. Va.		WPLS	New Haven, CT	99.1	WQXY-FM	Baton Rouge, La.	
WMRS	Brookhaven, MS	92.1	WOBC	Oberlin, O.		WPLZ	Petersburg VA	99.3	WYK-FM	St. Petersburg, Fla.	99.5
WMRT	Marion, OH	88.3	WOBM	Toms River, N.J.		WPM	Westerville, Ohio		WQYT	Binghamton, NY	88.1
WMRV	Endicot, N.Y.	105.5	WOBV-FM	Wanchese NC	95.3	WPMA	Pascatoula, MS	99.1	WQZD	Dubuque, IA	95.9
WMRY	E. St. Louis, Ill.		WOBN	Westerville, Ohio		WPNE-FM	Chilton WI	88.3	WRAD-FM	Radford, Va.	
WMSB	Mississippi State, MS	89.1	WOBT-FM	Yarmouth, Mass.	90.1	WPNH-FM	Plymouth, NH	100.1	WRAF-FM	Carrollton, Ala.	
WMSD	Upper Montclair, NJ	105.5	WOCH-FM	North Vernon, Ind.		WPNN	Ottawa, OH	106.3	WRAJ-FM	Anna, Ill.	
WMSG-FM	Oakland, Md.		WOCN-FM	Miami Beach, Fla.	94.9	WPNR-FM	Utica, NY	90.7	WRAL	Raleigh, NC	101.5
WMSH-FM	Elizabethtown, Pa.		WOCO	Oconto, Wis.	107.1	WPOB	Plainville, MD	88.5	WRAR-FM	Tappanhamock, Va.	
WMSK-FM	Morganfield, Ky.		WOCR	Olivet, MI	89.7	WPOD	Baltimore, MD	93.1	WRAS	Warrenton, Ore.	88.5
WMSR	Harrisburg, Pa.		WODL-FM	Elton, MD	88.3	WPOK-FM	Pontiac, Ill.	103.1	WRAY-FM	Princeton, Ind.	91.7
WMSR-FM	Manchester, Tenn.		WOLF	Wolfeboro, N.H.	91.3	WPOL	Gaylord MI	95.3	WRBB	Boston, Mass.	103.9
WMSY-FM	Marion, MS	91.1	WOFM	Greenwood, Tenn.		WPPA-FM	Pottsville, Pa.		WRPI	Batesville, IN	103.9
WMT-FM	Cedar Rapids, Ia.	98.5	WOGM	Bellefontaine, O.	98.3	WPLP	Blue Ridge, Ga.	103.9	WRBJ-FM	St. Johns, Mich.	101.9
WMTB	Emmitsburg, MD	89.9	WOHS-FM	Shelby, N.C.		WPLR	Blue Ridge, Ga.	103.9	WRBK	New Bern, NC	101.9
WMTF	Stowe, VT	91.5	WOI-FM	Ames, Iowa		WPB	Plainville, MD	88.5	WRBN-FM	Warner Robins, Ga.	101.7
WMTJ-FM	Park Ridge, Ill.		WOIV	De Ruyter Twp., NY	105.1	WPR	Prairie du Chien, Wis.	94.3	WRBR	South Bend, Ind.	
WMTL-FM	Leitchfield, Ky.		WOJO	Evansville IL	105.1	WPRM-FM	San Juan, P.R.	98.5	WRBS	Baltimore, Md.	
WMTM-FM	Moultrie, Ga.		WOKE-FM	Douglas, Ga.	106.7	WPRN-FM	New Providence, R.I.	100.1	WRCC	Cape Coral, FL	103.9
WMTS-FM	Murfreesboro, Tenn.		WOKD	Acadia, La.	98.3	WPRP	Princeton, N.J.	98.5	WRCH-FM	New Britain, Conn.	
WMUA	Amherst, Mass.		WOKF	Clearwater, FL	95.7	WPS	Paul Smith's NY	89.1	WRCL	Midland, MI	100.5
WMUB	Oxford, Ohio		WOKI-FM	Oak Ridge-Knoxville TN	100.3	WPSI	Lehman, PA	89.1	WRCM	Jacksonville, N.C.	93.5
WMUH	Allentown, Pa.		WOKN	Goldsboro NC	102.3	WPSR	Franklin, NJ	97.5	WRCN-FM	Riverhead NY	105.9
WMUK	Kalamazoo, Mich.		WOKQ	Dover-Portsmouth NH	97.5	WPSX	Essexville, Ind.	90.3	WRCO-FM	Richland Center, Wis.	
WMUL	Huntington, W. Va.		WOKR-FM	Alton, Ill.	107.7	WPT	Paterson, N.J.	90.3	WRCR	Rushville, Ind.	94.3
WMUM	Marathon, FL	94.3	WOLA-FM	Carolina, P.R.	107.7	WPTD	Warrenton, Ore.	90.3	WRCR-FM	Ashokis, N.C.	99.3
WMUN	Maize, Ind.		WOLF	Princess Anne, MD	102.5	WPTG	Lancaster, PA		WRCT	Pittsburgh, PA	88.3
WMUU-FM	Greenville, S. C.		WOLD-FM	Marion, Va.		WPTH	Fort Wayne, Ind.		WRD	Richmond, Va.	92.1
WMUZ	Detroit, Mich.		WOMC	Detroit, Mich.	104.3	WPTJ	Roanoke Rapids, NC		WRDL	Ashland, O.	89.5
WMVA-FM	Martinsville, Va.		WOMP-FM	Bellaire, Ohio		WPTK	Greenville, S.C.	102.3	WRDN-FM	Durant WI	95.9
WMVB-FM	Millville, N.J.		WONF-FM	Winona, MS	96.7	WPTN-FM	Cookeville, Tenn.		WRDR	Egg Harbor, N.J.	104.9
WMVG-FM	Milldegreene, Va.		WONP-FM	Winona, Minn.	89.1	WPUB-FM	Piqua, Ohio	94.3	WRDQ	Richmond, Va.	98.3
WMVO-FM	Mt. Vernon, O.	93.7	WONO-FM	Syracuse, N.Y.		WPU	Uniontown, Pa.	98.5	WRD	Asheboro, N.C.	98.5
WMWA	Glensville, OH	88.9	WONT	Oneonta, NY	103.1	WPUA	Americanus GA	97.7	WRD-FM	Ashtabula, Ohio	
WMW	Salem, MA	91.7	WONY	Oneonta, NY	90.9	WPUV-FM	Pulaski, Va.		WRES	Troy, AL	105.7
WMXM	Lake Forest IL	88.9	WOOA	Goulds, FL	98.3	WPGA-FM	Petersburg VA	95.3	WREZ	Montgomery, AL	103.3
WMYB-FM	Myrtle Beach, Fla.		WOOD-FM	Grand Rapids, MI		WPB	Huntingdon, TN	100.9	WRFB	Stowe, VT	101.7
WMYK	Elizabeth City NC	93.7	WOOO	Statesville, NC	96.7	WPC	St. George, S.G.	95.9	WRFG	Aquad, PR	105.5
WMYR-FM	Ft. Myers, Fla.		WOOF-FM	Dothan AL	98.3	WPDA	Philadelphia, Pa.		WRFG-FM	Atlanta GA	91.9
WMYS	New Bedford, MA	98.1	WOOR	Oxford, Miss.	97.5	WPDE	Philadelphia, Pa.		WRFL	Richmond VA	106.5
WMZQ	Washington, DC	98.7	WOPA-FM	Oak Park, Ill.		WPDI	Pittsburgh, Pa.		WRFL-FM	Winchester, VA	92.5
WNAA	Greensboro, NC	90.5	WOPR	Oak Park, MI	90.3	WPDX-FM	Starke FL	106.3	WRFM	New York, NY	105.1
WNAN	Demopolis, AL	106.3	WOPP	Ponce PR	93.3	WPX	Charleston SC	95.1	WRFN	Nashville TN	88.1
WNAP	Indianapolis, Ind.	93.1	WORB	Farlington Hills, MI	90.3	WPX	Rochester, NY	97.9	WRFR	Franklin NC	96.7
WNAS	New Albany, Ind.		WORF-FM	Orangeburg, SC	103.9	WPY	Phillipi, NH	91.3	WRFS-FM	Alexander City, AL	108.1
WNAT-FM	Natchez, Miss.		WORJ-FM	Mt. Dora, Fla.	107.7	WQ	Cleveland, OH	104.1	WRFT	Indianapolis, IN	91.5
WNBA	Huntsville, Ala.	103.3	WORM	Barre, VT	107.1	WQA	Hamden CT	88.7	WPF	River Falls, WI	
WNBY-FM	Annapolis, Md.		WORM-FM	Savannah, Tenn.		WQB	Parkersburg, WV	103.1	WPF-FM	Reading, Pa.	102.5
WNCA	Charlotte, NC	101.3	WORO	Corozal, P.R.	92.5	WQB	Charleston, WV	97.5	WPF-FM	Naples FL	93.5
WNCF	Worthington-Columbus, O.		WORQ	Madison, WI	89.7	WQBK-FM	Rensselaer NY	103.9	WRGT-FM	Clarksburg WV	106.5
WNCR	New York, NY	104.3	WORW	Port Huron MI	91.9	WQB	Kinston, NC	97.7	WRH	Roanoke VA	102.3
WNCO-FM	Ashland OH	101.3	WORX-FM	Madison, Ind.		WQC	Halfway, MD	96.7	WRHL-FM	Rochelle IL	102.3
WNCS	Montpelier, VT	96.7	WOSH	Oshkosh, WI	103.9	WQR	Burlington VT	98.			

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WRLO-FM Antigo, WI		104.9	WSHU Fairfield, CT		91.1	WTJM Pineville KY		106.3	WVGR Grand Rapids, Mich.		104.1
WRM Huntington, PA		106.3	WSHV South Hill VA		105.5	WTJU Charlottesville, Va.			WVGS Statesboro, GA		91.3
WRLS Haywood, Wis.		92.1	WSHY-FM Shelbyville, Ill.		104.9	WTKM-FM Hartford WI		104.9	WVHC Hempstead, N.Y.		
WRMX Auburn NY		108.9	WSID-FM Baltimore, Md.			WTKY-FM Tompkinsville, Ky.			WVHF-FM Clarksburg, WV		92.7
WRMB Boynton Beach FL		89.3	WSIE Edwardsville, Ill.		88.7				WVHG La Belle FL		92.1
WRMC-FM Middlebury, VT		91.7	WSIF Wilkesboro, NC		90.1	WTLB-FM Utica, NY		107.3	WVHI Evansville, Ind.		
WRMF-FM Titusville, Fla.		98.3	WSIN Red Bank TN		94.3	WTLN Indianapolis, Ind.		95.3	WVHP-FM Highland Park NJ		90.3
WRMS-FM Beardstown, IL		94.3	WSIO-FM Parisville, Ky.			WTLR State College-Bellefonte PA		89.9	WVIA-FM Scranton PA		89.9
WRMU Alliance, Ohio		91.1	WSIU Carbondale, Ill.						WVIC-FM E. Lansing, Mich.		95.3
WRMZ Columbus OH		99.7	WSIV-FM Pekin, Ill.			WTMB-FM Tomah, WI		98.9	WVJK Rock Island IL		88.5
WRNE Houlton, ME		89.1	WSIX-FM Nashville, Tenn.			WTME Manning SC		92.1	WVJM-FM Goldwater, MS		95.3
WRNN-FM Clare, MI		95.3	WSJC-FM Magee, Miss.			WTMI Miami, Fla.		93.1	WVIN-FM Hammondspert, NY		98.3
WRNO New Orleans, LA		99.5	WSJG Hallandale, Fla.			WTMO Tishomingo, Miss.		88.9	WVIP-FM Mount Kisco, N.Y.		
WRNS Kingston, NC		95.1	WSKB Westfield, MA		91.5	WTNF Ridgway, PA		94.3	WVIS Frederiksted VI		106.7
WRNW Mt. Kisco NY		107.1	WSKG-FM Binghamton, NY		89.3	WTNC-FM Thomasville, N.C.			WVJC Mt. Carmel IL		89.1
WROA-FM Gulfport, MS		107.1	WSKP-FM Sebring FL		105.5	WTNQ Dickson, TN		102.3	WVJP-FM Caguas, P.R.		
WROF Neenah-Menasha WI		94.3	WSKV Stanton, KY		104.9	WTNS-FM Coshocton, O.			WVJS-FM Owensboro, Ky.		
WROI Rochester, IN		92.1	WSKZ Chattanooga TN		105.5	WTNT-FM Tallahassee, Fla.			WVKG-FM Galesburg, Ill.		94.7
WROOM-FM Rome, GA		97.7	WSLE Peterborough NH		92.1	WTOC-FM Savannah, Ga.			WVKK-FM Columbus, OH		91.5
WROC Charlotte NC		95.1	WSLI-FM Jackson, Miss.			WTOO-FM Toledo, Ohio		98.5	WVKR-FM Poughkeepsie, NY		91.3
WROB Boston, Mass.		98.5	WSLM-FM Salem, Ind.			WTOH Canton, OH		90.1			
WROW-FM Albany, NY		95.5	WSLN Delaware, Ohio			WTOH Mobile AL		90.5			
WRPC San German, PR		95.1	WSLQ Roanoke VA		99.1	WTOO-FM Bellefontaine, OH		98.3			
WRPI Troy, NY		95.1	WSLT-FM Ocean City NJ		106.3	WTOF-FM Columbus, Ga.		107.1			
WRPM-FM Poplarville, MS		107.9	WSLU Canton, N.Y.			WTPA-FM Harrisburg, Pa.		89.7			
WRPN-FM Ripon, WI		90.1	WSLX New Canaan, CT		91.9	WTPC Elsie, Ill.		89.7			
WRPS Rockland, MA		91.5	WSLY York, AL		99.3	WTPM Aquadilla, P.R.		92.9			
WRQR Farmville, NC		94.3	WSM-FM Nashville, Tenn.		95.5	WTRF Boston, MA		100.7			
WRR-FM Dallas, TX		101.1	WSMD-FM Collegegate, Tenn.			WTRQ Winston-Salem NC		104.1			
WRRC Radford VA		99.9	WSME-FM Sanford, ME		92.1	WTRX-FM Salma AL		100.9			
WRRG River Grove, IL		88.9	WSMH-FM Lancaster, NY		89.9	WTRF-FM Greensburg, Ind.		107.5			
WRRF Franklin Lakes, NJ		88.7	WSMI-FM Litchfield, Ind.		106.1	WTRH Dannelton, Fla.		102.3			
WRRK Manistee, MI		97.7	WSMJ Greenfield, Ind.			WTRZ Springfield, MA		89.1			
WRRL-FM Rainelle, WV		96.7	WSMM Sault Ste. Marie, MI		99.5	WTSC-FM Brattleboro, VT		96.7			
WRRN Warren, PA		92.3	WSMT-FM Sparks, TN			WTSB-FM Northampton, N.C.					
WRZF-FM Clinton, NC		107.1	WSMU-FM Spartanburg, S.C.			WTSB-FM Burlington, N.C.		91.1			
WRSA Decatur AL		88.9	WSND-FM Starville, MS		106.3	WTSB-FM Burlington, N.C.		91.1			
WRSB Weston MA		96.3	WSNF-FM Notre Dame, IN		104.5	WTSB-FM Burlington, N.C.		91.1			
WRSC-FM Elmhurst, IL		88.7	WSNJ-FM Ridgeway, NJ		107.7	WTSB-FM Burlington, N.C.		91.1			
WRSE Miamisburg, OH		89.9	WSNN Potsdam, NY		99.3	WTSB-FM Burlington, N.C.		91.1			
WRSH Rockingham NC		91.1	WSNT-FM Sandersville, GA		94.3	WTSB-FM Burlington, N.C.		91.1			
WRSJ-FM Bayamon, P.R.		95.9	WSOC-FM Charlotte, NC		103.7	WTSB-FM Burlington, N.C.		91.1			
WRSK-FM Stamford, KY		95.9	WSOE Elon College, NC		89.3	WTSB-FM Burlington, N.C.		91.1			
WRSG-FM Geneseo, IL		104.9	WSOF-FM Madisonville, KY		89.9	WTSB-FM Burlington, N.C.		91.1			
WRST-FM Oshkosh WI		90.3	WSOJ-FM Jesup, Ga.		98.3	WTSB-FM Burlington, N.C.		91.1			
WRSU-FM New Brunswick NJ		89.1	WSOM-FM Salem, Ohio			WTSB-FM Burlington, N.C.		91.1			
WRSV Rocky Mount, NC		92.1	WSOR Fort Myers, Fla.		95.3	WTSU Troy, AL		90.1			
WRSW-FM Warsaw, IN		107.3	WSOU S. Orange, N.J.			WTTA-FM Towanda, Pa.					
WRTC-FM Hartford, CT		89.3	WSOY-FM Decatur, Ill.			WTTT-FM Tiffin, Ohio		100.7			
WRTA-Columbia, SC		95.1	WSPA-FM Spartanburg, S.C.			WTTT-FM Tiffin, Ohio		100.7			
WRTB-FM Hartford, CT		89.3	WSPB-FM Sarasota, Fla.			WTTT-FM Tiffin, Ohio		100.7			
WRTD-FM Hartford, Conn.		89.5	WSPE-FM Philadelphia PA		104.5	WTTT-FM Tiffin, Ohio		100.7			
WRTI-Philadelphia, PA		90.1	WSPJ-FM Ridgeport, NJ		107.7	WTTT-FM Tiffin, Ohio		100.7			
WRTL-FM Rantoul IL		95.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRTM Blountstown, Fla.		93.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRTN New Rochelle, NY		93.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRTV Blountstown, Fla.		102.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUC Schenectady, NY		90.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUF-FM Gainesville, Fla.		90.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUL Carmi, Ill.		97.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUM-FM Rumford, ME		96.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUR Rochester, N.Y.		88.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUT Rutland, VT		97.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUV Burlington, Vt.		89.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRUV-FM Cleveland, O.		90.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVC Norfolk, Va.		90.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVF River Falls, Wis.		97.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVM Suring, Wis.		89.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVO Oswego, N.Y.		89.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVP New York, N.Y.		94.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVQ Richmond VA		91.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRVU Nashville, TN		91.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRWC S. Beloit, Ill.		97.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRWR Port Clinton, Ohio		102.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRXL Richmond VA		95.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRXX Centralia, IL		98.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRYY Crystal River, FL		96.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WRYZ-FM Jupiter, FL		96.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAC-FM Ft. Knox, Ky.		90.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAE-FM Kalamazoo, Mich.		88.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAF-FM Cincinnati, OH		94.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAJ-FM Grove City, Pa.		89.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAK Sullivan IL		106.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAL-FM Logansport, Ind.		107.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAQ Port Huron, MI		93.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSAW-FM Wausau, Wis.		93.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSB-FM Atlanta, Ga.		98.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSBA-FM York, Pa.		98.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSBF-FM Clemson, S.C.		100.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSBI-FM Brunswick, Ga.		100.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSBM Jefferson City, TN		99.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSBU St. Bonaventure, NY		88.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSBZ Springfield, Mass.		90.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCC Somerset, KY		90.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCD-FM Duluth, MN		92.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCB Aurora, Ind.		99.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCJ Charleston, SC		89.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCQ West Columbia, SC		100.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCS Sodas, NY		89.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSCV-FM Berkeley Springs, W.V.		91.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSDH Sandwich, MA		106.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSDO Ft. Lauderdale-Miami FL		106.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSDP Plymouth, MI		89.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSEA Georgetown, Del.		93.5	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSEC Williamston, NC		103.7	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSEF-FM Seneca Falls, N.Y.		99.3	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSEI Oney, Ill.		92.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSEK Somerset, Ky.		92.9	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			
WSEL-FM Pontotoc, Miss.		95.1	WSPK Poughkeepsie, NY		104.7	WTTT-FM Tiffin, Ohio		100.7			

