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WHITE'S RADIO LOG
AM-FM-TV-SHORTWAVE

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while it is happening!

Monitor Fire, Police, Aero,
Coast Guard, Taxi, Weather,
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Two-way radio action
that's making news!

26th
ANNIVERSARY
ISSUE



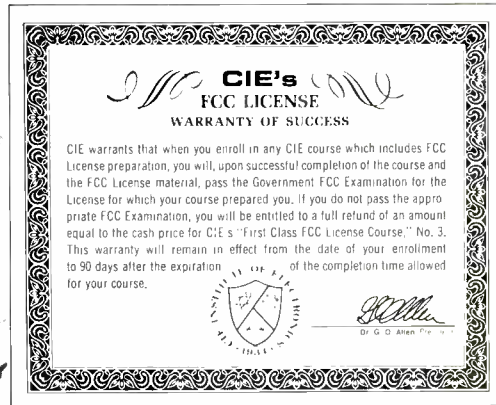
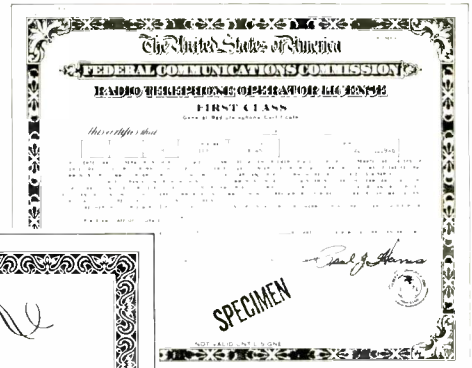
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ON OUR COVER:
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Pearce-Simpson Super Lynx
Tenelec MCP-1 Scanner



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(and stay out of trouble with the FCC)



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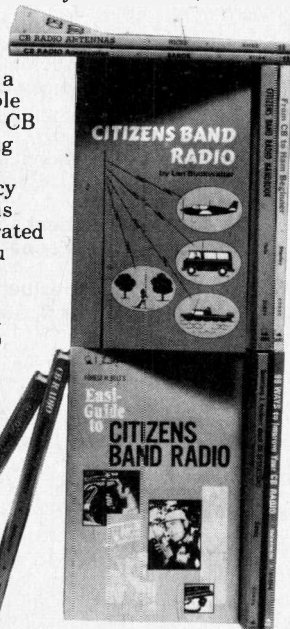
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FALL/WINTER 1976

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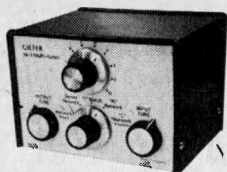
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Barlow Wadley XCR-30 Receiver



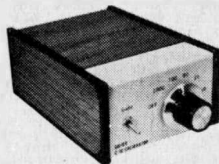
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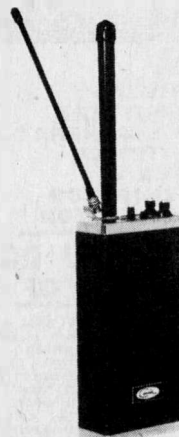
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the Easel probe to find the correct paper grades for black-and-white projection printing. The Model 200 sells for \$87.50. Two accessory probes, priced at \$10.50 each, are also available. A special density probe and a simple pin-hole light box provide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

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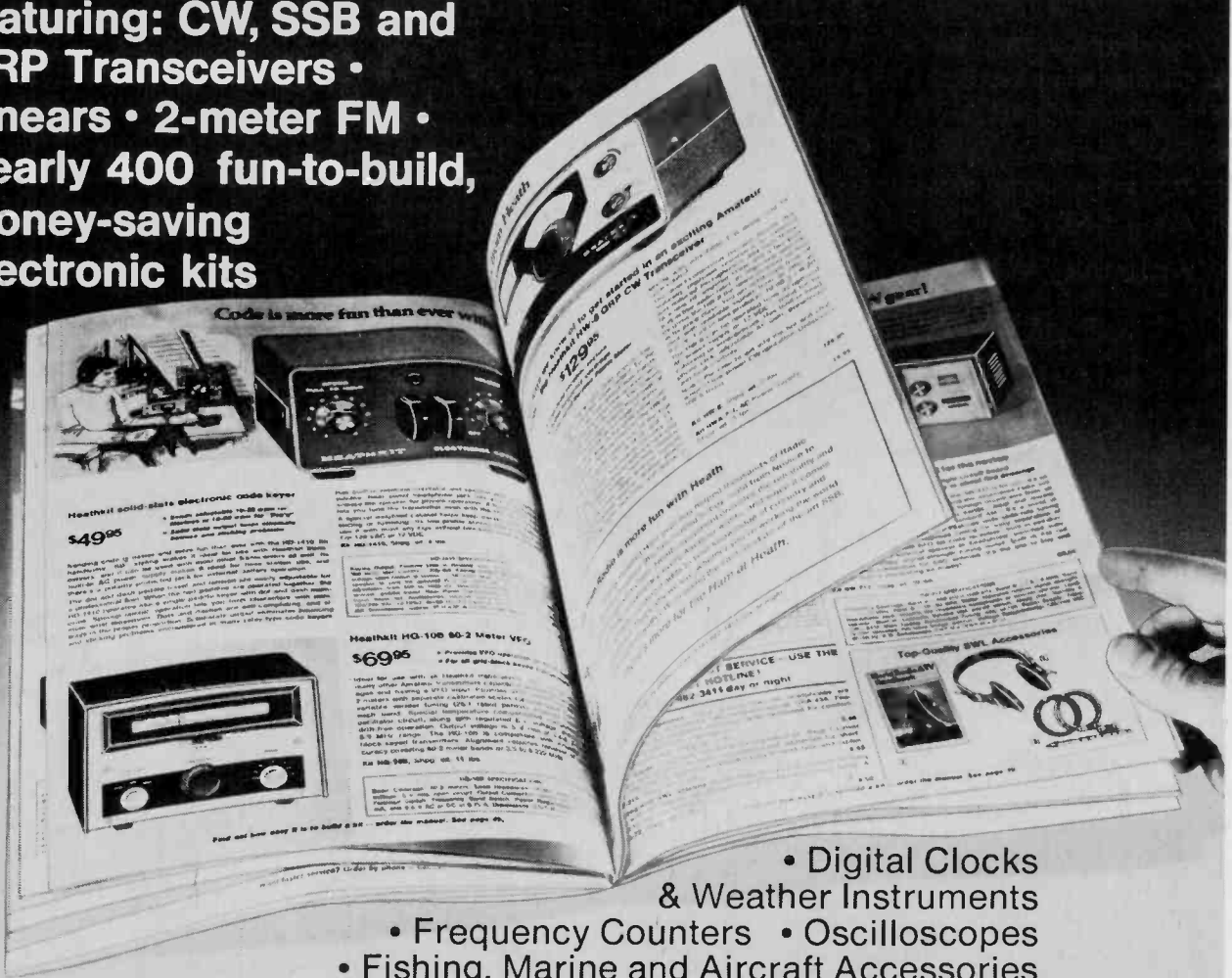
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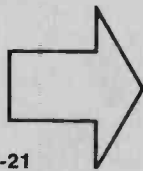


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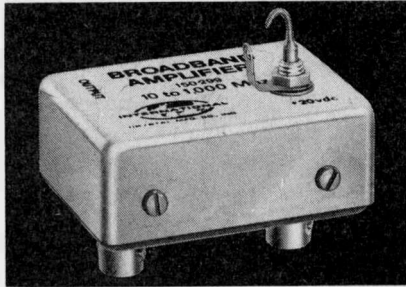


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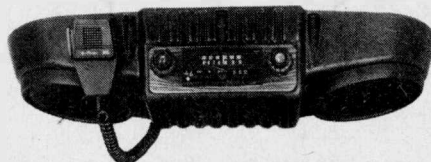
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New Products

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

Stereo Entertainment Center

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



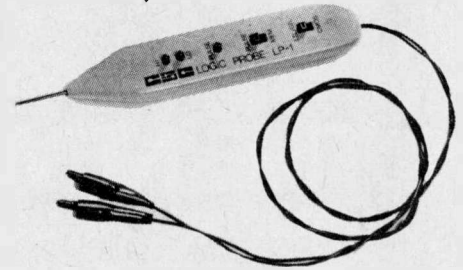
CIRCLE 46 ON READER SERVICE COUPON

ter's handsome, sculpted black grain casing incorporates a pair of air-suspended speakers which are mounted at a special angle, to offer optimum sound reproduction. Web cushions separate the speaker voice cone from the frame, creating a better base response. This self-contained unit attaches easily to the roof panel, offering free access to front panel controls for both driver and passenger. Overall dimensions are 24 inches long by 5¼ inches deep by 9 inches wide. Price is \$39.95. For complete information on the Stereo Entertainment Center, write Dept. P, J.I.L., 737 West Artesia Blvd., Compton, CA 90220.

Logic Probe

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

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

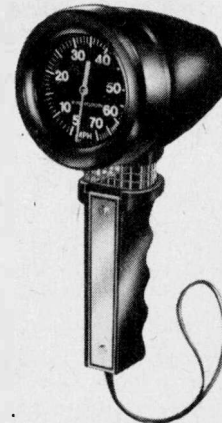


CIRCLE 53 ON READER SERVICE COUPON

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

Wind Speed Meter

A new hand-held Wind Speed Meter is being offered by Edmund Scientific. It weighs one pound, has a big easy-to-read dial-type meter and is sensitive enough to catch a five-mph breeze, yet rugged enough to stand up to a 70-mph gale. Accurate to ± 3% of full scale (2.1 mph), the Wind Speed Meter requires no batteries, electrical circuits, adjustments, or recalibration. Priced at only \$19.95, it is 7½ inches high and is as mobile as a person's hand. It's



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so simple to use that it requires no instructions. Just point the meter to the wind and read the speed within two seconds. Marine bronze and brass are used for all critical moving parts. Equipped with a security strap, the meter is completely self-contained and comes in an attractive black plastic case. The Wind Speed Meter (Stock No. 42,428) is available by mail for \$19.95 postpaid from Edmund Scientific Co., 380 Edscorp Bldg., Barrington, N.J. 08007.

When the world talks, you can listen...



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

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

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

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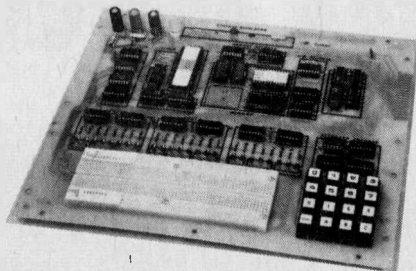
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HIGH BLOOD PRESSURE.
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New Products

Microcomputers for Beginners

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



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

Portable Radio/Recorder

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



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

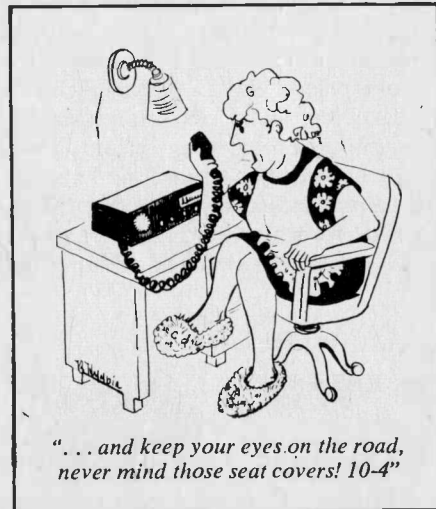
Cassette Editor and Winder Kit

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



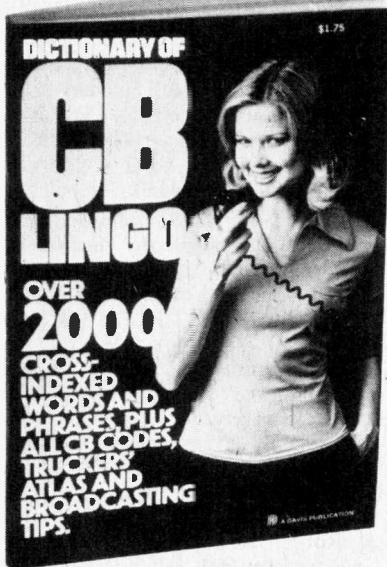
CIRCLE 57 ON READER SERVICE COUPON

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



"... and keep your eyes on the road, never mind those seat covers! 10-4"

No CBer will want to pass this up!



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CWFW6



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

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

\$10 and Up!

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

—B. B., Las Vegas, NV

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

Penny Saved is a Dollar Lost

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

—J. S., Auburn, AL

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

One Will Work

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

—K. H., Turnersville, NJ

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

Likes Our Work

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

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

TV Shoots Down Aero

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

—R. G., Cohasset, MA

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

Likes to Carry Weight

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

—F. S., Houston, OH

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

AM Listener

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

—D. H., Quebec, Canada

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

Lend a Hand

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

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

▲ Have you anything on an old Echo-phone Commercial Model EC-3 commu-

nications receiver? If yes, write to Peter N. Dutton, RFD 3, Box 428, Rochester, NH 03867.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Radio, together with its younger brother, television, made almost instan-

taneous worldwide communication possible. And, as a by-product of that, DXers can thank him for making this whole radio listening hobby possible too.

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

The basic idea didn't belong to Hertz. Another scientist, James Clark Maxwell, had predicted the existence of

such waves some 20 years earlier. But Hertz demonstrated to the world that electromagnetic waves did exist.

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

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

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

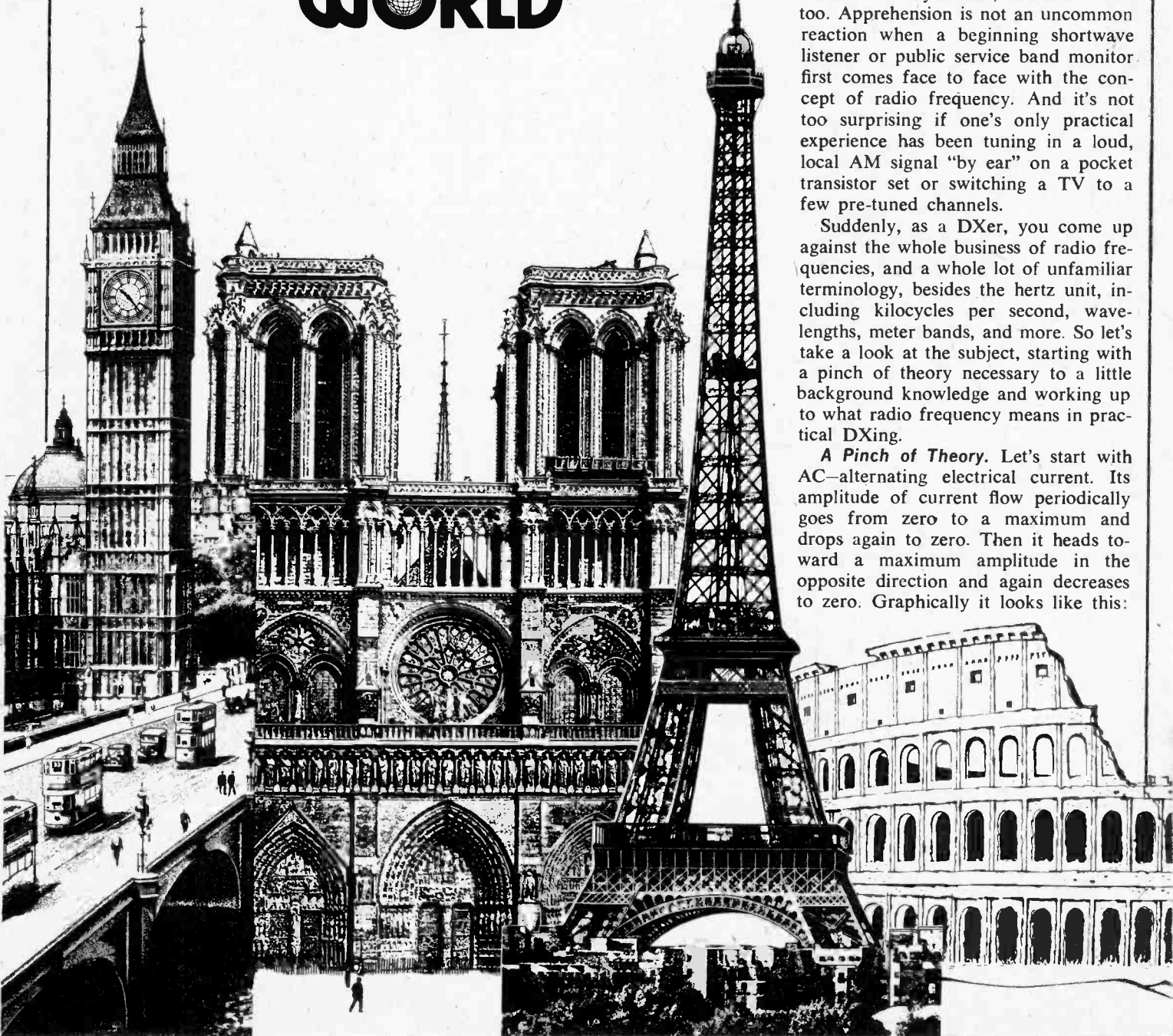
And to many DXers, that hertz hurts too. Apprehension is not an uncommon reaction when a beginning shortwave listener or public service band monitor first comes face to face with the concept of radio frequency. And it's not too surprising if one's only practical experience has been tuning in a loud,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

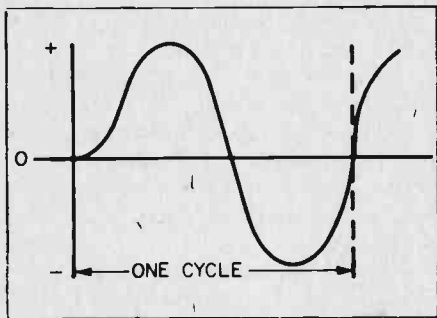
Suddenly, as a DXer, you come up against the whole business of radio frequencies, and a whole lot of unfamiliar terminology, besides the hertz unit, including kilocycles per second, wavelengths, meter bands, and more. So let's take a look at the subject, starting with a pinch of theory necessary to a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

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

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COMMUNICATIONS WORLD





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

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

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

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

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

Let's not get hung up on the business of transmitting a radio signal, or how the program or message goes from

transmitter to your antenna. There are plenty of good theory books, some suitable for the non-technical types too, which adequately explain that. Suffice it to say that a current flow is induced on your antenna and when the receiver's circuits are properly adjusted. That is, when you've tuned the proper frequency, you should hear the radio signal.

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

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

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

$$\text{Frequency in kHz} = \frac{300,000}{\text{Wavelength in Meters}}$$

$$\text{Wavelength in Meters} = \frac{300,000}{\text{Frequency in kHz}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

FROM BOTTOM TO TOP

Where to DX from 540 kHz to above 30,000 kHz

kHz	TYPE OF DX	kHz	TYPE OF DX
540-1605	Broadcast	9775-10000	Broadcast, Utility
1605-1800	Utility	10000-11700	Utility
1800-2065	Amateur, Utility	11700-11975	Broadcast
2065-2300	Utility	11975-14000	Utility
2300-2500	Broadcast, Utility	14000-14350	Amateur
2500-3200	Utility	14350-15100	Utility
3200-3400	Broadcast, Utility	15100-15450	Broadcast
3400-3500	Utility	15450-17700	Utility
3500-3900	Amateur, Utility	17700-17900	Broadcast
3900-4000	Amateur, Broadcast, Utility	17900-21000	Utility
4000-4750	Utility	21000-21450	Amateur
4750-5060	Broadcast	21450-21750	Broadcast
5060-5950	Utility	21750-25600	Utility
5950-6200	Broadcast	25600-26100	Broadcast
6200-7000	Utility	26100-26960	Utility
7000-7100	Amateur	26960-27230	Amateur, Citizens Band
7100-7300	Amateur, Broadcast	27230-28000	Utility
7300-9500	Utility	28000-29700	Amateur
9500-9775	Broadcast	29700-30000	Utility
		Above 30000	Amateur, Utility, Broadcast

WHERE TO TUNE FOR THE SW UTES

Frequencies in kHz

POINT-TO-POINT	
2,000-2,170	11,400-11,700
2,195-2,498	11,975-12,330
2,505-2,625	13,360-14,000
2,650-2,850	14,350-14,990
3,155-3,400	15,450-16,460
3,500-4,063	17,360-17,700
4,438-4,650	19,030-19,990
4,750-4,995	20,010-21,000
5,005-5,450	21,750-21,850
5,730-5,950	22,720-23,200
6,765-7,000	23,350-24,990
7,300-8,195	25,010-25,070
9,040-9,500	25,110-25,600
9,775-9,995	26,100-27,500
10,100-11,175	29,700-30,005
MARITIME	
4,231-4,438	12,689-13,200
6,345-6,525	16,917-17,360
8,459-8,815	22,374-22,720
AERONAUTICAL	
2,850-3,155	10,005-10,100
3,400-3,500	11,175-11,400
3,800-3,950	13,200-13,360
4,650-4,750	15,010-15,100
5,480-5,730	17,900-18,030
6,525-6,765	21,850-22,000
8,815-9,040	23,200-23,350

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

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

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

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

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

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

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

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

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

Loose Lips Sink Ships. However, there

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

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

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



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	Empresa Nac. de Telecommunications	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

VERY LOW FREQUENCY DXING

The very low frequencies 3 to 30 kHz are off the beaten track but there are some DXers who prowls 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

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

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

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

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

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

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

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

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

This DXing setup is certainly neat. So it comes as no surprise to learn that its owner, Clarence Gouger Sr., is, by occupation, a custodian. "I've always liked radios," Clarence says, "and I know DXing is a good pastime." The large radio on the left is a Telefunken four-bander. On the desk are Clarence's shortwave sets, a Lafayette HA800B and a Hallicrafters S40. On top are two Regency Monitorradios, one for the VHF low band, the other for the high band.

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

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

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

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

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

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

COMMUNICATION

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

COMMUNICATION

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



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

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

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

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

THE INTERNATIONAL MORSE CODE

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

A	..-	S	...-
B	-...-	T	-
C	-.-.-	U	..-
D	...-	V	...-
E	..	W	..-.
F	...-	X	..-.
G	...-	Y	..-.-
H	Z	...-
I	..	1-
J	...-	2	...-
K	...-	3	...-
L	...-	4	...-
M	...-	5	...-
N	...-	6	...-
O	...-	7	...-
P	...-	8	...-
Q	...-	9	...-
R	...-	0	...-
Period	..-.-		
Comma	..-.-		
Question mark	...-		
Quotation mark	..-.-		
Colon	...-		
Semicolon	..-.-		
Parenthesis	..-.-		
Wait Sign (AS)	...-		
Double dash (Break)	...-		
Error (Erase sign)	...-		
Fraction bar (slash)	...-		
End of message (AR)	...-		
End of transmission (SK)	...-		
International Distress Signal (SOS)	...-		

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

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

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

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

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

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

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

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

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

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

The primary *CIRM* radio frequency

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

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

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

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

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

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

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

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

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

- *Radio Portugal*: 13,875 kHz

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

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

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

- *Radio Pyongyang*: 3,560 kHz (Pyongyang, North Korea)

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

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

The answer, though, seems far more "scrutable." The backwards *Radio Peking* programs, aired by the feeder sta-

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

tions, would be taped at the remote locations in China. But, being taped in reverse it meant that they would not have to be rewound before rebroadcasting. The engineers at the relay station simply flip the single-track tape over and let it roll.

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

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

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

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

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

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

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

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

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

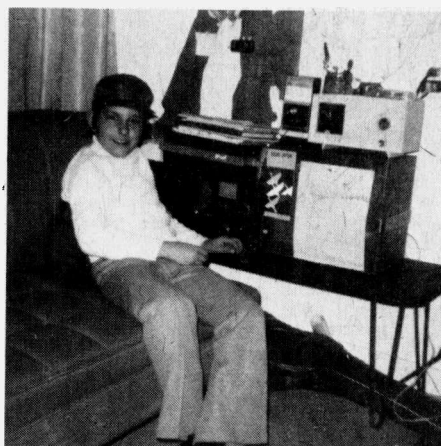
The Coast Guard has its land and sea based stations as well. But don't take the "sea" business too literally. Every U.S. Coast Guard station along the Atlantic, Pacific, and Gulf of Mexico coastlines has its radio communications, as do the cutters operating on the high seas. But the Coast Guard is also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

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

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

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

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



MILITARY UTILITY SW FREQUENCIES

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

US AIR FORCE	4,720-4,750	11,175-11,275
	6,710-6,760	13,200-13,250
	8,975-9,025	15,010-15,040
US NAVY	5,600-5,700	11,250-11,275
	6,690-6,725	13,200-13,250
	8,760-9,000	17,775-18,025
BRITISH NAVY	4,301	6,393.5
	6,362	8,534
		10,270-10,470
BRITISH AIR FORCE	4,615	6,407.5
	5,695.5	9,033.5
		10,165
CANADIAN NAVY	4,307	6,445
	6,386.5	8,662
		10,945
CANADIAN AIR FORCE	4,703.5	11,209
	6,685	13,231
NORWEGIAN NAVY	4,562.5	5,809
DUTCH NAVY		5,365
AUSTRALIAN AIR FORCE		5,755
SOUTH AFRICAN NAVY	4,346.5	6,386.5
RUSSIAN NAVY		6,608
DANISH AIR FORCE		6,729.5
FRENCH NAVY	8,554	8,666
		12,724
NEW ZEALAND NAVY		12,718.5
CHILEAN NAVY		13,041
ISRAELI NAVY		17,052

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

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

- *Pacific Missile Firing Range Network:* "Plead Control" (Pt. Mugu, CA), "Outrider Control" (Barking Sands, HI).

- *Strategic Air Command:* "Skyking" (general call for airborne aircraft), "Outway" (Offutt AFB, NE), "Retail" (Barksdale AFB, LA), "Democrat" (March AFB, CA).

- *Other Air Force "tacticals":* "Beaver Operations" (Ellsworth AFB, SD), "Letterman" (Hickam AFB, HI), "Hornpipe" (Cannon AFB, NM),

- *Air Force Tactical Air Command:* "Mainsail" (general call), "Fireside 1" (Langley AFB, VA), "Fireside 5"

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

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

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

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

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

COASTAL RADIO STATIONS ON SHORTWAVE

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

LOCATION	CALL	FREQUENCY (kHz)
San Miguel, Azores	CUG	6,393.5
Funchal, Madeira	CUB	6,393.5
		8,461
Havana, Cuba	CLQ	6,435
Lisbon, Portugal	CUL	8,490
Norddeich, W. Germany	DAL	6,456.5
		8,511.9
Navotas, Philippines	DZN	8,584
Manila, Philippines	DZR	8,568
Aranjuez, Spain	EAD	8,682
		8,619
Ft. de France Martinique	FFP	12,831
Portishead, England	GKI	12,858
Barranquilla, Colombia	HKB	8,666
Sto. Domingo, Dom. Rep.	HIA	8,642
Rome, Italy	IAR	8,670
Nagasaki, Japan	JOS	8,706
San Francisco, CA	KFS	12,695
		12,844
Rogaland, Norway	LGI	12,727.5
Oostend, Belgium	OST	8,652
Antwerp, Belgium	OSA	8,646
Lyngby, Denmark	OXZ	8,598
Paramaribo, Surinam	PZN	8,662
Athens, Greece	SVA	8,690
Chatham, MA	WCC	6,376
Slidell, LA	WNU	8,570
Awarua, New Zealand	ZLB	6,393

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

Data Bank One problem faced by the beginning utility DXer is the difficulty in finding information about the

There's a lot of gear here, packed into a compact monitoring setup. This all belongs to Al Kaiser of Meriden, Connecticut. In addition to listening to shortwave on a Hallicrafters SX24, Al is active on the CB band as KBC6286.



stations heard.

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

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

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

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

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

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

PHONETIC ALPHABET

To prevent confusion with letters which sound similar, especially under difficult reception conditions—such as A, J, K or B, P and V—the military has adopted an alphabetical word system. In use, for example, an Army communications station such as AA660 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

MAJOR FOREIGN AIRLINES

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

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

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

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

The British Navy has a series of

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

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

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

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

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

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

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

One reason for the surge of interest in listening to the various radio services on the very and ultra high frequencies is the availability of excellent receiving equipment, a factor not really the case some years ago. Today it is possible to walk into a store—a department store, a pharmacy, a discount cen-

ter, as well as any radio shop—and pick up a compact, low-cost, transistorized receiver that will tune the action bands. This availability of equipment is what starts many a public service band monitor off.

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

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

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

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

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

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

The scanner has become very popular because it is a compromise of the best features of a tunable and a crystal-controlled set. Finding the exact frequencies of the active stations in your area is easy, yet you have the flexi-

TIME AND FREQUENCY STATIONS

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

LOCATION	CALL LETTERS	FREQUENCY (KHz)
Chavannes, France	FFH	2,500
Lidice, Czechoslovakia	OMA	
Ft. Collins, CO	WWV	
Kauai, Hawaii	WWVH	
Rugby, Gt. Britain	MSF	
Osterloog, W. German	DAN	2,614
Kiel, W. Germany	DAO	2,775
Podebrady, Czechoslovakia	OLB5	3,170
Dixon, CA	NPG	3,268
Ottawa, Canada	CHU	3,330
Nauen, E. Germany	DIZ	4,525
Torino, Italy	IBF	5,000
Koganei, Japan	JJY	
Moscow, USSR	RAT	
Tashkent, USSR	RCH	
Olifantsfontein, S. Africa	ZUO	
Ft. Collins, CO	WWV	
Kauai, Hawaii	WWVH	
Caracas, Venezuela	YVTO	6,100
Lyndhurst, Australia	VNG	7,500
Guam, Marianas	NPM	8,150
Elmshorn, W. Germany	DAM	8,638
Shanghai, China	BVP	9,368
Koganei, Japan	JJY	10,000
Buenos Aires, Argentina	LOL	
Olifantsfontein, S. Africa	ZUO	
Irkutsk, USSR	RID	10,004
Pontoise, France	FTK77	10,775
Balboa, Canal Zone	NBA	11,080
Lyndhurst, Australia	VNG	12,000
Annapolis, MD	NSS	12,135
Shanghai, China	XSG	12,875
Rio de Janeiro, Brazil	PPR	13,105
Ottawa, Canada	CHU	14,670
Novosibirsk, USSR	RTA	14,996
Buenos Aires, Argentina	LOL	15,000
Ft. Collins, CO	WWV	
Kauai, Hawaii	WWVH	
Koganei, Japan	JJY	
Rio de Janeiro, Brazil	PPR	17,194
Ft. Collins, CO	WWV	20,000
Kauai, Hawaii	WWVH	
Lualualei, Hawaii	NPM	22,593

bility of automatic scanning of a series of different frequencies. Scanner receivers that allow you to choose up to about 16 different channels to monitor are available.

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

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

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

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

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

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

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

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

ACTION BAND MONITORING

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

Type of Service	Approximate Frequencies in MHz		
	VHF Low (30-50)	VHF High (148-174)	UHF (450-470)
Police, sheriff	37	154, 159	453, 458, 154, 166, 460, 465
Fire Departments	33, 46	170	458, 465
Business Radio	31	*	*
Cabs	*	152	452
Weather	*	162	*
Ship-to-Shore	*	156, 161	*
Highway trucking	45	160	*
Radio Paging	35, 43	154, 157	*
Railroads	*	160	*
Local Government	45	154	*
State Police	42	155	*
Highway Patrols	42	155	*
Private security	* 159		460
Businesses, industry	31	154	452
Highway repair	37	*	*
Utility companies	46	*	456, 465
Forestry	49	*	*
TV, Radio newsmen	*	161, 170, 172	*
Mobile telephone	*	152	454
Emergency	47	156	*
Civil Air Patrol	*	148	*
Canadian law enforcement	49	155	*

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

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

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

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

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

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

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

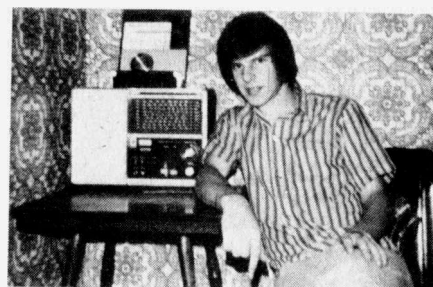
Ingredients of Long Range Reception. However, under certain conditions, relatively long range reception is possible. Yes, there are times when you will be able to hear action band stations located several hundred to perhaps 1,500 miles away.

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

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

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

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



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

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

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

caused by weather conditions.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

VHF AND UHF FREQUENCIES USED BY POLICE DEPARTMENTS

This is a selected list of frequencies assigned to police departments in major U.S. cities.

CITY	FREQUENCY	CITY	FREQUENCY
Akron, OH	VHF-High: 155.97, 156.15, 156.21 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: 460.25, 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		

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

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

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

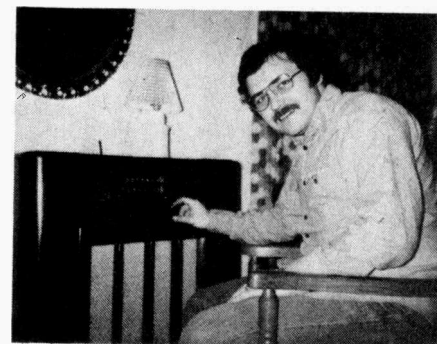
Similar lists of public service band stations for various areas of the country may be obtained from Handler Enterprises, P.O. Box 253, Deerfield, IL 60015. Again, a note, indicating what your interest is and the area in which

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

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

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

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



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

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

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

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

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

VHF AND UHF FREQUENCIES USED BY FIREFIGHTERS

This is a selected list of frequencies assigned to fire departments in major U.S. cities.

CITY	VHF		UHF	
	1	2	1	2
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		
Las Vegas, NV	154.37		453.15	
Cheyenne, WY	154.355			
Omaha, NB	154.01	154.19		
Houston, TX	153.89	154.16		
	154.28			
Little Rock, AR	153.95			
Kansas City, MO	154.01	154.13	458.10	462.95
	154.28			
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

SIGNAL STRENGTH

- 5—Excellent
- 4—Good
- 3—Fair
- 2—Poor
- 1—Barely audible

INTERFERENCE (ATMOSPHERIC)

- 5—None
- 4—Slight
- 3—Moderate
- 2—Severe
- 1—Extreme

NOISE

- 5—None
- 4—Slight
- 3—Moderate
- 2—Severe
- 1—Extreme

PROPAGATION (DISTURBANCE)

- 5—None
- 4—Slight
- 3—Moderate
- 2—Severe
- 1—Extreme

OVERALL MERIT

- 5—Excellent
- 4—Good
- 3—Fair
- 2—Poor
- 1—Unusable

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





COMMUNICATIONS WORLD



ENGLISH LANGUAGE SW PROGRAMS

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

TIME	STATION	COUNTRY	FREQUENCY	TIME	STATION	COUNTRY	FREQUENCY
0000	S. Af. Bc. Corp.	South Africa	3,250	1200	R. 4VEH	Haiti	9,770
	RTV Belge	Belgium	6,080		R. Tashkent	USSR	6,025
	R. Tirana	Albania	7,065		HCJB	Ecuador	6,075
	R. Peking	China	9,940		CHNX	Canada	6,130
	R. Moscow	USSR	12,050		R. Singapore	Singapore	5,052
0100	VOA relay	Philippines	15,290	1300	VLW9	Australia	9,610
	R. Australia	Australia	15,425			N. Vietnam	10,040
	WYFR	USA	5,985		R. 4VEH	Haiti	11,835
	Vatican R.	Vatican	5,995		V. of Philippines	Philippines	9,580
	Deutsche Welle	W. Germany	6,075		R. Norway	Norway	9,590
	Swiss Bc. Corp.	Switzerland	6,135		R. Sweden	Sweden	9,765
	R. Prague	Czechoslovakia	7,345		R. Finland	Finland	15,110
	BBC relay	Ascension Is.	9,580		BBC relay	Malaysia	6,195
	Trans World R.	Neth. Antilles	11,925		V. of Greece	Greece	9,520
	0200	R. Portugal	Portugal		6,025	1500	VLW9
HCJB		Ecuador	6,095	R. Australia	Australia		9,770
Deutsche Welle relay		Malta	6,100	BBC	Gt. Britain		15,070
R. Moscow		USSR	7,110	HCJB	Ecuador		15,115
BBC relay		Cyprus	7,230	R. Norway	Norway		11,895
VOA relay		Greece	9,740	R. Australia	Australia		11,965
R. Havana Cuba		Cuba	11,930	BBC relay	Malaysia		15,365
R. Japan		Japan	15,105	BBC	Gt. Britain		9,410
R. Australia		Australia	15,320	R. France Int.	France		11,710
0300		Rhodesian B. Corp.	Rhodesia	3,396	1700		R. France Int.
	HRVC	Honduras	4,820	VOA relay		Greece	9,700
	TGNA	Guatemala	5,955	R. Pyongyang		North Korea	9,980
	VOA relay	Liberia	6,035	V. of Free China		Taiwan	11,825
	R. Budapest	Hungary	7,220	ETLF		Ethiopia	11,830
	R. Peking	China	9,460	RTV Ivorienne		Ivory Coast	11,920
	RAE	Argentina	9,690	WINB		USA	17,720
	Malawi B. Corp.	Malawi	3,380	VOA		USA	21,485
	R. Botswana	Botswana	4,845	R. Teheran		Iran	9,022
	CFRX	Canada	6,070	R. Baghdad		Iraq	9,758
0400	R. Canada Int.	Canada	9,635	1900	WYFR	USA	11,805
	R. Moscow	USSR	11,690		UN Radio	USA	15,410
	R. Canada Int.	Canada	6,135		WINB	USA	17,720
	R. Nederland relay	Neth. Antilles	6,165		HCJB	Ecuador	17,730
	R. Korea	South Korea	9,640		IBA	Israel	7,412
	R. New Zealand	New Zealand	11,780		All India R.	India	9,525
	R. Ghana	Ghana	3,366		R. Zambia	Zambia	9,580
	ELWA	Liberia	4,770		R. Nederland relay	Malagasy Rep.	11,730
	R. Nigeria	Nigeria	4,990		ELWA	Liberia	11,950
	R. New Zealand	New Zealand	11,780		BBC relay	Ascension Is.	15,260
0500	KGEI	USA	5,980	2000	R. Nederland relay	Malagasy Rep.	11,730
	VOA relay	Liberia	6,035		R. Nacional Brasilia	Brazil	11,780
	UN Radio	USA	6,055		R. Canada Int.	Canada	11,860
	V. of Philippines	Philippines	9,580		XERMX	Mexico	15,385
	R. Pyongyang	North Korea	9,820		R. Ghana	Ghana	4,915
	R. Nederland relay	Neth. Antilles	11,730		Radio Turkey	Turkey	9,515
	National B. Com.	Papua New Guinea	4,890		R. Belgrade	Yugoslavia	9,620
	VLR9	Australia	9,680		R. Cairo	Egypt	9,805
	Far East B. Co.	Philippines	11,890		WINB	USA	11,775
	0600	VLM4	Australia		4,920	2100	R. RSA
R. Canada Int.		Canada	5,970	Sierra Leone, B. S.	Sierra Leone		3,316
R. New Zealand		New Zealand	9,520	R. RSA	South Africa		9,525
XERMX		Mexico	15,385	R. Pyongyang	North Korea		11,535
Action R.		Guyana	3,290	R. Japan	Japan		11,705
KGEI		USA	5,980	BBC relay	Ascension Is.		15,260
R. Thailand		Thailand	9,655	XERMX	Mexico		15,385
R. Australia		Australia	9,580	R. Moscow	USSR		15,460

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

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

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

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

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

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

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

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

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

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

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

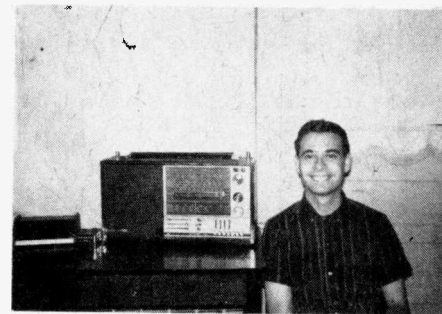
The Under-\$100 Range. While not a real SWBC DX machine, the under-\$100 portable can probably bring in 20, 30, perhaps 50 different countries with some tuning skill and some luck.

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

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

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

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



tackle it? Only you can decide.

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

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

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

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

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

highly accurate (1 kHz or less) frequency readout.

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

In the upper half of this price bracket are two receivers made by the R. L. Drake Co.: the very popular SPR-4 and the R4C.

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

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

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

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

Regular readers will remember the bit in the Spring-Summer 76 COMMUNICATIONS WORLD by top British DXer and broadcaster, Alan Thompson, in which he described how listening differs on the other side of "The Pond."

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

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

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

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

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

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

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

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

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

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

"Some experienced DXers opted for

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

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

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

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

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

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

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

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

With a somewhat shrinking market of new shortwave receivers, Luis, many DXers are considering a used receiver.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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charge the offenders with a criminal violation.

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

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

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

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

Tim is right on target. *Swazi Music*

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

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

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

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

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

QSL's—or verifications, confirmations, veries, they all mean the same

thing—are those letters or cards from stations confirming that the reports of reception you sent were correct and that you did, in fact, hear them when and where you stated. They provide a tangible bit of evidence that you did actually hear certain stations.

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

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

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

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

LANGUAGES OF THE WORLD

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

LOCAL TIME VS. GREENWICH TIME

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

The second possible problem with

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

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

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

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

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

Here are a couple of sample program detail entries:

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

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• 2302 – 2315 GMT – An English newscast read by a man. The major news items were. . . .

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

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

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

• 2300—Chimes, music, then talking.

• 2302—Talking by man.

• 2315—Music.

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

Now with the popular international broadcasters this is perhaps something of a formality. These stations get many thousands of reports from listeners, and

some have their own regular overseas monitors, so they already have a very good idea of how well their programs are being received around the world. With the smaller stations your signal report may be of genuine help to the station technicians in knowing how they are "getting out."

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

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

WORLD TIME BY COUNTRIES

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

Aden	+3	Costa Rica	–6	Korea	+9	Senegal	0
Afghanistan	+4½	Cuba	–5	Kuwait	+3	Seychelles	+4
Alaska	–8	Cyprus	+2	Laos	+7	Sierra Leone	0
Albania	+1	Czechoslovakia	+1	Lebanon	+2	Singapore	+7½
Algeria	0	Dahomey	+1	Liberia	–¾	Solomon Is.	+11
Argentina	–4 (–3)	Denmark	+1	Luxembourg	+1	Somalia	+3
Ascension Is.	0	Ecuador	–5	Libya	+2	South Africa	+2
Australia		Egypt	+2 (+3)	Malawi	+2	South Yemen	+3
Eastern	+10	El Salvador	–6	Malaysia	+7½	Spain	+1
Central	+9½	Ethiopia	+3	Malagasy Rep.	+3	Sudan	+2
Western	+8	Falkland Is.	–4 (–3)	Maldives Is.	+5½	Surinam	–3¼
Austria	+1	Faeroe Is.	0	Mali	0	Sweden	+1
Azores	–1	Fiji Is.	+12	Mauritania	0	Switzerland	+1
Bahamas	–5	Finland	+2	Marshall Is.	+12	Syria	+2 (+3)
Bahrain	+4	France	+1	Martinique	–4	Tahiti	–10
Belgium	+1	Gabon	+1	Mauritius	+4	Tanzania	+3
Bermuda	–4	Gambia	0	Mexico	–6	Thailand	+7
Bolivia	–4	Germany	+1	Monaco	+1	Timor	+8
Botswana	+2	Ghana	0	Mongolia	+8	Togo	0
Brazil		Gilbert Is.	+12	Morocco	0	Tunisia	+1
Eastern	–3 (–2)	Greece	+2	Mozambique	+2	Turkey	+2
Central	–4 (–3)	Guam	+10	Nepal	+5.40	Uganda	+3
Western	–5 (–4)	Guatemala	–6	Neth. Antilles	–4	Upper Volta	0
Brunei	+8	Guayana	–3¼	New Caledonia	+11	Uruguay	–3
Bulgaria	+2	Guiana, Fr.	–3	New Guinea	+10	USSR	
Burma	+6½	Guinea	0	New Hebrides	+11	Moscow	+3
Burundi	+2	Guinea, Eq.	+1	New Zealand	+12	Baku	+4
Cambodia	+7	Guinea, Port.	–1	Nicaragua	–6	Sverdlovsk	+5
Cameroon	+1	Haiti	–5	Niger	+1	Tashkent	+6
Canada		Hawaii	–10	Nigeria	+1	Novosibirsk	+7
Atlantic	–4 (–3)	Holland	+1	Norway	+1	Irkutsk	+8
Eastern	–5 (–4)	Honduras	–5 (–6)	Pakistan		Yakutsk	+9
Central	–6 (–5)	Honduras, Br.	–6 (–5½)	West	+5	Khadarovsk	+10
Mountain	–7 (–6)	Hong Kong	+8 (+9)	East	+6	Magadan	+11
Pacific	–8 (–7)	Hungary	+1	Panama	–5	Petropavlovsk	+12
Yukon	–9 (–8)	Iceland	–1 (0)	Papua Terr.	+10	Anadyr	+13
Canary Is.	0	India	+5½	Paraguay	–4	USA	
Cape Verde Is.	–2	Indonesia		Peru	–5	Eastern	–5 (–4)
Central Afr. Rep.	+1	West	+7	Philippines	+8	Central	–6 (–5)
Ceylon	+5½	Central	+8	Poland	+1	Mountain	–7 (–6)
Chad	+1	East	+9	Portugal	+1	Pacific	–8 (–7)
Chile	–4	Iran	+3½	Qatar	+4	Vatican	+1
China		Iraq	+3	Reunion	+4	Venezuela	–4
East	+8	Israel	+2	Rhodesia	+2	Vietnam, S.	+8
West	+6	Italy	+1 (+2)	Rumania	+2	Vietnam, N.	+7
Colombia	–5	Ivory Coast	0	Rwanda	+2	Windward Is.	–4
Congo		Japan	+9	Ryukyu Is.	+9	Yemen	+3
West	+1	Jordan	+2	Sabah	+8	Yugoslavia	+1
East	+2	Kenya	+3	Sao Tome	0	Zambia	+2
Cook Is.	–10½			Sarawak	+8		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The second reference work for the

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

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

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

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

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

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



COMMUNICATIONS WORLD

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

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

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

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

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

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

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

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

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

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

Konstantine Rychalsky of Bridgeport, CT, is another medium wave fan.

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

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

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

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

Good DX to you all!



Now You Can Go CB Today!

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

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

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

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

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

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

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

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

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

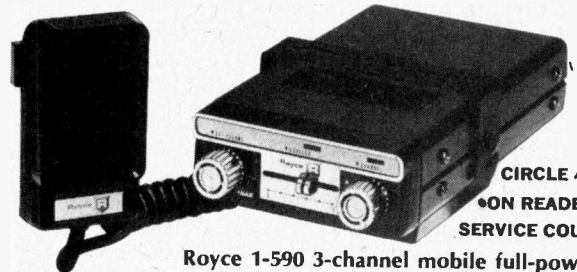
And while you can put as much as \$350 into a great-looking tower, you can still get your message from here to there without one—or with something a lot less costly which will accomplish the same purposes. You can, if you wish, spend \$350 on an antenna and rotor, but you can also send your signal out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

And you can also get your signal to



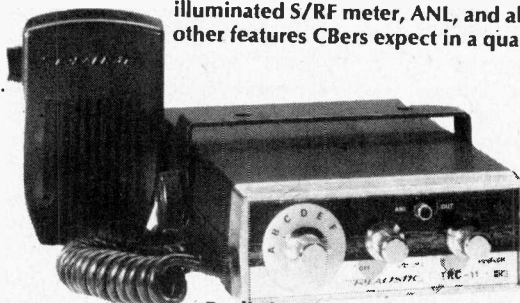
CIRCLE
54 ON
READER
SERVICE
COUPON

Pearce-Simpson Alleycat 23 is barely a handful, but it covers all 23 channels and has illuminated S/R/F meter, ANL, and all the other features CBers expect in a quality unit.



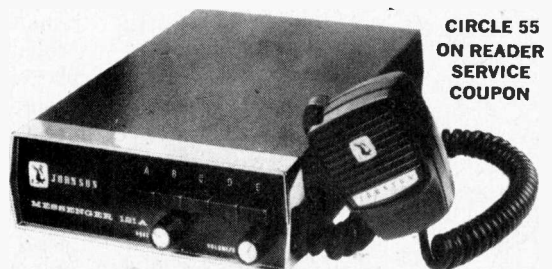
CIRCLE 44
ON READER
SERVICE
COUPON

Royce 1-590 3-channel mobile full-power transceiver is a bargain hunter's dream. Slide volume control and mini-packaging are indicative of quality guts inside.



CIRCLE 32
ON READER
SERVICE
COUPON

Realistic TRC-11 CB transceiver gives 6-channel coverage and full-power punch at a low price.



CIRCLE 55
ON READER
SERVICE
COUPON

Johnson Messenger 121A features push-button 5-channel frequency selection, comes with Channel 11 crystals and a budget price tag.

**CIRCLE 70 ON
READER SERVICE COUPON**
Antenna Specialists' M-125, a popular CB mobile antenna, is waterproof and comes with shock spring. It has a tuning adjustment for minimum SWR.

**CIRCLE 65 ON
READER SERVICE COUPON**
Avanti PDL II (Polar Diversity Loop) puts the signal where you want it with high forward gain (12 dB) while signals received off the back of the beam are down as much as 32 dB. You can have an even stronger signal by using the special kit to stack two PDL II's.

**CIRCLE 59
ON READER
SERVICE COUPON**
Cushcraft CB-114 four element beam delivers 9.5 dB forward gain while reducing signals off the back by 26 dB, and has a turning radius of only 8 feet.

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

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

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

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

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

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

You get the idea: Start evaluating things like clocks, variable sensitivity, and other cost-adding features. How of-

ten will you use a public-address system, for instance? Start scratching these features from your list.

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

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

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

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

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

(Continued on page 98)

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			WNWC Asheville, N.C.	5000	KSJB Jamestown, N.D.	5000	WPHU Providence, R.I.	5000			
KVPJ Redding, Calif.	1000	WLLC Raleigh, NC	500d	WFRM Salem, Ohio	500d	KMAC San Antonio, Tex.	5000				
WGTO Cypress Gardens, Fla.	5000d	WKBN Youngstown, OH	500r	WAEI Mayaguez, P.R.	1000	KSSX Salt-Lake City, Utah	1000d				
WDAC Columbus, Ga.	5000	WNAX Yankton, S.Dak.	5000	WREC Memphis, Tenn.	5000	KGDN Edmonds, WA	5000d				
KWMT Ft. Dodge, Iowa	5000d	WFAA Dallas-Ft. Worth TX	5000	KRDD El Paso, TX	5000	KJUN Opportunity, WA	1000d				
KNDE Monroe, La.	5000	KLUB Salt Lake City, Utah	5000	KERB Kermit, Tex.	1000d						
WDMV Pocomoke City, Md.	5000	KVI Seattle, Wash.	5000	KTBB Tyler, Tex.	1000d						
WLIX Islip, N.Y.	250d	WMAW Marinette WI	250r	WVAR Richwood, W.Va.	1000d	640-468.5					
WETC Wendell-Zebulon, N.C.	500d					KFI Los Angeles, CA	50000				
WARD Canonsburg, Pa.	250d	580-516.9				WOI Ames, Iowa	5000d				
WYNN Florence, S.C.	250d	WBIL Tuskegee AL	500d			WHLO Akron, OH	1000d				
WDXN Clarksville, Tenn.	1000d	KYUK Bethel AK	5000d			WNAJ Norman, OK	1000d				
KDLT Delta, UT	1000d	KYUK Tuson AZ	5000r								
WRIC Richlands, Va.	1000d	KYUK Fresno, Calif.	5000			650-461.3					
WYLO Jackson, Wis.	250d	KUBC Montrose, Colo.	5000			KYAK Anchorage AK	5000r				
		WBOB Orlando, Fla.	5000			KORL Honolulu, HI	10000				
		WGAC Augusta, Ga.	5000			WSM Nashville, Tenn.	50000				
		KFXD Nampa, Idaho	5000			KIKK Pasadena, Texas	250d				
		WILL Urbana, Ill.	5000d								
550-545.1		KSAC Manhattan, Kans.	5000								
KENI Anchorage AK	5000	KALB Alexandria, La.	5000								
KOY Phoenix AZ	5000r	WTAG Worcester, Mass.	5000								
KAFY Bakersfield, Calif.	1000	WELO Tupelo, Miss.	1000d								
KRAI Craig, Colo.	5000	KANA Anaconda, Mont.	1000d			660-454.3					
WAYR Orange Park, Fla.	1000d	WAGR Lumberton, N.C.	5000			KFAR Fairbanks AK	10000				
WGGA Gainesville, Ga.	5000	WKSK W. Jefferson NC	5000d			KOWH Omaha, Neb.	1000d				
KMVI Wailuku, Hawaii	8000	KCMX Ashland, OR	1000			WNBC New York, N.Y.	50000				
KFRM Salina, Kans.	5000d	WHP Harrisburg, Pa.	5000			WESC Greenville, S.C.	10000d				
WCBI Columbus, Miss.	1000	WKAQ San Juan, P.R.	5000			KSXY Dallas, Tex.	10000d				
KSD St. Louis, Mo.	5000	KOBH Hot Springs, S.Dak.	5000								
KBOW Butte MT	5000r	WDFE Rockwood, Tenn.	1000d								
WGR Buffalo, N.Y.	8000	KDAV Lubbock, Tex.	5000			670-447.5					
WDBM Statesville, N.C.	5000d	WLES Lawrenceville, Va.	5000			KDLG Dillingham, AK	5000r				
KFYR Bismarck, N.Dak.	5000	WCHS Charleston, W.Va.	5000			KPUA Hilo, HI	5000				
WKRC Cincinnati, Ohio	5000	WKTY LaCrosse, Wis.	8000			KBOI Boise, Idaho	50000				
KOAC Corvallis, Oreg.	8000					WMAQ Chicago, Ill.	50000				
WHLM Bloomsburg, Pa.	1000	590-508.2									
WPAB Ponce, P.R.	5000	WRAG Carrollton AL	1000d								
WNGP Pawtucket RI	1000	KHAR Anchorage AK	8000								
KCRS Midland, TX	5000d	KBHS Hot Springs, AR	5000								
KCSA San Antonio, Tex.	5000	KFXM San Bernardino, Cal.	1000								
WDEV Waterbury, Vt.	8000	KTHO South Lake Tahoe, Cal.	1000								
WSVA Harrisonburg, Va.	5000	KCSJ Pueblo, Colo.	1000								
KARI Blaine, Wash.	8000	WDLF Panama City, Fla.	1000								
WBAU Wausau, Wis.	5000	WPLA Atlanta, Ga.	8000								
		KGMB Honolulu, Hawaii	5000								
		KID Idaho Falls, Idaho	5000								
560-535.4		WRTH Wood River, IL	1000								
WOOF Dathan AL	5000d	WVLK Lexington, Ky	1000								
KVOK Kodiak AK	1000	WEEI Boston, Mass.	5000								
KBLU Yuma, AZ	1000	WJMS Ironwood, Mich.	5000								
KLZ Denver, Calif.	5000	WKZD Kalamazoo, Mich.	8000								
WQAM Miami, Fla.	5000	KGLE Glendive, Mont.	5000								
WIND Chicago, Ill.	8000	WOW Omaha, Neb.	5000								
WMIK Middleboro, Ky.	5000	WRDW Albany, N.Y.	5000								
WGAN Portland, Maine	5000	WCAB Rutherfordton, N.C.	5000								
WFRB Frostburg, Md.	1000d	WGTM Wilson, N.C.	8000								
WHYN Springfield, Mass.	5000	KUGN Eugene, Oreg.	5000								
WHND Monroe, Mi	5000	WARM Warren, Pa.	5000								
WEBC Duluth, Minn.	5000	WMBS Untertown, PA	1000								
KWTO Springfield, Mo.	5000	KLBJ Austin TX	5000r								
KMON Great Falls, Mont.	5000	KSUB Cedar City, Utah	1000								
WKLI Catskill, N.Y.	1000	WLVA Lynchburg, Va.	1000								
WGAI Elizabeth, N.C.	1000	KHQ Spokane, Wash.	5000								
WFIL Philadelphia, Pa.	5000										
WIS Columbia, SC	5000	600-499.7									
WHBQ Memphis, Tenn.	5000	WIRB Enterprise AL	1000d								
KLVI Beaumont, Tex.	5000	KRKM North Pole, AK	1000								
KPQ Wenatchee, Wash.	5000	KKLS Flagstaff AZ	5000r								
WJLS Beckley, W.Va.	5000	KINC Independence, CA	500d								
		KVPJ Redding, Calif.	1000								
		KOGO San Diego, Calif.	5000								
		KIIX Ft. Collins, CO	1000d								
570-526.0		WICC Bridgeport, Conn.	1000								
WAAX Gadsden AL	8000r	WMBR Jacksonville, FL	5000								
KCND Alturas, Cal.	8000d	WMT Cedar Rapids, Iowa	8000								
KLAC Los Angeles, Calif.	5000	WVOG New Orleans, La.	5000								
WFSD Pine Hills Park, Fla.	5000	WFST Caribou, Maine	5000d								
WACL Waycross, Ga.	8000	WCAO Baltimore, Md.	5000								
KATB Agana, GU	5000	WBDN Escanaba, MI	1000d								
KYKY Paducah, Ky.	5000	WTAC Flint, Mich.	1000								
WGMS Bethesda, Md.	5000	KGZ Kallispeil, MT	1000								
WYMI Bixton, MS	5000r	WGVF Murphy, N.C.	1000d								
WGRT Las Cruces, N.Mex.	5000d	WSIS Winston-Salem, N.C.	5000								
WMCA New York, N.Y.	5000										
WSYR Syracuse, N.Y.	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; †—educational TV station. Wavelength is given in meters. Listing indicates stations on the air as of June 21, 1976.

U.S. AM STATIONS BY FREQUENCY

Table with 3 columns: Call, Location, W.P. containing station information for frequencies 710-422.3, 720-416.4, 730-410.7, 740-405.2, 750-399.8, 760-394.5, 770-389.4, and 780-384.4.

Table with 3 columns: Call, Location, W.P. containing station information for frequencies 790-379.5, 800-374.8, 810-370.2, 820-365.6, 830-361.2, 840-356.9, and 850-352.7.

Table with 3 columns: Call, Location, W.P. containing station information for frequencies 860-348.6, 870-344.6, 880-340.7, 890-336.9, 900-333.1, and 910-329.5.

Table with 3 columns: Call, Location, W.P. containing station information for frequencies 910-329.5, 920-325.9, 930-322.4, and 940-318.7.