U.S. TV STATIONS BY LOCATION

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WWOD-FM	Lyneburg, Va.		WXBA	Brentwood, NY	88.5	WXYW	Suffolk, Va.		WYZZ	Wilkes-Barre, Pa.	
WWOL-FM	Buffalo, N.Y.		WXBM-FM	Milton, Fla.		WXYX	Bayamon, PR	100.7	WZAK	Cleveland, OH	99.1
WWOM	Albany, NY	100.9	WXCC	Williamson, WV	96.5	WXYW	Wilson, NC	106.1	WZAR	Ponce, P.R.	101.9
WWON-FM	Woodsoket, R.I.		WXCI	Danbury, CT	91.7	WYAK-FM	Surfside Beach		WZAT	Savannah, GA	102.1
WWOO	Avalon, NJ	94.3	WXDR	Newark, DE	91.3		Garden City, SC	103.3	WZBC	Newton, MA	90.3
WWOZ	New Orleans, LA	90.7	WXEZ	Sylvania, OH	105.5	WYAN-FM	Upper Sandusky, NY		WZBT	Gettysburg, PA	90.3
WWPH	Princeton Junction, NJ	90.3	WXFM	Elmwood Park, IL	88.9	WYBC-FM	New Haven, CT	94.3	WZDC	Soddy-Daisy, TN	102.3
WWPT	Westport, CN	80.3	WXGC	Milledgeville, GA	94.7	WYBR	Belvidere, IL	104.9	WZDD	Soddy-Daisy, TN	102.3
WWPV-FM	Colchester, VT	88.7	WXID	Mayfield, KY	95.1	WYCE	Warwick, R.I.		WZEE	Madison, WI	104.1
WWQC	Quincy, IL	90.3	WXIL	Parkersburg, WV	103.9	WYCH	Hamilton, OH	103.5	WZEP-FM	DeFuniak Springs, Fla.	92.9
WWQM-FM	Middletown, WI	106.3	WXIS	Erwin, Tenn.	93.5	WYCR	York-Hanover, Pa.		WZFC	Charlestown, W. Va.	92.9
WWRJ	Southampton, NY	95.3	WXKE-FM	Fort Wayne, IN	103.9	WYFM	Sharon, PA	104.7	WZGD	Atlanta, GA	95.7
WWRK	Elberton, GA	92.1	WXKW	Allentown, Pa.	104.1	WYER-FM	Mount Carmel, IL	94.9	WZID	Manchester, NH	96.7
WWRM	Gaylord, MI	106.7	WXKX	Pittsburgh, PA	96.1	WYEN	Des Plaines, Ill.	106.7	WZLD	Cayce, SC	96.7
WWSE	Jamestown, NY	93.3	WXLE	Abbeville, AL	94.3	WYEP-FM	Pittsburgh, PA	91.5	WZLE	Lorain, OH	104.9
WWSH	Philadelphia, Pa.	106.1	WXLI-FM	Dublin, Ga.	97.3	WYFE	Elkhart, IN	100.7	WZLY	Wellesley, MA	91.5
WWSL	Philadelphia, MS	102.3	WXLO	Savannah, Ga.	96.7	WYFE-FM	Winnebago, IL	95.3	WZMF	Menomonee Falls, Wis.	
WWSM	Bay Minette, AL	105.5	WXLP	Moline, IL	96.9	WYFK	Norfolk, Va.	102.9	WZND	Zeeland, Mich.	99.3
WWSF	Stevens Pt., WI	89.9	WXLS	Willimantic, CT	92.3	WYGO-FM	Corbin, Ky.	95.9	WZOK	Rockford, IL	97.5
WWSR	St. Albans, VT	102.3	WXMN	Monticello, ME	89.5	WYII	Williamsport, MD	95.9	WZOT	Rockmart, Ga.	107.1
WWSZ-FM	Wooster, OH	104.5	WXNC	Henderson, NC	92.5	WYLD-FM	New Orleans, LA	98.5	WZOW	Goshen, IN	97.7
WWSU	Dayton, OH	88.5	WXOS	Plantation Key, Fla.	100.3	WYLR-FM	Glens Falls, NY	95.9	WZPR	Meadville, Pa.	100.3
WWTR-FM	Bethany Beach, DE	95.9	WXPN	Philadelphia, Pa.	105.5	WYMS	Milwaukee, WI	88.9	WZRD	Chicago, IL	88.3
WWTN-FM	Cadillac, Mich.		WXQR	Jacksonville, N.C.	105.5	WYNF	Tampa, FL	94.9	WZRO	Pekin, IL	104.9
WWTW	Corinth, Miss.		WXRA	Woodbridge, Va.	95.7	WYNN-FM	Baton Rouge, La.	101.5	WZTA	Tamapaqua, VA	105.5
WUWH	W. Hartford, CT	91.3	WXRC	Hickory, NC	104.1	WYNN	New York, NY	97.1	WZUL	F.M. Milwaukee, WI	95.7
WVVR	Terre Haute, Ind.		WXRJ	Norfolk, Va.		WYON	Grand Rapids, Mich.	97.1	WZVS-FM	Vicques, PR	93.5
WWWB-FM	Jasper, AL	102.5	WXRO	Beaver Dam, WI	95.3	WYOO-FM	Richfield, MN	101.3	WZZK	Kokomo, IN	93.5
WWWJ	Johnstown, OH	103.1	WXRT	Chicago, Ill.	93.1	WYOR	Coral Gables, Fla.	101.5	WZZR	Gastonia, NC	101.9
WWWL	Miami Beach, FL	93.9	WXRY-FM	Columbia, S.C.	93.5	WYPC	Gallipolis, OH	101.5	WZZR	Memphis, TN	102.7
WWWM	Cleveland, OH	105.7	WXTC	Greensboro, N.C.	96.9	WYRF	Melbourne, Fla.	104.9	WZYQ-FM	Braddock Heights, Md.	103.9
WWWS	Saginaw, Mich.	107.1	WXTR-FM	LaPlata, MD	107.1	WYSG	Yellow Springs, OH	91.5	WZZZ	Fairmont, NC	100.9
WWVW	Charlottesville, VA	97.5	WXUJ	Indianapolis, IN	103.3	WYSP	Philadelphia, PA	94.1	WZZB	Centerville, MS	95.7
WWVW	Detroit, Mich.		WXUS-FM	Lafayette, Ind.	92.7	WYSS	Youngstown, O.	88.5	WZZC	Hockessin, DE	88.7
WWVY	Columbus, IN	104.9	WXXI-FM	Rochester, NY	91.5	WYTA	Yorktown, VA	94.1	WZZD	Rethlehem, PA	95.1
WWWZ	Summerville, SC	93.5	WXXY	Montour Falls, NY	104.9	WYWY-FM	Barbourville, KY	93.5	WZZP	Cleveland, OH	106.5
WWXL-FM	Manecheater, Ky.		WXXC	Chapel Hill, NC	89.3	WYXE	Sun Prairie, WI	92.1	WZZR	Jackson, MS	102.9
WWYD	White Plains, NY	103.9	WXXY	Baltimore, MD	102.7	WYD	Raleigh, NC	96.1	WZZR-FM	Grand Rapids, MI	95.7
WWYN	Carthage, MS	98.1							WZZZ	Augusta, GA	103.1
WWYZ	Waterbury, CT	92.5									
WXAC	Reading, Pa.										
WXAX	Elkhart, Ind.										

U.S. TV STATIONS BY LOCATION

Location	C.L.	Chan.	Location	C.L.	Chan.	Location	C.L.	Chan.	Location	C.L.	Chan.
ALABAMA			CALIFORNIA			COLORADO			CONNECTICUT		
Anniston	WHMA-TV	40	Anahelm	KGOF	56	Stockton-Sacramento	KOVR	13	Bridgeport	WEDW	49
Birmingham	WBRC-TV	8	Bakersfield	KJTV	17	Tijuana-San Diego	XETV	8	Hartford	WFSB-TV	3
	WBHQ	10		KERO-TV	21		XEWT-TV	12		WHCT-TV	18
	WAPI-TV	13		KBAK-TV	29	Tulare	KMPH	26		WEDH	24
	WBMG	42		KHSL-TV	12	Visalia (Fresno)	KICU-TV	43		WVIT	30
Demopolis	WTII	41	Chico						New Britain-Hartford		
Dothan	WTVM	4	Corona-Los Angeles	KBSC-TV	52	Brnofield	KBDI-TV	12	New Haven-Hartford	WTNH-TV	8
	WDHN	18		KECC-TV	9	Corn Springs-Pueblo	KKTV	11		WEDY	65
Dazier	WDIQ	2		KECC-TV	9	Denver	KRDO-TV	13		WEDN	53
Florence	WOWT	15		KECC-TV	9		KOA-TV	4		WVAT	20
	WFLI	36		KECC-TV	9		KRMA-TV	6		WVIT	30
Huntsville-Decatur	WAAF	48		KECC-TV	9		KMGH	7		WVAT-TV	46
	WAAY-TV	31		KECC-TV	9		KBT	9		WVAT-TV	46
	WAFF	48		KECC-TV	9		KREZ-TV	6		WVAT-TV	46
Huntsville	WHNT-TV	19		KECC-TV	9		KREX-TV	5		WVAT-TV	46
	WHIQ	25		KECC-TV	9		KREY-TV	10		WVAT-TV	46
Louisville	WGIC	43		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Mobile	WKRG-TV	5		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	WALA-TV	10		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	WAEI-TV	12		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Montgomery	WSFA-TV	42		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	WCOV-TV	20		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	WVAF-TV	26		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	WKAB-TV	32		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Mount Cheaha State Park	WCIC-TV	7		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Selma	WLSA	8		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Tuscaloosa	WCFT-TV	33		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
ALASKA				KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Anchorage	KENI-TV	2		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KTVA	11		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KAKM	7		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KIMO	13		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Bethel	KYUK-TV	4		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Fairbanks	KFAR-TV	2		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KUAC-TV	9		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KTVF	11		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Juneau	KINY-TV	8		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KT00-TV	3		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Sitka	KIFW-TV	13		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
ARIZONA				KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Fayetteville	KTVP	36		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Flagstaff	KOAI	2		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Phoenix	KTVK	3		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KPHO-TV	5		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KAEI	8		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KOOL-TV	10		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KPAZ-TV	21		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KTVW-TV	33		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Phoenix-Mesa	KTVW-TV	33		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Tucson	KVAT-TV	12		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KVOA-TV	4		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KUAT-TV	6		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KQUN-TV	9		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KOLD-TV	13		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Tucson Nogales	KZAZ	11		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Yuma	KYEL-TV	13		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
ARKANSAS				KECC-TV	9		KRFB-TV	10		WVAT-TV	46
El Dorado	KTVE	10		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Monroe, La.	KFTV	13		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Fayetteville	KTVP	29		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Fayetteville-Springdale	KGTO-TV	36		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KLMN	24		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Fort Smith	KFSM-TV	5		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KFPW-TV	40		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KAIT-TV	8		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Jonesboro	KTEJ	19		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KETS	2		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
Little Rock	KARK-TV	4		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KATV	7		KECC-TV	9		KRFB-TV	10		WVAT-TV	46
	KTHV	11		KECC-TV	9		KRFB-TV	10		WVAT-TV	

U.S. TV STATIONS BY LOCATION

Location	C.L.	Chan.
Fargo	KQCD-TV	7
	WDAY-TV	6
	†KFME	13
Fargo-Grand Forks	KTHI-TV	11
	†KGF	2
Grand Forks	KMOT	10
Minot	KXMC-TV	13
Valley City (Fargo)	KXJB-TV	4
Williston	KUMV-TV	8
	KXMD-TV	11

OHIO

Akron	WAKR-TV	23
	†WEAO	49
Alliance	†WNEO-TV	45
Athens	†WOOB-TV	20
Cambridge	†WOUC-TV	44
Canton	WJAN	17
Cincinnati	WLWT	5
	WCPO-TV	9
	WKRC-TV	12
	†WCET	48
	WBTI	64
Cincinnati-Newport, Ky.	WXIX-TV	19
Cleveland	WKYC-TV	3
	WEWS	5
	WJKW-TV	8
	WCTF	19
	†WVIZ-TV	25
Columbus	WCMH-TV	4
	WTVN-TV	6
	WBNS-TV	10
	†WOSU-TV	34
Dayton	WDTN	2
	WHIO-TV	7
	WKEF	22
	†WPTD	16
Kettering	WLIO	38
Lima	†WBGU-TV	57
Lorain-Cleveland Oxford	WUAB	43
	WPTO	14
Portsmouth	†WPBO-TV	42
Steubenville-Wheeling	WSTV-TV	9
Teledo	WTOL-TV	11
	WSPD-TV	13
	WDHO-TV	24
	†WGH-TV	30
Youngstown	WFMJ-TV	21
	WKBN-TV	27
	WYTV-TV	33
Zanesville	WHIZ-TV	18

OKLAHOMA

Ada-Ardmore	KTEN	10
Ardmore & Sherman-Denison	KXII	12
Cheyenne	†KWET	12
Eufaula	†KOET	3
Lawton (Wichita Falls)	KSWO-TV	7
Oklahoma City	KTVY	4
	KOCO-TV	5
	KWTB	9
	†KETA	13
	†KOKH-TV	25
Sayre	KVIV-TV	8
Tulsa	KTEW	2
	KOTV	6
	KTUL-TV	8
	†KOED-TV	11

OREGON

Bend	KTVZ	21
Coos Bay	KCBY-TV	11
Corvallis	†KQAO-TV	7
Eugene	KEZI-TV	7
	KVAL-TV	13
Klamath Falls	KOTI	2
Medford	KOBI	8
	KSYS	8
	KTUL	10
Portland	KATU	2
	KOIN-TV	6
	KGW-TV	8
	†KOAP-TV	10
	KPTV	12
Roseburg	KPIC	4
Salem	KVDO-TV	3

PENNSYLVANIA

Allentown-Bethlehem	WFMZ-TV	69
	†WLVT-TV	89
Altoona	WTAJ-TV	10
	WGPC	38
Clearfield	†WPSX-TV	3
Erie	WICU-TV	12
	WJET-TV	24
	WSEE	35
	†WQLN	54
Greensburg	WPCB-TV	40
Harrisburg	WHP-TV	27
	WTPA	22
Hershey	†WITF-TV	33
Johnstown	WJAC-TV	6
	WJNL-TV	19
Lancaster	WGAL-TV	8
Lancaster-Lebanon	WLYH-TV	15
Philadelphia	KYW-TV	3
	WPVI-TV	6

Location	C.L.	Chan.
WCAU-TV	10	
WPHL-TV	17	
WTAF-TV	29	

Philadelphia (Burlington, N.J.)	WKB	48
Pittsburgh	KDKA-TV	2
	WTAE-TV	4
	WHS	11
	WIC	11
	†WQED	13
	†WQEX	16
	WPTT-TV	22
	WPGH-TV	53
Scranton & Wilkes-Barre	WNEP-TV	16
	WDAU-TV	22
	†WVIA-TV	44
	WVIE-TV	29
State College Wilkes-Barre & Scranton	WBRE-TV	28
York	WSBA-TV	43

RHODE ISLAND

Providence	WJAR-TV	10
	WPRI-TV	12
	†WSB-TV	36

Providence (New Bedford)	WTE	6
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SOUTH CAROLINA

Allendale	†WEBA-TV	14
Anderson	WAIM-TV	40
Beaufort	†WJTV	16
Charleston	WCBD-TV	2
	WCV	4
	WCSC-TV	5
	†WTV	7
Columbia	WIS-TV	10
	WLT	19
	†WRLT-TV	25
	†WRLK-TV	35
Florence	WBT	13
	†WJPM-TV	33
	†WNT	29
Greenville	WGG	16
Greenville-Spartanburg & Asheville	WFBC-TV	4
	WSPA-TV	7
	WLOS-TV	13
	WGSE	43
Myrtle Beach	†WNCS-TV	30
Rock Hill	†WRJA-TV	27
Sumter		

SOUTH DAKOTA

Aberdeen	KABY-TV	9
	†KDS	16
	†KES	8
Brookings	KDSJ-TV	5
Deadwood		
Lead	KDLO-TV	3
Florence	KH	11
Watertown	KIVV-TV	5
Lead	†KQSD-TV	11
	†KZSD-TV	8
Lowry	KXON-TV	5
Martin	†KTS	10
Mitchell	KPRY-TV	4
Pierre	KOTA-TV	3
	KEVN-TV	7
	†KBHE-TV	9
	KPL-TV	6
Reliance	KELO-TV	11
Sioux Falls	KSFY-TV	13
Vermillion	†KUSD-TV	2

TENNESSEE

Chattanooga	WRCB-TV	3
	WTV	9
	WDEF-TV	12
	†WTCI	45
	WRIP-TV	61
	†WCTE	22
Cookeville	WCPT-TV	55
Crossville	WBJ-TV	7
Johnson City		
Bristol	WJHL-TV	11
Kingsport	WKPT-TV	19
Kingsport	WATE-TV	6
Knoxville	WBIR-TV	10
	WTV	26
Lexington	†WLIT-TV	11
Memphis	WREC-TV	3
	WMC-TV	5
	†WMC-TV	10
	WBBQ-TV	13
	WPTV-TV	24
Nashville	†WDNC-TV	8
	WZTV	17
	WSM-TV	4
	WTV	5
	WNGE	2
Sneedville	†WSJK-TV	2

TEXAS

Abilene	KRBC-TV	9
Amarillo	KAMR	4
	KVII-TV	7
	KFDA-TV	10
	KTBC-TV	7
Austin	†KLRL-TV	18
	KTLS-TV	36
	KVUE	4