U.S. AM STATIONS BY FREQUENCY

Table with columns: Call, Location, W.P., Call, Location, W.P., Call, Location, W.P., Call, Location, W.P. It lists numerous radio stations across the United States, organized by frequency bands (1440-208.2, 1460-205.4, 1480-202.6, 1490-201.2).

U.S. AM STATIONS BY FREQUENCY

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.
KBAB	Indiana, Ia.	500	WSEM	Donalsonville, Ga.	1000d				WSHN	Fremont, Mich.	1000d
KRIB	Mason City, Ia.	1000	WDEM	Macon, Ga.	1000d				WKJK	Jackson, Miss.	5000d
KKAN	Phillipsburg, Kans.	1000	KUMU	Honolulu, Hawaii	5000				WSAQ	Senatobia, Miss.	5000d
KTOP	Topock, Kans.	1000	WGEN	Geneseo, Ill.	260d				KGMO	Cape Girardeau, Mo.	5000d
WKYF	Frankfort, Ky.	1000	WZBN	Zion, Ill.	250d				KJJO	St. Joseph, Mo.	5000
WKAY	Glasgow, Ky.	1000	WBRI	Indianapolis, Ind.	5000d				KLFF	Springfield, MO	500d
WOMI	Owensboro, Ky.	1000	WAKE	Valparaiso, Ind.	1000d				KOBY	Hastings, Neb.	500d
WSPF	Paintsville, Ky.	1000	WKXO	Berea, KY	230d				KOBY	Reno, Nev.	1000d
WKIC	Bogalusa, La.	1000	KWRG	New Roads, La.	1000d				WGRG	Kanawha, N.Y.	250d
KEUN	Enice, La.	1000	WYOC	Battle Creek, Mich.	1000d				WKOT	Canton, NY	500d
KJIN	Houma, La.	1000	WDEI	Detroit, MI	5000r				WBYM	Utica, N.Y.	1000
KRUS	Ruston, La.	1000	KSTP	St. Paul, Minn.	1000				WPXV	Greenville, N.C.	1400d
WFOR	Portland, Maine	1000	WBFN	Quitman, Miss.	1000d				WYMA	Raleigh, N.C.	1000d
WTVL	Waterville, Maine	1000	KDFN	Doniphan, Mo.	1000d				WPGD	Winston-Salem NC	1000d
WARK	Hagerstown, Md.	1000	WKER	Pompton Lakes, N.J.	1000d				KQWB	Fargo, N.D.	5000d
WHAJ	Haverhill, Mass.	1000	WGFM	Watkins Glen, N.Y.	250d				WDLR	Delaware, Ohio	500d
WNEC	Wilmington, Mass.	1000	WRGT	Youngstown, OH	500				KMAD	Madill, OK	250d
WABJ	Andover, Mass.	1000	WGIC	Xenia, O.	500d				KREK	Sapulpa, Okla.	500d
WATI	Marlinton, Md.	1000r	KOKN	Pawhuska, OK	5000d				WLOA	Bradock, Pa.	1000d
WMPX	Midland, MI	1000	WMNT	Manati, P.R.	250				WTCF	Tawanda, Pa.	250
WLRG	Whitehall, Mich.	1000	WEAC	Gaffney, S.C.	1000d				WYFE	Yauco, P.R.	1000d
KXRA	Alexandria, Minn.	1000	WTNE	Tranton, Tenn.	250d				WBSG	Bennettsville, S.C.	1000d
KOZY	Grand Rapids, Minn.	1000	WXTO	Sherman, Tex.	1000d				KCAN	Canyon, Tex.	1000d
KLJR	Redwood Falls, Minn.	1000	KANI	Wharton, Tex.	500				WVBC	Navaota, Tex.	250d
WLOX	Bloomington, Miss.	1000							WKYE	Bristol, Tenn.	1000d
WCLD	Cleveland, Miss.	1000							WFTN	Cookeville, Tenn.	250d
WHOC	Philadelphia, Miss.	1000							WTKI	Oak Ridge, Tenn	1000
WTUP	Tupelo, Miss.	1000							WTBP	Parson, Tenn.	1000d
WJFL	Vicksburg MS	1000							WPDJ	Soddy-Daisy, Tenn	1000d
KDMM	Carthage, Mo.	1000							WCOM	Comanche, Tex.	1000d
KTR	Rolla, Mo.	1000							KRGO	Salt Lake City, UT	1000d
KDRO	Sedalia, Mo.	1000d							WKBA	Vinton, Va.	1000d
KDBM	Dillon, Mont.	1000							WVAB	Virginia Bch., Va.	5000d
KLNG	Omaha, Neb.	1000							WVLA	Charlottesville, Va.	5000d
WEMJ	Laconia, N.H.	1000							KQBY	Bellingham, Wash.	1000d
WUSS	Atlantic City, N.J.	1000r							KGAR	Vancouver, Wash.	10000
KRSN	Los Alamos, N.Mex.	1000							WMIR	Lake Geneva, Wis.	1000d
KRTN	Ratio, N.Mex.	1000							WMAD	Madison, Wis.	5000d
WCSS	Amsterdam, N.Y.	1000							WEVR	River Falls, Wis.	1000d
WBTA	Batavia, N.Y.	500									
WKNY	Kingston, N.Y.	1000									
WICY	Malone, N.Y.	1000									
WDLG	Port Jervis, N.Y.	1000									
WOLF	Syracuse, N.Y.	1000									
WSSB	Durham, N.C.	1000									
WLOE	Eden, N.C.	1000									
WFLB	Fayetteville, N.C.	1000									
WRNB	New Bern, N.C.	1000									
WRMT	Rocky Mount, N.C.	1000									
WSTP	Salisbury, N.C.	1000									
WSYM	Valdese, N.C.	1000									
WHSI	Wilmington, N.C.	1000									
KNDC	Hettinger, N.D.	1000									
KOVC	Valley City, N. Dak.	1000									
WBEX	Chillicothe, Ohio	1000									
WJMO	Cleveland Hgts., O.	1000									
WHTI	E. Liverpool OH	1000									
WMOA	Marletta, Ohio	1000									
WMRN	Marion, Ohio	1000									
KOKC	Guthrie, OK	500									
KBIX	Muskogee, Okla.	1000									
KBKR	Baker, Oreg.	1000									
KRNR	Roseburg, Oreg.	1000									
KBYZ	Salmon, Oreg.	1000									
WASB	Bradford, Pa.	1000									
WAZL	Hazleton, Pa.	1000									
WJNL	Johnstown PA	1000									
WJAL	Lancaster, Pa.	1000									
WBCB	Levittown, Pa.	1000									
WRRF	Lewistown, Pa.	1000									
WBGW	Meadville, Pa.	1000									
WNBW	Wellsville, Pa.	1000									
WVOZ	Carolina PR	1000									
WZBS	Ponce PR	1000r									
WSIB	Beaufort, S.C.	500									
WGCD	Chester, S.C.	1000									
WMBR	Greenville, S.C.	1000									
WSDC	Hartsville, S.C.	250d									
KORN	Mitchell, S.Dak.	1000									
WOPJ	Bristol, Tenn.	1000									
WDXB	Chattanooga, TN	1000d									
WCSV	Spokane, Wash.	1000r									
WKVB	Knoxville, TN	1000									
WJIM	Lewishurg, Tenn.	1000									
WDXL	Lexington, Tenn.	1000									
KNOW	Austin, Tenn.	1000									
KIBL	Beeville TX	1000									
KBST	Big Springs, Tex.	1000									
KQTY	Borger TX	1000									
KRNX	Dallas TX	5000r									
KNEL	Grady, Tex.	1000									
KWMC	Del Rio, Tex.	1000									
KSAM	Huntsville, Tex.	1000									
KVOZ	Laredo, Tex.	1000									
KZZN	Littlefield, Tex.	1000									
KPLT	Paris, Tex.	1000									
KDDK	Tyler, Tex.	1000									
KVVC	Vernon, Tex.	1000									
KVOG	Oden, Utah	1000									
WKVT	Brattleboro, Vt.	1000									
WFAD	Middlebury, Vt.	1000									
WKYR	Wells River, Vt.	250d									
WIKE	Newport, VT	1000									
WCVL	Culpeper, Va.	1000									
WVEC	Hampton, Va.	1000									
WAYB	Waynesboro, Va.	1000									
KBRD	Bremerton, Wash.	1000									
KVAC	Forks, Wash.	1000									
KLOG	Kelso, Wash.	1000									
KENE	Toppenish, Wash.	1000									
KTEF	Walla Walla, Wash.	1000									
WXIT	Charleston, W.Va.	1000									
WTCB	Fairmont, W.Va.	1000									
WAEY	Princeton WV	1000r									
WGSB	Sutton, W.Va.	1000									
WGEZ	Beloit, Wis.	1000									
WLXG	LaCrosse, Wis.	1000									
WIGM	Madford, Wis.	1000									
WYTL	Oshkosh, Wis.	1000									
KJOJ	Laramie WY	500									
KUGR	Green River, WY	1000r									
KRTR	Thermopolis, WY	250									
KGOS	Torrington, Wyo.	1000									

U.S. AM STATIONS BY FREQUENCY

Table listing U.S. AM stations by frequency, organized into columns with headers: Call, Location, W.P., Call, Location, W.P., Call, Location, W.P., Call, Location, W.P.

U.S. AM STATIONS BY LOCATION

Table listing U.S. AM stations by location, organized into columns with headers: Location, Call kHz, Location, Call kHz, Location, Call kHz, Location, Call kHz.

U.S. AM STATIONS BY LOCATION

Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
Augusta, Ga.	WTHS 1550 WBGO 1340 WRDO 1400	Beloit, Wis.	WBEZ 1480 WBEL 1380 WFBT 1390	Bradford, Pa.	WESB 1490 KNEL 1490 KLIZ 1380	Cannon City, Colo.	KRLN 1400 WARD 540
Augusta, Maine	WFAU 1340 KOSI 1430 WFRD 1280	Belton, S.C.	WHEB 1390 KTOW 940 WELZ 1480	Brady, Tex.	KNEL 1490 KLIZ 1380 KVBR 1340	Canonburg, Pa.	WARD 540 WCHK 1290 WBYS 1580
Aurora, Colo.	WFRD 1280 WYFR 1880 KOSI 1430	Belton, Tex.	WELZ 1480 KBUN 1450 KBND 1110	Brainerd, Minn.	KLIZ 1380 KVBR 1340 KBHM 1220	Canton, Ga.	WCHK 1290 WBYS 1580 WGO 1370
Aurora, Ill.	WFRD 1280 WYFR 1880 KOSI 1430	Bend, Oreg.	KBND 1110 KBRL 940 WBSC 1550	Brandon, Miss.	KBHM 1220 WTA 1450 WKVT 1490	Canton, Ill.	WBYS 1580 WGO 1370 WPTL 920
Aurora, Mo.	KOSI 1430 KWAX 1600 KAUC 1480	Bennettsville, S.C.	WBSC 1550 WBEM 1290 WPBY 1130	Brattletown, Vt.	WTA 1450 WKVT 1490 KROP 1300	Canton, Miss.	WGO 1370 WPTL 920 WHBC 1480
Austell, Ga.	KAUC 1480 KQQA 970 KNOW 1490	Benton, Minn.	WBEM 1290 WPBY 1130 KBBA 690	Brazley, Calif.	WTA 1450 WKVT 1490 KROP 1300	Canton, N.C.	WPTL 920 WHBC 1480 WOL 1060
Austin, Minn.	KAUC 1480 KQQA 970 KNOW 1490	Benton, N.C.	KBBA 690 KBBA 690 KBBA 690	Brazil, IN	WTA 1450 WKVT 1490 KROP 1300	Canton, O.	WPTL 920 WHBC 1480 WOL 1060
Austin TX	KNOW 1490 KXLB 970 KJBJ 890	Benton Harbor-St. Joseph, Mich.	KBBA 690 KBBA 690 KBBA 690	Breckenridge, Minn.	WTA 1450 WKVT 1490 KROP 1300	Canyon, Tex.	WPTL 920 WHBC 1480 WOL 1060
Ava, Mo.	KXLB 970 KJBJ 890 KOEK 1370	Benton Harbor-St. Joseph, Mich.	KBBA 690 KBBA 690 KBBA 690	Breckenridge, Minn.	WTA 1450 WKVT 1490 KROP 1300	Cape Girardeau, Mo.	WPTL 920 WHBC 1480 WOL 1060
Avon, CA	KVET 1300 KSOA 1430 KBRT 740	Berea, KY	KBBA 690 KBBA 690 KBBA 690	Brewster, N.Y.	WTA 1450 WKVT 1490 KROP 1300	Carbondale, Ill.	WPTL 920 WHBC 1480 WOL 1060
Avondale Estates, Ga.	KBRT 740 WAVO 1420 WAPR 1890	Berkeley CA	KBBA 690 KBBA 690 KBBA 690	Brewster, N.Y.	WTA 1450 WKVT 1490 KROP 1300	Carbondale, Pa.	WPTL 920 WHBC 1480 WOL 1060
Avon Park, FL	WAVO 1420 WAPR 1890 KJAF 1340	Berkeley Springs, W.Va.	KBBA 690 KBBA 690 KBBA 690	Bridgeport AL	WTA 1450 WKVT 1490 KROP 1300	Caribou, Maine	WPTL 920 WHBC 1480 WOL 1060
Aztec, N. Mex.	KJAF 1340 WNYG 1440 WGLI 1290	Berlin, N.H.	KBBA 690 KBBA 690 KBBA 690	Bridgeport, Conn.	WTA 1450 WKVT 1490 KROP 1300	Carlisle, Pa.	WPTL 920 WHBC 1480 WOL 1060
Babylon, NY	WNYG 1440 WGLI 1290 WLEW 1540	Berlin, Wis.	KBBA 690 KBBA 690 KBBA 690	Bridgetown, N.J.	WTA 1450 WKVT 1490 KROP 1300	Carlisle, Pa.	WPTL 920 WHBC 1480 WOL 1060
Bad Axe, Mich.	WGLI 1290 WLEW 1540 WNR 890	Berry Hill, Tenn.	KBBA 690 KBBA 690 KBBA 690	Brigham City, Utah	WTA 1450 WKVT 1490 KROP 1300	Carlisle, Pa.	WPTL 920 WHBC 1480 WOL 1060
Bainbridge, Ga.	WNR 890 WAZA 1360 KFLN 960	Berryville, Ark.	KBBA 690 KBBA 690 KBBA 690	Brigham City, Utah	WTA 1450 WKVT 1490 KROP 1300	Carmel, Calif.	WPTL 920 WHBC 1480 WOL 1060
Baker, Mont.	WAZA 1360 KFLN 960 KBKR 1480	Berwick, Pa.	KBBA 690 KBBA 690 KBBA 690	Bringington, Colo.	WTA 1450 WKVT 1490 KROP 1300	Carmel, Ill.	WPTL 920 WHBC 1480 WOL 1060
Baker, Oreg.	KBKR 1480 KAMY 970 KBIS 970	Bessemer AL	KBBA 690 KBBA 690 KBBA 690	Bristol, Conn.	WTA 1450 WKVT 1490 KROP 1300	Carnegie, PA	WPTL 920 WHBC 1480 WOL 1060
Bakersfield, Calif.	KBIS 970 KERN 1410 KGBE 1280	Bethel AK	KBBA 690 KBBA 690 KBBA 690	Bristol, Tenn.	WTA 1450 WKVT 1490 KROP 1300	Carroll, Iowa	WPTL 920 WHBC 1480 WOL 1060
Baldwinsville, N.Y.	KERN 1410 KGBE 1280 KUZZ 800	Bethesda, Md.	KBBA 690 KBBA 690 KBBA 690	Bristol, Va.	WTA 1450 WKVT 1490 KROP 1300	Carrollton, Mo.	WPTL 920 WHBC 1480 WOL 1060
Ballinger, Tex.	KGBE 1280 KUZZ 800 KLYD 1350	Bethlehem, Pa.	KBBA 690 KBBA 690 KBBA 690	Broadway-Timberville, Va.	WTA 1450 WKVT 1490 KROP 1300	Carrollton, Va.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	KLYD 1350 KWAQ 1490 KPNC 1580	Beverly, Mass.	KBBA 690 KBBA 690 KBBA 690	Brockport NY	WTA 1450 WKVT 1490 KROP 1300	Carrollton, Va.	WPTL 920 WHBC 1480 WOL 1060
Baldwinsville, N.Y.	WSEEN 1050 KRUN 1400 WAYE 860	Biddeford, Maine	KBBA 690 KBBA 690 KBBA 690	Brockton, Mass.	WTA 1450 WKVT 1490 KROP 1300	Carrollton, Va.	WPTL 920 WHBC 1480 WOL 1060
Ballinger, Tex.	KRUN 1400 WAYE 860 WBDM 750	Big Bear Lake, CA	KBBA 690 KBBA 690 KBBA 690	Broken Bow, Nebr.	WTA 1450 WKVT 1490 KROP 1300	Carrollton, Va.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Big Delta, Alaska	KBBA 690 KBBA 690 KBBA 690	Bronson, Mo.	WTA 1450 WKVT 1490 KROP 1300	Carrington, N.Dak.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Big Lake, Tex.	KBBA 690 KBBA 690 KBBA 690	Bronson, Mo.	WTA 1450 WKVT 1490 KROP 1300	Carrizo Springs, Tex.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Big Rapids, Mich.	KBBA 690 KBBA 690 KBBA 690	Brownfield, Conn.	WTA 1450 WKVT 1490 KROP 1300	Carroll, Iowa	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Big Sprng., Tex.	KBBA 690 KBBA 690 KBBA 690	Brownfield, Tex.	WTA 1450 WKVT 1490 KROP 1300	Carrollton, Va.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Big Stone Gap, Va.	KBBA 690 KBBA 690 KBBA 690	Brownfield, Tex.	WTA 1450 WKVT 1490 KROP 1300	Carrington, N.Dak.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Biloxi, Miss.	KBBA 690 KBBA 690 KBBA 690	Brownsville, Pa.	WTA 1450 WKVT 1490 KROP 1300	Carrizo Springs, Tex.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Blitings, Mont.	KBBA 690 KBBA 690 KBBA 690	Brownsville, Pa.	WTA 1450 WKVT 1490 KROP 1300	Carrizo Springs, Tex.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Blitings, Mont.	KBBA 690 KBBA 690 KBBA 690	Brownsville, Tenn.	WTA 1450 WKVT 1490 KROP 1300	Carrizo Springs, Tex.	WPTL 920 WHBC 1480 WOL 1060
Baltimore, Md.	WAYE 860 WBDM 750 WCAQ 900	Blitings, Mont.	KBBA 690 KBBA 690 KBBA 690	Brownsville, Tenn.	WTA 1450 WKVT 1490 KROP 1300	Carrizo Springs, Tex.	WPTL 920 WHBC 1480 WOL 1060



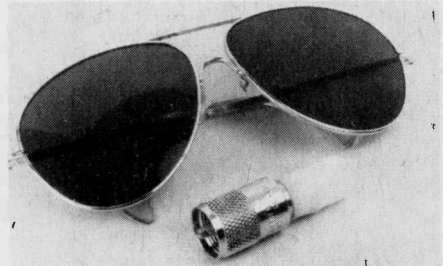
CB NEW PRODUCTS



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

Power Output Indicator

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

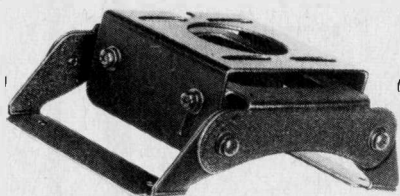


CIRCLE 51 ON READER SERVICE COUPON

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

Transceiver Mounting Bracket

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



CIRCLE 47 ON READER SERVICE COUPON

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

Compact CB

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

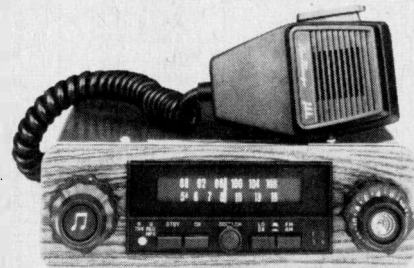


CIRCLE 61 ON READER SERVICE COUPON

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

In-Dash Triple Pack

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

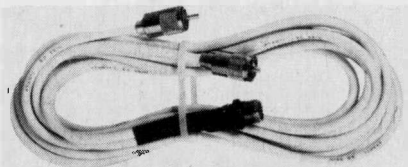


CIRCLE 46 ON READER SERVICE COUPON

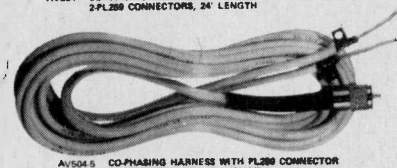
nel selector and program indicator light. The unit's radio dial flips up to become a cartridge slot and also gives easy access to the antenna trimmer control. The Model 852CB sells for \$399.95. For all the facts, write to J.I.L. at 1000 East Del Amo Blvd., Carson, CA 90746.

Co-Phasing Harness

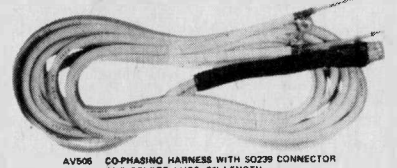
Here are three co-phasing harness kits for interconnecting any two CB mobile antennas in correct relation to provide a 25-percent increase in system performance. Made by Avanti, each kit comes with different cable terminations. The AV504 (\$10.95) has one S0239 connector



AV504 CO-PHASING HARNESS WITH S0239 CONNECTOR AND 2-PL259 CONNECTORS, 24' LENGTH



AV504-5 CO-PHASING HARNESS WITH PL259 CONNECTOR AND SOLDER LUGS, 24' LENGTH



AV506 CO-PHASING HARNESS WITH S0239 CONNECTOR AND SOLDER LUGS, 24' LENGTH

CIRCLE 65 ON READER SERVICE COUPON

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

(Continued on page 53)

(Continued from page 50)

CB Converter

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



CIRCLE 56 ON READER SERVICE COUPON

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

No-Hole Mounted CB Antenna

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



CIRCLE 60 ON READER SERVICE COUPON

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

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

CB Hatchback Ears

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



CIRCLE 70 ON READER SERVICE COUPON

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

CB Antenna Eliminator

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



CIRCLE 48 ON READER SERVICE COUPON

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

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

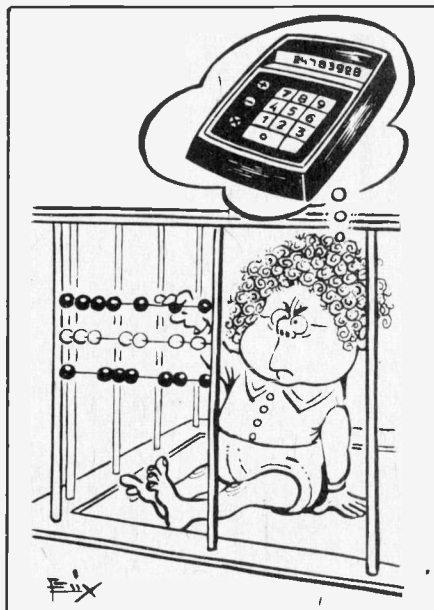
CB One-Hander

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



CIRCLE 32 ON READER SERVICE COUPON

selector built into the microphone. The 1½ x 5¼ x 7-in. remote section can be mounted in otherwise inaccessible locations and is easily concealed as a deterrent to theft. All crystals are supplied for 23-channel operation and the radio is rated at four watts RF power output maximum. The One-Hander has a built-in full-time noise blander and automatic noise limiter circuit to reduce ignition-type noise, and ceramic filtering to eliminate station interference. A three-position switch on the transceiver selects a built-in speaker, external speaker or uses the microphone as a speaker. Sensitivity is given as 0.5 uV for 10 dB S+N/N. Selectivity is rated at -6 dB, ±3 kHz. Adjacent channel rejection is rated at 60 dB. The Realistic TRC-61 One-Hander is priced at \$149.95. For 12 VDC, positive or negative ground. Available exclusively from more than 4,000 Radio Shack stores and dealers nationwide.



U.S. AM STATIONS BY LOCATION

Table of U.S. AM stations by location, Call kHz. Includes stations like Lookout Mountain-Chattanooga TN (WFLI 1070), Los Angeles, Calif. (KFI 640), Los Banos, Calif. (KLBS 1330), Lubbock TX (KEND 1890), Lynn, Mass. (WBBT 1340), Madisonville, Tenn. (WKY 1250), Marquette, Mich. (WMTQ 1490), Miami, Fla. (WTO 980), Marion, Ind. (WGOM 800).

Table of U.S. AM stations by location, Call kHz. Includes stations like Marion, Ky. (WMLJ 1010), Marshall, Mo. (KMMO 1300), Massena, N.Y. (WWSA 1340), Mayfield, Ky. (WNGO 1320), McAlester, Okla. (KMED 1440), McComb, Miss. (WAKK 1140), Memphis, Tenn. (WMBQ 580), Meridian, Miss. (WMOX 1010), Merriell, WI (WJMT 730), Metropolitan, Ill. (WMMK 820), Miami, Fla. (WTO 980), Middlebury, Vt. (WFAV 1490), Middleport, Ohio (WPMO 1380).

Table of U.S. AM stations by location, Call kHz. Includes stations like Middlesboro, Ky. (WMIK 860), Middletown, Conn. (WCNX 1150), Midland, Tex. (KCRS 880), Milwaukee, Wis. (WEMP 1250), Milwaukee, Wis. (WJIT 1340), Mineral Wells, Tex. (WKOR 1140), Mission, Kans. (KBEA 1480), Mission, Tex. (KWTV 1290), Modesto, Calif. (KTRB 880), Mojave, Calif. (KDL0 1340), Monahan, Tex. (KVCM 1330), Monett, Mo. (KRMO 990), Monroeville, Pa. (WPSL 610), Monterey, Calif. (KIBD 830), Montevideo, Minn. (KMBY 1240), Montezuma, Ga. (WVXV 1600), Monticello, Fla. (WVBA 1090), Monticello, Miss. (WMLC 1270), Montpelier, Ida. (KVSI 1450), Montpelier-Barre, Vt. (WSKI 1240), Monroe, Colo. (KBC 580), Montrose, Pa. (WPEL 1250), Mooreville, N.C. (WHIP 1350), Moorhead, Minn. (KVX0 1280), Morehead, Ky. (WMOR 1330), Morgan City, La. (WMBL 740), Morgantown, N.C. (WNNC 1430), Morgantown, Ky. (WLBQ 1570), Morgantown, W.Va. (WVBA 1440), Morris, Ill. (WCSJ 1550), Morris, Minn. (KMRS 1230), Morristown, N.J. (WMTR 1250), Morristown, Tenn. (WCRK 1150), Morrow Bay, Calif. (KBA 1150), Morton, Tex. (KLAN 1280), Moscow, Idaho (KRPL 1400).

Table of U.S. AM stations by location, Call kHz. Includes stations like Moses Lake, Wash. (KSEN 1470), Moss Point, MS (WKKY 1480), Moulton, Ala. (WHIY 1530), Mount Airy, N.C. (WSPQ 740), Mount Pleasant, Mich. (WVDB 1430), Mt. Vernon, Ohio (WVNO 880), Mt. Vernon, Wash. (KAPB 1470), Muleshoe, Tex. (KMUL 1380), Muncie, Ind. (WLBC 1340), Muncie, Ind. (WERK 990), Munfordville, Ky. (WLOC 1180), Murfreesboro, N.C. (WWDR 1080), Murfreesboro, Tenn. (WNSN 1450), Murphy, N.C. (WMTS 810), Murphysboro, Ill. (WKRK 1520), Murray, Ky. (WNB3 1340), Murray, Utah (KMOR 1230), Muscatine, Iowa (KWPC 880), Muscle Shoals, AL (WLAY 1450), Muskogee, Okla. (WKJH 1820), Muskogee, Okla. (KBIX 1490), Myrtle Beach, S.C. (WYB 1480), Naacogoches, Tex. (KEE 1230), Nampa, Idaho (KFSD 880), Nanticoke, Pa. (WNAK 730), Napa, Calif. (KVON 1440), Naples, Fla. (WNOG 1270), Narrrows-Pearlsburg, Va. (WNRV 990), Nashua, N.H. (WDTW 900), Nashville, Ar. (KBCH 1280), Nashville, Ga. (WNGA 1800), Nashville, Tenn. (WLAC 1510), Neenah, Wis. (WNAM 1280), Neilville, Wis. (WCCN 1370), Nelsonville, O. (WNAL 940), Neon, Ky. (WNYK 1480), Neosho, Mo. (KDDA 1420), New Albany, Ind. (WHEL 1570), New Albany, Miss. (WNAU 1470), Newark, Del. (WNRK 1260), Newark, N.J. (WNJR 1430), Newark, N.Y. (WACK 1420), Newark, Ohio (WCLT 1430), New Bedford, Mass. (WBSM 1420), New Bern, N.C. (WHIT 1450), Newberry, Mich. (WNB3 1450), Newberry, S.C. (WKDK 1240), New Britain, Conn. (WYOW 1550), New Brunswick, N.J. (WCTC 1450), Newburgh, N.Y. (WGNV 1220), Newburgh, Pa. (WGO 1530), New Castle, Ind. (WCTW 1550), New Castle, Pa. (WBYZ 1140), Neweaston, Wyo. (KABL 1240), New City, N.Y. (WRKL 910), New Haven, Conn. (WVIZ 1300), New Iberia, La. (KANE 1240), New Kensington, Pa. (WKPA 1150), Newland, NC (WJTP 1130), New London, Conn. (WNLC 1510).

U.S. AM STATIONS BY LOCATION

Table with 4 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	kHhz	Location	Call	kHhz	Location	Call	kHhz	Location	Call	kHhz
Radford, Va.	WRAD	1480	Radford, Va.	WRAD	1480	Radford, Va.	WRAD	1480	Radford, Va.	WRAD	1480
Raefford, N.C.	WRSB	1400	Raefford, N.C.	WRSB	1400	Raefford, N.C.	WRSB	1400	Raefford, N.C.	WRSB	1400
Rainelle, WV	WRRL	1130	Rainelle, WV	WRRL	1130	Rainelle, WV	WRRL	1130	Rainelle, WV	WRRL	1130
Rainville AL	WRSM	1800	Rainville AL	WRSM	1800	Rainville AL	WRSM	1800	Rainville AL	WRSM	1800
Raleigh, N.C.	WKXK	850	Raleigh, N.C.	WKXK	850	Raleigh, N.C.	WKXK	850	Raleigh, N.C.	WKXK	850
	WYNA	1530		WYNA	1530		WYNA	1530		WYNA	1530
	WPTF	680		WPTF	680		WPTF	680		WPTF	680
	WLLE	570		WLLE	570		WLLE	570		WLLE	570
	WRNC	1240		WRNC	1240		WRNC	1240		WRNC	1240
	KCLR	1530		KCLR	1530		KCLR	1530		KCLR	1530
Ralls, Tex.	WRTL	1490	Ralls, Tex.	WRTL	1490	Ralls, Tex.	WRTL	1490	Ralls, Tex.	WRTL	1490
Rantoul, Ill.	WQVR	1320	Rantoul, Ill.	WQVR	1320	Rantoul, Ill.	WQVR	1320	Rantoul, Ill.	WQVR	1320
Randolph VT	KOTA	1380	Randolph VT	KOTA	1380	Randolph VT	KOTA	1380	Randolph VT	KOTA	1380
Rapid City, S.Dak.	KIMM	1150	Rapid City, S.Dak.	KIMM	1150	Rapid City, S.Dak.	KIMM	1150	Rapid City, S.Dak.	KIMM	1150
	KTOQ	1340		KTOQ	1340		KTOQ	1340		KTOQ	1340
	KKLS	920		KKLS	920		KKLS	920		KKLS	920
	KRTN	1490		KRTN	1490		KRTN	1490		KRTN	1490
	WMOV	1360		WMOV	1360		WMOV	1360		WMOV	1360
	KRAL	1240		KRAL	1240		KRAL	1240		KRAL	1240
	KAPA	1340		KAPA	1340		KAPA	1340		KAPA	1340
	KSOX	1240		KSOX	1240		KSOX	1240		KSOX	1240
	KRIH	990		KRIH	990		KRIH	990		KRIH	990
	WEEU	850		WEEU	850		WEEU	850		WEEU	850
	WHUM	1240		WHUM	1240		WHUM	1240		WHUM	1240
	RAW	1340		RAW	1340		RAW	1340		RAW	1340
	WRMG	1430		WRMG	1430		WRMG	1430		WRMG	1430
	KRDG	1230		KRDG	1230		KRDG	1230		KRDG	1230
	KCLM	1530		KCLM	1530		KCLM	1530		KCLM	1530
	KQMS	1400		KQMS	1400		KQMS	1400		KQMS	1400
	KVGV	600		KVGV	600		KVGV	600		KVGV	600
	KVIF	540		KVIF	540		KVIF	540		KVIF	540
	KVFB	1490		KVFB	1490		KVFB	1490		KVFB	1490
	KCAL	1410		KCAL	1410		KCAL	1410		KCAL	1410
	WGCB	1440		WGCB	1440		WGCB	1440		WGCB	1440
	KRBN	1450		KRBN	1450		KRBN	1450		KRBN	1450
	KPRB	1240		KPRB	1240		KPRB	1240		KPRB	1240
	KOAK	1080		KOAK	1080		KOAK	1080		KOAK	1080
	KONE	1450		KONE	1450		KONE	1450		KONE	1450
	KCUK	1250		KCUK	1250		KCUK	1250		KCUK	1250
	KLGR	1490		KLGR	1490		KLGR	1490		KLGR	1490
	WRDB	1400		WRDB	1400		WRDB	1400		WRDB	1400
	KDUN	1470		KDUN	1470		KDUN	1470		KDUN	1470
	WTNL	1390		WTNL	1390		WTNL	1390		WTNL	1390
	WRFB	1800		WRFB	1800		WRFB	1800		WRFB	1800
	WRRE	1220		WRRE	1220		WRRE	1220		WRRE	1220
	WADR	1480		WADR	1480		WADR	1480		WADR	1480
	KOH	630		KOH	630		KOH	630		KOH	630
	KBET	1340		KBET	1340		KBET	1340		KBET	1340
	KCRJ	780		KCRJ	780		KCRJ	780		KCRJ	780
	KOBY	1550		KOBY	1550		KOBY	1550		KOBY	1550
	KOLO	920		KOLO	920		KOLO	920		KOLO	920
	KONE	1450		KONE	1450		KONE	1450		KONE	1450
	KCBN	1230		KCBN	1230		KCBN	1230		KCBN	1230
	WRIN	1580		WRIN	1580		WRIN	1580		WRIN	1580
	WQBK	1300		WQBK	1300		WQBK	1300		WQBK	1300
	KRXX	1230		KRXX	1230		KRXX	1230		KRXX	1230
	WDBT	1240		WDBT	1240		WDBT	1240		WDBT	1240
	WJMC	1240		WJMC	1240		WJMC	1240		WJMC	1240
	WWD	880		WWD	880		WWD	880		WWD	880
	KSYK	950		KSYK	950		KSYK	950		KSYK	950
	KALE	980		KALE	980		KALE	980		KALE	980
	WRGO	1450		WRGO	1450		WRGO	1450		WRGO	1450
	WRIC	540		WRIC	540		WRIC	540		WRIC	540
	WRBV	1490		WRBV	1490		WRBV	1490		WRBV	1490
	WEKY	1340		WEKY	1340		WEKY	1340		WEKY	1340
	WCBR	1110		WCBR	1110		WCBR	1110		WCBR	1110
	WANT	990		WANT	990		WANT	990		WANT	990
	WBBL	1480		WBBL	1480		WBBL	1480		WBBL	1480
	WRGM	1540		WRGM	1540		WRGM	1540		WRGM	1540
	WLEE	1450		WLEE	1450		WLEE	1450		WLEE	1450
	WGOE	1590		WGOE	1590		WGOE	1590		WGOE	1590
	WTVR	1380		WTVR	1380		WTVR	1380		WTVR	1380
	WRNL	910		WRNL	910		WRNL	910		WRNL	910
	WRVA	1140		WRVA	1140		WRVA	1140		WRVA	1140
	WXGI	950		WXGI	950		WXGI	950		WXGI	950
	WVAR	800		WVAR	800		WVAR	800		WVAR	800
	KLOA	1240		KLOA	1240		KLOA	1240		KLOA	1240
	KZIQ	1360		KZIQ	1360		KZIQ	1360		KZIQ	1360
	WBUG	1430		WBUG	1430		WBUG	1430		WBUG	1430
	KWSR	810		KWSR	810		KWSR	810		KWSR	810
	WJNO	1320		WJNO	1320		WJNO	1320		WJNO	1320
	WCSA	1400		WCSA	1400		WCSA	1400		WCSA	1400
	WTRB	1570		WTRB	1570		WTRB	1570		WTRB	1570
	WCWC	1600		WCWC	1600		WCWC	1600		WCWC	1600
	WEVR	1550		WEVR	1550		WEVR	1550		WEVR	1550
	WRIV	1390		WRIV	1390		WRIV	1390		WRIV	1390
	WRGN	1570		WRGN	1570		WRGN	1570		WRGN	1570
	KPHV	1570		KPHV	1570		KPHV	1570		KPHV	1570
	KVOV	1450		KVOV	1450		KVOV	1450		KVOV	1450
	WELR	1360		WELR	1360		WELR	1360		WELR	1360
	WFR	960		WFR	960		WFR	960		WFR	960
	WRIS	1410		WRIS	1410		WRIS	1410		WRIS	1410
	WTOY	910		WTOY	910		WTOY	910		WTOY	910
	WROV	1410		WROV	1410		WROV	1410		WROV	1410
	WBLG	810		WBLG	810		WBLG	810		WBLG	810
	WCBT	1230		WCBT	1230		WCBT	1230		WCBT	1230
	WKMC	1370		WKMC	1370		WKMC	1370		WKMC	1370
	WTAJ	1570		WTAJ	1570		WTAJ	1570		WTAJ	1570
	KROB	1510		KROB	1510		KROB	1510		KROB	1510
	WRHL	1060		WRHL	1060		WRHL	1060		WRHL	1060
	KROC	1340		KROC	1340		KROC	1340		KROC	1340
	KWEB	1270		KWEB	1270		KWEB	1270		KWEB	1270
	KOLM	1520		KOLM	1520		KOLM	1520		KOLM	1520
	WVNH	930		WVNH	930		WVNH	930		WVNH	930
	WBFJ	960		WBFJ	960		WBFJ	960		WBFJ	960
	WAM	1190		WAM	1190		WAM	1190		WAM	1190
	WHEC	1460		WHEC	1460		WHEC	1460		WHEC	1460
	WNYH	680		WNYH	680		WNYH	680		WNYH	680
	WSAY	1370		WSAY	1370		WSAY	1370		WSAY	1370
	WROC	1280		WROC	1280		WROC	1280		WROC	1280
	WRBK	1440		WRBK	1440		WRBK	1440		WRBK	1440
	WYFE	150		WYFE	150		WYFE	150		WYFE	150
	WRRR	1330		WRRR	1330		WRRR	1330		WRRR	1330
	WJPW	810		WJPW	810		WJPW	810		WJPW	810
	WRHI	1340		WRHI	1340		WRHI	1340		WRHI	1340
	WYTC	1150		WYTC	1150		WYTC	1150		WYTC	1150
	WAYN	900		WAYN	900		WAYN	900		WAYN	900
	WVWL	1500		WVWL	1500		WVWL	1500		WVWL	1500
	WHBF	1270		WHBF	1270		WHBF	1270		WHBF	1270
	WRKD	1450		WRKD	1450		WRKD	1450		WRKD	1450
	WPLK	1220		WPLK	1220		WPLK	1220		WPLK	1220
	KRKK	1360		KRKK	1360		KRKK	1360			

U.S. AM STATIONS BY LOCATION

Location	Call	kHz	Location	Call	kHz	Location	Call	kHz	Location	Call	kHz
Wetumka AL	WETU	1250	Williamson, W. Va.	WBTH	1400	Winner, S. Dak.	KWYR	1260	Worthington, Ohio	WRFD	880
Wewoka-Seminole, Okla.	KWSH	1260	Williamsport, Pa.	WLYC	1050	Winnboro, La.	KMAR	1570	Wynne AR	KWYN	1400
Wharton, Tex.	KANI	1500		WRAX	1400	Winnboro, S.C.	KWNO	1230	Wyoming MI	WYGR	1530
Wheatland, Wyo.	KYCN	1340		WWPA	1340	Winona, Minn.	KAGE	1380	Wytheville, Va.	WYVE	1280
Wheaton, Md.	WDON	1540	Williamston, N.C.	WIAM	900	Winona, Miss.	WONA	1570	Xenia, O.	WELX	1110
Wheeling, W. Va.	WHLL	1600	Williamstanton, Conn.	WILI	1400	Winstow AZ	KINO	1230		WGIC	1500
	WNEU	1600	Williamston, N.D.	WEYZ	1380	Winston-Salem, N.C.	WAAA	980	Yabucoa, PR	WKEW	840
	WKWK	1400	Williamston, N.C.	WEYZ	1380		WAIK	1320	Yadkinville, N.C.	WYDK	1480
	WWVA	1170	Williamston, N.C.	WEYZ	1380		WZNG	1580	Yakima, Wash.	KIT	920
Whitehall, Mich.	WLRC	1490	Williamston, N.C.	WEYZ	1380		WSJB	800		KBBO	1390
White Plains, N.Y.	WFAS	1230	Williamston, N.C.	WEYZ	1380		WTOB	1380		KQOT	930
White River June, VT	WNHV	910	Williamston, N.C.	WEYZ	1380		WKBX	1500		KUTI	980
Whitesburg, Ky.	WTGW	920	Williamston, N.C.	WEYZ	1380		WOKB	1600	Yankton, S.D.	KYNT	1450
White Sulphur Springs, WV	WSLW	1310	Williamston, N.C.	WEYZ	1380		WSR	1490	Yauco, P.R.	WKFE	1350
Whiteville, N.C.	WENC	1220	Williamston, N.C.	WEYZ	1380		WTAG	1490	Yazoo City, Miss.	WAZP	1230
Whitely City, KY	WEOQ	1220	Williamston, N.C.	WEYZ	1380		WNBE	1440		WYAZ	1530
Wichita, Kans.	KAKE	1240	Wilmington, OH	WKFI	1090	Winters, Tex.	KRWT	1080	York, Nebr.	KAWL	1370
	KLUO	900	Wilmington, N.C.	WMFD	830		WNNO	990	York AL	WYLS	1350
	KLEO	1480		WNFL	1490	Wisconsin Rapids, Wis.	WFHR	1320	York, PA	WZIX	1350
	KFDI	1070		WKLM	1340		WASR	1420		WZBW	1250
	KFH	1330		WKLM	1340		WASR	1420	York, S.C.	WYCL	980
	KWBB	1410		WKLM	1340		WASR	1420	Youngstown, Ohio	WBBW	1240
Wichita Falls, Tex.	KNIN	990		WKLM	1340		WASR	1420		WFMJ	1390
	KFTN	1280		WKLM	1340		WASR	1420		WGFT	1500
	KWFT	820		WKLM	1340		WASR	1420	Ypsilanti, Mich.	WSDS	1480
Wickenburg AZ	KSFW	1250		WKLM	1340		WASR	1420	Yreka, Calif.	KPYC	1520
Wickford, R.I.	WKFD	1370		WKLM	1340		WASR	1420	Yuba City, Calif.	KUBA	1600
Wiggins, Miss.	WIGG	1420		WKLM	1340		WASR	1420		KOBO	1450
Wildwood, N.J.	WCMC	1230		WKLM	1340		WASR	1420	Yuma AZ	KAWC	1320
Wilkes-Barre, Pa.	WBAX	1240		WKLM	1340		WASR	1420		KVOY	1400
	WBRE	1340		WKLM	1340		WASR	1420		KBLU	580
	WILK	980		WKLM	1340		WASR	1420	Zanesville, Ohio	WHIZ	1240
Wilkesboro, N.C.	WVVC	1240		WKLM	1340		WASR	1420	Zephyrhills, Fla.	WPAS	1400
Williamsburg, Ky.	WEZJ	1440		WKLM	1340		WASR	1420	Zion, Ill.	WZBN	1500
Williamsburg, Va.	WBCI	740		WKLM	1340		WASR	1420			

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KAAA	Kingman AZ	1230	KASL	Newcastle, Wyo.	1240	KBLW	Logan, Utah	1390	KCCS	Salem, OR	1220
KAAP	Santa Paula, CA	1400	KASM	Albany, Minn.	1150	KBLV	Gold Beach, Ore.	1390	KCCV	Corpus Christi, Tex.	1150
KAAQ	Mountlake Terr., WA	1510	KASO	Minden, La.	1240	KBML	Henderson, Nev.	1400	KCCW	Independence, Mo.	1510
KAAU	Denver CO	1090	KAST	Astoria, Ore.	1370	KBMN	Bozeman, Mont.	1230	KCEE	Tucson AZ	1390
KAAV	Little Rock AR	1090	KASY	Auburn, Wash.	1340	KBMO	Benson, Minn.	1290	KCEY	Turlock, Cal.	1790
KABC	Los Angeles, Calif.	790	KATA	Aracata, CA	1340	KBMW	Bismarck, N. D.	1350	KCFI	Cedar Falls, Iowa	1300
KABI	Abilene, Kans.	1560	KATB	Agana, GU	570	KBMY	Breckenridge, Minn.	1450	KCFM	Mendocino, CA	1250
KABL	Oakland, Calif.	960	KATE	Albert Lea, Minn.	1450	KBND	Bend, Ore.	1110	KCFJ	Cedar Falls, Iowa	1300
KABQ	Albuquerque, N.M.	1350	KATI	Casper, Wyo.	1400	KBOA	Bozeman, Mont.	830	KCHJ	Chillicothe, Mo.	1010
KABR	Aberdeen, S. Dak.	1420	KATL	Miles City, Mont.	1340	KBOE	Oskaloosa, Iowa	740	KCHK	Chillicothe, Mo.	1010
KACI	The Dalles, Ore.	1300	KATO	Safford AZ	1230	KBOI	Boise, ID	670	KCHR	Charleston, Mo.	1350
KACJ	Bohemia, Pa.	1080	KATP	Eugene, Ore.	1220	KBOK	Boivern AR	1310	KCHS	Truth or Consequences, N.M.	1400
KACT	Andrew, Tex.	1350	KATQ	San Luis Obispo, Cal.	1340	KBOL	Boulder, Colo.	1490	KCHV	Coachella, Calif.	970
KACY	Port Hueneme, Calif.	1520	KATY	San Luis Obispo, Cal.	1340	KBOP	Pleasanton, Tex.	1600	KCIA	Humble City, N. Mex.	1110
KADA	Ada, Okla.	1230	KATZ	St. Louis, MO	1600	KBOR	Brownsville, Tex.	1600	KCID	Caldwell, Idaho	1490
KADE	Boulder CO	1190	KAUS	Austin, Minn.	1480	KBOW	Butte, Mont.	550	KCIJ	Washington, Iowa	1380
KADI	Clayton, MO	1320	KAVA	Burney, Cal.	1450	KBOX	Dallas, TX	1490	KCIJ	Shreveport, La.	980
KADL	Pine Bluff AR	1270	KAVE	Carlsbad, N.Mex.	1240	KBOY	Medford, Ore.	730	KCKM	Garrill, Iowa	1380
KADO	Texarkana, TX-AR	940	KAVI	Rocky Ford, Colo.	1320	KBOZ	Bozeman, MT	1090	KCKN	Victorville, Calif.	1390
KADS	Elk City, Okla.	1240	KAVJ	Rocky Ford, Colo.	1320	KBRB	Burlington, Ore.	1450	KCKP	Minneapolis, Minn.	920
KAFE	Santa Fe, N.M.	810	KAVK	Apple Valley, Calif.	960	KBRM	Bremerton, Wash.	1420	KCKR	Kansas City, Kans.	1350
KAFF	Flagstaff AZ	930	KAWC	Yuma AZ	1320	KBRN	Brighton, Colo.	800	KCKV	Jena, La.	1480
KAFY	Bakersfield, Calif.	550	KAWL	York, Neb.	1370	KBRP	Fergus Falls, Minn.	1250	KCKY	Coolidge AZ	1150
KAGE	Wadena, Minn.	930	KAWT	Douglas AZ	1450	KBRQ	Boise ID	950	KCLA	Pine Bluff AR	1400
KAGH	Crosslet AR	800	KAWW	Heber Springs AR	1370	KBRP	Portland, Ore.	1450	KCLD	St. Cloud, NM	1400
KAGI	Grants Pass, Ore.	1380	KAYC	Beaumont, Tex.	1450	KBRB	Burlington, Mass.	1400	KCLE	Cleburne, Tex.	1100
KAGO	Klamath Falls, Ore.	1350	KAYG	Lakewood, Wash.	1480	KBRM	Mid Vernon, Wash.	1420	KCKL	Clarkston, Wash.	1430
KAGT	Anacortes, Wash.	1340	KAYK	Provo, UT	990	KBRE	Cedar City, Utah	940	KCKM	Redding, Cal.	1330
KAGY	Port Sulphur LA	1510	KAYL	Storm Lake, Iowa	990	KBRF	Fergus Falls, Minn.	1250	KCKN	Clinton, Iowa	1390
KAHI	Auburn, Calif.	950	KAYO	Seattle, Wash.	1150	KBRG	Leadville, Colo.	1230	KCKO	Leavenworth, Kans.	1410
KAHU	Waipahu, Hawaii	940	KAYS	Kansas City, Mo.	1190	KBRH	Springdale AR	1340	KCLR	Ralls, Tex.	1530
KAHM	Honolulu, Hawaii	870	KAYT	Rupert, Idaho	970	KBRV	Soda Springs, Ida.	740	KCLT	Lockhart, TX	1060
KAIN	Nampa, Ida.	1340	KAZA	Gilroy, Cal.	1290	KBRW	Barrow AK	680	KCLU	Rolla, Mo.	1590
KAIJ	Tucson, Ariz.	1490	KAZM	Sedona, AZ	700	KBRZ	Freeport, Texas	1460	KCLV	Clovis, N.Mex.	1240
KAIK	Crowsley, La.	1560	KBAB	Indianola, Iowa	1490	KBSF	Springhill, La.	1460	KCLW	Hamilton, Tex.	900
KAKJ	Grants Pass, Ore.	1270	KBAD	Carlsbad, N.M.	740	KBSN	Crane, Tex.	970	KCLX	Colfax, Wash.	1450
KAKA	Dermott, AR	1110	KBAI	Morro Bay, Calif.	1150	KBST	Big Spring, Tex.	1490	KCMC	Texarkana, Tex.	1350
KAKC	Tulsa, Okla.	970	KBAL	San Saba, Tex.	1410	KBTA	Batesville AR	1340	KCMJ	Palm Sprgs., Calif.	1010
KAKE	Wichita, Kan.	1240	KBAM	Longview, Wash.	1270	KBTC	Houston, Mo.	810	KCMP	Brush, CO	1010
KALB	Alexandria, La.	580	KBAN	Bowie, Tex.	1410	KBTM	Jonesboro AR	1230	KCMX	Ashland OR	980
KALE	Richland, Wash.	960	KBAR	Burley, Idaho	1600	KBTN	Neosho, Mo.	1420	KCNI	Broken Bow, Nebr.	1280
KALG	Alamogordo, N.Mex.	1230	KBBB	Benton AR	890	KBUJ	Sparks, Nev.	1270	KCNO	Alturas, Calif.	570
KALI	San Gabriel, Cal.	1430	KBBB	Borger, Tex.	1600	KBUJ	Athens, Tex.	1490	KKNY	San Marcos, Tex.	1470
KALL	Salt Lake City, Utah	910	KBBQ	Yakima, Wash.	1390	KBUG	Springfield MO	1080	KCOB	Newton, Iowa	1280
KALM	Thayer, Mo.	1290	KBBR	Ventura-Oxnard, CA	1590	KBUH	Brighton City, Utah	800	KCOG	Centerville, Iowa	1400
KALO	Little Rock AR	1250	KBBR	North Bend, Ore.	1590	KBUK	Baytown, TX	1380	KCOH	Houston, Tex.	1430
KALT	Atlanta, Tex.	900	KBBS	Buffalo, Wyo.	1450	KBUL	Wichita, KS	900	KCOL	Tulare, Calif.	1270
KALV	Alva, Okla.	1430	KBBV	Big Bear Lake, CA	1050	KBUN	Bemidji, Minn.	1450	KCOO	Ft. Collins, Colo.	1410
KAMA	El Paso TX	1060	KBBW	Lincoln City OR	1380	KBUS	Burlington, Iowa	1480	KCOM	Comanche, Tex.	1550
KAMD	Camden AR	910	KBCL	Shreveport, La.	1220	KBUZ	Mesa AZ	1310	KCON	Conway AR	1230
KAMI	Cozad, Neb.	1580	KBCQ	Roswell, NM	1020	KBVM	Lancaster, Calif.	1380	KCOR	San Antonio, Tex.	1350
KAML	Kenedy-Nearby City, Tex.	990	KBCG	Eugene, OR	1280	KBWD	Brownwood, TX	1380	KCOW	Alliance, Nebr.	1400
KAMO	Rogers AR	1390	KBCB	Waxahatchie, Kans.	1390	KBXN	Kennett, MO	1540	KCPX	Salt Lake City, Utah	1320
KAMP	El Centro, Calif.	1450	KBCD	Mission, Kans.	1280	KBYG	Okla. City, Okla.	890	KCRS	Sacramento, Calif.	1320
KAMX	Albuquerque NM	1520	KBCE	Waxahatchie, Kans.	1390	KBYG	Big Springs, Tex.	1490	KCRG	Enid, Okla.	1390
KAMY	McAas, Tex.	1450	KBEE	Modesto, Calif.	970	KBYV	Shamrock, Tex.	1580	KCRH	Cedar Rapids, Iowa	1600
KANA	Anaconda, Mont.	580	KBEL	Idabel, Okla.	1240	KBYW	Anerorage AK	700	KCRJ	Reno, Nev.	740
KANC	Anchorage, Alaska	1030	KBEN	Carrizo Sprgs., Tex.	1450	KBZB	Odessa, Tex.	920	KCRS	Midland, Tex.	550
KAND	Corsicana, Tex.	1300	KBET	Reno, Nev.	1340	KBZL	Salerno, Ore.	1490	KCRT	Trinidad, Colo.	1240
KANE	New Iberia, La.	1240	KBEW	Blue Earth, Minn.	1580	KCBZ	LaJunta, Colo.	1400	KCSV	Caruthersville, Mo.	1370
KANI	Wharton, Tex.	1500	KBEW	Blue Earth, Minn.	1580	KCBZ	Dardanelle AR	980	KCSJ	Pueblo, Colo.	590
KANN	Ogden, Utah	1090	KBEW	Blue Earth, Minn.	1580	KCAD	Abilene, Tex.	1560	KCSR	Chadron, Nebr.	610
KANO	Anoka, Minn.	1470	KBEW	Blue Earth, Minn.	1580	KCAD	Redlands, Calif.	1410	KCTA	Corpus Christi, Tex.	1050
KANS	Larned, Kan.	1510	KBEW	Blue Earth, Minn.	1580	KCAM	Glennallen AK	750	KCTI	Gonzales, Tex.	1450
KAOH	Duluth, Minn.	1390	KBEW	Blue Earth, Minn.	1580	KCAN	Canyon, Tex.	1590	KCTO	Columbia, La.	1540
KAOK	Lake Charles, La.	1400	KBEW	Blue Earth, Minn.	1580	KCAP	Helena, Mont.	1340	KCTY	Sallinas, Calif.	980
KAOI	Carrollton, Mo.	1430	KBEW	Blue Earth, Minn.	1580	KCAT	Salena, Tex.	1280	KCTX	Childress, Tex.	1510
KAPA	Raymond, Wash.	1340	KBEW	Blue Earth, Minn.	1580	KCBT	Pine Bluff AR	1340	KCUB	Tucson AZ	1290
KAPB	Marksville, La.	1370	KBEW	Blue Earth, Minn.	1580	KCBT	Des				