Location	C.L.	Chan.
Beaumont	KFDM-TV	6
	KBMT	12
	†KNCT	46
Belton	KWAB-TV	4
Big Spring	KBTX-TV	3
Bryan	†KAMU-TV	15
College Station	KIII	3
Corpus Christi	†KEDT	16
	KRIS-TV	6
	KZTV	10
Dallas	†KERA-TV	13
Dallas-Ft. Worth	KDFW-TV	4
	WFAA-TV	8
	KXTX-TV	39
	KDBO-TV	4
	†KOS	7
	KTSM-TV	9
	KVIA-TV	13
	KCIK	14
El Paso		
El Paso-Juarez	XEPM-TV	2
	XEJ-TV	5
Fort Worth-Dallas	WBAP-TV	5
	KT	11
	KGBT-TV	4
Harlingen	KPRC-TV	2
Houston	†KHU	8
	KHOU-TV	11
	KTRK-TV	13
	KRIV-TV	26
	KHT	39
	KGNS-TV	8
	KVT	13

Laredo	XEFE-TV	2
Laredo (Nuevo Laredo)	KICH	51
Longview	†KXT-TV	5
Lubbock	KOBD-TV	11
	KLBK-TV	13
	KSEL-TV	28
	KTR	9
	KVEO	48
	KDCD-TV	18
Lufkin	KMID-TV	2
McAllen	KMOM-TV	9
Midland	KOSA-TV	7
Midland & Odessa		
Monahans		
Odessa		
Port Arthur-Beaumont	KJAC-TV	4
San Angelo	KACB-TV	3
	KCT	8
San Antonio	KMOL-TV	4
	KENS-TV	5
	KSAT-TV	12
	KWEX-TV	41

San Antonio-Austin	†KLRN-TV	9
Sweetwater		
Abilene	KTXS-TV	12
Temple		
Waco	KCN-TV	6
Tyler		
Longview	KLT	7
Victoria	KXIX	19
Waco	KWTX-TV	10
Weslaco	KRGV-TV	5
Wichita Falls	KFDX-TV	3
	KAUZ-TV	6
	†KIDZ-TV	24

UTAH

Ogden	†KOET	9
	†WOS-TV	18
Provo	†KBY-TV	11
Salt Lake City	KUTV	2
	KTVX	4
	KSL-TV	5
	†KUED	7
	KSTU	20

VERMONT

Burlington	WCAX-TV	3
	WVNY-TV	22
	†WETK	33
	†WVER	28
Rutland	†WV	20
St. Johnsbury	†WVTA	41
Windsor		

VIRGINIA

Bristol		
Kingsport & Johnson City	WCYB-TV	5
Charlottesville	WVIR-TV	29
Fredericksburg	WHF	69
Goldvein	†WNVT	53
Hampton		
Norfolk	WVEC-TV	13
	†WHRO-TV	15
Harrisonburg	WHSV-TV	3
Lynchburg		
Roanoke	WLVA-TV	13
Manassas	WTKK	66
Norfolk	WTAR-TV	3
	†WTVZ	33
Norton	†WSVN-TV	47
Portsmouth	WYAH-TV	27
Portsmouth-Norfolk-Newport News	WAVY-TV	10
Richmond	WTVR-TV	6
	WBT	12
	†WCVE-TV	23
	†WCV	57
Richmond-Petersburg	WXEX-TV	8
Roanoke	WLSB-TV	7
	WLS-TV	10
	†WBRA-TV	15

Location	C.L.	Chan.
Staunton	†WVPT	51

WASHINGTON

Bellingham	KVOS-TV	12
Kennewick	KVEV	42
Pasco		
Kennewick-Richland	KEPR-TV	19
Pullman	†KWSU-TV	10
Richland-Pasco-Kennewick	KNDU	23
Seattle	KOMO-TV	4
	KING-TV	5
	KIRO-TV	7
	†KST	9
	KNM-TV	2
	KXLY-TV	4
	KHQ-TV	6
	†KSPS-TV	7
	KSTW	11
	KCPQ-TV	13
	†KTPS	82
Spokane	KND	23
	KIMA-TV	29
	KAPP	35
	†KYVE-TV	47
Tacoma		
Yakima		

WEST VIRGINIA

Bluefield	WHIS-TV	6
Charleston		
Huntington	WCBS-TV	8
Clarksburg	WBOY-TV	12
Grandview	†WSWP-TV	9
Huntington	†WMUL-TV	33
Charleston		
Morgantown	WSAZ-TV	3
Oak Hill	WHTN-TV	13
Beckley	†WVWU	24
Parkersburg	WOAY-TV	4
Marietta	WTAP-TV	15
Weston		
Clarksburg	WDTV	5
Wheeling		
Steubenville	WTRF-TV	7

CANADIAN AM STATIONS BY FREQUENCY

CANADIAN AM STATIONS BY FREQUENCY

Call	Location	W.P.
540-555.5		
CBFF Windsor, Ont.		2,500
CBK Regina, Sask.		50,000
CBT Grand Falls, Nfld.		10,000
550-545.1		
CFJC Kamloops, B.C.		10,000
CFNB Fredericton, N.B.		50,000
CHLN Trois-Rivieres, Que.		10,000
CHNO Sudbury, Ont.		10,000
CKPG Prince George, B.C.		10,000
KARI Vancouver, B.C. (station in Blaine, WA)		5,000
560-525.4		
CFOS Owen Sound, Ont.		5,000
CHOM Marystown, Nfld.		10,000
CHTK Prince Rupert, B.C.		1,000
CKL Kirkland Lake, Ont.		5,000
CKGN Sept-Iles, Que.		10,000
CKNL Fort St. John, B.C.		1,000
570-526.0		
CFGB Corner Brook, Nfld.		1,000
CFWH Whitehorse, Y.T.		1,000
CHYM Kitchener, Ont.		10,000
CJEM Edmundston, N.B.		5,000
CKEK Cranbrook, B.C.		10,000
CKSW Swift Current, Sask.		10,000
CKWL Williams Lake, B.C.		1,000
580-516.9		
CFRA Ottawa, Ont.		50,000
CFCA Baie Comeau, Que.		5,000
CHLC Hauterive, Que.		5,000
CJFX Antigonish, N.S.		10,000
CKAP Kapuskasing, Ont.		10,000
CKPR Thunder Bay, Ont.		5,000
CKUA Edmonton, Alta.		5,000
CKWW Windsor, Ont.		5,000
CKXR Salmon Arm, B.C.		10,000
CKY Winnipeg, Man.		50,000
590-508.2		
CFAR Flin Flon, Man.		10,000
CFNL Fort Nelson, B.C.		250
CFTK Terrace, B.C.		1,000
CJCV Sussex, N.B.		500
CKEY Toronto, Ont.		100,000
CKRS Jonquiere, Que.		10,000
VOCM St. John's, Nfld.		10,000
600-499.7		
CFCF Montreal, Que.		5,000
CFCH North Bay, Ont.		10,000
CFCI Tuktoyaktuk, N.W.T.		1,000
CFQC Saskatoon, Sask.		50,000
CJOR Vancouver, B.C.		10,000
CKCL Truro, N.S.		1,000
610-491.7		
CHNC New Carlisle, Que.		10,000
CHNL Kamloops/Clearwater, B.C.		25,000
CHTM Thompson, Man.		1,000
GJAT Trail, B.C.		10,000
CKMG Maniwaki, Que.		1,000
CKML Mont-Laurier, Que.		1,000
CKRW Whitehorse, Y.T.		1,000
CKTB St. Catharines, Ont.		10,000
CKYL Peace River, Alta.		10,000
CKYQ Grand Bank, Nfld.		10,000
620-483.6		
CFCL Timmins, Ont.		10,000
CFPL Forestville, Que.		1,000
CJCI Prince George, B.C.		10,000
CKCK Regina, Sask.		10,000
CKCM Grand Falls, Nfld.		10,000
630-475.9		
CFBK Huntsville, Ont.		1,000
CFCO Chatham, Ont.		10,000
CFCY Charlottetown/North River, P.E.I.		10,000
CHED Edmonton, Alta.		50,000
CHLT Sherbrooke, Que.		10,000
CJET Smiths Falls, Ont.		10,000
CJLA Lachute, Que.		1,000
CJNC Norway House, Man.		50
CKOV Kelowna, B.C.		5,000
CKRC Winnipeg, Man.		10,000
640-468.5		
CBN St. John's, Nfld.		10,000
660-454.3		
CHAK Inuvik, N.W.T.		1,000
670-447.5		
CHYQ Musgravetown, Nfld.		10,000
680-440.9		
CFDR Dartmouth, N.S.		50,000
CFTR Toronto, Ont.		25,000
CFHA Edmonton, Alta.		10,000
CIVY Grand Falls, Nfld.		10,000
CJOB Winnipeg, Man.		50,000
CKGB Timmins, Ont.		10,000
690-439.5		
CBF Montreal, Que.		50,000
CBU Vancouver, B.C.		50,000
CFRG Gravelbourg, Sask.		5,000

Call	Location	W.P.
710-422.3		
CHYR Leamington, Ont.		10,000
CIPC Port-Cartier, Que.		1,000
CJRN Niagara Falls, Ont.		5,000
CKVM Ville-Marie, Que.		10,000
CKVO Clarendville, Nfld.		10,000
730-410.7		
CJNR Blind River, Ont.		1,000
CKAC Montreal, Que.		50,000
CKDM Dauphin, Man.		10,000
CKGA Gander, Nfld.		1,000
CKLG Vancouver/North Vancouver, B.C.		50,000
740-405.2		
CBL Toronto, Ont.		50,000
CBX Edmonton, Alta.		50,000
790-379.5		
CFAN Newcastle, N.B.		5,000
CFCW Edmonton/Camrose, Alta.		50,000
CFNW Port au Choix, Nfld.		1,000
CHIC Brampton, Ont.		5,000
CHIC Toronto, Ont.		5,000
CKSO Sudbury, Ont.		50,000
800-374.8		
CBQ Thunder Bay, Ont.		10,000
CFBB Fort Frances, Ont.		1,000
CHAB Moose Jaw, Sask.		10,000
CHRC Quebec, Que.		50,000
CIAD Montreal, Que.		50,000
CJBQ Belleville, Ont.		10,000
CJJC Langley/Vancouver, B.C.		10,000
CKW Windsor, Ont.		50,000
CKBK Penticton, B.C.		10,000
VOWR St. John's, Nfld.		5,000
810-370.2		
CHQR Calgary, Alta.		50,000
CJVA Caraqueet, N.B.		10,000
CKJS Winnipeg, Man.		10,000
CKRD Red Deer, Alta.		10,000
860-348.6		
CBH Halifax, N.S.		10,000
CFNS Saskatoon, Sask.		10,000
CFPR Prince Rupert, B.C.		10,000
CFVR Abbotsford, B.C.		10,000
CJBC Toronto, Ont.		50,000
CKVL Montreal, Que.		50,000
CKVL Verdun, Que.		50,000
900-333.1		
CFBR Sudbury, Ont.		10,000
CHML Hamilton, Ont.		5,000
CJBR Rimouski, Que.		10,000
CJEN St-Jerome, Que.		1,000
CIVI Victoria, B.C.		10,000
CKBI Prince Albert, Sask.		10,000
CKDC Amherst, N.S.		1,000
CKDR Dryden, Ont.		1,000
CKTS Sherbrooke, Que.		10,000
CKVD Val D'Or, Que.		10,000
910-329.5		
CFSS Stephenville, Nfld.		500
CHRL Roberval, Que.		10,000
CJVD Drumheller, Alta.		5,000
CKLY Lindsay, Ont.		10,000
920-326.9		
CBP Ottawa, Ont.		50,000
CFLS Levis, Que.		1,000
CFLS Quebec, Que.		1,000
CFRY Portage La Prairie, Man.		10,000
CJCH Halifax, N.S.		25,000
CJCI Woodstock, N.B.		10,000
CKQC Quesnel, B.C.		10,000
CKCY Sault Ste. Marie, Ont.		10,000
CKNX Wingham, Ont.		10,000
930-322.4		
CFBC Saint John, N.B.		50,000
CJCA Edmonton, Alta.		50,000
CJYQ St. John's, Nfld.		50,000
CKNS Espanola, Ont.		10,000
940-319.0		
CBM Montreal, Que.		50,000
CIVH Vanderhoof, B.C.		1,000
CJGJ Yorkton, Sask.		10,000
CJIB Vernon, B.C.		10,000
950-315.6		
CFAM Altoona, Man.		10,000
CHER Sydney, N.S.		10,000
CKBB Barrie, Ont.		10,000
CKNB Campbellton, N.B.		10,000
960-312.3		
CFAC Calgary, Alta.		5,000
CFTJ Cambridge, Ont.		1,000
CHNS Halifax, N.S.		10,000
CKWS Kingston, Ont.		10,000
970-309.1		
CBZ Fredericton, N.B.		10,000
CJYR Edson, Alta.		10,000
CKCH Hull, Que.		10,000
CKCH Ottawa, Ont.		5,000

Call	Location	W.P.
980-305.9		
CBV Quebec, Que.		5,000
CFPL London, Ont.		10,000
CHEX Peterborough, Ont.		10,000
CKGM Montreal, Que.		10,000
CKNW Vancouver/New Westminster, B.C.		50,000
CKRM Regina, Sask.		10,000
990-302.8		
CBW Winnipeg, Man.		50,000
CBY Corner Brook, Nfld.		10,000
1000-299.8		
CKBW Bridgewater, N.S.		10,000
1010-296.9		
CBR Calgary, Alta.		50,000
CFRB Toronto, Ont.		50,000
1050-285.5		
CFGP Grande Prairie, Alta.		10,000
CFYN Sault Ste. Marie, Ont.		10,000
CHUM Toronto, Ont.		50,000
CJNB North Battleford, Sask.		10,000
CKAL Vernon, B.C.		10,000
CKSB St. Boniface, Man.		10,000
CKSB Winnipeg, Man.		10,000
1060-282.8		
CFCN Calgary, Alta.		50,000
CJRP Quebec, Que.		50,000
1070-280.2		
CBA Moncton, N.B.		50,000
CFAX Victoria, B.C.		10,000
CHOK Sarnia, Ont.		10,000
CKST St. Albert, Alta.		10,000
1080-277.6		
CKSA Lloydminster, Alta.-Sask.		10,000
1090-275.1		
CHCC Lethbridge, Alta.		5,000
CHRS Longueuil, Que.		10,000
CHRS Montreal, Que.		10,000
CHRS St-Jean, Que.		10,000
CKKW Kitchener, Ont.		10,000
1110-272.6		
CBD Saint John, N.B.		10,000
CHQT Edmonton, Alta.		50,000
CKJD Sarnia, Ont.		10,000
1130-265.3		
CKWX Vancouver, B.C.		50,000
1140-263.0		
CBI Sydney, N.S.		10,000
CJTR Trois-Rivieres, Que.		10,000
CKXL Calgary, Alta.		10,000
1150-260.7		
CHPR Hawkesbury, Ont.		250
CHSJ Saint John, N.B.		10,000
CJRC Hull, Que.		50,000
CJRC Ottawa, Ont.		50,000
CKIQ Kelowna, B.C.		10,000
CKOC Hamilton, Ont.		10,000
CKX Brandon, Man.		50,000
1170-256.3		
CFIX Cornwall, Ont.		10,000
CKGY Red Deer, Alta.		10,000
1190-252.0		
CFSL Weyburn, Sask.		10,000
CHTN Charlottetown, P.E.I.		10,000
CJMR Mississauga, Ont.		10,000
1210-247.8		
CFFB Frobiher Bay, N.W.T.		250
1220-245.8		
CHSC St. Catharines, Ont.		1,000
CJOC Lethbridge, Alta.		10,000
CJPR Crownsnest Pass, Alta./Crownsnest, B.C.		10,000
CJRB Boissevain, Man.		10,000
CJRL Kenora, Ont.		1,000
CJSS Cornwall, Ont.		1,000
CKCW Moncton/Cherryfield, N.B.		10,000
CKDA Victoria, B.C.		50,000
CKSM Shawinigan, Que.		10,000
1230-243.8		
CFBV Smithers, B.C.		1,000
CFGN Port-aux-Queues, Nfld.		1,000
CFLK Kapuskasing, Ont.		250
CFLN Happy Valley, Nfld.		1,000
CFPA Thunder Bay, Ont.		1,000
CHFC Fort Churchill, Man.		250
CHVD Dolbeau, Que.		10,000
CJYR Hinton, Alta.		50
CJLP Disraeli, Que.		1,000
CJNL Merritt, B.C.		1,000
CJOK Fort McMurray, Alta.		1,000

Call	Location	W.P.
1240-241.8		
CFEK Fernie, B.C.		1,000
CFML La Tuque, Que.		1,000
CJRB Lac Etchemin, Que.		1,000
CJAF Cabano, Que.		1,000
CJAR The Pas, Man.		1,000
CJAV Port Alberni, B.C.		1,000
CJCS Stratford, Ont.		500
CJMD Chibougamau, Que.		1,000
CJNH Bancroft, Ont.		1,000
CJNS Meadow Lake, Sask.		1,000
CJRW Summerside, P.E.I.		250
CJWA Wawa, Ont.		1,000
CKBS St-Hyacinthe, Que.		250
CKBX 100 Mile House, B.C.		1,000
CKGO Hope, B.C.		1,000
CKIM Baie Verte, Nfld.		1,000
CKLS La Sarre, Que.		1,000
CKMK MacKenzie, B.C.		1,000
CKOO Oliver-Osoyoos, B.C.		1,000
1250-239.9		
CBGA Matane, Que.		10,000
CHSM Steinbach, Man.		10,000
CHWD Oakville, Ont.		10,000
CKOM Saskatoon, Sask.		10,000
1260-238.0		
CFRN Edmonton, Alta.		50,000
CIHI Fredericton, N.B.		100,000
1270-263.1		
CBQF Hull, Que.		50,000
CBQF Ottawa, Ont.		50,000
CFGT Alma, Que.		10,000
CHAT Medicine Hat, Alta.		10,000
CHWK Chilliwack, B.C.		10,000
CJCB Sydney, N.S.		10,000
CJTN Trenton, Ont.		1,000
1280-234.2		
CHQB Powell River, B.C.		1,000
CHRS High River, Alta.		10,000
CJJD Hamilton, Ont.		10,000
CJMS Montreal, Que.		50,000
CJSL Estevan, Sask.		10,000
CKCV Quebec, Que.		10,000
1290-232.4		
CFRW Winnipeg, Man.		10,000
CHRM Matane, Que.		10,000
CJBK London, Ont.		10,000

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
1370-218.8											
CFV Valleyfield, Que.	10,000		N.S.	10,000		CKYR Jasper, Alta.	100		1500-199.9		
CFK Westlock, Alta.	10,000		CJFX Port Hawkesbury,	10,000					CKAY Duncan, B.C.	10,000	
CHPQ Parksville, B.C.	1,000		N.S.	10,000		1460-205.4			1510-199.1		
CJWW Saskatoon, Sask.	10,000					CJOY Guelph, Ont.	10,000		CJRS Sherbrooke, Que.	10,000	
						CKRB St-Georges-de-Beauce,	10,000		CKOT Tillsonburg, Ont.	10,000	
						Que.	10,000				
1380-217.3			1420-211.1			1470-204.0			1540-195.0		
CFDA Victoriaville, Que.	10,000		CJMT Chicoutimi, Que.	10,000		CHOW Welland, Ont.	1,000		CHIN Toronto, Ont.	50,000	
CKLK Kingston, Ont.	10,000		CJY Wellfort, Sask.	10,000		CFB Vancouver, B.C.	10,000		1550-193.5		
CKPC Brantford, Ont.	10,000		CKDY Digby, N.S.	1,000		CKO Montreal, Que.	10,000		CBE Windsor, Ont.	10,000	
CHOO Ajax, Ont.	10,000		CKPT Peterborough, Ont.	10,000		CKPB Bagotville, Que.	1,000				
CHOD Toronto, Ont.	10,000		CKTL Plessisville, Que.	1,000							
CKKC Nelson, B.C.	1,000					1480-202.6			1570-191.1		
			1430-209.7			CHR Drummondville,	10,000		CFOR Orillia, Ont.	10,000	
1400-214.2			CKFH Toronto, Ont.	50,000		Que.	10,000		CHLO St. Thomas/London,	10,000	
CFLD Burns Lake, B.C.	1,000		1440-208.2						Ont.	10,000	
CFYR Whitecourt, Alta.	50		CFCP Courtenay, B.C.	1,000		1490-201.2			CHUB Nanaimo, B.C.	10,000	
CINL Princeton, B.C.	1,000		CFGO Ottawa, Ont.	50,000		CFHG Holberg, B.C.	40		CKLM Laval, Que.	50,000	
CJFF Riviere-du-Loup,	10,000		CJOI Wetaskiwin, Alta.	10,000		CFMR Fort Simpson,	1,000		CKLM Montreal, Que.	50,000	
Que.	10,000					N.W.T.	50,000		CKLQ Brandon, Man.	10,000	
CKCB Collingwood, Ont.	1,000		1450-206.8			CFPS Port Elgin, Ont.	1,000		CKTA Taber, Alta.	5,000	
CKFL Lac Megantic, Que.	1,000		CBG Gander, Nfld.	1,000		CFRC Kingston, Ont.	100				
CKOB Renfrew, Ont.	250		CFAB Windsor, N.S.	250		CFWB Campbell River, B.C.	1,000				
CKRV Drummondville, Que.	2.5-10		CFJR Brockville, Ont.	1,000		CJMC Ste-Anne-des-Monts,	1,000		1580-189.2		
CKSJ St-Jovite, Que.	1,000		CHAP Long Lac, Ont.	40		Que.	1,000		CBJ Chicoutimi, Que.	50,000	
			GHCL Medley, Alta.	40		CJPR Blairmore, Alta.	1,000				
1410-212.6			CHEF Granby, Que.	10,000		CJSN Shaunavon, Sask.	1,000		1600-187.5		
CFMB Montreal, Que.	10,000		CFMO Moose, Ont.	50		CKBM Montmagny, Que.	1,000		CHIB Chibougamau, Que.	40	
CFUN Vancouver, B.C.	50,000		CHRT St-Eleuthere, Que.	250		CKEN Kentville, N.S.	1,000		CHNR Simcoe, Ont.	10,000	
CKSL London, Ont.	10,000		CHUC Cobourg, Ont.	1,000		CKLR L'Annonciation, Que.	2,000				
CIGO Antigonish, N.S.	10,000		CHUC Port Hope, Ont.	1,000		CKMV Grand Falls, N.B.	1,000				
CIGO Port Hawkesbury,			CJBM Causapscal, Que.	1,000							
			CKSP Summerland, B.C.	1,000							

CANADIAN AM STATIONS BY LOCATION

Location	Call	kHz	Location	Call	kHz	Location	Call	kHz	Location	Call	kHz
Abbotsford, B.C.	CFYR	850	Espanola, Ont.	CKNS	930	Lacoste, Que.	CJLA	630	Portage La Prairie, Man.	CFRY	920
Ajax, Ont.	CHOO	1390	Estevan, Sask.	CJSL	1280	Lac Megantic, Que.	CKFL	1400	Port Alberni, B.C.	CJAV	1240
Aima, Que.	CFGT	1270				Langley, B.C.	CJJC	800	Portau Choix, Nfld.	CFNW	790
Altona, Man.	CFAM	950	Fernie, B.C.	CFEK	1240	L'Annonciation, Que.	CKLR	1490	Port-aux-Basques, Nfld.	CFGN	1230
Amherst, N.S.	CKDC	900	Flin Flon, Man.	CFAR	590	La Pocatiere, Que.	CHGB	1310	Port-Cartier, Que.	CJPC	710
Amos, Que.	CHAD	1340	Forestville, Que.	CFRP	820	La Sarre, Que.	CKLS	1240	Port Elgin, Ont.	CFPS	1400
Antigonish, N.S.	CIGO	1410	Fort Churchill, Man.	GHFC	1230	La Tuque, Que.	CFLM	1240	Port Hawkesbury, N.S.	CIGO	1410
	CJFX	580	Fort Frances, Ont.	CFPB	800	Laval, Que.	CKLM	1570			
	CJAN	1340	Fort McMurray, Alta.	CJOK	1230	Leamington, Ont.	CHYR	710			
Asbestos, Que.	CJAN	1340	Fort Nelson, B.C.	CFNL	590	Leathbridge, Alta.	CHEC	1990			
			Fort St. James, B.C.	CJFJ			CJOC	1220			
Bagotville, Que.	CKPB	1470	(satellite of Vanderhoof, CIVH)				CJLS	920			
Baie Comeau, Que.	CHLC	580	Fort St. John, B.C.	CKNL	560	Levis, Que.	GFLS	1220	Port Hope, Ont.	CHUC	1450
Baie Verte, Nfld.	CKIM	1240	Fort Simpson, N.W.T.			Lindsay, Ont.	CKLY	910	Powell River, B.C.	CHBS	1280
Bancroft, Ont.	CJNH	1240				Lloydminster, Alta./Sask.			Prince Albert, Sask.	CKBI	900
Barrie, Ont.	CKBB	950	Fraser Lake, B.C.	CFMR	1490				Prince George, B.C.	CJCI	620
Bathurst, N.B.	CKBC	1380	(satellite of Vanderhoof, CIVH)			London, Ont.	CFPL	980		CKPG	550
Belleville, Ont.	CBZ	800	Fredericton, N.B.	CBZ	970		CHLO	1570	Prince Rupert, B.C.	CFPR	860
Blairmore, Alta.	CJPR	1490		CFNB	550		CJBK	1290		CHTK	560
Blind River, Ont.	CJNR	730		CHH	1260		CKSL	1410	Princeton, B.C.	CINL	1400
Boisbassin, Man.	CJRB	1220	Frobisher Bay, N.W.T.	CFFB	1210	Long Lac, Ont.	CHAP	1450	Quebec, Que.	CBV	980
Brampton, Ont.	CHIC	790				Longueuil, Que.	CHR	1090		CHRC	800
Brandon, Man.	CKLQ	1570								CFLS	920
	CKX	1150	Gander, Nfld.	CBG	1450	MacKenzie, B.C.	CKMK	1240	Red Deer, Alta.	CKYJ	1170
Brantford, Ont.	CKPC	1380		CFYQ	1350	Maniwaki, Que.	CKMG	610		CKRD	850
Bridgewater, N.S.	CKBW	1000		CKGA	730	Marystown, Nfld.	CHCM	560	Regina, Sask.	CBK	540
Brockville, Ont.	CFJR	1450	Golden, B.C.	CKGR		Matane, Que.	CBGA	1250		CJME	1300
Brooks, Alta.	CKBR	1340	(satellite of Salmon Arm, CKXR)				CHRM	1290	Quesnel, B.C.	CKCQ	920
Burns Lake, B.C.	CFLD	1400	Granby, Que.	CHEF	1450	Meadow Lake, Sask.	CJMS	1240	Red Deer, Alta.	CKYJ	1170
			Grand Bank, Nfld.	CKYQ	610	Medicine Hat, Alta.	CHAT	1270		CKBD	850
Cabano, Que.	CJAF	1240	Grand Falls, Nfld.	CBT	540	Medley, Alta.	CHCL	1450	Regina, Sask.	CBK	540
Caigary, Alta.	CBR	1010		CJYQ	690	Welfort, Sask.	CJYR	1420		CJME	1300
	CFAC	980		CKCM	620	Merritt, B.C.	CJNL	1230		CKCK	620
	CFAC	980		CKCM	620	Middleton, N.S.	CKAD	1350		CKRM	980
	CHQR	810		CKMV	1490	Midland, Ont.	CKMP	1230	Renfrew, Ont.	CKOB	1400
	CKXL	1140		CKGF	1340	Mississauga, Ont.	CJMR	1190	Revelstoke, B.C.	CKOR	1340
Campbell River, B.C.	CFWB	1490	Grand Forks, B.C.	CKGF	1340	Moncton, N.B.	CBFA	1300	Richmond Hill, Ont.	CKOR	1340
Campbellton, N.B.	CKNB	950	Grande Cache, Alta.	CKYR	1230		CBFA	1300	Rimouski, Que.	CJBR	900
Cambridge, Ont.	CFJT	960	Grande Prairie, Alta.	CFYR	1050		CKMP	1220	Riviere-du-Loup, Que.	CJFP	1400
Camrose, Alta.	CFYB	790	Granisle, B.C.	CHLD	1050	Mont-Laurier, Que.	CKML	610	Roberval, Que.	CHRL	910
Carleton Place, Ont.	CJVA	810	(satellite of Prince George, CJCI)			Montmagny, Que.	CKBM	1490	Roseton, Sask.	CKRR	1330
Castlegar, B.C.	CKQR	1230	Gravelbourg, Sask.	CFRG	690	Montreal, Que.	CBF	690	Rouyn, Que.	CKRN	1230
Causapscal, Que.	CJBM	1450	Guelph, Ont.	CJOY	1490		CBF	690			
Chapais, Que.	CFED	1340					CFM	600	St. Albert, Alta.	CKST	1070
Charlottetown, P.E.I.	CFCY	630	Halifax, N.S.	CBH	860		CFMB	1410	St. Anthony, Nfld.	CBNA	-
	CHTN	1190		CHNS	960		CHRS	1090	St. Boniface, Man.	CKSB	1050
Chatham, Ont.	CFCO	630		CJCH	970		CJAD	800	St. Catharines, Ont.	CHSC	1220
Cherryfield, N.B.	CKCW	1220	Hamilton, Ont.	CHML	900		CJMS	1280		CKTB	610
Chibougamau, Que.	CHIB	1600		CJJO	1280		CKAK	730	St-Eleuthere, Que.	CHRT	1450
	CJMD	1240	Happy Valley, Nfld.	CKOC	1150		CKGM	960	St-Georges-de-Beauce, Que.		
Chicoutimi, Que.	CBJ	1580		CFBB	1340		CKBA	1170			
	CJMT	1420	Hauterive, Que.	CHLC	580		CKD	1470	St-Hyacinthe, Que.	CKBS	1240
Chilliwack, B.C.	CHWK	1270	Hawkesbury, Ont.	CHPR	1150		CKVL	250	St-Jean, Que.	CHRS	1090
Churchill Falls, Nfld.	CFLC	1340	Hazelton, B.C.	CKBV			CHAB	800	St-Jerome, Que.	CJEN	900
Clareville, Nfld.	CFYB	790	(satellite of Smithers, CFBV)			Moosonee, Ont.	CHMO	1450	St. John's, Nfld.	CBN	640
Clearwater, B.C.	CHNL	610	Hearst, Ont.	CFLH	1340	Musgravetown, Nfld.	CHYQ	670		CJYQ	930
Coburg, Ont.	CHUC	1450	High River, Alta.	CHRB	1280	Nanaimo, B.C.	CHUB	1570		VOAR	1230
Collingwood, Ont.	CKCB	1400	Hinton, Alta.	CJYR	1230	Nelson, B.C.	CKKC	1390		YOCM	580
Corner Brook, Nfld.	CBY	090	Holberg, B.C.	CFHG	1490	New Carlisle, Que.	CHMC	610		VOWR	800
	CFBG	570	Hope, B.C.	CKGO	1240	Newcastle, N.B.	CFAN	790	St-Jovite, Que.	CKSJ	1400
Cornwall, Ont.	CFIX	1170	Houston, B.C.	CHBV		New Glasgow, N.S.	CKEC	1320	St-Pamphile, Que.	CHAL	1350
	CFYB	790	(satellite of Smithers, CFBV)			New Liskeard, Ont.	CJTT	1230	St. Paul, Alta.	CJOK	1310
Courtenay, B.C.	CFCP	1440	Hull, Que.	CBOF	1270	New Westminster, R.C.			Ste-Agathe-des-Monts, Que.	CJSA	1230
Cranbrook, B.C.	CKEK	570		CJRC	1150	Niagara Falls, Ont.	CKNW	980	Ste-Anne-des-Monts, Que.		
Creston, B.C.	CFKC	1340	Huntsville, Ont.	CJH	970	North Battleford, Sask.	CJRN	710		CJMC	1490
Cross Lake, Man.	CFNC	-		CFBK	630				Ste-Marie-Beauce, Que.		
Crowsnest Pass, Alta./			Inuvik, N.W.T.	CHAK	660	North Bay, Ont.	CFCH	600	Saint John, N.B.	CJVL	1360
Crowsnest, B.C.	CJPR	1220				North River, P.E.I.	CFYQ	630		CBDB	1110
			Jasper, Alta.	CKYR	1450	Nerway House, Man.	CJNC	630		CFBC	930
Dartmouth, N.S.	CFDR	680	Joliette, Que.	CJLM	1350	Oakville, Ont.	CHWO	1250	Salmon Arm, B.C.	CKXR	580
Dauphin, Man.	CKDN	730	Jonquiere, Que.	CKRS	590	Oliver-Osoyoos, B.C.	CKOD	1240	Sarnia, Ont.	CKOR	1070
Dawson Creek, B.C.	CJDC	1350				Orillia, Ont.	CFOR	1570	Saskatoon, Sask.	CFNS	860
Digby, N.S.	CKDY	1420	Kamloops, B.C.	CFJC	550	Oshawa, Ont.	CKLB	1350		CFQC	600
Disraeli, Que.	CJLP	1230		CHNL	610	Ottawa, Ont.	CBQ	920	Sault Ste. Marie, Ont.	CJWM	1370
Dotheau, Que.	CHVD	1230	Kapuskasing, Ont.	CFLK	1230						

CANADIAN AM STATIONS BY LOCATION

Location	Call	kHz	Location	Call	kHz	Location	Call	kHz	Location	Call	kHz
Stephenville, Nfld.	CFSX	910	Tononto, Ont.	CBL	740		CKLG	730		CKRW	610
Stratford, Ont.	CJCS	1240		CFGM	1310		CKWX	1130	Williams Lake, B.C.	CKWL	570
Sudbury, Ont.	CFBR	900		CFRB	1010	(station in Blaine, WA)			Windsor, Ont.	CBE	1550
	CHNO	550		CFTR	680		KARI	550		CBEF	540
	CKSO	790		CHIC	790	Vanderhoof, B.C.	CIVH	940		CFAB	1450
Summerland, B.C.	CKSP	1450		CHIN	1540	Verdun, Que.	CKVL	850		CKLW	800
Summerside, P.E.I.	CJRW	1240		CHOO	1390	Vernon, B.C.	CJIB	940		CKWW	580
Sussex, N.B.	CJCS	590		CHUM	1050		CKAL	1050	Wingham, Ont.	CKNY	920
Swift Current, Sask.	CJCS	570		CJBC	860		CFAX	1070	Winnipeg, Man.	CBW	990
Sydney, N.S.	CBI	1140		CJBY	870		CJVI	900		CFRW	1290
	CHER	950		CKFH	1430	Victoria, B.C.	CKDA	1220		CJOB	680
	CJCB	1270		CJAT	610	Victoriaville, Que.	CFDA	1380		CKJS	810
Taber, Alta.	CKTA	1570	Trail, B.C.	CJTN	1270	Villa-Marie, Que.	CKVM	710		CKRC	630
Temiscaming, Que.	CKVT	1340	Trenton, Ont.	CJTN	1270					CKSB	1050
Terrace, B.C.	CFTK	590	Trois-Rivieres, Que.	CHLN	550					CKY	580
The Pas, Man.	CJAR	1240		CJTR	140					CKY	580
Theford Mines, Que.	CKLD	1330	Truro, N.S.	CJTR	140	Wabush, Nfld.	CFLW	1340		CKY	580
Thompson, Man.	CHTM	610	Tuktoyaktuk, N.W.T.	CFCT	670	Ward Creek, N.B.	CJCW		Woodstock, N.B.	CKY	580
	CBQ	800	Val D'Or, Que.	CKVD	900	Satellite of Moncton, CKCW)				CKY	580
Thunder Bay, Ont.	CFPA	1230	Valleyfield, Que.	CFVL	1370	Wawa, Ont.	CJWA	1240		CKDK	1340
	CKPR	580	Vancouver, B.C.	CFUN	1410	Welland, Ont.	CHOW	1470			
	CKOT	1510		CHQM	1320	Westlock, Alta.	CFOK	1370	Yarmouth, N.S.	CJLS	1340
Tiltsburg, Ont.	CFCL	620		CJOR	600	Wetaskiwin, Alta.	CJOI	1440	Yellowknife, N.W.T.	CFYK	940
Timmins, Ont.	CKCB	680		CJVB	1470	Weyburn, Sask.	CFSL	1190	Yorkton, Sask.	CJGX	1340
						Whitecourt, Alta.	CFYR	1400			
						Whitehorse, Y.T.	CFWH	570	100 Mile House, B.C.	CKBX	1240