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KDAZ	Albuquerque, N.M.	730	KEYR	Terrytown, Nebr.	690	KGMV	Missoula, Mont.	1450	KIT	Yakima, Wash.	1280
KDBA	San Barba, Calif.	1490	KEYS	Corpus Christi, Tex.	1440	KGNB	New Braunfels, Tex.	1420	KITE	Terrell Hills, Tex.	930
KDBM	Dillon, Mont.	1490	KEYV	Provo, Utah	1450	KGNC	Amarillo, Tex.	710	KITI	Chahalis-Centralia, Wash.	1420
KDBS	Alexandria, La.	1410	KEYZ	Williston, N.Dak.	1360	KGO	Dodge City, Kans.	1370	KITN	Olympia, Wash.	920
KDCE	Espanola, N.M.	970	KEZE	Spokane, Wash.	1380	KGO	San Francisco, Calif.	810	KIUL	Garden City, Kans.	850
KDDA	Dumas AR	1560	KEZM	Sulphur, LA	1310	KGEO	Thousand Oaks, Calif.	850	KIUP	Pecos, TX	1440
KDDD	Dumas, Tex.	800	KEYZ	Anahim, Calif.	1190	KGOL	Palm Desert, CA	1270	KIXZ	Durango, CO	930
KDDR	Oakes ND	1160	KEAB	Omaha, Neb	1430	KGOS	Torrington, Wyo.	1490	KIVY	Crockett, Tex.	1290
KDEF	Albuquerque, N.Mex.	1150	KEAC	Los Angeles, Calif.	1330	KGPD	Clinton, CA	790	KIWA	Sheldon, Iowa	1550
KDEN	Denver, Colo.	1340	KFAH	Lakewood Center, Wash.	1480	KGRB	West Covina, Cal.	900	KIXI	Seattle, Wash.	910
KDEO	El Cajon, Calif.	910	KFAL	Fulten, Mo.	900	KGRD	Band, Oregon	940	KIXL	Austin, TX	970
KDES	Palm Sprgs., Calif.	920	KFAF	Fairbanks AK	660	KGRN	Grimnell, Iowa	1410	KIXS	Killeen TX	1050
KDET	Center, Tex.	930	KFAZ	San Francisco, Calif.	1100	KGRP	Pampa, Tex.	1230	KIXX	Pravo, UT	1400
KDEW	DeWitt AR	1470	KFBC	Fayetteville, AR	1250	KGRT	Las Cruces, N.Mex.	570	KJAM	Amarillo, Tex.	940
KDEX	Dexter, Mo.	1580	KFBO	Cheyenne, Wyo.	1240	KGBT	Fresno, Calif.	1600	KJAN	Madison, S.Dak.	1200
KDFL	Sumner, Wash.	1560	KFBW	Waynesville, Mo.	1270	KGTN	Georgetown, Tex.	1590	KJAN	Atlanta, Iowa	1220
KDFN	Doniphan, Mo.	1500	KFBK	Sacramento, Calif.	1530	KGUH	Honolulu, Hawaii	780	KJAS	Jackson MO	1170
KDGO	Durango, Colo.	1240	KFBR	Nogales AZ	1340	KGUL	Port Lavae, Tex.	1560	KJAX	Santa Rosa, Calif.	1150
KDHI	Twenty-nine Palms, California	1250	KFCB	Redfield, S. Dak.	1380	KGVL	Greenville, Tex.	1400	KJAY	Sacramento, Calif.	1430
KDHL	Faribault, MN	920	KCDF	Van Buren AR	1580	KGVO	Missoula, Mont.	620	KJBC	Midland, Tex.	1410
KDHN	Dimititt, TX	1470	KCFD	Wichita, Kansas	1070	KGWV	Belgrade, Mont.	1390	KJCF	Festus, Mo.	1400
KDHO	Ortonville, Calif.	1310	KCFR	Grand Coulee, Wash.	1360	KGW	Portland, Oreg.	920	KJCH	Cleveland, TX	1410
KDIO	Ortonville, Minn.	1350	KCFE	Pueblo, Colo.	970	KGW	Enid, Okla.	920	KJCK	Junetion City, Kns.	1420
KDIX	Dickinson, N.Dak.	1230	KFEQ	St. Joseph, Mo.	680	KGYN	Guymon, Okla.	1210	KJCY	John Day, Ore.	1400
KDJI	Holtbrook AZ	1270	KFFA	Helena AR	1360	KHAC	Window Rock AZ	1300	KJEF	Jennings, La.	1290
KDJW	Amarillo, Tex.	1010	KFGO	Fargo, N.D.	790	KHAD	DeSoto, Mo.	1190	KJEL	Lebanon MO	1080
KDKA	Pittsburgh, Pa.	1020	KFGQ	Boone, Iowa	1260	KHAK	Cedar Rapids, Iowa	1360	KJEM	Wagoner, OK	1530
KDKB	Mesa, AZ	1010	KFH	Wichita, Kans.	1350	KHAL	Homer, La.	1320	KJET	Beaumont, Tex.	1380
KDKC	Clinton, Mo.	1280	KFHI	Proton, Minn.	1060	KHAP	Axtom, N.M.	1320	KJIM	Ft. Worth, Tex.	1490
KDKO	Littleton, Colo.	1510	KFIR	Sweet Home, Ore.	1370	KHAR	Anchorage AK	990	KJJJ	Phoenix AZ	910
KDLA	DeRidder, La.	1010	KFIV	Modesto, Calif.	1360	KHAS	Hastings, Nebr.	1230	KJLT	North Platte, Nebr.	970
KDLG	Dillingham, AK	870	KFIZ	Fond du Lac, Wis.	1450	KHBM	Monticello AR	1430	KJNO	Juneau AK	630
KDLK	Del Rio, Tex.	1230	KFJB	Marshalltown, Iowa	1230	KHBR	Hillabera, Tex.	1560	KJNP	North Pole AK	1170
KDLM	Detroit Lakes, Minn.	1340	KFJM	Grand Forks, N.Dak.	1370	KHCS	Phoenix AR	1010	KJOE	Shreveport, La.	1480
KDLR	Devils Lake, N.Dak.	1240	KFJZ	Ft. Worth, Tex	1310	KHDN	Hardin, Mont.	1230	KJOY	Stockton, Calif.	1370
KDLT	Delta, UT	540	KFKA	Greely, Colo.	1310	KHEM	Big Springs, Tex.	930	KJPW	Waynesville, Mo.	1390
KDMA	Montevideo, Minn.	1460	KFKU	Lawrence, Kans.	1250	KHEP	Phoenix AZ	1280	KJR	Seattle, Wash.	950
KDMD	Carthage, Mo.	1490	KFLA	Scott City, Kans.	1310	KHEY	El Paso, Tex.	1590	KJRB	Spokane, Wash.	790
KDMS	El Dorado AR	1290	KFLD	Floydada, Tex.	900	KHIT	Walla Walla, Wash.	1230	KJSC	Columbus, Nebr.	900
KDNT	Denton, Tex.	1440	KFLI	Mountain Home, Ida.	1240	KHJ	Los Angeles, CA	930	KJST	Joshua Tree, Calif.	1420
KDOK	Tyler, Tex.	1440	KFLJ	Walsenburg, Colo.	1380	KHLB	Burnett TX	1840	KJWH	Camden AR	1560
KDOR	Mojave, Calif.	1340	KFLK	Baker, Mont.	960	KHMO	Hannibal, Mo.	1070	KKAA	Aberdeen, SD	1580
KDOM	Windom, Minn.	1580	KFLD	Shreveport, LA	1300	KHOB	Hobbs, N.Mex.	1390	KKAM	Publico, Colo.	1350
KDON	Salinas, Calif.	1460	KFLP	Floydada TX	900	KHOG	Haystack, N.Mex.	1440	KKAN	Phillipsburg, Kans.	1490
KDOT	Scottsdale AZ	1440	KFLS	Klamath Falls OR	1450	KHOS	Tucson AZ	1440	KKAP	Antio-Capitola, CA	1540
KDOV	Ashland OR	1350	KFLY	Corvallis, Oreg.	1240	KHOT	Madera, Calif.	1250	KKAR	Pomona, Calif.	1220
KDQV	DeQueen, AR	1390	KFMB	San Diego, Cal.	760	KHOW	Denver, Colo.	630	KKAS	Silsbee, Tex.	1300
KDRG	Deer Lodge, Mont.	1400	KFMD	Tulsa, Okla.	1050	KHRT	Harrison AR	900	KKAT	Roswell, N.M.	1440
KDRS	Paragould AR	1490	KFMO	Flat River, Mo.	1240	KHSA	Spokane, WA	590	KKAY	Grand Prairie, Tex.	730
KDRY	Alamo Hts., Tex.	1110	KFNF	Shenandoah, Iowa	920	KHSH	Minot, N. D.	1320	KKBY	Portland, Ore.	1150
KDSI	Deadwood, S. Dak.	980	KFNW	Ferriday, La.	1600	KHSL	Chico, Calif.	1320	KKCI	San Francisco, Calif.	1550
KDSN	Denison, Ia.	1530	KFNW	Fargo, ND	1170	KHSL	Chico, Calif.	1320	KKIK	Waco-Marlin, TX	1010
KDSX	Denison-Sherman, Tex.	950	KFOR	Lincoln, Nebr.	1240	KHUB	Fremont, Nebr.	1340	KKIM	Albuquerque NM	1000
KDTA	Delta, Colo.	1400	KFOX	Long Beach, Calif.	1230	KHUM	Eureka CA	790	KKIN	Aitkin, Minn.	1530
KDTH	Dubuque, Iowa	1370	KFRS	Fort Smith AR	1230	KHVN	Honolulu, Hawaii	1060	KKIS	Santa Barbara, CA	950
KDUN	Reedsport, Ore.	1470	KFRD	Anchorage AK	750	KHYM	Gilmer TX	1060	KKIT	Taos, N.Mex.	1340
KDUZ	Hutchinson, Minn.	1260	KFRA	Franklin, LA	1390	KHYN	Tucson AZ	1330	KKJO	St. Joseph, Mo.	1550
KDWA	Hastings, Minn.	1480	KFRB	Fairbanks AK	800	KIAC	Fairbanks, AK	970	KKKS	Rapid City, SD	920
KDWB	Minneapolis-St. Paul MN	630	KFRS	San Francisco, Calif.	610	KIBB	Palo Alto, Calif.	1220	KKOK	Lompoc, Calif.	1410
KDWN	Las Vegas, NV	720	KFRE	Fresno, Calif.	940	KIBL	Beeville, Tex.	1490	KKON	Kona, Hawaii	780
KDWT	Stamford, Tex.	1400	KFRM	Salina, Kan.	550	KIBS	Bishop, Calif.	1230	KKSI	Mt. Pleasant, IA	1130
KDXE	N. Little Rock, AR	1380	KFRU	Columbia, Mo.	1400	KICD	Spencer, Iowa	1240	KKUA	Honolulu, Hawaii	690
KDXI	Mansfield, La.	1360	KFSA	Fort Smith AR	960	KICK	Springfield, Mo.	1340	KKUB	Brownfield, Tex.	1300
KDXU	St. George, Utah	1430	KFSB	Joplin, Mo.	950	KICD	Calexico, Calif.	1490	KKUC	Burlington, Iowa	1150
KDYA	Tooele, Utah	990	KFSB	Denver, Colo.	1220	KICG	Chico, Calif.	1340	KKXL	Grand Forks ND	1440
KDZA	Pueblo, Colo.	1230	KFST	Ft. Stockton, Tex.	860	KICB	Hastings, Neb.	1550	KKYN	Plainview, TX	1090
KEAN	Brownwood, Tex.	1240	KFTM	Ft. Morgan, Colo.	1400	KICX	McCook, Neb.	1360	KKYR	Marshall, TX	1410
KEAP	Fresno, Calif.	980	KFTN	Provo, UT	1400	KICZ	Idaho Falls, Idaho	590	KKZZ	Lancaster CA	1380
KEBE	Jacksonville, Tex.	1400	KFTW	Fredericktown, Mo.	1450	KIDD	Monterey, Calif.	630	KLAC	Los Angeles, Calif.	570
KECH	Ketchikan, Alaska	820	KFVN	Las Vegas, N.Mex.	830	KIDO	Boise, Idaho	630	KLAD	Klamath Falls OR	960
KECK	Lincoln, Neb.	1530	KFVS	Cape Girardeau, Mo.	960	KIEV	Glendale, Calif.	870	KLAK	Lakewood, Colo.	1600
KEEN	San Antonio, Tex.	1540	KFWJ	Lake Havasu City AZ	980	KIFG	Iowa Falls, Ia.	1510	KLAM	Corvoda AK	1320
KEED	Dodge City, Kans.	1550	KFXD	Nampa, Idaho	580	KIFN	Phoenix AZ	880	KLAN	Lemoore, Calif.	1370
KEEO	Longview, Wash.	1400	KFXM	San Bernardino, Calif.	550	KIFW	Sitka, AK	1230	KLAR	Lardo, Tex.	1300
KEED	Eugene, Ore.	1450	KFYN	Bonham, Tex.	790	KIGI	Pasadena, CA	1110	KLAV	Las Vegas, Nev.	1230
KEEE	Nacogdoches, Tex.	1280	KFYV	Lubbock, Tex.	790	KIGO	St. Anthony, Ida.	1400	KLBJ	Austin TX	590
KEEL	Shreveport, La.	710	KFYR	Bismarck, N.Dak.	550	KIHN	Hugo, Okla.	1340	KLKB	Lubbock, Tex.	1340
KEEN	San Jose, Calif.	1370	KJEL	Arroyo Grande CA	1280	KIJI	Manitou Springs, CO	1490	KLBM	La Grande, Oreg.	1450
KEEP	Twin Falls, Idaho	1450	KGA	Spokane, Wash.	1510	KIIS	Los Angeles, Calif.	1150	KLBS	Los Banos, Calif.	1330
KEES	Gladewater, Tex.	1430	KGAF	Gainesville, Tex.	1580	KIIT	Ft. Collins, Colo.	1840	KLBC	Libby, Mont.	1230
KEYE	Minneapolis-St. Paul MN	1400	KGAL	Gallup, N.Mex.	1350	KIKC	Forysth, MT	1250	KLCA	Lake Charles, LA	1470
KEGG	Daingerfield, Tex.	1560	KGAS	Carthage, Tex.	1590	KIKI	Honolulu, Hawaii	850	KLCH	Blytheville AR	910
KEGL	Santa Clara, Cal.	1430	KGAY	Salem, Oreg.	1430	KIKK	Pasadena, Tex.	650	KLCO	Poteau, Okla.	1280
KEGL	Fosston, Minn.	1450	KG B	San Diego, Calif.	1360	KIKM	Sherman, TX	910	KLEA	Livington, N.Mex.	630
KEIN	Great Falls MT	1310	KG C	Galveston, Tex.	1540	KIKN	Sinton, Tex.	1880	KLEB	Golden Meadow, La.	1600
KELA	Centralia-Checkalis, Wash.	1470	KG B S	Los Angeles, Calif.	1020	KIKO	Miami AZ	1340	KLEE	Ottumwa, Iowa	1430
KELD	El Dorado AR	1400	KG B S	Harlingen, Tex.	1530	KIKS	Inla, KS	900	KLEI	Kailua, Hawaii	1130
KELI	Tulsa, Okla.	1430	KG B X	Springfield, Mo.	1260	KIKX	Tucson AZ	1370	KLEM	LeMars, Iowa	1410
KELK	Eiko, Nev.	1240	KGCA	Rugby, N.D.	1450	KIKZ	Seminole, Tex.	580	KLEO	Wichita, Kans.	1480
KELT	Sioux Falls, S.Dak.	1450	KGCL	East Prairie, Mo.	1080	KILE	Galveston, TX	1580	KLER	Orofino, Idaho	950
KELP	El Paso, Tex.	920	KGCM	Sidney, Mont.	1480	KILO	Kirkland, WA	1460	KLEU	Waterloo IA	880
KELR	El Reno, Okla.	1480	KGDN	Edmonds, Wash.	630	KILT	Houston, Tex.	1070	KLEY	Wellington, Kan.	1130
KELY	Ely, Nev.	1230	KG E K	Bakersfield, Calif.	1230	KIMB	Kimball, Nebr.	810	KLFB	Lubbock, Tex.	1420
KEMM	Marshfield, Mo.	1510	KG E K	Starling, Colo.	1230	KIML	Gillette, Wyo.	1260	KLFD	Litchfield, Minn.	1410
KENA	Mesa AR	1480	KGEM	Boise, Idaho	1140	KIMM	Rapid City, S.D.	1150	KLFG	Springfield MO	1550
KEND	Lubbock TX	1590	KGEM	Tulare, Calif.	1370	KIMP	Mt. Pleasant, Tex.	960	KLGA	Alcona, Iowa	1320
KENE	Toponish, Wash.	490	KG ER	Long Beach, Calif.	1390	KINA	Salina, Kan.	1450	KLGR	Redwood Falls, Minn.	1480
KENI	Anchorage AK	580	KG E Z	Kalispell, Mont.	1450	KIND	Independence, CA	980	KLIB	Liberal, Kans.	1470
KENM	Pcrtales, N.Mex.	1450	KG F F	Kalispell, Mont.	1450	KIND	Independence, Kan.	1010	KLIC	Monroe, La.	1230
KENN	Farmington, N.M.	1390	KG F F	Shawnee, Okla.	1430	KINE	Kingsville, Tex.	1350	KLID	Popular Bluff, Mo.	1340
KENO	Las Vegas, Nev.	1480	KGFL	Los Angeles, Calif.	1230	KING	Seattle, Wash.	1090	KLIF	Dallas, Tex.	1160
KENR	Houston, Tex.	1070	KGFL	Roswell, N.M.	1430	KINN	Alamogordo, NM	1270	KLIK	Jefferson City, Mo.	1400
KENP	Prescott, Ariz.	1340	KGFW	Kearney, Nebr.	1340	KINO	Winslow AZ	1230	KLIN	Lincoln, Nebr.	1380
KEOR	Atoka, Okla.	1110	KGFX	Pierre, S.D.	1060	KINS	Eureka, Calif.	980	KLIP	Fowler, Calif.	1220
KEOS	Flagstaff AZ	820	KG G F	Cuffeyville, Kans.	990	KINT	El Paso, Tex.	1390	KLIQ	Portland, Oreg.	1220
KEPS	Eagle Pass, Tex.	1270	KGHL	Billings, Mont.	790	KINY	Juneau, AK	800	KLIR	Denver, Colo.	990
KERB	Kermitt, Tex.	800	KGHL	Billings, Mont.	790	KIOA	Des Moines, Iowa	940	KLIV	San Jose, Cal.	1580
KERC	Eastland, Tex.	1590	KGHL	Brookfield, Mo.	1470	KIOE	Honolulu, HI	1080	KLIX	Twin Falls, Idaho	1310
KERD	Danver CO.	710	KGHO	Honolulu, Wash.	1560	KIOX	Bay City, Calif.	1270	KLIZ	Brainerd, Minn.	1380
KERG	Eugene, Oreg.	1280	KGHS	International Falls, Minn.	1230	KIPA	Hilo HI	620	KLIC	Parsons, KS	1540
KERN	Bakersfield, Calif.	1410	KGIL	San Fernando, Calif.	1230	KIQI	San Francisco, CA	1010	KLLA	Leesville, La.	1570
KERR	Polson, MT	1070	KGIW	Alamosa, Colo.	1450	KIQT	Barstow, Calif.	1310	KLLL	Lubbock, Tex.	1460
KERV	Kerrville, Tex.	1230	KGKL	San Angelo, Tex.	930	KIOY	Bay City, Calif.	1270	KLLR	Walker, Minn.	1600
KESM	Eldorado Spring, Mo.	1580	KGKO	Benton AR	850	KIPB	Hilo HI	620	KLMD	Longmont, Colo.	1060
KEST	San Francisco, Calif.	1450	KGLA	Gratna, La.	1540	KIQI	San Francisco, CA	1010	KLMR	Lamar, Colo.	1320
KETX	Livingston, Tex.	1440	KGLC	Miami, Okla.	910	KIRL	Willow, Calif.	1580	KLMS	Lincoln, Nebr.	1480
KEUN	Union, La.	1490	KGLE	Glendive, Mont.	590	KIRO	Seattle,				

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KLOO	Corvallis, Ore.	1340	KNOT	Prescott AZ	1450	KPIN	Casa Grande AZ	1280	KRRR	Ruidoso, NM	1380
KLOU	Lake Charles, La.	1580	KNOW	Austin TX	1490	KPLT	Paris, Tex.	1490	KRSO	Othello Wash.	1400
KLOV	Loveland, Colo.	1570	KNOX	Grand Forks, N.Dak.	1310	KPLY	Crescent City, Calif.	1240	KRSI	St. Louis Park, Minn.	950
KLPL	Lake Providence, La.	1050	KNPT	Newport, Ore.	1310	KPMC	Bakersfield, Calif.	1560	KRSL	Russell, Kans.	990
KLPM	Minot, N.Dak.	1380	KNUI	Makawai, Hawaii	1310	KPNW	Eugene, Ore.	1120	KRSN	Los Alamos, N.Mex.	1490
KLPR	Oklahoma City, Okla.	1140	KNUJ	New Ulm, Minn.	860	KPHX	Phoenix AZ	1480	KRSP	Salt Lake City, Utah	1060
KLRA	Union, Mo.	1220	KNUJ	Houston, Tex.	1080	KPOC	Pocahontas AR	1420	KRSY	Roswell, N.Mex.	1250
KLRK	Little Rock AR	1010	KNWC	Stour Falls, S.D.	1270	KPOC	Crescent City, Calif.	1210	KRTN	Raton, N.Mex.	1410
KLRK	Centerville, UT	1600	KNWS	Waterloo, Iowa	1090	KPOF	Denver, Colo.	910	KRTR	Therapeutic, Wyo.	1430
KNX	Mountain Grove, Mo.	1380	KOA	Los Angeles, Calif.	1070	KPOI	Honolulu, Hawaii	1380	KRUN	Ballinger, Tex.	1400
KLSC	Portland, OR	1410	KOAC	Denver, Colo.	850	KPOK	Portland, Ore.	1330	KRUS	Ruston, La.	1490
KLTF	Little Falls, Minn.	960	KOAC	Corvallis, Ore.	350	KPOL	Los Angeles, Calif.	1540	KRUX	Glendale AZ	1360
BLTI	Macon, Mo.	1580	KOAD	Lemore, Calif.	1240	KPOP	Roseville, Cal.	1110	KRVN	Lexington, Neb.	880
KLTR	Blackwell, Okla.	1580	KOAK	Red Oak, Ia.	1080	KPOR	Quincy, Wash.	1370	KRWB	Roseau, Minn.	1410
KLUG	Gasow, Mont.	1240	KOAL	Price, Utah	1230	KPOS	Postville, Iowa	1370	KRWX	Buffalo MN	1360
KLUC	Las Vegas, Nev.	570	KOAM	Pittsburg, Kans.	860	KPOW	Powell, Wyo.	1260	KRWT	Winters, TX	1060
KLUE	Longview, Tex.	1280	KOBE	Albuquerque, N.Mex.	770	KPPA	Pasadena, Calif.	1240	KRYA	Seward, AK	950
KLUF	Lufkin, Tex.	1420	KOBE	Las Cruces, N.Mex.	1450	KPPR	Globe, AZ	1240	KRXK	Rexburg, Idaho	1230
KLUV	Haynesville, La.	1880	KOBH	Hot Springs, S.Dak.	580	KPQ	Wenatchee, Wash.	560	KRXV	Fort Worth, TX	1540
KLVI	Beaumont, Tex.	560	KOBO	Yuba City, Cal.	1450	KPRB	Redmond, Oreg.	1240	KRYS	Corpus Christi, Tex.	1380
KLVT	Passaic, N.J.	1480	KOCA	Reno, Nev.	1240	KPRH	Houston, Tex.	950	KRYT	Colorado Springs, Colo.	1530
KLVT	Levelland, Tex.	1230	KOCY	Kilgore, Tex.	1240	KPRK	Livingston, Mont.	1340	KRZE	Farmington, N.M.	1280
KLWN	Lawrence, Kans.	1320	KODA	Oklahoma City, Okla.	1340	KPRM	Park Rapids, Minn.	1240	KRZI	Waco TX	1560
KLWT	Lebanon, Mo.	1230	KODR	Houston, Tex.	1010	KPRM	Riverside, Calif.	1440	KRZY	Albuquerque, N.M.	1450
KLWW	Cedar Rapids, Iowa	1450	KODE	Joplin, Mo.	1230	KPRM	Riverside, Calif.	1440	KSCA	Manhattan, Kans.	560
KLYD	Bakersfield, Calif.	1350	KODI	Cody, Wyo.	1400	KPRM	Riverside, Calif.	1440	KSAL	Salina, Kans.	1150
KLYQ	Hamilton, MT	1240	KODL	The Dalles, OR	1440	KPRS	Kansas City, Mo.	1590	KSAM	Huntsville, Tex.	1490
KLYR	Denver AR	1360	KODL	North Platte, Nebr.	1080	KPSI	Palm Springs, Calif.	1450	KSCB	Liberal, Kans.	1270
KLZ	Denver, CO	580	KOEL	Osceola, Iowa	950	KPFA	Fairfax, Tex.	950	KSCJ	Sioux City, Iowa	1380
KMA	Shenandoah, Iowa	980	KOFE	St. Maries ID	1480	KPST	Preston, Idaho	1340	KSCO	Santa Cruz, Calif.	1060
KMAC	San Antonio, Tex.	630	KOFI	Kalispell, Mont.	1180	KPTL	Carson City, Nev.	1300	KSD	St. Louis, Mo.	550
KMAD	Madill, Okla.	1550	KOFO	Ottawa, Kans.	1220	KPUA	Hilo, HI	870	KSDA	Aberdeen, S.Dak.	930
KMAI	Agana, GU	720	KOFY	San Mateo, Calif.	1050	KPUB	Pueblo, Colo.	1460	KSDO	San Diego, Calif.	1130
KMAK	Fresno, Calif.	1340	KOGA	Ogallala, Neb.	1190	KPUG	Bellingham, Wash.	1170	KSDR	Waterton, S.Dak.	1480
KMAM	Butler, Mo.	1530	KOGD	San Diego, Calif.	800	KPUL	Pullman, Wash.	1540	KSEE	Santa Maria, Calif.	1460
KMAW	Madison, Kans.	1320	KOGT	Orange, Tex.	600	KPUM	Amelia, Tex.	140	KSEI	Pocatello, Idaho	930
KMAQ	Maquoketa, Iowa	1320	KOH	Reno, Nev.	630	KPWV	Piedmont, Mo.	140	KSEK	Pittsburg, Kans.	950
KMAR	Winsboro, La.	1570	KOHI	St. Helens, Ore.	1600	KPWX	Liberty, Tex.	1050	KSLB	Lubbock, Tex.	950
KMAS	Shelton, Wash.	1280	KOHU	Honolulu, Hawaii	1170	KQAD	Luverne, Minn.	800	KSEM	Mossy Lake, Wash.	1470
KMAV	Mayville, N.D.	1520	KOHU	Honolulu, Hawaii	1380	KQAM	San Antonio, TX	1150	KSEW	Shelby, Mont.	1150
KMBI	Spokane, WA	1330	KOIL	Hermiston, OR	1290	KQAU	Austin, Minn.	970	KSET	El Paso, Tex.	1340
KMBJ	Juncton, Tex.	1450	KOIM	Portland, Oreg.	610	KQCV	Oklahoma City, OK	800	KSEY	Sitka, Alaska	1400
KMCY	Montrose, Calif.	1240	KOIN	Havre, Mont.	610	KQED	Albuquerque, N.Mex.	920	KSEY	Seymour, Tex.	1230
KMBZ	Kansas City, Mo.	980	KOJD	Laramie WY	1490	KQEK	Albuquerque, N.Mex.	920	KSFA	Nacogdoches, Tex.	1020
KMCD	Fairfield, Iowa	1570	KOKA	Shreveport, La.	1350	KQEL	Grand Junction, CO	1340	KSFE	Needles Ca.	1340
KMCL	McCall, Ida.	1240	KOKC	Guthrie, Okla.	1490	KQIN	Burlen, WA	800	KSFO	San Francisco, Calif.	560
KMCM	McMinnville, Oreg.	1280	KOKE	Austin, Tex.	1370	KQIZ	Amarillo, TX	1380	KSGM	Chester, Ill.	980
KMCW	Augusta AR	1180	KOKH	Huron, SD	1370	KQKI	Bayou Vista, IA	1170	KSGT	Jackson, Wyo.	1340
KMDO	Fl. Scott, Kans.	1600	KOKL	Okmulgee, Okla.	1240	KQKJ	Redding, Calif.	1400	KSHA	Medford, Oreg.	860
KMED	Medford, Oreg.	1600	KOKN	Pawhuska, OK	1690	KQOT	Yamona, Wash.	1370	KSID	Sidney, Nebr.	1340
KMEL	Wenatchee, Wash.	1340	KOKO	Warrensburg, Mo.	1450	KQRS	Golden Valley, Minn.	1440	KSIG	Crowley, La.	1450
KMEN	San Bernardino, Cal.	1280	KOKY	Little Rock AR	1440	KQTV	Borger TX	1490	KSL	Silver City, N.Mex.	1340
KMEO	Phoenix AZ	740	KOLE	Port Arthur TX	1340	KQV	Pittsburgh, Pa.	1410	KSLM	Sikeston, Mo.	1470
KMER	Kemmerer, Wyo.	950	KOLJ	Quannah, Tex.	1150	KQWB	Fargo, N. D.	1550	KSLR	Estes Park, CO	1400
KMFB	Mendocino, Cal.	1300	KOLM	Rochester, Minn.	1520	KQWC	Webster City IA	1570	KSLV	Senalia, Mo.	1030
KMFD	Marshall, Minn.	1450	KOLO	Reno, Nev.	920	KQX	Arvada, Colo.	1550	KSLW	Woodward, Okla.	1240
KMHT	Marshall, Tex.	1450	KOLS	Pryor, Okla.	1520	KQX	Arvada, Colo.	1550	KSLX	Corpus Christi, Tex.	1230
KMIL	Cameron, Tex.	1330	KOLT	Scottsbluff, Nebr.	1320	KQXI	Arvada CO	1550	KSLB	Jamestown, N.Dak.	600
KMIN	Grants, N.M.	980	KOLY	Mobridge, S.Dak.	1300	KRAE	E. Grand Forks, Minn.	1590	KSKI	Halley, Ida.	1340
KMIS	Portageville, Mo.	1050	KOMA	Oklahoma City, Okla.	1520	KRAI	Craig, Colo.	550	KSKY	Dallas, Tex.	860
KMJO	Fresno, Calif.	580	KOMO	Seattle, Wash.	1000	KRAK	Sacramento, Cal.	1140	KSL	Salt Lake City, Utah	1160
KMKB	Monte, La.	1440	KOMW	Omaha, Wash.	680	KRAM	Rawlins, Wyo.	1240	KSLM	Salem, Oreg.	1280
KMLO	Vista, Cal.	1000	KONY	Watsonville, Calif.	1370	KRAM	Las Vegas, Nev.	1340	KSLV	Monte Vista, Colo.	1240
KMMJ	Grand Island, Nebr.	750	KONA	Kanawick WA	610	KRAN	Morton, Tex.	1280	KSLY	San Luis Obispo, Cal.	1400
KMMO	Marshall, Mo.	1300	KONE	Reno, Nev.	1450	KRBA	Lufkin, Tex.	1340	KSMA	Santa Maria, Calif.	1240
KMNS	Sioux City, Iowa	620	KONG	Visalia, Calif.	1480	KRBB	Sallisaw, Okla.	1560	KSMN	Shakopee, Minn.	1530
KMNO	Tacoma, Wash.	1360	KONI	Spanish Fork, Utah	1480	KRBC	Abilene, Tex.	1470	KSMN	Mason City, Iowa	1010
KMNP	Great Falls, Mont.	560	KONO	San Antonio, Tex.	680	KRBI	St. Peter, Minn.	1310	KSMO	Salem, Mo.	1280
KMNR	Murray, Tex.	1280	KONP	Port Angeles, Wash.	1450	KRBN	Red Lodge, Mont.	1450	KSP	Pocatello, Ida.	1290
KNOX	St. Louis, Mo.	1120	KONY	San Marcos, TX	1450	KRCB	Council Bluffs, Ia.	1560	KSPN	Aspen, Colo.	1260
KMPC	Los Angeles, Calif.	740	KOOK	Billings, Mont.	970	KRCO	Prineville, Oreg.	690	KSNY	Snyder, Tex.	1450
KMPG	Hollister, Cal.	1540	KOOL	Phoenix AZ	960	KRDD	Roswell, N.Mex.	1320	KSO	Des Moines, Iowa	1460
KMPL	Sikeston, Mo.	1520	KOOD	Omaha, Nebr.	1420	KRDG	Redding, Calif.	1230	KSOA	Ava, Mo.	1430
KMRC	Moran City, La.	1430	KOOS	Coos Bay, Oreg.	1230	KRDO	Colo. Springs, Colo.	1240	KSOH	Little Rock AR	1050
KMPS	Seattle, WA	1300	KOPP	Tucson, Ariz.	1450	KRDR	Gresham, Ore.	1230	KSOB	Arkansas City, Kans.	1280
KMRR	Cameron, Mo.	1380	KOPY	Alto, Tex.	1070	KRES	Tilson AZ	1130	KSON	Ontario, Cal.	1510
KMRS	Morris, Minn.	1450	KOPT	Bellingham, Wash.	1480	KRE	Berkeley CA	1480	KSOO	Sioux Falls, S.Dak.	1140
KMSD	Milbank SD	1510	KORC	Mineral Wells, Tex.	1140	KREH	Oakdale, La.	900	KSOP	Salt Lake City, Utah	1370
KMSL	Ukiah, Cal.	1250	KORD	Pasco, Wash.	910	KREI	Farmington, Mo.	800	KSOX	Raymondville, Tex.	1240
KMTI	Manti, UT	1340	KORE	Springfield-Eugene, Ore.	1050	KREJ	Okdale, La.	900	KSP	Boise, Idaho	780
KMTX	Helena, MT	950	KORK	Las Vegas, Nev.	920	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KMUL	Muleshoe, TX	1380	KORL	Honolulu, Hawaii	920	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KMUS	Muskogee, Okla.	1380	KORN	Honolulu, Hawaii	1490	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KMVI	Waikoloa, Hawaii	1380	KORT	Mitchell, S.Dak.	1490	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KMWX	Yakima, Wash.	1460	KORT	Grangeville, Idaho	1230	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KMYC	Marysville, Calif.	1410	KORV	Grangeville, Idaho	1340	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNAB	Burlington CO	1140	KOSE	Oroville CA	1340	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNAF	Fredericksburg, Tex.	910	KOSE	Oseola AR	880	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNAK	Salt Lake City, Utah	1280	KOSI	Aurora, Colo.	1430	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNAL	Victoria, B.C.	410	KOSY	Texasarkana AR	780	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNAM	Midland, Tex.	1510	KOT	Rapid City, S.Dak.	1080	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNBA	Vallejo, Calif.	1180	KOTD	Plattsmouth, Neb.	1080	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNBI	Norton, Kan.	1530	KOTN	Pine Bluff AR	1490	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNBO	New Boston, Tex.	1530	KOTS	Deming, N.M.	1230	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNBR	San Francisco, Cal.	680	KOTY	Kennewick, WA	1340	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNBY	Newport AR	1280	KOTZ	Kotzebue AK	720	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNCB	Vivian, La.	1600	KOUR	Independence, Iowa	1420	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNCK	Concordia, Kans.	1390	KOVA	Valley City, N.Dak.	1450	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNCY	Nehraska City, Nebr.	1300	KOVE	Lander, Wyo.	1330	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNDC	Hettinger, N.Dak.	1490	KOVV	Provo, Utah	960	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNDE	Sacramento, Calif.	1470	KOWB	Laramie, Wyo.	1290	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNDI	Honolulu, Hawaii	1270	KOWH	Omaha, Nebr.	680	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNDK	Lanora, N.D.	1280	KOWL	South Lake Tahoe, Cal.	1480	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNDY	Marysville, Kans.	1570	KOWI	Escondido, Calif.	1450	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEA	Jonesboro AR	970	KOWV	Waseca MN	1170	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEB	Scottsbluff, Nebr.	970	KOXR	Oxnard, Calif.	910	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEC	McAlester, Okla.	1150	KOY	Phoenix AZ	580	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEI	Waukon, Ia.	1150	KOYL	Odessa, Tex.	1310	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEJ	Brady, Tex.	1490	KOYN	Billings, Mont.	910	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEK	Newada, Mo.	1240	KOYZ	El Dorado KS	1430	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNET	Palestine, Tex.	1450	KOZA	Odessa, Tex.	1300	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEW	Oakland, Cal.	910	KOZE	Lewiston, Idaho	1300	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEX	McPherson, Kans.	1540	KOZI	Chelan, Wash.	1230	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNEZ	Lompoc, Calif.	960	KOZY	Grand Rapids, MN	1320	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNFT	Bayard, N.M.	820	KPAC	Port Arthur, Tex.	1250	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNGB	Hanford, Calif.	850	KPAG	Pagoa Springs, CO	1400	KREK	Springfield, Mo.	1050	KSPJ	Stillwater, Okla.	790
KNIA	Knoxville, Iowa	1320	KPAL	Pineville, La.	1110</						