CANADIAN AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
CBA	Moncton, N.B.	1070	CFRP	Forestville, Que.	620	CIIQ	Grand Falls, Nfld.	680		(satellite of Smithers, CFBV)	
CBAF	Moncton, N.B.	1300	CFRW	Winnipeg, Man.	1290	CIIY	Hinton, Alta.	1230	CKBW	Bridgewater, N.S.	1000
CBD	Saint John, N.B.	1110	CFRY	Portage La Prairie, Man.	920	CIIA	Montreal, Que.	800	CKBA	100 Mile House, B.C.	1240
CBE	Windsor, Ont.	1550	CFSL	Weyburn, Sask.	1190	CIIW	Cabano, Que.	1240	CKCB	Collingwood, Ont.	1400
CBEF	Windsor, Ont.	680	CFSS	Stephenville, Nfld.	910	CIIA	Asbestos, Que.	1340	CKCH	Hull, Que.—	
CBF	Montreal, Que.	690	CFTJ	Cambridge, Ont.	960	CIIA	The Pas, Man.	1240		Ottawa, Ont.	970
CBG	Gander, Nfld.	1450	CFTK	Terrace, B.C.	950	CIIA	Trail, B.C.	610	CKCK	Regina, Sask.	620
CBGA	Matane, Que.	1250	CFTR	Toronto, Ont.	680	CIIA	Port Alberni, B.C.	1240	CKCL	Truro, N.S.	600
CBH	Halifax, N.S.	860	CFUN	Vancouver, B.C.	1410	CIIA	Toronto, Ont.	860	CKCM	Grand Falls, Nfld.	620
CBI	Sydney, N.S.	1140	CFWB	Abbotsford, B.C.	850	CIIA	London, Ont.	1290	CKCN	Sent. Iles, Que.	950
CBJ	Chicoutimi, Que.	1580	CFYK	Campbell River, B.C.	1490	CIIA	Kausapsal, Que.	1450	CKCQ	Quebec, B.C.	920
CBK	Regina, Sask.	540	CFWH	Whitehorse, Y.T.	570	CIIA	Bellefleur, Que.	800	CKCR	Revelstoke, B.C.	1340
CBL	Toronto, Ont.	740	CFYK	Yellowknife, N.W.T.	1340	CIIA	Rimouski, Que.	900	CKCV	Quebec, Que.	1280
CBM	Montreal, Que.	940	CFYN	Sault Ste. Marie, Ont.	1050	CIIA	Edmonton, Alta.	930	CKCW	Moncton-Cherryfield, N.B.	1220
CBNA	St. Anthony, Nfld.	—	CFYQ	Gander, Nfld.	1350	CIIA	Sydney, N.S.	1270	CKCY	Sault Ste. Marie, Ont.	920
CBQ	Ottawa, Ont.	920	CFYR	Whitecourt, Alta.	1400	CIIA	Halifax, N.S.	920	CKDA	Victoria, B.C.	1220
CBQF	Hull, Que.—Ottawa, Ont.	1270	CHAB	Moose Jaw, Sask.	800	CIIA	Prince George, B.C.	620	CKDC	Amherst, N.S.	900
CBQ	Thunder Bay, Ont.	800	CHAD	Amos, Que.	1340	CIIA	Woodstock, N.B.	920	CKDK	Woodstock, Ont.	1340
CBR	Calgary, Alta.	1010	CHAG	Inuvik, N.W.T.	570	CIIA	Stratford, Ont.	1240	CKDM	Dauphin, Man.	730
CBR	Grand Falls, Nfld.	540	CHAL	St. Pamphile, Que.	1350	CIIA	Ward Creek, N.B.	590	CKDR	Dryden, Ont.	900
CBU	Vancouver, B.C.	690	CHAP	Long Lac, Ont.	1450	CIIA	(satellite of Moncton, CKCW)		CKDY	Digby, N.S.	1420
CBV	Quebec, Que.	980	CHAT	Medicine Hat, Alta.	1270	CIIA	Dawson Creek, B.C.	1350	CKEK	New Glasgow, N.S.	1320
CBW	Winnipeg, Man.	990	CHBV	Houston, B.C.	1270	CIIA	Drumheller, Alta.	910	CKEK	Cranbrook, B.C.	570
CBX	Edmonton, Alta.	740		(satellite of Smithers, CFBV)		CIIA	Edmonton, N.B.	570	CKEY	Kentville, N.S.	1400
CBY	Corner Brook, Nfld.	990	CHCL	Medley, Alta.	1450	CIIA	Miramichi, N.B.	900	CKFH	Toronto, Ont.	590
CBZ	Fredericton, N.B.	970	CHCM	Marystown, Nfld.	560	CIIA	St-Jerome, Que.	600	CKFH	Toronto, Ont.	1430
CFAB	Windsor, N.S.	1450	CHCC	Lethbridge, Alta.	1090	CIIA	Smiths Falls, Ont.	630	CKFL	Lac Megantic, Que.	1400
CFAC	Calgary, Alta.	960	CHCD	Edmonton, Alta.	630	CIIA	Riviere-du-Loup, Que.	1400	CKGA	Gander, Nfld.	730
CFAM	Altona, Man.	950	CHCE	Granby, Que.	1450	CIIA	Antigonish, N.S.	580	CKGB	Timmins, Ont.	680
CFAN	Newcastle, N.B.	790	CHER	Sydney, N.S.	950	CIIA	Port Hawkesbury, N.S.	1410	CKGF	Grand Forks, B.C.	1340
CFAR	Flin Flon, Man.	590	CHEX	Peterborough, Ont.	980	CIIA	Yorkton, Sask.	940	CKGM	Montreal, Que.	980
CFAX	Victoria, B.C.	1070	CHFA	Edmonton, Alta.	980	CIIA	Vernon, B.C.	940	CKGO	Hope, B.C.	1240
CFBC	Saint John, N.B.	930	CHFC	Fort Churchill, Man.	1230	CIIA	Langley-Vancouver, B.C.	800	CKGR	Golden, B.C.	
CFB	Huntsville, Ont.	630	CHFD	La Poetiere, Que.	1310	CIIA	Hamilton, Ont.	1280		(satellite of Salmon Arm, CKXR)	
CFBQ	Parry Sound, Ont.	1340	CHIB	Chibougamou, Que.	1500	CIIA	Kirkland Lake, Ont.	1280	CKGY	Red Deer, Alta.	1170
CFBR	Sudbury, Ont.	900	CHIC	Brampton-Toronto, Ont.	790	CIIA	Lachute, Que.	830	CKIM	Baie Verte, Nfld.	1240
CFBV	Smithers, B.C.	1230	CHIN	Toronto, Ont.	1540	CIIA	Joliette, Que.	1350	CKIO	Kelowna, B.C.	1150
CFBC	Corner Brook, Nfld.	570	CHLC	Hauterive-Baie Comeau, Que.	580	CIIA	Disraeli, Que.	1230	CKJD	Sarnia, Ont.	810
CFCC	Montreal, Que.	600	CHLD	Granville, B.C.		CIIA	Yarmouth N.S.	1340	CKJS	Winnipeg, Man.	810
CFCH	North Bay, Ont.	600		(satellite of Prince George, CJCJ)		CIIA	Ste-Anne-des-Monts, Que.	1490	CKKA	Nelson, B.C.	1390
CFCL	Timmins, Ont.	620	CHLE	Chibougamou, Que.	1490	CIIA	Chibougamou, Que.	1490	CKKC	Rosetown-Kindersley, Sask.	1330
CFCN	Calgary, Alta.	1060	CHLF	Trois-Rivieres, Que.	550	CIIA	Regina, Sask.	1300	CKKW	Kitchener, Ont.	1090
CFCO	Chatham, Ont.	630	CHLN	St. Thomas London, Ont.	1570	CIIA	Mississauga, Ont.	1190	CKLB	Oshawa, Ont.	1350
CFCP	Courtenay, B.C.	1440	CHLT	Sherbrooke, Que.	630	CIIA	Montreal, Que.	1280	CKLC	Kingston, Ont.	1380
CFCT	Tuktoyaktuk, N.W.T.	600	CHML	Hamilton, Ont.	900	CIIA	Chicoutimi, Que.	1420	CKLD	Theford Mines, Que.	1330
CFCW	Edmonton-Camrose, Alta.	790	CHMO	Moosonee, Ont.	1450	CIIA	North Battleford, Sask.	1050	CKLE	Vancouver-North Vancouver, B.C.	730
CFCY	Charlottetown-North River, P.E.I.	630	CHNC	New Carlisle, Que.	610	CIIA	Norway House, Man.	630	CKLV	Theford Mines, Que.	1330
CFD	Victoria, Que.	1380	CHNK	Kamloops-Clearwater, B.C.	610	CIIA	Bancroft, Ont.	1240	CKLW	Windsor, Ont.	800
CFDR	Dartmouth, N.S.	680	CHNO	Sudbury, Ont.	1500	CIIA	Merritt, B.C.	730	CKLY	Lindsay, Ont.	810
CFED	Chapais, Que.	1340	CHNR	Simcoe, Ont.	650	CIIA	Blind River, Ont.	1240	CKMG	Maniwaki, Que.	610
CFEK	Fernie, B.C.	1240	CHNS	Halifax, N.S.	960	CIIA	Meadow Lake, Sask.	1230	CKMK	MacKenzie, B.C.	1240
CFFB	Frobisher Bay, N.W.T.	1210	CHOK	Sarnia, Ont.	1070	CIIA	Winnipeg, Man.	680	CKML	Mont-Laurier, Que.	610
			CHOO	Ajax-Toronto, Ont.	1390	CIIA	Lethbridge, Alta.	1220	CKMP	Midland, Ont.	1230
CFGB	Happy Valley, Nfld.	1340	CHOW	Welland, Ont.	1470	CIIA	Wetaskiwin, Alta.	1430	CKMV	Grand Falls, N.B.	1490
CFGC	Richmond Hill, Ont.	1320	CHWP	Welland, Ont.	1470	CIIA	Fort McMurray, Alta.	1200	CKNB	Campbellton, N.B.	950
CFGM	Toronto, Ont.	1310	CHXR	Parksville, B.C.	1370	CIIA	Vancouver, B.C.	600	CKNL	Fort St. John, B.C.	560
CFGN	Port-aux-Basques, Nfld.	1230	CHQB	Powell River, B.C.	1280	CIIA	Wabush, Nfld.	1340	CKNS	Eliot Lake, Ont.	1340
CFGO	Ottawa, Ont.	1440	CHQM	Vancouver, B.C.	1320	CIIA	Crownest, B.C.	1220	CKNT	Esplanada, Ont.	930
CFGP	Grande Prairie, Alta.	1050	CHQR	Calgary, Alta.	810	CIIA	Boissevain, Man.	1220	CKNW	Vancouver-New Westminister, B.C.	980
CFGT	Alma, Que.	1270	CHQT	Edmonton, Alta.	1110	CIIA	Hull, Que.—	1150	CKNX	Wingham, Ont.	920
CFHG	Holberg, B.C.	1490	CHRB	High River, Alta.	1280	CIIA	Kenora, Ont.	1220	CKO	Montreal, Que.	1470
CFIC	Kamloops, B.C.	550	CHRC	Quebec, Que.	800	CIIA	Niagara Falls, Ont.	710	CKOB	Renfrew, Ont.	1400
CFJR	Brockville, Ont.	1450	CHRD	Drummondville, Que.	1480	CIIA	Quebec, Que.	1060	CKOC	Hamilton, Ont.	800
CFKC	Creston, B.C.	1340	CHRL	Roberval, Que.	910	CIIA	Sherbrooke, Que.	1510	CKOK	Penticton, B.C.	1150
CFLD	Churchill Falls, Nfld.	1340	CHRM	Montane, Que.	1290	CIIA	Summerside, P.E.I.	1240	CKOM	Saskatoon, Sask.	820
CFLE	Burns Lake, B.C.	1400	CHRS	Montreal-Longueuil-St-Jean, Que.	1090	CIIA	Ste-Agathe-des-Monts, Que.	1230	CKOO	Olivier-Osoyoos, B.C.	1240
CFLH	Hearst, Ont.	1340	CHRT	St-Eleuthere, Que.	1450	CIIA	Estevan, Sask.	1280	CKOP	Tillsonburg, Ont.	1510
CFLK	Kapuskasing, Ont.	1230	CHSC	St-Catherine, Ont.	1220	CIIA	Shawnigan, Sask.	1490	CKOV	Kelowna, B.C.	630
CFLM	La Tuque, Ont.	1240	CHSJ	Saint John, N.B.	1150	CIIA	Sorel, Que.	150	CKOY	Ottawa, Ont.	1140
CFLN	Happy Valley, Nfld.	1230	CHSM	Steinbach, Man.	1250	CIIA	Cornwall, Ont.	1220	CKPB	Bagotville, Que.	1470
CFLS	Quebec-Levis, Que.	920	CHTK	Prince Rupert, B.C.	560	CIIA	Trouton, Ont.	1270	CKPC	Brantford, Ont.	1380
CFLV	Valleyfield, Que.	1370	CHTM	Thompson, Man.	610	CIIA	Trois-Rivieres, Que.	1140	CKPD	Prince George, B.C.	550
CFW	Wabush, Nfld.	1340	CHTN	Charlottetown, P.E.I.	1190	CIIA	Verdun, Que.	1230	CKPR	Thunder Bay, Ont.	580
CFWB	Montreal, Que.	1410	CHUB	Nanaimo, B.C.	1570	CIIA	Carleton Place, Ont.	810	CKPT	Peterborough, Ont.	1420
CFWR	Fort Simpson, N.W.T.	1490	CHUC	Cobourg-Port Hope, Ont.	1450	CIIA	Victoria, B.C.	900	CKQR	Castlegar, B.C.	1230
CFXB	Fredericton, N.B.	550		(satellite of Vancouver, CIVH)		CIIA	St-Marie-Beauce, Que.	1360	CKRB	St-Georges-de-Beauce, Que.	1460

CANADIAN AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
CKSP	Summerland, B.C.	1450	CKUA	Edmonton, Alta.	580	CKWW	Windsor, Ont.	580	CKYR	Grande Cache, Alta.	1230
CKST	St. Albert, Alta.	1070	CKVD	Val D'Or, Que.	900	CKWX	Vancouver, B.C.	1130	CKYR	Jasper, Alta.	1450
CKSW	Swift Current, Sask.	570	CKVM	Verdun-Montreal, Que.	850	CKX	Brandon, Man.	1150	KARI	Vancouver, B.C. (station in Blaine, WA)	550
CKTA	Taber, Alta.	1570	CKVL	Calgary, Alta.	1140	CKXR	Salmon Arm, B.C.	580			
CKTB	St. Catharines, Ont.	610	CKV	Clareville, Nfld.	710	CKY	Winnipeg, Man.	580			
CKTK	Kitimat, B.C.	1230	CKWL	Williams Lake, B.C.	570	CKYL	Peace River, Alta.	610	VOAR	St. John's, Nfld.	1230
CKTL	Plessisville, Que.	1420	CKWS	Kinoston, Ont.	960	CKYQ	Grand Bank, Nfld.	610	VOCM	St. John's, Nfld.	590
CKTS	Sherbrooke, Que.	900							VOWR	St. John's, Nfld.	800

CANADIAN FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Baker Lake, N.W.T.	CKQN-FM	99.3	Kamloops, B.C.	CCFM-FM	98.3		CHEZ-FM	106.1	Smiths Falls, Ont.		
Barrie, Ont.	CHAY-FM	93.1	(rebroadcasting stations in Chase, Clearwater, Clinton, Merritt, Pritchard, and Savona, B.C.)			CIMF-FM	94.9		Sudbury, Ont.	CBGS-FM	99.9
Belleville, Ont.	CIGL-FM	97.1				CKBY-FM	105.3			CBJS-FM	98.1
Big Trout Lake, Ont.						CKCU-FM	93.1		Sydney, N.S.	CIGM-FM	92.7
Brampton, Ont.	CFYL-FM	100.3				CKO-FM	106.9		Thunder Bay, Ont.	CJCB-FM	94.9
Brandon, Man.	CJGM-FM	96.1	Kelowna, B.C.	CHNL-FM	97.5	Peace River, Alta.	CKUA-FM	96.9			
Brantford, Ont.	CKPC-FM	92.1	Kentville, N.S.	CKWN-FM	97.7	Pentticon, B.C.	CKOK-FM	97.1			
Burlington, Ont.	CING-FM	107.9	Kingston, Ont.	CFLY-FM	98.3	Peterborough, Ont.					
Calgary, Alta.	CFR-FM	102.1									
	CHFM-FM	95.5									
	CJAY-FM	92.1									
	CKO-FM	103.1									
	CKUA-FM	93.7									
Charlottetown, P.E.I.	CBK-FM	96.9									
Chibougamau, Que.											
	CHIB-FM										
Chicoutimi, Que.	CBJ-FM	100.9									
Chuteau, Ont.	CJUT-FM	96.7									
Cornwall, Ont.	CFGL-FM	104.5									
Deer Lake, Nfld.											
	CFDL-FM	97.9									
Edmonton, Alta.	CFRN-FM	100.3									
	CJCA-FM	97.3									
	CKO-FM	101.9									
	CKUA-FM	94.9									
Fredericton, N.B.											
	CBZF-FM	101.5									
Gaspé, Que.	CJRE-FM	97.9									
	CJRG-FM	103.1									
Grand Manan, N.B.											
	CEZA-FM										
Grande Prairie, Alta.											
	CKUA-FM	100.9									
Guelph, Ont.	CKLA-FM	100.1									
Green Lake, Sask.											
	CHGL-FM										
Halifax, N.S.	CBH-FM	102.7									
	CHFX-FM	101.9									
Hamilton, Ont.	CKDS-FM	95.3									
Hull, Que.	CBOF-FM	102.5									
	CIMF-FM	94.9									

CANADIAN FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
CBK-FM	Charlottetown, P.E.I.	96.9	CFMP-FM	Peterborough, Ont.	101.5	CHUT-FM	Chicoutimi, Que.	96.7	CKCL-FM	Truro, N.S.	100.9
CBGS-FM	Sudbury, Ont.	99.9	CFMQ-FM	Regina, Sask.	92.1	CIEL-FM	Longueuil-Montreal, Que.	98.5	CKCU-FM	Ottawa, Ont.	93.1
CBF-FM	Montreal, Que.	100.7	CFMS-FM	Victoria, B.C.	98.5	CIFM-FM	Williams Lake-100 Mile House, B.C.	97.5	CKDS-FM	Hamilton, Ont.	95.3
CBH-FM	Halifax, N.S.	102.7	CFNN-FM	St. Anthony, Nfld.	97.9	CIGL-FM	Belleville, Ont.	97.1	CKFM-FM	Toronto, Ont.	99.9
CBJ-FM	Chicoutimi, Que.	100.9	CFNY-FM	Brampton-Toronto, Ont.	102.1	CIGM-FM	Sudbury, Ont.	92.7	CKGL-FM	Kitchener, Ont.	96.7
CBJS-FM	Sudbury, Ont.	98.1				CILQ-FM	Toronto, Ont.	107.1	CKLA-FM	Guelph, Ont.	106.1
CBFL-FM	Regina, Sask.	94.9				CIME-FM	Ste-Adele, Que.	99.5	CKLG-FM	Vancouver, B.C.	99.3
CBL-FM	Toronto, Ont.	94.9				CIMF-FM	Hull, Que.-Ottawa, Ont.	94.9	CKLW-FM	Windsor, Ont.	93.9
CBM-FM	Montreal, Que.	93.5							CKMF-FM	Montreal, Que.	94.3
CBN-FM	St. John's, Nfld.	106.9							CKNX-FM	Wingham, Ont.	106.9
CBF-FM	Ottawa, Ont.	103.3							CKO-FM-1	Ottawa, Ont.	101.7
CBQ-FM	Hull, Que.-Ottawa, Ont.	102.5							CKO-FM-2	Toronto, Ont.	97.1
CBR-FM	Calgary, Alta.	102.5							CKO-FM-3	London, Ont.	95.5
CBU-FM	Vancouver, B.C.	105.7							CKO-FM-4	Vancouver, B.C.	96.1
CBV-FM	Quebec, Que.	95.3							CKO-FM-5	Calgary, Alta.	103.1
CBW-FM	Winnipeg, Man.	98.3							CKO-FM-6	Edmonton, Alta.	101.9
CBZ-FM	Grand Manan, N.B.	98.3							CKOT-FM	Tillsonburg, Ont.	101.3
CBZF-FM	Fredericton, N.B.	101.5							CKO-FM	Montreal-Verdun, Que.	96.9
CBZ-FM	St. John's, N.B.	98.9							CKPC-FM	Brantford, Ont.	92.1
CBFC-FM	Saint John, N.B.	98.9							CKPV-FM	Povungnituk, Que.	—
CBFA-FM	Kitchener, Ont.	105.3							CKQM-FM	Peterborough, Ont.	105.1
CBFQ-FM	Trois-Rivieres, Que.	93.9									
CFV-FM	St. Andrews, Nfld.	97.7									
CFDL-FM	Deer Lake, Nfld.	97.9									
CFM-FM	Kamloops, B.C.	98.3									
CFGL-FM	Laval-Montreal, Que.	105.7									
CFLG-FM	Cornwall, Ont.	104.5									
CFLY-FM	Kingston, Ont.	98.3									
CFMC-FM	Saskatoon, Sask.	103.9									
CFMI-FM	New Westminster-Vancouver, B.C.	101.1									
CFMK-FM	Kingston, Ont.	96.3									
CFMO-FM	Ottawa, Ont.	93.9									

CANADIAN TV STATIONS BY LOCATION

Location	Call	Ch.	Location	Call	Ch.	Location	Call	Ch.	Location	Call	Ch.
Barrie, Ont.	CKVR-TV	3	Kitchener, Ont.	CKOO-TV	13	Red Deer, Alta.	CKRD-TV	6	Thunder Bay, Ont.	CHFD-TV	4
Brandon, Man.	CKX-TV	5	Labrador City, Nfld.	CBNLT	13	Regina, Sask.	CKRT	9		CKPR-TV	2
Calgary, Alta.	CBRT	9	Lethbridge, Alta.	CJOC-TV	7		CKOK-TV	12	Timmins, Ont.	CFCL-TV	6
	CFAC-TV	2	Lloydminster, Alta.	CITL-TV	4	Saint John, N.B.	CHSJ-TV	4	Toronto, Ont.	CBLT	5
	CFGN-TV	4		CKSA-TV	2		CKLT-TV	8		CFTO-TV	9
Charlottetown, P.E.I.	CBCT	13	London, Ont.	CFPL-TV	10	St. John's, Nfld.	CBNT	8		CICA-TV	19
Corner Brook, Nfld.	CBYTV	5	Medicine Hat, Alta.	CHAT-TV	6	Saskatoon, Sask.	CJON-TV	6		CITY-TV	79
Dawson Creek, B.C.	CJDN-TV	10	Moncton, N.B.	CKKW-TV	5		CBKST	11		CKGN-TV	22
Edmonton, Alta.	CBXFT	5	Montreal, Que.	CBMT	5		CFQC-TV	8	Vancouver, B.C.	CBUT	2
	CBXT	5		CFCF-TV	12					CHAN-TV	8
	CFRN-TV	3	Moose Jaw, Sask.	CBKMT	9	Sault Ste. Marie, Ont.				CKVU-TV	13
	CITY	13	North Bay, Ont.	CHNB-TV	10					KVOS-TV	12
Goose Bay, Nfld.	CFLA-TV	8	Ottawa, Ont.	CKNY-TV	6					CKEK-TV	6
Grand Falls, Nfld.	CFBN-TV	4		CBOT	4	Sherbrooke, Que.	CHLY-TV	7	Victoria, B.C.	CKY-TV	9
Hamilton, Ont.	CHCH-TV	11		CJH	13	Sudbury, Ont.	CKNC-TV	9	Whitehorse, Y.T.	WHTV-TV	9
Halifax, N.S.	CBHT	3	Pembroke, Ont.	CHRO-TV	13		CKSO-TV	5	Windsor, Ont.	CBET	9
	CJCH-TV	5	Peterborough, Ont.	CHEX-TV	12		CKYB-TV	5	Wingham, Ont.	CKNX-TV	8
	CFJC-TV	4	Prince Albert, Sask.	CKBI-TV	5	Swift Current, Sask.	CJFB-TV	5	Winnipeg, Man.	CKWT	6
	CHBC-TV	2	Prince George, B.C.	CKPG-TV	2	Sydney, N.S.	CBIT	5		CKND-TV	12
	CKWS-TV	11	Quebec, Que.	CFQM-TV	4		CJGB-TV	4		CKY-TV	7
				CKMI-TV	5	Terrace, B.C.	CFTK-TV	3	Yorkton, Sask.	CICC-TV	10
						Thompson, Man.	CESM-TV	2		CKOS-TV	5

WORLDWIDE SHORTWAVE STATIONS

kHz	Call	Name	Location	GMT	kHz	Call	Name	Location	GMT
120 Meter Band—2300-2495 kHz									
2340	—	R. West New Britain	Kimbe, Papua N.G.	1100	4885	HJIG	Ondas del Meta	Villavicencio, Colombia	0300
2360	TGBA	R. Maya	Huehuetenango, Guatemala	1130	4885	—	R. Republik Indonesia	Bukittinggi, Indonesia	1200
2375	—	R. Chimu	Kundiawa, Papua N.G.	1130	4890	—	National B.C.	Boroko, Papua NG	1100
2390	TGDF	LV Atitlan	Sancti Spiritus, Guatemala	1130	4895	—	R. Mozambique	Maputo, Mozambique	0430
2390	XEJN	R. Huayacocotla	Mexico City, Mexico	0130	4904	—	R. Nat. Tchadienne	N'djamena, Chad	0530
2410	—	R. Eastern Highlands	Goroka, Papua N.G.	1100	4908	—	R. Pnom Penh	Phnom Penh, Kampuchea	1400
2415	—	—	Wenzhou, China	1200	4911	—	R. Zambia	Lusaka, Zambia	0500
2428	—	R. New Ireland	Kavieng, Papua N.G.	1130	4915	—	R. Macapa	Macapa, Brazil	0830
2450	—	R. Western Highlands	Mt. Hagen, Papua N.G.	1100	4915	—	Ghana B.C.	Accra, Ghana	2230
2468	—	R. Northern District	Papondetta, Papua N.G.	1100	4920	—	—	Nanning, China	1300
2475	—	—	Zhejiang, China	1200	4925	—	Australian B.C.	Brisbane, Australia	1200
2510	—	Korean B.C.	Taegu, S. Korea	1230	4925	HJJU	Em. Meridiano 70	Harbin, China	1330
90 Meter Band—3200-3400 kHz									
3204	—	Nigerian B.C.	Ibadan, Nigeria	0530	4932	—	Nigerian B.C.	Benin City, Nigeria	2230
3205	—	R. Ribeiro Preto	Ribeiro Preto, Brazil	0200	4934	—	V. Kenya	Nairobi, Kenya	0330
3210	—	R. Mozambique	Maputo, Mozambique	0400	4940	—	RTV Ivoriennne	Abidjan, Ivory Coast	2330
3215	YVZV	Ondas Panamericana	El Vigia, Venezuela	1100	4940	HCXZ1	R. Nac. Ecuador	Quito, Ecuador	1100
3215	—	South African B.C.	Johannesburg, S. Africa	0400	4945	HJDH	R. Colesal	Naiva, Colombia	0300
3220	—	R. Marobe	Lae, Papua N.G.	1130	4946	—	V. Vietnam	Hanoi, Vietnam	1330
3223	—	R. Republik Indonesia	Mataram, Indonesia	1230	4950	—	R. Malaysia	Kuching, Sarawak	1400
3235	—	R. Clube Marilia	Marilia, Brazil	0130	4960	HCSE7	R. Federacion	Sucua, Ecuador	1130
3240	—	R. Republik Indonesia	Ambon, Indonesia	1300	4960	YVAO	R. Sucre	Cumana, Venezuela	0400
3245	YVKI	R. Libertador	Caracas, Venezuela	0300	4965	HJAE	R. Santa Fe	Bogota, Colombia	0300
3250	—	South African B.C.	Johannesburg, S. Africa	0400	4970	YVLK	R. Rumbos	Caracas, Venezuela	0200
3250	—	R. Republik Indonesia	Banjarmasin, Indonesia	1230	4975	OAX4H	R. Pacifico	Lima, Peru	0300
3260	HCOS4	LV Carrizal	Calcuta, Ecuador	0200	4980	—	Ghana B.C.	Accra, Ghana	0530
3275	—	R. Southern Highlands	Mendi, Papua N.G.	1200	4985	—	R. Brasil Central	Goiania, Brazil	0400
3275	YVMC	R. Mara	Maracaibo, Venezuela	0300	4990	—	R. RSA	Johannesburg, S. Africa	0400
3280	HCVN7	LV Napo	Tena, Ecuador	0200	4996	OAZ4C	R. Andina	Huancayo, Peru	0400
3289	—	R. Madagascar	Tananarive, Madagascar	0330	5000	WWV	Nat. Bureau Standards	Ft. Collins, USA	0500
3290	—	Guyana B.C.	Georgetown, Guyana	0830	5010	WWVH	Nat. Bureau Standards	Hawaii	1200
3300	TGNA	R. Cultural	Guatemala City, Guatemala	0300	5010	—	R. Garoua	Garoua, Camerouns	0430
3305	—	R. Western District	Daru, Papua N.G.	1200	5016	HJOX	R. Surcolombiana	Naiva, Colombia	0530
3306	—	Rhodesian B.C.	Gwelo, Rhodesia	0330	5020	OAX7Z	R. Juliaca	Juliaca, Peru	0330
3316	—	Sierra Leone, B.S.	Freetown, Sierra Leone	0630	5020	VQO5	Solomon Is. B.S.	Honiara, Solomon Is.	0830
3325	YVRA	R. Managas	Maturin, Venezuela	1000	5030	—	R. Reloj Continente	Caracas, Venezuela	0300
3325	HCHA2	Ondas Quevedenas	Quevedo, Ecuador	0500	5047	—	R. Togo	Lome, Togo	2200
3335	—	R. East Sepik	Wewak, Papua N.G.	1130	5052	—	R. Singapore	Singapore	1400
3345	—	R. Republik Indonesia	Pontianak, Indonesia	1300	5055	TIFC	Faro del Caribe	San Jose, Costa Rica	0230
3346	—	Zambia B.C.	Lusaka, Zambia	0400					
3350	—	Ghana B.C.	Accra, Ghana	0600					
3360	TGYN	LV Nahuala	Nahuala, Guatemala	0200					
3365	—	R. Republik Indonesia	Sorong, Indonesia	1300					
3380	—	Malawi B.C.	Blantyre, Malawi	0430					
3385	YVQI	R. Barcelona	Barcelona, Venezuela	0200					
3390	—	R. Zaracay	Sto. Dgo. Colorados, Ecuador	0300					
3396	—	Rhodesian B.C.	Gwelo, Rhodesia	0400					
3427	—	R. Republik Indonesia	Manokwari, Indonesia	1200					
3504	—	R. PDK. Banyuwangi	Banyuwangi, Indonesia	1230					
75 Meter Band—3800-4000 kHz									
3482	—	R. Padilla	Padilla, Bolivia	0100	5950	—	Guyana B.S.	Georgetown, Guyana	0845
3810	HD21OA	Time Station	Guayaquil, Ecuador	0800	5950	—	R. Nacional	Managua, Nicaragua	1100
3905	—	R. Manus	Lorengau, Papua N.G.	1200	5955	TIQ	R. Casino	Limon, Costa Rica	0500
3910	—	Far East Network	Tokyo, Japan	1200	5960	—	R. Canada Int.	Montreal, Canada	0000
3925	—	NSB	Tokyo, Japan	1100	5970	—	RTV Dominicana	Sto. Domingo, Dominican Rep.	0000
3945	—	R. Vila	Vila, New Hebrides	0930	5980	—	Sierra Leone B.S.	Freetown, Sierra Leone	2300
3952	—	British B.C.	London, England	2200	5980	OBX4M	R. Panamericana	Lima, Peru	1130
3960	—	R. Republik Indonesia	Palu, Indonesia	1300	5980	—	R. RSA	Johannesburg, S. Africa	2300
3980	—	Springbak R.	Johannesburg, S. Africa	0100	5985	WYFR	Family R.	Oakland, USA	0400
3985	HCERS5	Escuelas R. Populares	Riobamba, Ecuador	0330	5995	—	R. Australia	Melbourne, Australia	0900
3985	—	R. Republik Indonesia	Biak, Indonesia	1200	6000	—	R. Inconfidencia	Belo Horizonte, Brazil	0830
3995	—	Deutsche Welle	Cologne, W. Germany	2330	6010	—	R. Reloj	San Jose, Costa Rica	0500
3995	—	—	Huehuote, China	1200	6010	TIHB	R. America relay	Tinagan, Philippines	1100
60 Meter Band—4750-5060 kHz									
4680	HCWE1	R. Nac. Espejo	Quito, Ecuador	0400	6010	YVSB	R. Los Andes	Merida, Venezuela	0230
4750	—	R. Lubumbashi	Lubumbashi, Zaire	0400	6015	—	V. America relay	Tangier, Morocco	0500
4750	—	R. Bertoua	Bertoua, Cameroon	0500	6020	OAX4Q	R. Victoria	Lima, Peru	1100
4765	HCAJ2	CRE	Guayaquil, Ecuador	0300	6025	—	I. Portugal	Lisbon, Portugal	0530
4766	—	R. Republik Indonesia	Medan, Indonesia	1230	6030	CFVP	R. West	Calgary, Canada	1200
4770	YVNW	R. Bolivar	Ciu. Bolivar, Venez.	0330	6035	—	United Nations R.	New York, USA	0530
4775	—	Em. Kennedy	Bogota, Colombia	0230	6065	—	Canadian B.C.	Montreal, Canada	1200
4777	—	RTV Gabonaise	Libreville, Gabon	0200	6070	CFRX	—	Toronto, Canada	0500
4780	YVLA	LV Carabobo	Valencia, Venezuela	0200	6080	—	RTV Belge	Brussels, Belgium	0045
4780	HRZR	R. Judicialpa	Juticalpa, Honduras	0200	6080	CKFX	Super Country	Vancouver, Canada	1100
4781	HCVP2	Em. Atalaya	Guayaquil, Ecuador	1030	6090	—	R. Luxembourg	Luxembourg	0015
4790	OAX8F	R. Atlantida	Iquitos, Peru	0300	6100	YVTO	Time station	Caracas, Venezuela	0500
4790	—	R. Republik Indonesia	Fak Fak, Indonesia	1200	6105	—	R. New Zealand	Wellington, New Zealand	0900
4797	CP73	R. Nueva America	LaPaz, Bolivia	0200	6115	HJIA	LV Llano	Villavicencio, Colombia	0400
4800	YVMO	R. Lara	Barquisimeto, Venez.	0300	6120	LRX1	R. El Mundo	Buenos Aires, Argentina	1000
4820	HRVC	LV Evangelica	Tegucigalpa, Honduras	0400	6135	CE613	R. Universidad	Concepcion, Chile	1115
4825	TGMH	R. Mam	Cabrican, Guatemala	0230	6140	—	R. Melodia	Bogota, Colombia	0500
4825	HIFA	LV Fuerzas Armadas	Sto. Domingo, Dominican Rep.	0200	6150	—	Australian B.C.	Melbourne, Australia	1130
4832	TIHB	R. Reloj	San Jose, Costa Rica	0330	6150	HJFR	LV Huila	Naiva, Colombia	1100
4835	—	R. Nac. Boa Vista	Boa Vista, Brazil	0300	6155	—	Austrian R.	Vienna, Austria	0300
4835	TGTZ	R. Tezulutlan	Coban, Guatemala	1230	6155	WYFR	Family R.	Oakland, USA	0330
4840	YVQ1	R. Valera	Valera, Venezuela	0330	6160	CKZU	Canadian B.C.	Vancouver, Canada	1230
4845	HJGF	R. Bucaramanga	Bucaramanga, Colombia	0300	6175	OAX7C	R. Tawantinsuyu	Cuzco, Peru	1030
4850	—	SRS	Parimaribo, Surinam	0330	6180	TGWA	R. Nacional	Guatemala City, Guatemala	1100
4875	—	R. Republik Indonesia	Sorong, Indonesia	1300	6195	OAX7A	R. Cuzco	Cuzco, Peru	1030
4875	CP75	R. Cruz del Sur	La Paz, Bolivia	0130	6230	—	R. Cairo	Cairo, Egypt	0230
4880	YVMS	R. Universo	Barquisimeto, Venez.	0200					
49 Meter Band—5950-6200 kHz									
5950	—	Guyana B.S.	Georgetown, Guyana	0845	7065	—	R. Tirana	Tirana, Albania	0000
5950	—	R. Nacional	Managua, Nicaragua	1100	7105	—	British B.C. relay	Ascension Is.	0500
5955	TIQ	R. Casino	Limon, Costa Rica	0500	7130	—	British B.C.	London, England	0500
5960	—	R. Canada Int.	Montreal, Canada	0000	7135	—	R. France Int.	Paris, France	0530
5970	—	RTV Dominicana	Sto. Domingo, Dominican Rep.	0000	7145	—	Nigerian B.C.	Ilorin, Nigeria	0545
5980	—	Sierra Leone B.S.	Freetown, Sierra Leone	2300	7160	—	R. France Int.	Paris, France	0430
5980	OBX4M	R. Panamericana	Lima, Peru	1130	7170	—	R. Malaysia	Kuching, Sarawak	1230
5980	—	R. RSA	Johannesburg, S. Africa	2300	7170	—	R. Senegal	Dakar, Senegal	0630
5985	WYFR	Family R.	Oakland, USA	0400	7180	—	R. Noumea	Noumea, New Caledonia	1000
5995	—	R. Australia	Melbourne, Australia	0900	7225	—	R. Singapore	Singapore	1100
6000	—	R. Inconfidencia	Belo Horizonte, Brazil	0830	7255	—	Deutsche Welle	Cologne, W. Germany	0530
6010	—	R. Reloj	San Jose, Costa Rica	0500	7275	—	V. Nigeria	Lagos, Nigeria	0600
6010	YVSB	R. America relay	Tinagan, Philippines	1100	7275	—	RTV Tunisienne	Tunis, Tunisia	2200
6015	—	R. Los Andes	Merida, Venezuela	0230	7300	—	R. Tirana	Tirana, Albania	0300
6015	—	V. America relay	Tangier, Morocco	0500	7345	—	R. Prague	Prague, Czechoslovakia	0030
6020	OAX4Q	R. Victoria	Lima, Peru	1100	7500	YNG	Post Office time station	Melbourne, Australia	1130
6025	—	I. Portugal	Lisbon, Portugal	0530	7600	HD21OA	Time station	Guayaquil, Ecuador	0130
6030	CFVP	R. West	Calgary, Canada	1200	8000	JG2AE	Time station	Tokyo, Japan	0800
6035	—	United Nations R.	New York, USA	0530					
6065	—	Canadian B.C.	Montreal, Canada	1200					
6070	CFRX	—	Toronto, Canada	0500					
6080	—	RTV Belge	Brussels, Belgium	0045					
6080	CKFX	Super Country	Vancouver, Canada	1100					
6090	—	R. Luxembourg	Luxembourg	0015					
6100	YVTO	Time station	Caracas, Venezuela	0500					
6105	—	R. New Zealand	Wellington, New Zealand	0900					
6115	HJIA	LV Llano	Villavicencio, Colombia	0400					
6120	LRX1	R. El Mundo	Buenos Aires, Argentina	1000					
6135	CE613	R. Universidad	Concepcion, Chile	1115					
6140	—	R. Melodia	Bogota, Colombia	0500					
6150	—	Australian B.C.	Melbourne, Australia	1130					
6150	HJFR	LV Huila	Naiva, Colombia	1100					
6155	—	Austrian R.	Vienna, Austria	0300					
6155	WYFR	Family R.	Oakland, USA	0330					
6160	CKZU	Canadian B.C.	Vancouver, Canada	1230					
6175	OAX7C	R. Tawantinsuyu	Cuzco, Peru	1030					
6180	TGWA	R. Nacional	Guatemala City, Guatemala	1100					
6195	OAX7A	R. Cuzco	Cuzco, Peru	1030					
6230	—	R. Cairo	Cairo, Egypt	0230					
41 Meter Band—7100-7300 kHz									
7105	—	R. Tirana	Tirana, Albania	0000					
7105	—	British B.C. relay	Ascension Is.	0500					