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
KTEE	Idaho Falls, Idaho	1280	KVET	Austin, Tex.	1300	KWSU	Pullman, Wash.	1250	WACX	Austell, Ga.	1600
KTEL	Wallia Wallia, Wash.	1490	KVFC	Cortez, Colo.	740	KWTC	Barstow, Calif.	1230	WACY	Kissimmee, Fla.	1220
KTEM	Temple, Tex.	1400	KVFD	Fort Dodge, Iowa	1400	KWTF	Springfield, Mo.	580	WADA	Shelby, N.C.	1390
KTEO	San Angelo, Tex.	1340	KVGB	Bend Bend, Kans.	1590	KWTX	Waco, Tex.	1230	WADC	Parkersburg, W.V.	1050
KTER	Terrill, Tex.	1870	KVIG	Seattle, Wash.	1370	KWYD	Conrod, Ark.	1380	WADE	Wadesboro, N.C.	1210
KTFE	Payette, Idaho	1870	KVIG	Victoria, B.C.	1340	KWYR	Enterprise, Ore.	1400	WADM	Newport, R.I.	1540
KTFW	Twin Falls, Idaho	1270	KVIL	Highland Park, Tex.	1150	KWVB	Bismarck-Mandan, ND	1270	WADN	Decatur, Ind.	1540
KTFX	Texarkana, Tex.	1400	KVIN	Vinita, OK	1470	KWVW	Waterloo, Iowa	1330	WADO	New York, N.Y.	1280
KTGO	Tioga, N. D.	1090	KVIO	Cottonwood AZ	1600	KWVY	Cathedral City CA	1340	WADR	Rensselaer, N.Y.	1480
KTGR	Columbia, Mo.	1580	KVIP	Redding, Calif.	840	KWYK	Farmington, N.Mex.	960	WADS	Ansonia, Conn.	690
KTJS	Hobart OK	1420	KVKM	Monahans, Tex.	1330	KWYK	Wynns, Ark.	1400	WAEB	Allentown, Pa.	790
KTJE	Thermopolis, Wyo.	1240	KVLF	Alpine, Tex.	1570	KWYO	Shridan, Wyo.	1410	WAEI	Mayaguez, P.Rico	800
KTRB	South Lake Tahoe, Cal.	1390	KVLH	Pauls Valley, Okla.	1470	KWYR	Winner, S.Dak.	1280	WAEW	Crossville, Tenn.	1330
KTHS	Berryville, Ark.	630	KVLI	Lake Isabella, CA	1140	KWYS	W. Yellowstone, Mont.	920	WAEY	Princeton W.V.	1490
KTIB	Thibodaux, La.	850	KVLL	Woodville, Tex.	1220	KWYT	Salinas, CA	1570	WAFI	Middlesboro, Ky.	1560
KTIL	Tillamook, Oreg.	1590	KVLV	Fallon, Nev.	980	KWYV	Everett, Wash.	1230	WAGC	Centre AL	1560
KTIM	San Rafael, Calif.	1510	KVMA	Magnolia AR	630	KXA	Seattle, Wash.	770	WAGE	Leesburg, Va.	1290
KTIP	Porterville, Calif.	1450	KVMC	Colorado City, Tex.	1320	KXAR	Hops AR	1490	WAGF	Dothan AL	1320
KTIS	Minneapolis, Minn.	900	KVMD	Sonora, Calif.	1450	KXEL	Waterloo, Iowa	1540	WAGG	Franklin, Tenn.	1580
KTJF	Pendleton, Ore.	1420	KVNC	Winstow, Ariz.	1010	KXEM	McFarland, Cal.	1500	WAGM	Presque Isle, Maine	950
KTJS	Hobart, Okla.	930	KVNI	Coeur d'Alene, Idaho	1240	KXEO	Mexico, Mo.	1340	WAGN	Menominee, Mich.	1340
KTKN	Ketchikan AK	930	KVNU	Logan, Utah	610	KXEN	Festus-St. Louis, Mo.	1010	WAGO	Oshkosh, Wis.	890
KTKR	Taft, Calif.	1310	KVOB	Bastrop, La.	1340	KXEW	Tucson AZ	1600	WAGR	Lumberton, N.C.	580
KTKT	Tucson AZ	990	KVOC	Casper, Wyo.	1230	KXEX	Fresno, Calif.	1530	WAGS	Bishopville, S.C.	1380
KTLD	Tullulah, La.	1360	KVOC	Emporia, Kans.	1350	KXFL	Glenview, Mont.	1490	WAGY	Forest City, N.C.	1320
KTLK	Denver, Colo.	1280	KVOG	Ogden, Utah	1490	KXGI	Ft. Madison, Iowa	1380	WAGZ	Annville-Cleona, Pa.	1310
KTLN	Mountain Calif. AR	1240	KVOK	Kodiak AK	560	KXIC	Iowa City, IA	800	WAIK	Gainesburg, Ill.	1590
KTLQ	Tablequah, Okla.	1350	KVOL	Lafayette, La.	1330	KXIV	Phoenix AZ	1400	WAIL	Baton Rouge, La.	1260
KTLU	Rusk, Tex.	1580	KVOM	Morrilton AR	800	KXJK	Forrest City AR	950	WAIM	Anderson, S.C.	1230
KTLW	Texas City, Tex.	920	KVON	Napa, Calif.	1440	KXKL	Lafayette, La.	1320	WAIN	Columbia, Ky.	1270
KTMC	McAlester, Okla.	1400	KVOT	Tulsa, Okla.	770	KXLM	Alexandria, Oreg.	1490	WAIR	Winston-Salem, N.C.	1340
KTMF	New Prague, Minn.	1350	KVOP	Platview, Tex.	1400	KXLE	Ellensburg, Wash.	1240	WAIT	Chicago, Ill.	820
KTMM	Trumann AR	1530	KVOR	Colo. Springs, Colo.	1300	KXLF	Butte, Mont.	1370	WAJF	Desatur AL	1490
KTMS	Santa Barbara, Calif.	1250	KVOU	Uvalde, Tex.	1400	KXLO	Lewiston, Mont.	1230	WAJR	Morantown, W.Va.	1490
KTNC	Falls City, Nebr.	1240	KVOV	Henderson-Las Vegas, NV	1280	KXLR	North Little Rock AR	1150	WAKA	Gainesville FL	1390
KTNM	Tusumcar, N. Mex.	1400	KVOW	Riverton, Wyo.	1450	KXLW	Claret, MO	1370	WAKC	Normal, IL	1440
KTNT	Tacoma, Wash.	1400	KVOX	Moorhead, Minn.	1490	KXOL	Spokane, Wash.	1390	WAKE	Valparaiso, Ind.	1500
KTOB	Petaluma, Calif.	1490	KVOY	Yuma, Ariz.	1400	KXO	El Centro, Calif.	1230	WAKI	McMinnville, Tenn.	1230
KTOC	Jonesboro, La.	920	KVOZ	Laredo, Tex.	1490	KXOK	St. Louis, Mo.	630	WAKK	McComb, MS	1140
KTOE	Mankato, Minn.	1420	KVPI	Ville Platte, La.	1050	KXOL	Ft. Worth, Tex.	1380	WAKN	Aiken, S.C.	950
KTOH	Lihue, Hawaii	1350	KVRA	Vermillion, S. D.	1570	KXOW	Hort Springs AR	1420	WAKO	Lawrenceville, Ill.	810
KTOI	Oklahoma City, Okla.	1380	KVRE	Santa Rosa, CA	1240	KXOX	Sweetwater, Tex.	1240	WAKR	Akron, Ohio	1590
KTOJ	Sallisaw, Okla.	1380	KVRS	Salida, Colo.	1340	KXPA	Gratton, ND	1340	WAKS	Fuquay-Varina, N.C.	1460
KTON	Belton, Tex.	940	KVRN	Sonora, TX	980	KXRB	Alexandria, Minn.	1520	WAKX	Superior WI	970
KTOP	Topeka, Kans.	1490	KVSA	McGehee AR	1280	KXRD	St. Falls, S.D.	1520	WAKY	Louisville, Ky.	790
KTOQ	Rapid City, SD	1340	KVSE	Sante Fe, N.Mex.	1280	KXRE	Aberdeen, Wash.	1320	WALE	Fall River, Mass.	1400
KTDW	Sand Spring, Okla.	1340	KVSH	Valentine, Nebr.	840	KXRX	San Jose, Calif.	1590	WALG	Albany, Ga.	1590
KTDV	Prescott AR	1370	KVSI	Montpelier, Ida.	1450	KXSO	Sherman, Tex.	1500	WALI	Deatogue, N.Y.	1370
KTEB	Modesta, Calif.	860	KVSO	Show Low AZ	1480	KXSL	Bozeman, Mont.	1450	WALL	Middletown, N.Y.	1340
KTRC	Santa Fe, N.Mex.	1490	KVSW	Vernon, Tex.	1490	KXTA	Tulsa, OK	1300	WALM	Albion, Mich.	1260
KTRF	Thief River Falls, Minn.	1230	KVWC	Pearsall, Tex.	1280	KXTR	Rockwell, WA	1440	WALO	Humacao, P.R.	1240
KTRH	Houston, Tex.	740	KVWM	Show Low AZ	970	KXXX	Colby, Kans.	750	WALY	Herkimer, N.Y.	1420
KTRM	Beaumont, Tex.	990	KVWO	Cheyenne, Wyo.	1370	KXYZ	Houston, Tex.	1320	WAMA	Selma AL	1340
KTRN	Wichita Falls, Tex.	1290	KVYL	Holdenville, Okla.	1370	KYAC	San Francisco, Calif.	1250	WAMB	Donelson, Tenn.	1190
KTRP	Truckee, Cal.	1400	KWAC	Bakersfield, Calif.	1490	KYAL	McKinney, Tex.	1600	WAMD	Aberdeen, Md.	970
KTRY	Bastrop, La.	730	KWAK	Stuttgart AR	1240	KYCA	Prescott AZ	1490	WAMG	Galatin, Tenn.	1190
KTSA	San Antonio, Tex.	850	KWAD	Wadena, MN	920	KYCB	Prescott AZ	1490	WAMI	Opp AL	860
KTSM	El Paso, Tex.	1380	KWAL	Wallase, ID	820	KYCD	Wheatland, Wyo.	1340	WAML	Laurel, Miss.	1600
KTTN	Trenton, Mo.	1600	KWAM	Memphis, Tenn.	990	KYCN	Windward, Wyo.	1590	WAMM	Ft. Smith, Mich.	1420
KTRR	Rolla, Mo.	1480	KWAT	Watertown, S.Dak.	950	KYCP	Pin Bluff, AR	1590	WAMO	Pittsburgh, Pa.	1340
KTRS	Springfield, Mo.	1490	KWAY	Waverly, Iowa	1470	KYCS	Roseburg, Oreg.	950	WAMR	Ventura, CA	1320
KTRT	Columbus, Nebr.	1510	KWBC	Wichita, Kans.	1410	KYCS	Roseburg, Oreg.	950	WAMS	Wilmington, Del.	1380
KTTX	Brenham, TX	1280	KWBB	Navasota, Tex.	1510	KYET	Payette, Idaho	1450	WAMW	Washington, Ind.	1580
KTUC	Tucson AZ	1400	KWBE	Beatrice, Nebr.	1450	KYJZ	Medford, Oreg.	1230	WAMY	Amory, Miss.	1580
KTUE	Tulla, Tex.	1280	KWBG	Boone, Iowa	1590	KYKR	Port Arthur, TX	1510	WANA	Annlston AL	1490
KTUI	Sullivan, Mo.	1580	KWBI	Hutchinson, Kans.	1450	KYLT	Missoula, MT	1340	WANB	Waynesburg, Pa.	1070
KTWG	Agana, Guam	1560	KWBZ	Edna, Tex.	1380	KYMA	Boise, Idaho	740	WANL	Lincolville AL	1560
KTWQ	Casper, Wyo.	1370	KWBZ	Englewood, CO	1150	KYMN	Northfield, MN	1080	WANM	Tallahassee, FL	1570
KTXJ	Jasper, Tex.	1500	KWCK	Searey, AR	1300	KYNG	Coos Bay, Oreg.	1420	WANN	Annapolis, Md.	1190
KTXO	Sherman, Tex.	1500	KWCL	Oak Grove, La.	1280	KYNO	Fresno, Calif.	1300	WANO	Pineville, Ky.	1230
KTYD	Santa Barbara, CA	990	KWCO	Chickasha, Okla.	1580	KYNT	Yankton, S.Dak.	1450	WANR	Toledo, OH	1520
KTYM	Ingewood, Calif.	1480	KWEB	Rochester, Minn.	1270	KYOK	Houston, Tex.	1590	WANS	Anderson, S.C.	1280
KTYN	Minn. N.D.	1480	KWED	Seguin, Tex.	1580	KYOR	Byrthe, Calif.	1480	WANT	Richmond, Va.	990
KUAD	Windsor, CO	1170	KWEL	Weiser, Idaho	1600	KYOS	Mered, Calif.	1280	WANV	Waynesboro, Va.	1370
KUAI	Eleele, Kanai, Hawaii	730	KWEL	Midland, Tex.	1600	KYRZ	Potosi, MO	1280	WANY	Aibany, Ky.	970
KUAM	Agana, GU	910	KWEW	Hobbs, N.Mex.	1480	KYUO	Greeley, Colo.	1450	WAOA	Opelika AL	1520
KUAT	Tucson AZ	1500	KWEY	Weatherford, Okla.	1590	KYSM	Mankato, Minn.	1250	WAOC	St. Augustine, Fla.	1420
KUBA	Yuba City, Calif.	1600	KWFA	Merkle, Tex.	1500	KYSN	Colorado Sprgs., Colo.	1480	WAOK	Atlanta, Ga.	1380
KUBC	Montrose, Colo.	580	KWFT	Great Falls, Tex.	820	KYSS	Missoula, Mont.	990	WAOP	Osteo, Mich.	980
KUDE	Oceanside, Calif.	1320	KWFO	Stockton, Calif.	1230	KYUK	Bethel AK	1590	WAOV	Vincennes, Ind.	1640
KUDY	Great Falls, Mont.	1450	KWGH	Sig Lax, Tex.	1290	KYVA	Gallop, N.Mex.	1280	WAPA	San Juan, P.R.	890
KUFA	Fairway, Cal.	1370	KWHK	Hutchinson, Kans.	1280	KYV	Philadelphia, Pa.	1080	WAPE	Jacksonville, Fla.	690
KUFI	Spokane, Wash.	1280	KWHN	Fort Smith AR	1320	KYX	Oregon City, Ore.	1520	WAPP	McComb, Miss.	980
KUDY	Wenatchee, Wash.	900	KWHD	Salt Lake City, Utah	880	KZAK	Tyler, Tex.	1330	WAPG	Arcadia, FL	1480
KUFE	Agana, Guam	940	KWHW	Altus, Okla.	1450	KZAM	Bellevue, WA	1540	WAPI	Birmingham AL	1070
KUGN	Eugene, Oreg.	990	KWKI	Pocatello, Idaho	1240	KZEE	Weatherford TX	1220	WAPL	Appleton, Wis.	1520
KUGR	Green River, WY	1490	KWKL	Hilary, Oreg.	790	KZFY	Tyler, TX	1490	WAPM	Avon Park, Fla.	1390
KUHL	Santa Maria, Cal.	1440	KWKP	Merced, Calif.	1580	KZIP	Amarillo, Tex.	1310	WAQI	Ashtabula, Ohio	1600
KUHL	Hilary, Oreg.	790	KWLV	Desorah, Iowa	1240	KZNG	Hort Springs AR	1380	WARA	Atletboro, Mass.	1320
KUJ	Wallia Wallia, Wash.	1420	KWLM	Willmar, Minn.	1340	KZOE	Princeton, Ill.	1490	WARB	Covington, La.	730
KUKA	San Antonio, Tex.	1250	KWMB	Wabasha, MN	1190	KZOL	Farwell, Tex.	1570	WARD	Pittston, PA	1540
KUKI	Ukiah, Calif.	1400	KWMC	Del Rio, Tex.	1490	KZON	San Maria, Cal.	1480	WARE	Ware, Mass.	1250
KUKU	Willow Springs, Mo.	1330	KWMS	Salt Lake City, UT	1290	KZOO	Honolulu, Hawaii	1210	WARF	Jasper	1480
KULA	Honolulu, Hawaii	890	KWMT	Ft. Dodge, Iowa	540	KZOT	Marianna AR	1460	WARK	Hagerstown, Md.	1490
KULE	Ephrata, Wash.	730	KWNA	Winemussa, Nev.	1400	KZPK	Ozark, AR	1540	WARM	Scranston, PA	590
KULP	El Campo, Tex.	1390	KWNO	Winona, Minn.	1290	KZUL	Parker, AZ	1380	WARO	Canonburg, Pa.	540
KULY	Ulysses, Kan.	1420	KWNS	Pratt, Kans.	1290	KZUN	Opportunity, Wash.	830	WARR	Warrenton, N.C.	1520
KUMA	Pendleton, Oreg.	1290	KWNT	Davenport, Iowa	1580	KZZN	Littlefield, Tex.	1490	WARU	Peru, Ind.	1600
KUMU	Honolulu, Hawaii	1500	KWOA	Worthington, Minn.	730	WAAA	Winston-Salem, N.C.	980	WARV	Warwick, R.I.	1590
KUNO	Corpus Christi, Tex.	1400	KWOC	Peplar Bluff, Mo.	930	WAB	Worcester, Mass.	1440	WASA	Havre de Grace, Md.	1330
KUOA	Siloma Springs AR	1290	KWOF	Clinton, Okla.	1000	WAB	Terre Haute, Ind.	1300	WASC	Spartanburg, S.C.	1530
KUOM	Minneapolis, Minn.	770	KWOR	Warland, Wyo.	1340	WAAC	Ann Arbor, Mich.	1600	WASK	Lafayette, Ind.	1450
KUPD	Tempe AZ	1060	KWOS	Jefferson City, Mo.	1240	WAAD	Waynesburg, Tenn.	1480	WASP	Brownsville, Pa.	1190
KUPI	Idaho Falls, ID	980	KWOW	Pomona, Calif.	1600	WAAG	Andalus AL	1830	WASB	Woffboro, N.H.	1540
KUPK	Garden City, Kan.	1050	KWPC	Muscataine, Iowa	860	WAAX	Gadsden AL	570	WASA	Boone, S.C.	1450
KUPY	Puyallup, WA	1450	KWPF	West Plains, Mo.	1450	WAAY	Huntsville AL	1550	WATC	Gaylord, Mich.	900
KURA	Moab, Utah	1450	KWPR	Ciaramora, Okla.	1270	WABA	Aqueduct, P.Rico	850	WATI	Indianapolis, Ind.	810
KURB	Billings, Mont.	730	KWRC	Woodburn, Ore.	940	WABB	Mobile AL	1480	WATK	Antigo, Wis.	960
KURV	Edinburg, Tex.	710	KWRD	Henderson, Tex.	1470	WABC	New York, N.Y.	770	WATM	Attmore AL	1590
KURY	Brookings, Oreg.	910	KWRE	Warrenton, Mo.	730	WABF	Ft. Campbell, Ky.	1370	WATP	Watertown, N.Y.	1590
KUSD	Vermillion, S.Dak.	690	KWRF	Warren AR	860	WABG	Greenwood, Miss.	960	WATO	Oak Ridge, Tenn.	1290
KUSH	Cushing, Okla.	1600	KWRG	New Roads, La.	1500	WABH	Deerfield, Va.	1150	WATP	Marion, S.C.	1430
KUSN	St. Joseph, Mo.	1270	KWRT	Boonville, Mo.	1370	WABI	Bangor, Maine	910	WATR	Waterbury, Conn.	1320
KUTA	Blanding, Utah	980	KWSD	Mt. Shasta, Calif.	620	WABJ	Adrian, Mich.	1490	WATS	Sayre, Pa.	960
KUTY	Palmdale, Calif.	1470	KWSH	Wewoka-Seminole, Okla.	1280	WABK	Gard				