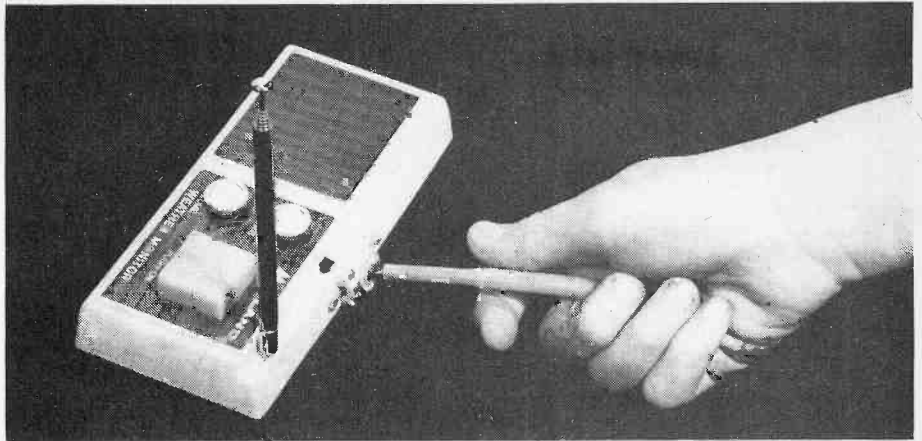
kHz	Call	Name	Location	GMT	kHz	Call	Name	Location	GMT					
31 Meter Band—9500-9775 kHz														
9022	—	R. Iran	Teheran, Iran	0100	11920	—	RTV Ivorienne	Abidjan, Ivory Coast	0700					
9360	—	Spanish Foreign R.	Madrid, Spain	0000	11930	ELWA	Sudan Interior Mission	Monrovia, Liberia	0630					
9410	—	British B.C.	London, England	0200	11935	—	Springbok R.	Johannesburg, S. Africa	0630					
9420	—	Korean Central B.S.	Pyongyang, N. Korea	0930	11935	—	R. Portugal	Lisbon, Portugal	0300					
9435	—	Israel B. Authority	Jerusalem, Israel	2230	11940	—	R. Bucharest	Bucharest, Romania	0400					
9475	—	R. Cairo	Cairo, Egypt	0200	11940	—	R. Singapore	Singapore	1500					
9500	—	People's Rev. B.S.	Tripoli, Libya	2300	11945	—	R. Canada Int.	Montreal, Canada	2100					
9505	HISD	RTV Dominicana	Sto. Domingo, Dominican Rep.	0000	11945	—	R. Peking	Peking, China	1200					
9505	—	R. Japan	Tokyo, Japan	1400	11965	—	R. Korea	Seoul, S. Korea	1130					
9515	—	V. Turkey	Ankara, Turkey	2130	11965	—	R. Lebanon	Beirut, Lebanon	0230					
9520	—	National B.C.	Boroko, Papua N.G.	0700	11975	—	R. Berlin Int.	Berlin, E. Germany	0330					
9525	—	R. Havana Cuba	Havana, Cuba	0600	12050	—	R. Kiev	Kiev, USSR	0300					
9525	—	Polish R.	Warsaw, Poland	0200	12070	—	R. Moscow	Moscow, USSR	2100					
9530	KGEL	V. Friendship	San Francisco, USA	1100	12085	—	R. Kuwait	Kuwait	1800					
9535	—	R. Canada Int.	Montreal, Canada	0100	19 Meter Band—15100-15450 kHz									
9545	—	Deutsche Welle relay	Antigua, West Indies	0530	15009	—	V. Vietnam	Hanoi, Vietnam	1800					
9545	—	Solomon Is. B.S.	Honiara, Solomon Is.	0730	15045	—	R. Peking	Peking, China	1800					
9550	—	R. Nacional	Santiago, Chile	1200	15080	—	B.S. Kingdom Saudi Arabi	Jeddah, Saudi Arabia	1230					
9560	HCJB	V. Andes	Quito, Ecuador	0130	15084	—	R. Iran	Teheran, Iran	1800					
9570	—	Trans World R.	Bonaire, Neth. Antilles	1000	15105	—	Israel B. Authority	Jerusalem, Israel	0345					
9570	—	Gronlands R.	Godthab, Greenland	2100	15110	—	Austrian R.	Vienna, Austria	1230					
9580	—	British B.C. relay	Ascension Is.	2300	15110	—	R. Prague	Prague, Czechoslovakia	1530					
9585	—	R. Budapest	Budapest, Hungary	0200	15115	HCJB	V. Andes	Quito, Ecuador	1400					
9585	—	R. Japan	Tokyo, Japan	0800	15120	—	Nigerian B.C.	Lagos, Nigeria	0500					
9590	—	R. Nederland relay	Bonaire, Neth. Antilles	0300	15120	—	Polish R.	Warsaw, Poland	0200					
9600	—	R. Peace and Progress	Moscow, USSR	0400	15130	—	V. Chile	Santiago, Chile	1130					
9605	—	R. Norway	Oslo, Norway	0000	15130	—	R. New Zealand	Wellington, New Zealand	0400					
9620	—	R. Yugoslavia	Belgrade, Yugoslavia	2200	15135	—	R. Sofia	Sofia, Bulgaria	2130					
9630	—	Spanish Foreign R.	Madrid, Spain	0500	15135	—	R. France Int.	Paris, France	0500					
9630	—	V. America relay	Tinang, Philippines	1500	15150	—	R. Peace and Progress	Moscow, USSR	1200					
9645	TIFC	Faro del Caribe	San Jose, Costa Rica	1100	15155	—	RTV Marocaine	Rabat, Morocco	2000					
9650	—	R. Nationale	Conakry, Guinea Rep.	2300	15165	—	R. Denmark	Copenhagen, Denmark	1730					
9655	—	V. Greece	Athens, Greece	0200	15170	—	R. Norway	Oslo, Norway	1200					
9655	—	R. Budapest	Budapest, Hungary	2100	15170	—	R. Tahiti	Papeete, Tahiti	0400					
9660	VLQ9	Australian B.C.	Brisbane, Australia	0900	15175	—	V. Chile	Santiago, Chile	0000					
9660	YVKM	R. Rumbos	Caracas, Venezuela	1200	15180	—	British B.C.	London, England	2000					
9675	—	R. Moscow	Moscow USSR	0700	15180	—	R. France Int.	Paris, France	0545					
9685	—	RTV Belge	Brussels, Belgium	0015	15190	—	V. Congolese Rev.	Brazzaville, Congo Rep.	2130					
9690	—	RAE	Buenos Aires, Argentina	0200	15195	—	Austrian R.	Vienna, Austria	2130					
9690	—	Cyprus B.C.	Nicosia, Cyprus	2200	15200	—	R. Finland	Helsinki, Finland	1430					
9690	—	R. Sweden	Stockholm, Sweden	2300	15205	—	R. Sweden	Stockholm, Sweden	2300					
9695	—	R. Rio Mar	Manaus, Brazil	0030	15225	—	R. Budapest	Budapest, Hungary	0130					
9705	XERMx	R. Mexico	Mexico City, Mexico	0200	15225	—	RVT Tunisienne	Tunis, Tunisia	0500					
9705	—	All India R.	New Delhi, India	1100	15230	—	Israel B. Authority	Jerusalem, Israel	2230					
9720	—	R. Korea	Seoul, S. Korea	1600	15250	—	R. Bucharest	Bucharest, Romania	1300					
9725	—	Swiss B.C.	Berne, Switzerland	0330	15270	—	R. Peking	Peking, China	1300					
9725	—	R. Singapore	Singapore	1100	15285	—	R. Bangladesh	Dacca, Bangladesh	1400					
9730	—	R. Berlin Int.	Berlin, E. Germany	0100	15300	—	R. France Int.	Paris, France	1630					
9730	—	R. Uganda	Kampala, Uganda	1930	15300	—	Far East B.C.	Manila, Philippines	1200					
9745	—	R. Baghdad	Baghdad, Iraq	2200	15315	—	RAI	Rome, Italy	0100					
9750	—	R. Tirana	Tirana, Albania	0000	15325	—	Uganda B.C.	Kampala, Uganda	0300					
9755	—	Far East B.C.	Manila, Philippines	1200	15330	—	R. Sofia	Sofia, Bulgaria	0000					
9760	—	V. Greece	Athens, Greece	0200	15335	—	R. Nacional	Bogota, Colombia	0230					
9770	4VEH	R. 4VEH	Cap Hatien, Haiti	1200	15335	—	All India R.	Madras, India	1130					
9780	—	R. Alma Ata	Alma Ata, USSR	0000	15345	—	R. Kuwait	Kuwait	0400					
9780	—	R. San'a	San'a, Yemen Arab Rep.	0400	15350	—	RT Luxembourg	Luxembourg	0000					
9805	—	R. Cairo	Cairo, Egypt	2230	15385	—	RAI	Rome, Italy	2300					
9815	—	Israel B. Authority	Jerusalem, Israel	2230	15390	—	R. Sweden	Stockholm, Sweden	0500					
9820	—	R. Peking	Peking, China	1000	15400	—	R. Peace and Progress	Moscow, USSR	1330					
10040	—	V. Vietnam	Hanoi, Vietnam	1100	15400	—	R. Nacional	Caracas, Venezuela	0000					
					15405	—	R. Pakistan	Karachi, Pakistan	1100					
					15425	—	Australia B.C.	Perth, Australia	0900					
					15425	—	R. Moscow	Moscow, USSR	1700					
					15460	—	Sri Lanka B.C.	Colombi, Sri Lanka	0130					
					15475	—	R. Tashkent	Tashkent, USSR	1200					
					15475	—	R. Cairo	Cairo, Egypt	1100					
					15485	—	Israel B. Authority	Jerusalem, Israel	2230					
					15550	—	R. Peking	Peking, China	0030					
					15790	—	V. Malayan Revolution	Clandestine	1015					

25 Meter Band—11700-11975 kHz									
11350	—	Korean Central B.S.	Pyongyang, N. Korea	1100					
11630	—	R. Cairo	Cairo, Egypt	0400					
11655	—	Israel B. Authority	Jerusalem, Israel	0500					
11678	—	R. Pakistan	Karachi, Pakistan	2100					
11695	—	R. Peking	Peking, China	1130					
11700	HILR	R. Clarin	Sto. Domingo, Dominican Rep.	2200					
11710	—	Trans World R.	Bonaire, Neth. Antilles	0400					
11710	—	R. Noumea	Noumea, New Caledonia	0700					
11715	—	Swiss B.C.	Berne, Switzerland	0200					
11720	—	R. Moscow	Moscow, USSR	0100					
11740	—	R. Australia	Melbourne, Australia	0830					
11740	—	All India R.	New Delhi, India	2200					
11745	—	R. RSA	Johannesburg, S. Africa	2200					
11755	—	Far East B. Associates	Victoria, Seychelles	0330					
11770	—	V. Nigeria	Lagos, Nigeria	0600					
11780	—	R. Nacional	Brasilia, Brazil	0130					
11780	KTWR	Trans World R.	Agana, Guam	1030					
11790	—	V. Indonesia	Djakarta, Indonesia	1400					
11800	HCJB	V. Andes	Quito, Ecuador	1200					
11800	—	R. Omdurman	Omdurman, Sudan	0700					
11810	—	All India R.	New Delhi, India	1430					
11815	—	Polish R.	Warsaw, Poland	0300					
11820	—	R. Afghanistan	Kabul, Afghanistan	1900					
11835	—	R. Australia	Melbourne, Australia	0930					
11835	4VEH	R. 4VEH	Cap Hatien, Haiti	1230					
11835	—	Sri Lanka B.C.	Colombo, Sri Lanka	1100					
11840	—	Spanish Foreign R.	Madrid, Spain	2200					
11840	—	R. Moscow	Moscow, USSR	0000					
11845	—	Vatican R.	Vatican City	0100					
11850	—	Deutsche Welle	Cologne, W. Germany	0930					
11850	—	R. Norway	Oslo, Norway	2200					
11855	—	B.S. Kingdom Saudi Arabi	Jeddah, Saudi Arabia	1930					
11860	ELWA	Sudan Interior Mission	Monrovia, Liberia	2100					
11860	—	Far East B. Associates	Victoria, Seychelles	1930					
11875	—	R. Japan	Tokyo, Japan	0930					
11880	—	R. Australia	Melbourne, Australia	1100					
11890	—	R. Berlin Int.	Berlin, E. Germany	0330					
11895	—	Austrian R.	Vienna, Austria	0130					
11900	—	R. RSA	Johannesburg, S. Africa	1400					
11905	—	R. Sweden	Stockholm, Sweden	0030					
11905	—	Deutsche Welle	Cologne, W. Germany	0530					
11910	—	R. Budapest	Budapest, Hungary	0200					
11910	—	Spanish Foreign R.	Madrid, Spain	0800					
11915	—	R. Gaucho	Porto Alegre, Brazil	2230					

16 Meter Band—17700-17900 kHz									
17635	—	R. Peking	Peking, China	0000					
17705	—	R. Peking	Peking, China	0230					
17710	—	R. Bangladesh	Dacca, Bangladesh	1700					
17710	—	R. Budapest	Budapest, Hungary	0200					
17715	—	V. Chile	Santiago, Chile	2200					
17715	—	Deutsche Welle	Cologne, W. Germany	0930					
17730	—	R. Iran	Teheran, Iran	0500					
17755	—	V. Chile	Santiago, Chile	1100					
17755	—	R. Japan	Tokyo, Japan	0100					
17770	—	RAI	Rome, Italy	0230					
17770	—	British B.C.	London, England	1030					
17795	—	R. Australia	Melbourne, Australia	0000					
17805	—	Family R.	Oakland, USA	0030					
17815	—	Austrian R.	Vienna, Austria	0600					
17825	—	R. Sofia	Sofia, Bulgaria	1900					
17830	—	R. Pakistan	Karachi, Pakistan	0230					
17840	—	Vatican R.	Vatican City	1115					
17855	—	Trans World R.	Agana, Guam	0030					
17870	KTWR	R. Finland	Helsinki, Finland	1430					

13 Meter Band—21450-21750 kHz									
21480	HCJB	V. Andes	Quito, Ecuador	1700					
21500	—	Deutsche Welle	Cologne, W. Germany	1030					
21560	—	RAI	Rome, Italy	1700					

ROCK BOTTOM COST HIGH BAND MONITOR



Getting bored by the temp-humidity index? Slide an inexpensive weather monitor up or down for some exciting signal hunting!

BECAUSE they're priced so low, generally from \$10 to \$20, the "weather monitor" has been a hot gift item for the electronics experimenter, so you probably have one. Tuning the weather station frequencies of 162.40 and/or 162.55 MHz, these small, inexpensive radios are supposed to keep you up to date on the latest weather conditions. But as you've probably discovered yourself, unless you're a boat owner with need for tide and sea conditions, you get a more up-to-date report from your local news station—AM or FM.

Also, reception is probably not all that great. The recommended receiver sensitivity for weather station reception is 0.6 μ V for a 50-mile range, and these inexpensive weather receivers can't get anywhere near this kind of sensitivity.

But there's no need to let an unused weather receiver sit on the shelf. Fortunately, very few models use crystal control tuning, and they are easily converted to a police or fire monitor, or even a sound channel receiver for the higher VHF TV stations. But remember, there won't be any super-sensitivity. TV stations might be received some 30 or 40 miles from the transmitter, but you'll have to be within 2 miles or so of the average police or fire transmitter to pick them up. If you live near an airport you might get coverage of the aircraft frequencies above 108 MHz, but with sharply reduced sensitivity.

The weather monitors are generally similar in electronic design, though the packaging might be anything from a cube to a desk-top pen holder. The circuits are bare-minimum superhet receivers with a local oscillator tuned over a limited range by a panel control. Generally, there are two panel controls, one for *volume* and one for *fine tuning*. The fine tuning knob might have calibrations for *both* weather frequencies, or no calibration at all. It doesn't make

any difference as long as the local oscillator is tunable.

To change the weather monitor tuning range, all you need do is connect a small external trimmer capacitor across the oscillator tuning capacitor—the fine tuning control. The value of capacitor will determine which frequencies are tuned. Keep in mind that as you tune lower in frequency the sensitivity is sharply reduced, particularly below about 160 MHz. A capacitor with a maximum value of 7 pF will get you down to the police/fire frequencies. A 60 pF maximum trimmer will get you about to the top of the FM band, but tuning will be extremely critical and sensitivity will be very low.