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WAWA	West Allis, Wis.	1590	WBOW	Terre Haute, Ind.	1230	WCLB	Camilla, Ga.	1220	WDIA	Memphis, Tenn.	1070
WAWK	Kendallville, Ind.	1140	WBOX	Bogalusa, La.	920	WCLC	Jamestown, Tenn.	1260	WDIC	Clinch, Va.	1430
WAXE	Vero Beach, Fla.	1370	WBOY	Clarksburg, W.Va.	1400	WCLD	Cleveland, Miss.	1490	WDIG	Dothan, Ala.	1450
WAXU	Georgetown, Ky.	1580	WBPZ	Look Haven, Pa.	1230	WCLE	Cleveland, Tenn.	1670	WDIX	Orangeburg, S.C.	1150
WAXX	Chippewa Falls, Wis.	1150	WBQN	Barceloneta, PR	1160	WCLG	Morgantown, W.Va.	1300	WDIS	Mt. Olive, N.C.	1430
WAWB	Waverly, Va.	1620	WBRR	Mt. Clemens, Mich.	1460	WCLH	Corning, N.Y.	1450	WDJZ	Bridgeport, Conn.	1510
WAWC	Brazzton, Va.	1600	WBRY	Woodbury, N.Y.	1240	WCLI	Clinton, N.C.	1320	WDKJ	Kingsport, S.C.	1330
WAWD	Ozark, AL	1190	WBRE	Wilkes-Barre, Pa.	1340	WCLJ	Jacksonville, Wis.	1230	WDKN	Dickson, Tenn.	1260
WAVE	Baltimore, Md.	860	WBRL	Lynchburg, Va.	1050	WCLK	Columbus, Ga.	1580	WDLA	Walton, N.Y.	1270
WAYK	Lehigh Acres, Fla.	1440	WBRI	Indianapolis, Ind.	1506	WCLT	Newark, Ohio	1430	WDLB	Marshfield, WI	1450
WAYN	Rockingham, N.C.	900	WBRL	Marietta, OH	910	WCLV	Covington, Ky.	1320	WDLR	Port Jervis, N.Y.	1490
WAYR	Orange Park, Fla.	850	WBRR	Pittsfield, Mass.	1340	WCLW	Massfield, O.	1140	WDLR	Delaware, Ohio	1560
WAYS	Charish, N.C.	1410	WBRL	Berlin, N.H.	1400	WCMA	Corinth, Miss.	1230	WDLW	E. Collins, Ill.	950
WAYT	Wabash, Ind.	1510	WBRR	Marion, N.C.	1250	WCMB	Hartburg, Pa.	1460	WDLF	Panama City, Fla.	590
WAYX	Waycross, Ga.	1230	WBRR	Big Rapids, Mich.	1460	WCNC	Wildwood, N.J.	1230	WDLT	Indianola, Miss.	1380
WAYZ	Waynesboro, Pa.	1380	WBRT	Bardonia, NY	1320	WCMD	Cumberland, MD	1230	WDME	Dover-Foxcroft, Me.	1340
WAZE	Clearwater, Fla.	860	WBRO	Waynesboro, Ga.	1810	WCME	Jacksonville, FL	1090	WDMG	Douglas, Ga.	860
WAZL	Hazleton, Pa.	1490	WBRR	Boonville, N.Y.	900	WCMI	Ashland, Ky.	1340	WDMJ	Marquette, Mich.	1320
WAZF	Yazoo City, Miss.	1230	WBRR	Somerville, N.J.	1170	WCMP	Arcadio, P.R.	1280	WDMP	Dodgeville, Wis.	810
WAZS	Summersville, S.C.	980	WBRR	Berwick, PA	1280	WCMT	Pine City, Minn.	1350	WDNV	Pocomoke City, Md.	550
WAZY	Lafayette, Ind.	1410	WBRY	Woodbury TN	1840	WCMB	Milant, Fla.	1220	WDNC	Durham, N.C.	620
WBAA	West Lafayette, Ind.	920	WBSA	Boaz, AL	1300	WCMB	Elkhart, Ind.	1270	WDNE	Elkins, W.Va.	1240
WBAC	Cleveland, Tenn.	1340	WBSC	Bennettsville, S.C.	1580	WCMS	Norfolk, Va.	1050	WDNR	Anliston, AL	1450
WBAP	Barnesville, Ga.	1090	WBSG	Blackshear, Ga.	1380	WCMT	Martin, Tenn.	1410	WDNT	Dayton, Tenn.	1280
WBAG	Burlington, N.C.	1150	WBSM	New Bedford, Mass.	1420	WCMT	Ottawa, Ill	1430	WDOC	Prentissburg, Ky.	1310
WBAL	Baltimore, Md.	1090	WBSR	Pensacola, Fla.	1580	WCNB	Connersville, Ind.	1580	WDDO	Chattanooga, Tenn.	1310
WBAM	Montgomery AL	740	WBT	Charlottesville, N.C.	1410	WCNC	Elizabeth City, N.C.	1240	WDOE	Dunkirk, N.Y.	1400
WBAP	Ft. Worth TX	820	WBTV	Batavia, N.Y.	1450	WCND	Atlanta, Ga.	1370	WDOF	Atlanta, S.C.	1450
WBAR	Bartow, Fla.	1490	WBTC	Uhrichsville, O.	1540	WCNH	Quincy, Fla.	1210	WDOI	Athens, Ga.	1470
WBAT	Marion, Ind.	1490	WBTE	Windsor, N.C.	896	WCNL	Newport, N. H.	1030	WDON	Wheaton, Md.	1540
WBAX	Barnwell, S.C.	740	WBTH	Williamson, WV	1400	WCNR	Bloomsburg, Pa.	910	WDOR	Sturgeon Bay, Wis.	910
WBAX	Wilkes-Barre, Pa.	1240	WBTM	Danville, Va.	1830	WCNU	Crestview, Fla.	1010	WDOS	Oneonta, N.Y.	730
WBBA	Pittsfield, Ill.	1580	WBTN	Bennington, Vt.	1370	WCNV	Fairfield, O.	1680	WDVV	Dover, Del.	1410
WBBD	Burlington-Graham, N.C.	920	WBTN	Linton, Ind.	1600	WCNW	Middletown, Conn.	1150	WDVM	Wilmington, Vt.	1400
WBBD	Rochester, N.Y.	1230	WBTX	Ridgeport, AL	1460	WCOW	Pensacola, Fla.	1340	WDWA	Dowdeford, Me.	1490
WBBD	Arlington, Va.	1280	WBTX	Broadway-Timberville VA	1470	WCOC	Meridian, Miss.	910	WDWN	DuQuoin, Ill.	1580
WBBD	Blakely, Ga.	1280	WBUC	Buckhannon, W.Va.	1460	WCOG	Greensboro, N.C.	1320	WDRG	Hartford, Conn.	1360
WBBL	Richmond, Va.	1480	WBUD	Trenton, N.J.	1260	WCCH	Newnan, Ga.	1420	WDSC	Dillon, S.C.	800
WBMM	Chicago, Ill.	780	WBUG	Ridgeland, S.C.	1430	WCCH	Coatesville, Pa.	1400	WDSB	Dyersburg, Tenn.	1450
WBBO	Forest City, N.C.	780	WBUR	Ridgely, Md.	1580	WCCK	Sparta, N.C.	1060	WDSL	Cleveland, Miss.	1410
WBBS	Augusta, Ga.	1340	WBUR	Birmingham AL	1460	WCCL	Columbus, Ohio	1230	WDSK	Mocksville, N.C.	1520
WBBS	Travelers Rest, S.C.	1580	WBUT	Butler, Pa.	1050	WCCL	Corolla, N.C.	1280	WDSM	Sunderland, N.C.	720
WBBS	Jacksonville, N.C.	1340	WBUT	Butler, Pa.	1050	WCOP	Boston, Mass.	1150	WDSR	Lake City, Fla.	1340
WBBS	Lyons, Ga.	1340	WBUX	Doylesstown, Pa.	1570	WCOR	Lebanon, Tenn.	900	WDSU	New Orleans, La.	1280
WBBS	Youngstown, Ohio	1240	WBUX	Lexington, N.C.	1440	WCOS	Columbia, S.C.	1400	WDTM	Selmer, Tenn.	1130
WBBS	Portsmouth, N.H.	1380	WBUX	Fredonia, N.Y.	1570	WCOU	Lewiston, Maine	1240	WDUN	Gainesville, Ga.	1240
WBBS	Ponca City, Okla.	1230	WBVM	Utica, N.Y.	1550	WCOW	Montgomery AL	1170	WDUX	Waupaca, Wis.	800
WBBA	Bay Minette AL	1110	WBVP	Beaver Falls, Pa.	1250	WCOW	Sparta, Wis.	1290	WDVJ	Green Bay, WI	1400
WBBA	Levittown, Pa.	1490	WBVE	Caiera AL	1470	WCOW	Camden, AL	1470	WDVA	Danville, Va.	1230
WBBA	Hastings, Mich.	1220	WBYS	Canton, Ill.	1560	WCOW	Columbia, Pa.	1580	WDVH	Gainesville, Fla.	980
WBBA	Williamshurg, Va.	740	WBZ	Boston, Mass.	1030	WCOW	Clearfield, Pa.	900	WDVL	Vinefield, N.J.	1270
WBCK	Battle Creek, Mich.	930	WBZA	Glens Falls, N.Y.	1410	WCPC	Houston, Miss.	940	WDWD	Dawson, Ga.	990
WBCC	Bay City, Mich.	1440	WBZB	Selma, NC	1090	WCPC	Etowah, Tenn.	1220	WDWS	Champaign, Ill.	1400
WBCC	Bucyrus, Ohio	1340	WRZQ	Greenville, MS	1550	WCPC	Chesapeake, Va.	1600	WDXE	Chattanooga, Tenn.	1490
WBCC	Union, S.C.	1480	WBZY	New Castle, Pa.	1260	WCPC	Wilmington, Ky.	1280	WDYK	Lawrenceburg, Tenn.	1470
WBCC	Jeanette Pa.	1830	WCB	Rutherfordon, N.C.	890	WCPS	Coamo, P. R.	1450	WDXL	Jackson, Tenn.	1310
WBCC	Escanaba, MI	800	WCAL	Fort Myers, Fla.	1350	WCPS	Tarboro, N.C.	760	WDXL	Lexington, Tenn.	1490
WBCE	Pittsfield, Mass.	1420	WCAL	Northfield, Minn.	770	WCRA	Emmham, Ill.	1090	WDXX	Clarksville, Tenn.	540
WBEE	Harvey, Ill.	1570	WCAM	Camden, N.J.	1310	WCRI	Cheraw, S.C.	1420	WDXR	Pudueah, Ky.	1580
WBEE	Elizabethton, Tenn.	1240	WCAD	Baltimore, Md.	600	WCRI	Scottsboro, AL	1030	WDXY	Sumter, S.C.	1240
WBEL	So. Beloit, Ill.	1380	WCAP	Lowell, Mass.	980	WCRI	Morristown, Tenn.	1150	WDYX	Ruford, GA	1460
WBEN	Buffalo, N.Y.	930	WCAR	Detroit, Mich.	1130	WCRI	Oneonta, L	1090	WEAB	Greer, S.C.	800
WBEN	Monks Corner, S.C.	950	WCAS	Cambridge, Mass.	1390	WCRI	Clare MI	990	WEAC	Gaffney, S. C.	1800
WBEN	Brookton, Mass.	1480	WCAS	Cambridge, Mass.	1390	WCRO	Johnstown, Pa.	1230	WEAG	Aleas, Tenn.	1470
WBEB	Beaufort, S.C.	980	WCAY	Philadelphia, Pa.	1210	WCRO	Greenwood, S.C.	1450	WEAL	Greensboro, N.C.	1510
WBEB	Beaver Dam, Wis.	1430	WCAY	Charleston, WV	680	WCRT	Birmingham AL	1260	WEAM	Arlington, Va.	1390
WBEC	Chillietho, Ohio	1490	WCAY	Charleston, WV	680	WCRT	Washington, N.J.	1380	WEAN	Providence, R.I.	790
WBFC	Stanton, KY	1470	WCBA	Carthage, Ill.	999	WCRT	Chicago, Ill.	1240	WEAQ	Eau Claire, Wis.	780
WBFD	Bedford, Pa.	1310	WCBA	Corning, N.Y.	1350	WCRT	Macon, Ga.	900	WEAS	Savannah, Ga.	900
WBFN	Quitman, Miss.	1506	WCBC	Cumberland, MD	1270	WCRT	Ripley, Mass.	1260	WEAT	W. Palm Beach, Fla.	850
WBGC	Chilpy, Fla.	1240	WCBC	Chambersburg, Pa.	1590	WCSC	Charleston, S.C.	1390	WEAV	Plattsburg, N.Y.	960
WBGN	Bowling Green, Ky.	1340	WCBI	Columbus, Miss.	1550	WCSP	Portland, Maine	870	WEAW	Evansville, Ind.	1380
WBGR	Paris Ky.	1440	WCBL	Martinsville, Ind.	1540	WCSP	Columbus, Ind.	1010	WEBB	Baltimore, Md.	1360
WBGT	Tullahoma, TN	740	WCBL	Benton, Ky.	1290	WCSP	Worris, Ill.	1850	WEBC	Union, Minn.	560
WBHB	Fitzgerald, Ga.	1240	WCBM	Baltimore, Md.	680	WCSP	Cherryville, N. C.	1350	WEBJ	Brewton, Ala.	1240
WBHC	Hampton, S.C.	1270	WCBO	Oxford NC	1340	WCSS	Collins, Ohio	1358	WEBO	Owego, N.Y.	1330
WBHF	Cartersville, Ga.	1480	WCBO	Richmond, Ky.	1010	WCSS	Hillsdale, Mich.	1340	WEBS	Hartsville, Ill.	1240
WBHM	Birmingham, Ala.	1800	WCBS	New York, N.Y.	880	WCSS	Amsterdam, N.Y.	1490	WEBS	Burke, N.Y.	970
WBHN	Bryson City, N.C.	1590	WCBS	Rosnoke Rapids, NC	1230	WCST	Berkeley Springs, W. Va.	1010	WEBS	Calhoun, Ga.	1110
WBHP	Huntsville AL	1230	WCBS	Eden, N.C.	1130	WCST	Shell Lake, Wis.	940	WEBS	Eau Claire, Wis.	1050
WBHT	Brownsville, Tenn.	1520	WCBS	Eden, N.C.	1130	WCST	New Brunswick, N.J.	1450	WECO	Wartburg, TN	940
WBIA	Augusta, Ga.	1230	WCBS	Cheboygan, Mich.	1240	WCST	Eaton, Ohio	1150	WECP	Carthage, MS	1460
WBIB	Centerville AL	1110	WCCE	Hartford, Conn.	1290	WCST	Potomac, Va.	1300	WEDC	Chicago, Ill.	1240
WBIC	Marion, Ga.	1090	WCCE	Punta Gorda, Fla.	1580	WCST	Cabin John MD	1300	WEDG	Soogy, Tenn.	1410
WBIG	Greenville, N.C.	1470	WCCE	Lawrence, Mass.	800	WCST	Chesterstown MD	1300	WEDH	McKeesport, Pa.	1240
WBIL	Tuskegee AL	580	WCEN	Neillsville, Wis.	1370	WCST	Corbin, Ky.	880	WEEB	Southern Pines, N.C.	990
WBIP	Boonville, Miss.	1400	WCEN	Minneapolis-St. Paul, Minn.	830	WCST	New Castle, Ind.	1550	WEEU	Hoey mount, N.C.	1390
WBIR	Knoxville, Tenn.	1240	WCEN	Boonville, N.Y.	1580	WCUB	Manitowoc, Wis.	980	WEUW	Waynesboro, Pa.	1130
WBIS	Bristol, Conn.	1440	WCEN	Traverse City, Mich.	1390	WCUE	Cuyahoga Falls, Ohio	1150	WEI	Boston, Mass.	590
WBIT	Del. Ga.	1470	WCEN	New Smyrna Beach, FL	1550	WCUG	Cuthbert, Ga.	950	WEEL	Fairfax, Va.	1310
WBIV	Bedford, Ind.	1340	WCEN	Eden, N.C.	1240	WCUG	Grand Rapids MI	1520	WEEN	Greenville, Tenn.	1480
WBIX	Jacksonville Beach, Fla.	1010	WCEN	Bardonia, NY	1320	WCVA	Culpeper, Va.	1480	WEFP	Pittsburgh, Pa.	1080
WBIZ	Eau Claire, Wis.	1400	WCEN	Chicago Hghts., Ill.	1600	WCVI	Connellsville, Pa.	1340	WEER	Warrenton, Va.	1250
WBJM	Lemmon, S. D.	1400	WCEN	Glasgow, Ky.	1220	WCVL	Crawfordsville, Ind.	1550	WEET	Hishmond, Va.	1320
WBKC	Chardon, O.	1560	WCEN	Winechester, Tenn.	1340	WCVP	Murphy, N.C.	800	WEW	Reading, Pa.	850
WBKN	Hattiesburg, Miss.	950	WCEN	Rocky Mount, N.C.	1420	WCVR	Randolph, Vt.	1260	WEWE	Washington, N.C.	1320
WBKN	Newton, Miss.	1410	WCEN	DuBols, Pa.	810	WCVS	Springfield, Ill.	1450	WEWX	Easton, Pa.	1530
WBKV	West Bend, Wis.	1470	WCEN	Hawkinsville, Ga.	810	WCWA	Coto, O.	1500	WEYA	Yea Baja, P. R.	1350
WBLA	Elizabethtown, N.C.	1440	WCEN	Cambridge, Md.	1240	WCWN	Ripon, Wis.	1600	WEGG	Rose Hill, N.C.	710
WBLC	Pulaski VA	1810	WCEN	Mt. Pleasant, Mich.	1180	WCYN	Cynthiana, Ky.	1400	WEGQ	Concord, N.C.	1410
WBLC	Lenoir City, Tenn.	1360	WCER	Charitne, Mich.	1390	WCYN	Flint MI	1570	WEGP	Presque Isle, Maine	1390
WBLE	Batesville, Miss.	1290	WCFL	Chicago, Ill.	1090	WDAA	Indiana, Pa.	1250	WEHR	Elmira Heights-Horseheads, N.Y.	1590
WBLF	Bellefonte, Pa.	970	WCFL	Chicago, Ill.	1090	WDAA	Kansas City, Mo.	610	WEIC	Charleston, Ill.	1270
WBLG	Lexington, Ky.	1300	WCFL	Springfield, Vt.	1480	WDAL	Meridian, Miss.	940	WEIF	Moundsville, W. Va.	1370
WBLJ	Dalton, Ga.	1230	WCGB	Pastille, P. R.	1090	WDAN	Danville, Ill.	1490	WEIM	Fitchburg, Mass.	1280
WBLO	Evergreen AL	1470	WCGB	Belmont, N.C.	1270	WDAR	Darlington, S.C.	1350	WEIR	Weirton, W.Va.	990
WBLL	Batesburg, S.C.	1430	WCGL	Jacksonville, FL	1580	WDAS	Philadelphia, Pa.	1460	WEIS	Centre AL	830
WBLY	Bedford, Va.	1380	WCGL	Chicago Hghts., Ill.	1600	WDAS	Grand Beach, Fla.	1460	WEK	York, Pa.	810
WBLU	Salem, Va.	1480	WCGL	Chicago Hghts., Ill.	1600	WDAX	McRae, Ga.	1300	WEKA	Jackson, Ky.	830
WBLW	Royston, Ga.	810	WCGL	Chicago Hghts., Ill.	1600	WDAY	Fargo, N. Dak.	870	WEKR	Cabo Rojo, P.R.	930
WBLY	Springfield, Ohio	1800	WCGL	Chicago Hghts., Ill.	1600	WDBE	Escanaba, Mich.	600	WEKY	Fayetteville, Tenn.	1240
WBMA	Beaufort, N.C.	1400	WCGL	Chicago Hghts., Ill.	1600	WDBF	Delray Beach, Fla.	1420	WEKZ	Richmond, Ky.	1340
WBMB	West Branch, MI	1090	WCGL	Chicago Hghts., Ill.	1600	WDBL	Springfield, Tenn.	1690	WEKB	Monroe, Wis.	1260
WBMC	McMinnville, Tenn.	980	WCGL	Chicago Hghts., Ill.	1600	WDBN	Statesville, N.C.	1350	WELE	Welch, W.Va.	1150
WBMD											

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WENC	Whiteville, N.C.	1220	WFRM	Coudersport, Pa.	600	WGUL	New Port Richey, Fla.	1500	WHWB	Rutland, Vt.	1000
WEND	Ebensburg, Pa.	1580	WFR0	Fremont, Ohio	900	WGUN	Atlanta GA	1010	WHWH	Princeton, N.J.	1350
WENG	Endicott, N.Y.	1430	WFRX	West Franklin, Ill.	1300	WGUS	North Augusta, S.C.	1380	WHYD	Columbus, Ga.	1270
WENE	Englewood, Fla.	1530	WFSC	Franklin, N.C.	1050	WGUY	Bangor, Maine	1250	WHYL	Galveston, Pa.	980
WENK	Union City, Tenn.	1430	WFSP	Fairpariso, Fla.	1340	WGVV	Geneva, N.Y.	1260	WHYN	Springfield, Mass.	580
WENN	Birmingham, AL	1320	WFST	Pineflat, Fla.	570	WGMV	Greenville, Miss.	1280	WHYP	North East, Pa.	1530
WENO	Macon, Tenn.	1430	WFSK	Winston, Va. Va.	1580	WGMC	Selma, Ala.	1340	WHYT	Noblesville, Ind.	1110
WENR	Englewood, Tenn.	1090	WFSR	Harlan, Ky.	1470	WGWR	Asheboro, N.C.	1280	WHYZ	Greenville, S. C.	1070
WENT	Groversville-Johnston NY	1340	WFST	Caribou, Maine	600	WGY	Schenestady, N.Y.	810	WHZN	Hazleton, Pa.	1300
WENY	Elmira, N.Y.	1230	WFTC	Kinston, N.C.	1400	WGYV	Greenville AL	1380	WIAC	San Juan, P.R.	740
WENZ	Highland Springs, Va.	1450	WFTG	London, Ky.	1400	WHA	Madison, Wis.	970	WIAD	Jacksonville, FL	1530
WEOK	Poughkeepsie, N.Y.	1390	WFTL	Ft. Lauderdale, Fla.	1400	WHAG	Halfway, Md.	1410	WIAP	Clarksville, Ga.	1500
WEOL	Elyria, Ohio	930	WFTM	Maysville, Ky.	1240	WHAI	Greenfield, Mass.	1240	WIAM	Williamston, N.C.	900
WEOD	Smithfield, VA	940	WFTN	Franklin, N.H.	1240	WHAK	Rogers City, Minn.	980	WIBA	Madison, Wis.	1310
WEPA	Eupora, MS	710	WFTO	Fulton, N.Y.	1330	WHAL	Shelbyville, Tenn.	1400	WIBB	Macon, Ga.	1280
WEPG	S. Pittsburg, Tenn.	910	WFTP	Ft. Pierce, FL	1230	WHAM	Rochester, N.Y.	1180	WIBC	Indianapolis, Ind.	1070
WEPM	Martinsburg, W.Va.	1340	WFTR	Front Royal, Va.	1450	WHAN	Haines City, Fla.	980	WIBG	Philadelphia, Pa.	990
WEQQ	Whitely City, KY	1500	WFTW	Ft. Walton Beach, Fla.	1280	WHAP	Hopewell, Va.	1340	WIBM	Jackson, Miss.	1450
WEKA	Plainfield, N.J.	1580	WFUL	Fulton, Ky.	1270	WHAR	Clarksburg, W.Va.	1340	WIBR	Baton Rouge, La.	1500
WEBC	Birmingham AL	980	WFUN	Miami, Fla.	790	WHAS	Louisville, Ky.	840	WIBU	Poynette, Wis.	1240
WERD	Jacksonville, FL	1400	WUR	Grand Rapids, Mich.	1570	WHAV	Haverhill, Mass.	1490	WIBV	Bellefonte, Pa.	1260
WERE	Cleveland, Ohio	1300	WFVA	Fredericksburg, Va.	1230	WHAW	Weston, W.Va.	980	WIBW	Topeka, Kans.	580
WERH	Hamilton, AL	970	WFYR	Aurora IL	1580	WHBZ	Canton, Ohio	1480	WIBX	Utica, N.Y.	950
WERI	Westerly, R.I.	1290	WFYI	Alma, Mich.	1090	WHB3	Troy, N.Y.	1330	WICC	Bridgeport, Conn.	600
WERK	Muncie, Ind.	930	WGAA	Cedarvale, Ga.	1340	WHB4	Rock Island, Ill.	1270	WICE	Providence, RI	1290
WERL	Eagle River, Wis.	950	WGAD	Gadsden AL	1380	WHBB	Harrisonburg, Va.	1380	WICH	Norwich, Conn.	1310
WERT	Van Wert, Ohio	1220	WGAF	Valdosta, Ga.	910	WHBL	Shelbyville, Va.	1330	WICK	Seranton, Pa.	1400
WESA	Charleroi, Pa.	940	WGAN	Portland, Maine	580	WHBN	Harrrodsburg, Ky.	1420	WICO	Salisbury, Md.	1320
WESB	Bradford, Pa.	1490	WGAP	Greenville, Tenn.	1490	WHBO	Tampa, Fla.	1050	WICD	Malone, N.C.	1490
WESC	Greenville, S.C.	660	WGAT	Gate City, Va.	1050	WHBQ	Memphis, Tenn.	1080	WIDE	Bideford, Maine	1400
WESL	E. St. Louis IL	940	WGAU	Athens, Ga.	1340	WHBT	Harriman, Tenn.	1600	WIDD	Elizabethton, Tenn.	1520
WESQ	Southbridge, Mass.	1370	WGAW	Gardner, Mass.	1340	WHBU	Anderson, Ind.	1240	WIDG	St. Ignace, Mich.	940
WESR	Easton, Pa.	1400	WGAY	Silver Spring MD	1050	WHBY	Appleton, Wis.	1230	WIDU	Fayetteville, N.C.	1600
WESX	Salem, Mass.	1230	WGBB	Freeport, N.Y.	1240	WHCC	Waynesville, N.C.	1400	WIEL	Elizabethtown, Ky.	1400
WESY	Leland, Miss.	1580	WGBE	Evansville, Ind.	1280	WHCO	Sparta, Ill.	1290	WIFF	Auburn, Ind.	1570
WETB	Johnson City, Tenn.	790	WGBG	Greensboro, N.C.	1400	WHCI	Ithaca, N.Y.	1040	WIFM	Elmhurst, N.C.	1490
WETC	Wendell-Zabulon, N.C.	620	WGBI	Seranton, Pa.	910	WHDF	Houghton, Mich.	1400	WIGG	Wiggins, Miss.	1420
WETE	Knoxville, TN	1490	WGBR	Goldsboro, N. C.	1180	WHDH	Boston, Mass.	850	WIGM	Medford, Wis.	1490
WETU	Ocean City, Md.	1590	WGBS	Miami, Fla.	710	WHDL	Olean, N.Y.	1450	WIGO	Atlanta, Ga.	1340
WEUW	Wetumpka AL	1250	WGBL	Red Lion, Pa.	1440	WHDM	McKenzie, Tenn.	1440	WIGS	Gouverneur, N.Y.	1230
WEYZ	New Martinsville, West Virginia	1330	WGBM	Marietta, Ga.	1490	WHDR	Portsmouth, N.H.	750	WIID	Garden City, Mich.	1090
WEUC	Ponce, P.R.	1420	WGBN	Chester, S.C.	1450	WHDR	Rochester, N.Y.	1460	WIIN	Atlanta, Ga.	970
WEUP	Huntsville AL	1600	WGBQ	Greenwich, Conn.	1490	WHDR	Marlinton, Va.	1370	WIKB	Iron River, Mich.	1010
WEVA	Emporia, Va.	860	WGBR	Greensboro, N.C.	1400	WHDR	Albany, Ind.	1570	WIKC	Bogalusa, La.	1490
WEVD	New York, N.Y.	1330	WGBS	Miami, Fla.	710	WHDR	New Albany, Ind.	1570	WIKD	Newport, Vt.	1490
WEVE	Eveleth, Minn.	1340	WGBD	Red Lion, Pa.	1440	WHDR	Syracuse, N.Y.	620	WIKI	Chester, Va.	1410
WEVR	River Falls, Wis.	750	WGBE	Chester, S.C.	1450	WHDR	Stuart, Va.	1270	WIKJ	Evansville, Ind.	820
WEW	St. Louis, Mo.	1180	WGBF	Greenville, Conn.	1490	WHDR	Foley AL	1310	WIKL	St. Louis, Mo.	1430
WEWO	Laurinburg, N.C.	1090	WGBG	Greensboro, N.C.	1400	WHDR	Waltham, MA	1530	WILA	Danville, Va.	1580
WEXI	Jacksonville, FL	1280	WGBH	Greenwich, Conn.	1490	WHDR	Columbia, Pa.	1580	WILD	Boston, Mass.	1090
WEXL	Royal Oak, Mich.	1340	WGBI	Seranton, Pa.	910	WHDR	Benton Harbor-St. Joseph, Mich.	1060	WILC	Cambridge, Ohio	1270
WEXM	Jamestown, VA	1520	WGBL	Red Lion, Pa.	1440	WHDR	Houghton L., Mich.	1290	WILI	Williamette, Conn.	1400
WEXT	W. Hartford, Conn.	1550	WGBM	Marietta, Ga.	1490	WHDR	Warren, Ohio	1440	WILK	Wilkes-Barre, Pa.	980
WEXY	Oakland Park, Fla.	1290	WGBN	Chester, S.C.	1450	WHDR	Pine Castle-Sky Lake, Fla.	1190	WILL	Urbana, Ill.	580
WEY	Sanford, N.C.	1330	WGBQ	Greensboro, N.C.	1400	WHDR	Henderson, Tenn.	1580	WILM	Wilmington, Del.	1450
WEYD	Talcahuano, Chile	1580	WGBR	Greensboro, N.C.	1400	WHDR	Hornell, N.Y.	1320	WILN	Frankfort, Ind.	1370
WEZE	Boston, Mass.	1260	WGBS	Miami, Fla.	710	WHDR	Lucedale, Miss.	1440	WILS	Lansing, Mich.	1500
WEZJ	Williamsburg, Ky.	1440	WGBD	Red Lion, Pa.	1440	WHDR	Hillsville, Va.	1400	WILY	Centralia, Ill.	1210
WEZQ	Winfield AL	1300	WGBE	Chester, S.C.	1450	WHDR	Montgomery AL	1440	WIMA	Lima, Ohio	1100
WEZY	Cocoa Beach, FL	1350	WGBF	Greenville, Conn.	1490	WHDR	Hardinsburg, Ky.	1460	WIMO	Winder, Ga.	1300
WFAD	Dallas-Ft. Worth TX	570	WGBG	Greensboro, N.C.	1400	WHDR	Richmond, Va.	1320	WIMS	Michigan City, Ind.	1420
WFAD	Midlands, Va.	1250	WGBH	Greenwich, Conn.	1490	WHDR	White Plains, N.Y.	1320	WINA	Charlottesville, Va.	1070
WFAG	Farmville, N.C.	1250	WGBI	Seranton, Pa.	910	WHDR	Bay Springs, Miss.	1570	WINB	Winchester, Va.	1070
WFAL	Alliance, Ohio	1310	WGBL	Red Lion, Pa.	1440	WHDR	Providence, R.I.	1110	WINC	Chicago, Ill.	560
WFAL	Fayetteville, N.C.	1230	WGBM	Marietta, Ga.	1490	WHDR	Gallatin, Tenn.	1010	WINE	Brookfield, Conn.	940
WFAR	Farrell, Pa.	1470	WGBN	Chester, S.C.	1450	WHDR	Dayton, Ohio	1290	WING	Manchester, Conn.	1230
WFAS	White Plains, N.Y.	1230	WGBQ	Greensboro, N.C.	1400	WHDR	Dayton, Ohio	1290	WING	Dayton, Ohio	1410
WFAX	Augusta, Me.	1340	WGBR	Greensboro, N.C.	1400	WHDR	Mooreville, N.C.	1350	WINH	Georgetown, S. C.	1470
WFAX	Ft. Atkinson, Wis.	940	WGBS	Miami, Fla.	710	WHDR	Danville, Ky.	1460	WINI	Murphyboro, Ill.	1420
WFAX	Falls Church, Va.	1220	WGBD	Red Lion, Pa.	1440	WHDR	Bluefield, W.Va.	1440	WINK	Fort Myers, Fla.	1490
WFBA	San Sebastian, P.R.	1480	WGBE	Chester, S.C.	1450	WHDR	New Bern, N.C.	1450	WINN	Louisville, Ky.	1240
WFBC	Greenville, S.C.	1330	WGBF	Greenville, Conn.	1490	WHDR	Moulton, Ala.	1530	WINQ	Tampa, Fla.	1010
WFBG	Altoona, Pa.	1290	WGBG	Greensboro, N.C.	1400	WHDR	Zanesville, Ohio	1240	WINR	Binghamton, N.Y.	680
WFBL	Syracuse, N.Y.	1390	WGBH	Greenwich, Conn.	1490	WHDR	Greensburg, Pa.	820	WINS	New York, N. Y.	1010
WFBR	Baltimore, MD	1300	WGBI	Seranton, Pa.	910	WHDR	Matawan, Va.	1360	WINU	Highland, Ill.	1510
WFBS	Spring Lake, N. C.	1450	WGBL	Red Lion, Pa.	1440	WHDR	Hempstead, N.Y.	1420	WINV	Canton, O.	1520
WFBM	Winston-Salem, N. C.	1550	WGBM	Marietta, Ga.	1490	WHDR	Cleveland, Ohio	1420	WINX	Rockville, Md.	1290
WFDF	Flint, Mich.	910	WGBN	Chester, S.C.	1450	WHDR	Hendersonville, N.C.	1450	WINY	Putnam, Conn.	1350
WFDR	Manchester, Ga.	1370	WGBS	Miami, Fla.	710	WHDR	Hickory, N.C.	1290	WINZ	Miami, Fla.	940
WFEC	Manchester, N.H.	1370	WGBD	Red Lion, Pa.	1440	WHDR	Virginia, Minn.	1400	WIOD	Miami, Fla.	610
WFEB	Sylacauga, AL	1320	WGBE	Chester, S.C.	1450	WHDR	Niagara Falls, N.Y.	1270	WIOJ	New Boston, Ohio	1010
WFEG	Harrisburg, Pa.	1400	WGBF	Greenville, Conn.	1490	WHDR	South Boston, Va.	1400	WIOK	Ionis, Mich.	1430
WFEG	Marathon, Fla.	1300	WGBG	Greensboro, N.C.	1400	WHDR	Wheeling, W.Va.	1600	WIOO	Carlisle, Pa.	1000
WFEL	Fitchburg, Mass.	980	WGBH	Greenwich, Conn.	1490	WHDR	Bloomingsburg, Pa.	550	WIOS	Tawas City-East Tawas, Mich.	1480
WFEN	Gaffney, S.C.	1570	WGBI	Seranton, Pa.	910	WHDR	Harlan, Ky.	1410	WIOU	Kokomo, Ind.	1350
WFGW	Black Mountains, N.C.	1010	WGBL	Red Lion, Pa.	1440	WHDR	Akron, Ohio	840	WIP	Philadelphia, Pa.	610
WFG	Bristol, Va.	980	WGBM	Marietta, Ga.	1490	WHDR	Centerville, Tenn.	1370	WIPC	Lake Wales, Fla.	1280
WFHK	Pell City AL	1430	WGBQ	Greensboro, N.C.	1400	WHDR	Port Huron, Mich.	1450	WIPR	San Juan, P.R.	940
WFHR	Wis. Rapids, Wis.	1320	WGBR	Greensboro, N.C.	1400	WHDR	Huntington, Ind.	1300	WIPS	Tioncedero, N.Y.	1250
WFIA	Louisville, Ky.	900	WGBS	Murfreesboro, Tenn.	1450	WHDR	Lakewood, N.J.	1170	WIQT	Horseheads, N. Y.	1090
WFIC	Collinsville, Va.	1530	WGBT	Huntington, W.Va.	930	WHDR	Howell, Mich.	1350	WIRB	Enterprise AL	600
WFIF	Millford, Conn.	1500	WGNU	Granite City, Ill.	920	WHDR	Norhampton, Mass.	1400	WIRC	Hickory, N.C.	630
WFIG	Sumter, S.C.	1290	WGNV	Newburgh, N.Y.	1220	WHDR	Humboldt TN	1190	WIRD	Lake Placid, N.Y.	920
WFIL	Philadelphia, Pa.	580	WGOC	Kingsport, Tenn.	1090	WHDR	New York, N.Y.	1800	WIRE	Indianapolis, Ind.	1430
WFIO	Findlay, Ohio	1330	WGOW	Waco, Va.	1050	WHDR	Monroe, MI	560	WIRJ	Humboldt, Tenn.	740
WFIR	Roanoke, Va.	980	WGOG	Walhalla, S.C.	1090	WHDR	DeComb, Miss.	1250	WIRK	W. Palm Beach, Fla.	1290
WFIS	Fountain Inn, S.C.	1600	WGOH	Grayson, Ky.	1370	WHDR	Des Moines, Iowa	1040	WIRL	Peoria, Ill.	1290
WFIV	Kissimmee, Fla.	1080	WGOK	Mobile AL	900	WHDR	San Juan, P.R.	870	WIRO	Ironton, Ohio	1230
WFIV	Fairfield, Ill.	1590	WGOM	Marion, Ind.	800	WHDR	Philadelphia, Miss.	1490	WIRY	Irvine, Ky.	1550
WFIX	Huntsville AL	1450	WGON	Munising MI	1400	WHDR	Rock Hill, S.C.	1390	WIRY	Plattsburg, N.Y.	1340
WFKN	Franklin, Ky.	1220	WGOW	Chattanooga, TN	1150	WHDR	Lancaster, Ohio	1300	WIS	Columbia, S.C.	560
WFKY	Frankfort, Ky.	1490	WGPA	Bethlehem, Pa.	1100	WHDR	Allentown, Pa.	1800	WISA	Isabella, P.R.	1390
WFLA	Tampa, Fla.	970	WGPE	Albany, Ga.	1450	WHDR	Centerville, Ind.	930	WISK	Asheville, N.C.	1310
WFLB	Fayetteville, N.C.	1490	WGR	Buffalo, N.Y.	550	WHDR	Orlando, Fla.	990	WISL	Shamokin, Pa.	1480
WFLI	Lookout Mountain-Chattanooga, TN	1070	WGRA	Cairo, Ga.	790	WHDR	Hopkinsville, Ky.	1230	WISM	Madison, Wis.	1480
WFLD	Farmville, Pa.	870	WGRD	Grand Rapids, Mich.	1410	WHDR	Decatur AL	1330	WISN	Milwaukee, Wis.	1130
WFLR	Dundee, N.Y.	1450	WGRV	Pittsfield, MA	1110	WHDR	Campbell, Ohio	1350	WISO	Ponce, P.R.	1260
WFLS	Fredericksburg, Va.	1350	WGRW	Greensburg, KY	1550	WHDR	Houlton, Maine	1340	WISP	Kinston, N.C.	1230
WFLW	Bellefonte, Pa.	1380	WGRM	Greenwood, Miss.	1240	WHDR	Clinton, IL	1520	WISR	Butler, Pa.	650
WFLX	Greenville, S.C.	730	WGRN	Lake City, Fla.	960	WHDR	Salinas, P. R.	1210	WISS	Berlin, Wis.	1090
WFMC	Goldsboro, N.C.	930	WGRP	Greenville, Pa.	840	WHDR	Harrisburg, Pa.	580	WIST	Charlotte, N.C.	1240
WFMD	Frederick, Md.	930	WGRQ	Greenville, Tenn.	1340	WHDR	Honesdale, Pa.	1390	WISV	Viraquega, Wis.	1590
WFMH	Cullman, AL	1480	WGRS	Greenville, S.C.	1090	WHDR	High Point, N.C.	1070	WISZ	John Burnie, Md.	1830
WFMJ	Youngstown, Ohio</										