A 60 pF trimmer will also get you some of the TV sound carriers above 162 MHz. How can you receive signals above 162 MHz if the tuning range is lowered? Simple. The harmonics of the local oscillator are used to receive the TV stations. For example, if you lower the monitor's oscillator to, say, 100 MHz, the oscillator's harmonic output is also 200 MHz, and a very weak 300 MHz. (The monitor's front end appears to pass the frequencies above the design-range, 162 MHz, with greater sensitivity than lower frequencies.)

Tear It Down. To experiment you must first get the circuit out of its cabinet. Keep in mind these weather monitors are inexpensive and designed to be assembled quickly by unskilled workers. Don't go looking for tricky or difficult assembly sub-systems. Generally, one or two screws are all that's holding the cabinet together. If necessary, unsolder the speaker wires, battery wires and on-off switch wires, and remove the circuit board from the cabinet. Locate the trimmer capacitor used for the fine tuning and its two solder terminals. Solder a 3-in. length of solid, insulated wire to each terminal.

Check how the board fits the cabinet and mark the outside of the cabinet nearest the fine tuning. Drill two small

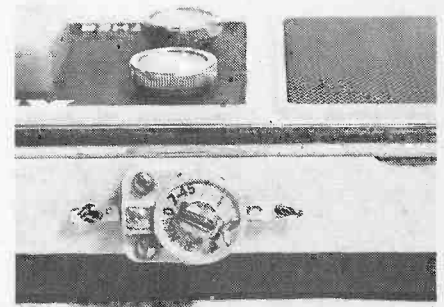
holes at the mark and then install a trimmer capacitor on the cabinet near the holes. Or, you don't have to secure the trimmer if you feel you will experiment with different capacitor values, but it will be difficult to tune the stations with a "floating" trimmer. You can't hand-hold the trimmer because the capacitance from your hand will affect the tuning adjustments.

Slip the wires from the fine tuning control through the holes you've drilled in the cabinet and seat the circuit board. Then reassemble the monitor.

Connect the wires protruding through the cabinet to the trimmer capacitor using the shortest possible leads (cut off the excess).

That's the whole bit. Use an insulated alignment-type screwdriver to adjust the trimmer. You'll probably be able to tune a few TV stations immediately. Tuning police/fire calls or anything else will be more difficult because transmissions in these services are short and fast. You can preset the tuning by using a signal generator or a well calibrated grid dip oscillator.

Remember, this is a fun project. Don't hope for more than acceptable reception. But then who knows, you might be able to tune your favorite TV channel and keep track of the program while working in your shop. ■



Install a small trimmer on the cabinet at a point just outside the internal trimmer.

LITERATURE LIBRARY

301. Get into the swing of microcomputer and microprocessor technology with *CREP's* new Program 680. New 56 page catalog describes all programs of electronics advancement.

302. Big catalogs are coming back. *Burstein-Applebee* will send you theirs. It's a parts bonanza every experimenter would want to see. Latest catalog is over 200 pages.

303. *Graymark's* catalog reveals a host of products and kits every experimenter would like to have. Unusual binary clock is a winner. A *must* catalog for the beginner.

304. *Dynascan's* new *B & K* catalog features test equipment for industrial labs, schools, and TV servicing.

305. A new 4-page directional beam CB antenna brochure is available from *Shakespeare*. Gives complete specs and polarization radiation patterns for their new fiberglass directional antennas.

306. *Antenna Specialists* has a new 32-page CB and monitor antenna catalog, a new amateur antenna catalog, and a complete accessory catalog.

307. *Atlas* calls their 210X and 215X the perfect amateur mobile rigs. Their 6-page, full-color detailed spec sheet tells all. Yours for the asking.

308. Your guide to equipment for radio communication is an informative product booklet offered by *R. L. Drake Co.* Hams and SWLers alike should scan this 20-page shopper's guide.

309. Now you have your computer talk back to you and like it. Speech circuit boards available from *Telesensory* provide audible 24 and 64-word vocabularies. Sorry, only male voice models available.

310. New and used personal computer machines, and peripherals you never dreamed existed, or were available are in the *Newman Computer Exchange* catalog. Get yours today.

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. *E.D.I. (Electronic Distributors, Inc.)* carries everything from semi-conductors to transformer/relays to video cameras. In prices ranging from 19¢ to \$500, products appear from over 125 electronic parts manufacturers. The catalog is updated 3 times a year.

313. Get all the facts on *Progressive Edu-Kits* Home Radio Course. Build 20 radios and electronic circuits; parts, tools, and instructions included.

314. Cover the Ham bands from 80 to 10-meters with one classy rig—*Swan Electronics'* 100-W 100 MX mobile transceiver. Get the details direct from *Swan*.

315. Develop insight into future trends of microcomputers with SYM-1 by *RNB Enterprises*. Large key pad, 1K static RAM, 6502 chip plus I/O for cassette, TV, CRT, and teletype.

316. Get the *Hustler* brochure illustrating their complete line of CB and monitor radio antennas.

318. *GC Electronics* offers an "Electronic Chemical Handbook" for engineers and technicians. It is a "problem solver" with detailed descriptions, uses and applications of 160 chemicals compiled for electronic production and packaging. They are used for all types of electronic equipment.

320. *Edmund Scientific's* new catalog contains over 4500 products that embrace many sciences and fields.

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* 1979 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. *Lafayette Radio's* 1979 catalog offers almost everything in hi-fi, CB, ham and many electronic parts. A product index will help you find anything from auto equipment accessories to wire wrapping tools.

327. *Avanti's* new brochure compares the quality difference between an Avanti Racer 27 base loaded mobile antenna and a typical imported base loaded antenna.

328. If you are into audio, ham radio, project building, telephones, CB or any electronics hobby you'll want *McGee's* latest catalog of parts and gadgets. Hard to find parts fill each page, so get a copy of the catalog from *McGee* today!

329. *Semiconductor Supermart* is a new 1979 catalog listing project builders' parts, popular CB gear, and test equipment. It features semiconductors—all from *Circuit Specialists*.

330. There are nearly 400 electronics kits in *Heath's* new catalog. Virtually every do-it-yourself interest is included—TV, radios, stereo and 4-channel, hi-fi, hobby computers, etc.

331. *E. F. Johnson* has a CB 2-way radio catalog to help you select equipment for your vacation, business travel, or normal day-to-day "bucking the mob."

332. If you want courses in assembling your own TV kits, *National Schools* has 10 from which to choose. There is a plan for GIs.

333. Get the new free catalog from *Howard W. Sams*. It describes 100's of books for hobbyists and technicians—books on projects, basic electronics and related subjects.

335. The latest edition of the *TAB BOOKS* catalog describes over 450 books on CB, electronics, broadcasting, do-it-yourself, hobby, radio, TV, hi-fi, and CB and TV servicing.

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.

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. Now you can get the "Break-through Book" with its 105 innovations in breadboarding and testing. *Continental Specialties*. The break-through is twofold—products and price!

359. *Electronics Book Club* has literature on how to get up to 3 electronics books (retailing at \$58.70) for only 99 cents each . . . plus a sample Club News package.

361. "Solving CB Noise Problems" is published by *Gold Line* and tells you how to reduce the noise and get a clearer signal. In discussion and diagram you can find out about the kinds of noise, their sources, and the remedies.

362. *B&F Enterprises'* Truckload Sale catalog offers 10% off all merchandise: (military or industrial surplus) speaker kits, TV games, computer terminals, tools, TV components, lenses, and more.

364. If you're a component buyer or specifier, you'll want this catalog of surplus bargains: industrial, military, and commercial electronic parts, all from *Allied Action*.

365. *Electronic Supermarket* has a new catalog of almost everything in the field—transformers, semi-conductors, tv parts, stereos, speakers, P.C. boards, phones, wire and cable, tools, motors.

366. How about a hybrid 13-watt audio module for \$8.88? Or ultrasonic transducer for \$1.49? You find these and other exotic parts and products aplenty in *Poly Paks* flyer. Get your copy now!

367. *Optoelectronics'* new catalog features their new Frequency Counter, a 6-digit clock calendar kit, mobile LED clock, biorhythm clock, digit conversion kit, and many others.

371. Your computer system needn't cost a fortune. *Southwest Technical Products* offers their 6800 computer complete at \$395 with features that cost you extra with many other systems. Peripheral bargains are included here.

372. See how you can save with *Olson's* "Erector Kit" Computer System; also their factory wired version which includes a 2-volume Bell & Howell instruction course. Send for information.

373. *ETCO* has a Grand Opening Catalog which anyone in the electronics field shouldn't miss. Full of all kinds of products from surplus and warehouse sales, they claim everyone is a bargain.

374. *Radatron's* Catalog 1006 lists many projects from a self-contained portable lab station for an electricity-electronics course to many texts, lab manuals, and applied activities.

375. *Compucolor Corp.* has a personal computer system with an 8-color integral display, a type-writer-like keyboard, and a mass storage device. Programs are ideal for checkbook and income tax figuring.

376. *Sparkomatic* offers all the car sounds for the "travelin' man"—speakers, amplification systems, radios, speaker accessories along with CB antennas, all presented in 4-color pics with descriptions.

377. We can't enumerate all the products in *John Meshna, Jr.'s* catalog of surplus electronic parts: power supplies; computer keyboards; kits for alarms, clocks, speakers; and more.

378. *Delta Electronics* is a complete parts source for electronics experimenters. Discrete parts, modules, boards, subassemblies and complete gadgets. Get *Delta's* 120-page catalog today.

379. There's everything in the area of musical synthesizers for drums, strings, other instruments and full orchestras, as well as audio gear, video display modules, and a computer in *PAIA Electronics'* catalog.

380. If your projects call for transistors and FETS, linear and digital ICs, or special solid-state parts, then look into *Adva Electronics'* mini-catalog for rock bottom prices.

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Atronic CW Readout

(Continued from page 56)

above it seems to be flashing off and on at about the same rate as the *dots* in the received morse code. Then, adjust the *level* control until the LED above that control blinks on and off in time with the received signal—on whenever a dot or dash is sent, and off when the station is between letters.

You should be seeing letters and/or numbers blinking on the 16-segment LED. At this point, it may be necessary to readjust the controls to decode as best as conditions allow. A good signal, with no interference, and sent properly, can be decoded 100%.

QRN (which is shortwave slang for static interference) and *QRM* (meaning man-made interference from another station) will both hurt operation of the code reader to some extent. If the *QRN* level is too high, bringing the background noise up to or even peaking beyond the signal strength of the station to be decoded, it will be difficult to get an accurate level. What can really mess things is two or more stations both within the passband of your receiver. Simply put, the poor code reader doesn't know who to listen to first.

Even with the high *QRN/QRM* levels found on the ham radio bands, our test facilities were able to utilize the code reader in more than seventy per-

cent of received signals that were copyable by ear. Even a very weak (S-4) station in Norway on 15 Meters was able to be copied via the reader.

A very nice feature is that there is a *speed* margin of 70% to 140%. This means, if you are copying one side of a two-way code contact which is being sent at 20 wpm, you do *not* have to readjust the settings—if the other fellow is sending from 14 to 28 wpm.

There are also special characters used mainly in ham radio transmissions, though some utilities also make use of them. These are AS (meaning *wait* and displayed as an arrow); BT (which stands for *break between thoughts* displayed as a dash); and AR (which means *end of transmission* and is displayed as a square).

Roll Your Own? The Atronic Code Reader is available as a kit for \$149.00 or fully assembled as \$225.00. The kit version went together quite nicely.

If you have a few Heathkits under your belt, and if you've done any integrated circuit PC board wiring, you should be able to put the code reader together in an evening. However, this is a kit which requires much attention to detail. Every single step is *not* spelled out for you and/or illustrated. You receive two PC boards (the main board and the readout board), all parts, a schematic diagram, a component side diagram, and five pages of instructions.

Other options are available as accessories from Atronic. An electronic keyer module (that includes a speaker)

will turn the code reader into a code sender as well (for \$29.00). If you'd like hard copy of your listening activity then Atronic offers a Teletype Interface Module, for \$85.00, which will turn your teletype into a decoding demon.

For more information on the Atronic Code Reader, write direct to the company at Bldg. E, Suite 1103, Canada Business Center, 22600 Lambert St., El Toro, California 92630—or circle number 119 on the Reader Service Card. ■



BCB Booster

(Continued from page 52)

direct signal pickup by L1 will be sufficient. If greater sensitivity is needed connect 6 to 15 feet of wire to BP1. If you connect a longwire antenna take note; the signal level out of the booster can be so high as to overload the receiver.

If there is a strong local station in your area it's possible that the signal strength will be boosted to a level that swamps the receiver when listening to a weak signal on the other end of the dial. If this happens simply detune the

booster away from the strong signal's frequency until the interference is reduced or eliminated. While this might sacrifice some gain on the desired station, the loss will probably be slight.

It is possible for the booster's output to radiate back to its input (particularly when using a loopstick coupling coil). You'll know when this happens—the booster breaking into self-oscillation—if the receiver gets "blocked," or off-frequency signals get tuned in and lost as C1 is adjusted. If this problem occurs, position the booster as far as possible from the receiver and keep any external antenna, if used, away from the receiver and booster's output cable.

Under certain conditions the *Super BCB Booster* will provide an additional benefit which should not be construed as improper operation. Some inexpensive receivers are highly prone to "marine band" image interference when signals at the high end of the broadcast band are received. The booster, by providing tuned preselection, suppresses or eliminates these interference-causing image signals while providing amplification to broadcast signals. Don't assume the loss of image signal reception means reduced sensitivity. Actually, the desired signal will be getting full boost while the image interference is squashed. ■

White's Radio Log

(Continued from page 115)

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Aids to DX

(Continued from page 60)

Record-Keeping Aids. Sooner or later you will realize the necessity of keeping track of at least some of the stations you have heard and at what time of day and frequencies you received them on. Thus the need of a log. Like station or chures. Others are handy little folders and some are simply mimeographed lists. Your problem is to find some way of keeping them in order and available for ready-reference. After trying a number of things, I finally settled on a large 8½ by 11-inch looseleaf binder. I have it indexed by continents and place the literature inside in various ways. Some I punch and, others I paste on a blank page and a few I put into a page with a pocket stapled to it. All are alphabetically placed, by continent.

Listening Post Aids. When you start your shortwave listening, you won't need much space—a corner of the kitchen table or a shelf in the den. But as you get more involved with DXing, the more additional objects and devices target lists, every experienced DXer has his own idea about the form a log should take. In fact, many DXers combine their station or target list with a log. Others, like myself, have a separate log to use as a permanent record.

Why a record of what you have heard? First, if you are sending in QSL reports and hoping to get verifications in return, the log tells you the date you sent the report in and gives you an idea of whether the verification is overdue. You may, as I have, used an old address and the log tips you off as to when it is time to check up on your report.

Another valuable thing about a log is in looking up the stations you have previously heard. Your log will tell you the time you heard them and which frequency came through for you at that particular time of the year. Finally, if you are a member of a SWL club, you may be trying to qualify for a DX

award and a record of your receptions and verifications will be a virtual necessity for this.

In addition to a log, I find two other record-keeping devices helpful. One is a small looseleaf notebook, indexed by the day of the week, to record specific programs that I wish to tune in to regularly. I simply jot down the name of the program, time and frequency and thus have a quick-reference source to my favorite listening.

The other record-keeping device you will need is a place to keep station programs. As you begin to receive verifications from your QSL reports, you will begin to collect all kinds of literature about the stations, their full range of frequencies and their broadcasts. Some of these are elaborate, full-color bro- you find yourself having to cope with. You may add some other electronic gear, such as an antenna tuner or a calibrator. Now you not only need more physical space but you have the additional wires to plug in. And then there's the tape recorder and headphones, and all the reference material mentioned above needs some place to be kept and yet handy to get at. Unless you organize your listening post, you will suddenly find yourself in the midst of terrific clutter.

My set-up is a simple 5½-foot long table, built in against the wall of my den. On top of the table is a 10" wide shelf, raised 10" above the table-top. I place my receiver on this shelf which puts it at eye-level. A desk lamp also sits up on the shelf and I have plenty of room to add any other electronic equipment there also.

Underneath the shelf, I have all the room I need for my reference books, tape recorder, etc. I have lots of desk space in front of the shelf and also a place to rest my elbows while tuning my receiver. Finally I have a multiple outlet panel to take the various electrical plugs. I recommend the type that has a three-way plug and its own fuse. One final suggestion. Put an executive desk-type chair on your Christmas list and then you're set for many relaxed hours of fun and DXing.



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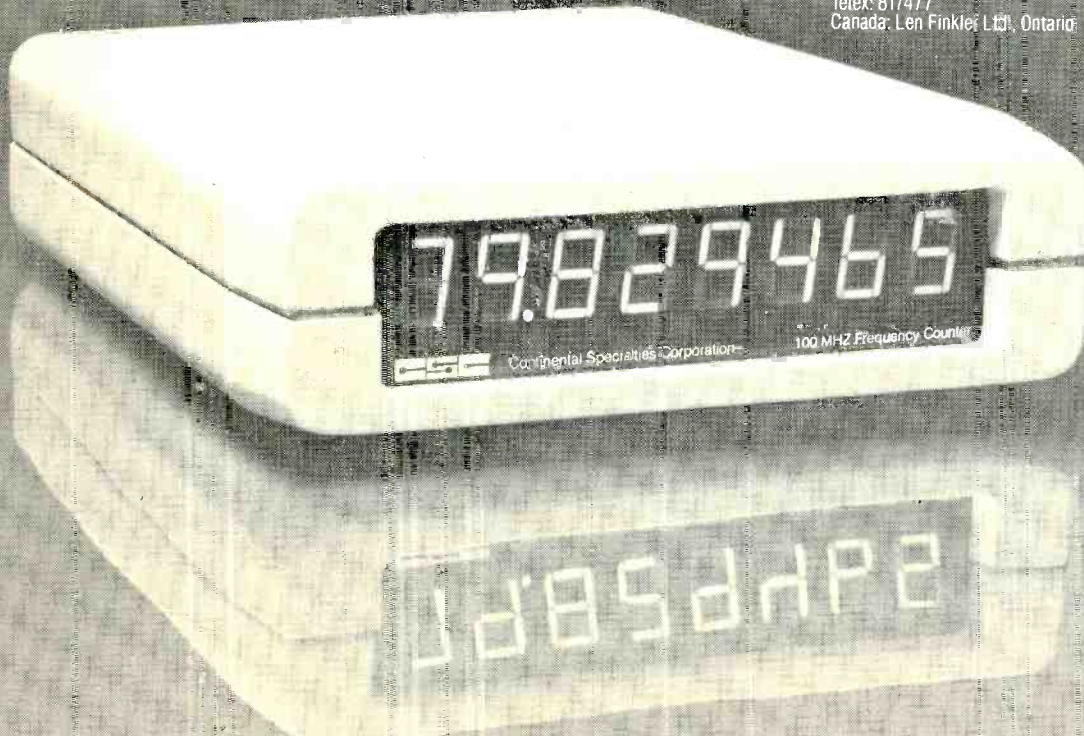
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