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WIZM	La Cross, WI	1410	WKBK	Keene, N.H.	1220	WKVQ	Knoxville, TN	1490	WLSC	Loris, S.C.	1570
WIZO	Franklin, Tenn.	1380	WKBL	Covington, Tenn.	1250	WKVT	Brattleboro, Vt.	1490	WLSB	Blaine Stone Gap, Va.	1220
WIZR	Johnstown, N.Y.	930	WKBN	Youngstown, Ohio	870	WKWF	Ky West, Fla.	1800	WLSE	Wells, N.C.	1580
WIZS	Henderson, N.C.	1450	WKBO	Harrisburg, Pa.	1230	WKWK	Wheeling, W.Va.	1400	WLSH	Langford, Pa.	1410
WJAC	Johnston, Pa.	1250	WKBU	Garner, N.C.	1000	WKXA	Brunswick, Me.	900	WLST	Pikeville, Ky.	900
WJAG	Norfolk, Nehr.	780	WKBY	Manchester, N.H.	1250	WKXL	Concord, N.H.	1450	WLSM	Louisville, Miss.	1270
WJAK	Jackson, Tenn.	1450	WKBR	Rhodes, N.C.	1200	WKYD	Cerea, N.H.	1500	WLSV	Wellsville, N.C.	790
WJAL	Conway, SC	1050	WKBU	Buffalo, N.Y.	1520	WKXR	Exeter, N.H.	1500	WLTC	Gastonia, N.Y.	1370
WJAM	Marion AL	1310	WKBX	Winston-Salem, N.C.	1500	WKXY	Knoxville, Tenn.	900	WLTV	Evanston, IL	1590
WJAR	Providence, R.I.	920	WKBY	Chatham, Va.	860	WKYI	Sarasota, Fla.	930	WLTH	Wayne, Ind.	1370
WJAT	Swaitsboro, Ga.	900	WKBZ	Muskegon, Mich.	1050	WKYK	Oklahoma City, Okla.	950	WLTM	Littleton, N.H.	1400
WJAX	Jacksonville, Fla.	1280	WKCB	Hindman, Ky.	1540	WKYB	Hemingway, S. C.	1000	WLUV	Loves Park, Ill.	1520
WJAY	Mullins, S.C.	1280	WKCM	Hawesville Ky.	1140	WKYD	Andalusia, AL	920	WLUX	Baton Rouge, La.	1550
WJAZ	Albany, Ga.	960	WKCN	Bowling Green, Ky.	930	WKYF	Spistot, Tenn.	1550	WLWZ	Bayamon, P. R.	1600
WJBB	Haleyville AL	1230	WKCU	Corinth, Miss.	1320	WKYG	Parkersburg W.V.	1230	WLVA	Lynchburg, Va.	590
WJBC	Bloomington, Ill.	1280	WKCV	Warrenton, Va.	1450	WKYK	Burnsville, N.C.	1540	WLWC	Ft. Kent, Me.	1340
WJBD	Salem, Ill.	1350	WKCY	Harrisonburg, Va.	1300	WKYR	Carukesville, KY	1570	WLVD	Luviers, AL	1080
WJBE	Knoxville, Tenn.	1430	WKDA	Nashville, Tenn.	1240	WKYX	Paducah, Ky.	570	WLWJ	Cincinnati, Ohio	700
WJBF	Holland, Mich.	1280	WKDC	Eimhurst, IL	1530	WKZY	Amherst, Va.	1420	WLWL	Rockingham, N.C.	1500
WJBG	Jerseyville, Ill.	1480	WKDE	Alta Vista, Va.	1000	WKZA	Kane, Pa.	980	WLWO	(V.O.A.)	1180
WJBO	Baton Rouge, La.	1150	WKDF	Newberry, S.C.	1240	WKZE	Sauje, PR	800	WLYC	Williamspott, Pa.	1050
WJBP	Westbrook-Portland, ME	1440	WKDG	Liberty, Ky.	1580	WKZI	Casey, Ill.	1000	WLYN	Lynn, Mass.	1300
WJBY	Gadsden AL	930	WKDR	Plattsburgh, N.Y.	1070	WKZJ	Kalamazoo, Mich.	590	WLYV	Ft. Wayne, Ind.	1450
WJCD	Seaboard, Ind.	1380	WKDW	Staunton, VA	900	WKZK	Lawrenceville, Ga.	1100	WMAC	Netter, Ga.	1380
WJCE	Waynesville, N.C.	1450	WKDX	Hamlet, N. C.	1250	WKZL	Danbury, Conn.	800	WMAD	Madison, Wis.	1580
WJCG	Waynesville, N.C.	1450	WKDY	Spartanburg, SC	1400	WKZM	LaFollette, Tenn.	1450	WMAG	Madison FL	1230
WJCH	Waynesville, N.C.	1450	WKDZ	Cadiz, Ky.	1100	WLA	LaGrange, Ga.	1240	WMAG	Forest, MI	860
WJDA	Johnston, N.Y.	930	WKDZ	Huntington, W. Va.	810	WLAB	Lowson, Maine	1430	WMAN	State College, Pa.	1450
WJDB	Thomasville AL	630	WKEL	Washington, Pa.	970	WLAN	Lancaster, Pa.	1390	WMAR	Nashville, Tenn.	1450
WJDM	Elizabeth, N.J.	1530	WKEM	Kewanee, Ill.	1450	WLAP	Lexington, Ky.	830	WMAK	Washington, D.C.	1370
WJDN	Jackson, Miss.	820	WKEN	Dover, DE	1600	WLAQ	Home, Ga.	1410	WMAM	Marinette, Wis.	570
WJDO	Salisbury, Md.	1420	WKER	Pompton Lakes, N.J.	1500	WLAH	Athens, Tenn.	1450	WMAN	Mansfield, Ohio	1400
WJEB	Gladwin, Mich.	1350	WKES	Griffin, Ga.	1430	WLAS	Jacksonville, N.C.	910	WMAP	Monroe, N.C.	1080
WJEH	Gallipolis, Ohio	980	WKFK	Blacksburg, Va.	1450	WLAU	Lawson, S.C.	1380	WMAQ	Chicago, Ill.	570
WJEG	Hagerstown, Md.	1240	WKGL	Covington, Va.	1340	WLAV	Lawrenceville, Ga.	1380	WMAS	Springfield, Mass.	1450
WJEM	Valdosta, Ga.	1150	WKGF	Wickford, R.I.	1370	WLB	Grand Rapids, Mich.	1340	WMAX	Grand Rapids, Mich.	1420
WJER	Dover-New Philadelphia, O.	1450	WKFE	Yauco, P.R.	1850	WLB	Lawrenceville, Ga.	1380	WMAY	Springfield, Ill.	950
WJES	Johnston, S.C.	1450	WKFI	Wilmington, OH	1090	WLB	Muscle Shoals AL	450	WMBA	Mecon, Ga.	940
WJFC	Jefferson City, Tenn.	1480	WKGN	Xoxville, Tenn.	1340	WLB	Carrollton, Ga.	1100	WMBA	Ambridge, Pa.	1460
WJFL	Vicksburg, MS	1490	WKGX	Lenoir, N.C.	1080	WLB	Muncie, Ind.	1340	WMBC	Columbus, Miss.	1400
WJGA	Jackson, Ga.	1540	WKGY	Holly Hill SC	1440	WLB	Laurie, S.C.	790	WMBD	Peter, Ill.	1470
WJGO	Opelika AL	1400	WKHM	Jackon, Mich.	970	WLB	Macon, S.C.	1370	WMB	Joplin, Mo.	1450
WJIC	Salem, N. J.	1550	WKIC	Hazard, Ky.	1390	WLB	Mattoon, Ill.	1170	WMB	Chicago, Ill.	1100
WJIL	Jacksonville, Ill.	1510	WKIG	Glenville, Ga.	1580	WLB	Denham Springs, La.	1220	WMB	Morhead City, N.C.	1470
WJIM	Lansing, Mich.	1240	WKIK	Leonardtown, Md.	1370	WLB	Bowling Green, Ky.	1410	WMB	Miami Beach, Fla.	1490
WJIT	New York, NY	1480	WKIN	Kingsport, Tenn.	1320	WLB	DeKaib, Ill.	1380	WMB	Petoskey, Mich.	1340
WJJC	Commerce, Ga.	1270	WKIP	Poughkeepsie, N.Y.	1450	WLB	Auburndale, Wis.	930	WMB	Auburn, N.Y.	1340
WJJD	Chicago, Ill.	1180	WKIS	Krisland, Fla.	970	WLB	Lebanon, Ky.	1890	WMB	Jacksonville, FL	600
WJJE	Christiansburg, Va.	1280	WKIZ	Key West, Fla.	1500	WLB	Morgantown, KY	1370	WMB	Uniontown, Pa.	1530
WJL	Niagara Falls, N.Y.	1440	WKJB	Mayaguez, P.R.	710	WLB	Canton, Pa.	1270	WMB	Shenandoah, Pa.	1530
WJLM	Lawsburg, Tenn.	1490	WKJC	Granite Falls, N.C.	900	WLB	Lebanon, Pa.	1270	WMB	Memphis, Tenn.	790
WJLN	Jellison, Tenn.	1540	WKJR	Muskegon Heights, Mich.	1520	WLB	Bangor, Maine	628	WMC	New York, N.Y.	570
WJL	Mt. Holly, N. J.	1480	WKKE	Asheville, N.C.	1380	WLB	Buffalo-Hodgenville, Ky.	1430	WMCH	Church Hill, Tenn.	1280
WJL	Hartsville, Tenn.	1090	WKKE	Hibbing, MN	1090	WLC	Scottsville, Ky.	1280	WMCL	McLeansboro, Ill.	1080
WJL	Jamestown, Ky.	1080	WKKA	Vanceburg, Ky.	1570	WLC	Lancaster, S.C.	1380	WMCP	Columbia, Tenn.	1280
WJL	Detroit, Mich.	1400	WKKB	DeLand FL	1310	WLC	Laurensburg, N.C.	1300	WMR	Oreopolis, Pa.	850
WJLD	Fairfield AL	1400	WKKC	Moss Point, Ms.	1460	WLC	Eustis, Fla.	1200	WMCS	Maclias, Me.	1400
WJLE	Smithville, Tenn.	1460	WKLA	Ludington, Mich.	1450	WLC	Baton Rouge, La.	910	WMCT	Mountain City, Tenn.	1390
WJLJ	Tupelo MS	1080	WKLG	St. Albans, W.Va.	1300	WLC	Lafayette, La.	1490	WMCV	Harvard, Ill.	1600
WJLK	Asbury Park, N.J.	1310	WKLF	Clanton AL	980	WLC	St. Petersburg, Fla.	1380	WMDC	Hazlehurst, Miss.	1220
WJLS	Beechey, W.Va.	580	WKL	Cloquet, Minn.	1230	WLD	St. Joseph, Mo.	1340	WMDD	Fajardo, P.R.	1480
WJMA	Orange, Va.	1340	WKL	Wilmington, N.C.	1080	WLD	Jacksonville, Ill.	1810	WMEE	Ft. Wayne IN	1380
WJMB	Brookhaven, Miss.	1340	WKL	Louisville, Ky.	1080	WLD	Ladysmith, Wis.	1340	WMEK	Chase City, Va.	950
WJMC	Rice Lake, Wis.	1240	WKL	Keyser, W. Va.	1390	WLE	Hornell, N.Y.	1480	WMEL	Melbourne FL	920
WJML	Potoskey, Mich.	1110	WKL	Portsmouth, Va.	1350	WLE	Richmond, Va.	1480	WMEN	Tailahassee, Fla.	1330
WJMO	Cleveland Hghts., Ohio	1450	WKL	Portsmouth, Va.	1350	WLE	Sandusky, Ohio	1450	WMES	Ashburn GA	1570
WJMS	Inwood, Mich.	590	WKL	Hartwell, Ga.	980	WLE	Emporium, Pa.	1240	WMEV	Marion, Va.	1010
WJMT	Menomonee Falls, Wis.	730	WKL	Stirling NJ	1670	WLE	Toccoa, Ga.	1420	WMEX	Boston, Mass.	1510
WJMW	Athens AL	730	WKM	Roaring Spring, Pa.	1470	WLE	Sacred Ax, Mich.	1340	WMF	Monroeville AL	1360
WJMX	Florence, S.C.	970	WKMF	Flint, Mich.	1470	WLE	Chey, P.R.	1340	WMT	Wilmington, N.C.	1240
WJNC	Jacksonville, N.C.	1240	WKMG	Newberry, S.C.	1520	WLF	Lafayette, Ga.	1890	WMFG	Hibbing, Minn.	1240
WJNJ	Atlantic Beach, Fla.	1600	WKMI	Kalamazoo, Mich.	1360	WLF	Little Falls, N.Y.	1230	WMFJ	Daytona Beach, Fla.	1450
WJNL	Johnstown PA	1490	WKMT	Kings Mt., N.C.	1220	WLF	Lynchburg, Va.	1320	WMFR	High Point, N.C.	1130
WJNO	West Palm Beach FL	1230	WKND	Windsor, Conn.	1480	WLG	Lebanon, Va.	1320	WMO	Moultrie, Ga.	1230
WJNP	North Pole AK	1170	WKNE	Keene, N.H.	1250	WLG	Logan, O.	1510	WMOC	Canton, Miss.	1370
WJOB	Hammond, Ind.	1230	WKNG	Kalamazoo, GA	1000	WLB	New York, N.Y.	1190	WMGR	Bainbridge, Ga.	930
WJOC	Port St. Joe, Fla.	1080	WKNR	Battle Creek MI	1400	WLB	Shelbyville, Tenn.	1590	WMGS	Bowling Green, Ohio	1330
WJOL	Joliet, Ill.	1340	WKN	Kent, Ohio	1520	WLI	Newport, Tenn.	1270	WMGW	Meadville, Pa.	1490
WJON	St. Cloud, Minn.	1240	WKNU	Saginaw, Mich.	1210	WLI	Lenoir City, Tenn.	730	WMGY	Montgomery AL	800
WJOR	South Haven, Mich.	940	WKNY	Kingsion, N.Y.	1490	WLP	Kenosha, Wis.	1060	WMIA	Arcelo, P. R.	1070
WJOT	Lake City, S.C.	1280	WKOA	Hopkinston, N.Y.	1450	WLI	Mobile AL	1360	WMIC	Sandusky, Mich.	1580
WJOU	Burlington, Vt.	1250	WKOB	Hopkinston, N.Y.	1450	WLI	Ost Saybrook, Conn.	1420	WMID	Atlantic City, N.J.	1340
WJPA	Washington, Pa.	1450	WKOG	Gordon, Ga.	1360	WLI	Newburyville OH	950	WMIK	Midleboro Ky.	580
WJPC	Chicago, IL	950	WKOK	Sunbury, Pa.	1070	WLV	Livingston, Tenn.	920	WMIM	Mt. Carmel, Pa.	1590
WJPD	Ishpeming, Mich.	1240	WKOL	Amsterdam, N.Y.	1570	WLX	Islip, N. Y.	540	WMIN	Maplewood, MN	1010
WJPE	Herrin, Ill.	1340	WKOP	Binghamton, N.Y.	1360	WLI	Lake Worth, Fla.	1380	WMIR	Lake Geneva, Wis.	1550
WJPF	Huntington, TN	1530	WKOR	Starville, Miss.	980	WLK	Waupun, Wis.	1170	WMIS	Natchez, Miss.	920
WJPG	Greenville, Miss.	1390	WKOT	Kingston, NY	1550	WLK	Three Rivers, Mich.	1510	WMIX	Mt. Vernon, Ill.	1340
WJPS	Evanston, Ind.	1350	WKOV	Wellston, Ohio	1330	WLK	Lincen, Me.	1510	WMJL	Marion, Ky.	1010
WJPP	Rockford, Mich.	810	WKOW	Framingham, Mass.	1190	WLK	North Walk, O.	950	WMJM	Cordle, Ga.	1490
WJQR	Jackson, Miss.	1400	WKOY	Bluefield, W.Va.	1340	WLK	Providence, R.I.	990	WMK	Millinocket, Me.	1240
WJRS	Jett, Mich.	780	WKOZ	Kosciusko, Miss.	1340	WLL	Raleigh, N.C.	570	WMLO	Monticello, Miss.	1270
WJRD	Tuscaloosa AL	1510	WKPA	New Kensington, Pa.	1150	WLL	Lowe, Mass.	1400	WMLO	Beverly, Mass.	1370
WJRI	Lenoir, N.C.	1340	WKPM	Princeton, Minn.	1300	WLL	Lynchburg, Va.	930	WMLP	Milton, Pa.	1360
WJRL	Cathoon City, Miss.	1530	WKPO	Prentiss, Miss.	1510	WLL	Oxford, Ill.	740	WMLR	Hohenburg, TN	1230
WJRM	Troy, N.C.	1390	WKPR	Pittsburgh PA	1320	WLL	Hartford, Ky.	800	WMLS	Sylacauga AL	1290
WJRS	Crestview, Fla.	1050	WKPS	Pittsburgh PA	1320	WLL	Wilson, N.C.	1350	WMLT	Dublin, Va.	1330
WJSM	Martinsburg, Pa.	1110	WKQ	Kalamazoo, Mich.	1420	WLM	Laurel, Md.	900	WMLM	Melbourne, Fla.	1240
WJSO	Jonesboro, Tenn.	1590	WKQT	Kingport, Tenn.	1010	WLN	Leominster, Mass.	1000	WMM	Marshall, N.C.	1460
WJST	Jupiter, Fla.	1000	WKQW	Spring Valley, N.Y.	1300	WLN	Laurensburg, N.C.	1300	WMM	Westport, Conn.	1280
WJTA	Johnston, N.Y.	1240	WKRA	Holly Springs, Miss.	1110	WLN	Peaslee, N.Y.	420	WMMN	Fairmont, W.Va.	928
WJTB	Bath, Me.	750	WKRC	Cincinnati, Ohio	550	WLN	Laurensburg, N.C.	1300	WMMW	Meriden, Conn.	1470
WJTP	Newland, NC	1310	WKR	Mobile AL	710	WLN	Sag Harbor, N.Y.	1600	WMNA	Gretna, Va.	730
WJUN	Mexico, Pa.	1220	WKRI	West Warwick RI	1480	WLN	Laconia, N.H.	1350	WMNB	No. Adams, Mass.	1230
WJVA	South Bend, Ind.	1580	WKRM	Murphy, N.C.	1320	WLN	Bradock, Pa.	1550	WMNC	Morganton, N.C.	1430
WJVC	Cleveland, Ohio	850	WKRO	Gottsville, Tenn.	1090	WLN	Portland, Maine	1310	WMNE	Memononle, Wis.	1360
WJVD	Lebanon, PA	940	WKRS	Calroe, Ill.	490	WLN	Portland, Maine	1310	WMNI	Columbus, Ohio	920
WJWL	Georgetown, Del.	900	WKRT	Cortland, N.Y.	1220	WLN	Windsorfield, Ky.	980	WMNS	Olean, N.C.	1380
WJWS	South Hill, Va.	1340	WKRW	Cartersville, Ga.	1270	WLN	Pompano Beach, Fla.	1500	WMNT	Watts, P.R.	1580
WJX	Jackson, Miss.	1450	WKRY	Oil City, Pa.	1340	WLO	Eden, NC	1490	WMNZ	Montezuma, Ga.	1050
WJZM	Clarksville, Tenn.	1400	WKRS	New Castle, Pa.	1280	WLO	Orlando, Fla.	950	WMO	Marietta, Ohio	1490
WKAI	Macomb, Ill.	1500	WKSA	Prichard AL	1010	WLO	Logan, W.Va.	1230	WMOB	Mobile AL	640
WKAJ	Saratoga Springs, NY	900	WKSK	W. Jefferson NC	560	WLO	La Porte, Ind.	1540	WMOG	Chattanooga, Tenn.	1450
WKAL	Rome, N.Y.	1450	WKSP	Kingsree, S. C.	1090	WLO	Memphis, Tenn.	1340			

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WMQM	Memphis, Tenn.	1480	WNYG	Babylon, NY	1440	WPMP	Pasagoula, Miss.	1580	WRIT	Milwaukee, Wis.	1340
WMRB	Greenville, S.C.	1490	WNYN	Canton, O.	900	WPNC	Plymouth, N.C.	1470	WRIV	Riverhead, N.Y.	1390
WMRC	Milford, Mass.	1490	WNYV	Rochester, N.Y.	880	WPNF	Brevard, N.C.	1240	WRJC	Maunston, Wis.	1270
WMRE	Monroe, La.	1490	WOAI	San Antonio, Tex.	1200	WPNH	Plymouth, N.H.	1300	WRJN	Racine, Wis.	1400
WMRF	Lewisburg, Pa.	1490	WOAP	Owosso, Mich.	1080	WPNO	Auburn, Me.	1530	WRJW	Plycayne, Miss.	1320
WMRN	Marion, Ohio	1490	WOAY	Oak Hill, W.Va.	860	WPNX	Phenix City, AL	1460	WRKB	Kannapolis, N.C.	1460
WMRO	Aurora, Ill.	1280	WOBL	Oberlin, O.	1570	WPKB	Columbus, GA	1460	WRKD	Rockland, Maine	1460
WMSA	Massena, N.Y.	1340	WOBR	Wanahese, N.C.	1530	WPKP	Pontiac, Ill.	1080	WRKL	New City, N.Y.	910
WMSG	Oakland, Md.	1050	WOBT	Rhineland, Wis.	1240	WPKR	Riviera Beach, FL	1600	WRKM	Carthage, Tenn.	1350
WMSJ	Sylva, N.C.	850	WOBS	Davenport, Iowa	1420	WPKS	Pontiac, Mich.	1460	WRKN	Brandon, Miss.	910
WMSK	Morganfield, Ky.	1400	WOCB	W. Yarmouth, Mass.	1240	WPKT	Hartford, Conn.	1410	WRKO	Boston, Mass.	680
WMSO	Collierville TN	1590	WOCH	North Vernon, Ind.	1450	WPKR	Portland, Maine	1490	WRKR	Racine, WI	1460
WMSR	Manchester, Tenn.	1320	WOEN	Miami, Fla.	1480	WPKV	New York, N.Y.	1330	WRKV	Cocoa Beach, Fla.	1300
WMST	Mt. Sterling, Ky.	1150	WOCO	Oconto, Wis.	1280	WPKW	Providence, R.I.	1360	WRKW	Rockville, Conn.	800
WMTA	Cedar Rapids, Iowa	800	WODI	Brookneal, Va.	1230	WPPC	Penuelas, P.R.	1330	WRMA	Montgomery AL	950
WMTB	Central City, Ky.	1380	WODY	Bassett, Va.	900	WPPA	Mayaguez, P.R.	960	WRMF	Titusville, FL	1060
WMTD	Hinton, W. Va.	1320	WOFB	Rockwood, Tenn.	1540	WPPR	Lincoln, IL	1370	WRMG	Red Bay AL	1430
WMTG	Vandevler, Ky.	1380	WOHI	E. Liverpool, Ohio	1440	WPRE	Prairie Du Chien, Wis.	980	WRMN	Elgin, Ill.	1410
WMTM	Leitchfield, Ky.	1560	WOHN	Herdon, Va.	1490	WPRN	Butter AL	1240	WRMS	Beardstown, Ill.	790
WMTN	Moufrit, Ga.	1300	WOHO	Toledo, Ohio	1470	WPRP	Ponce, P.R.	1430	WRMT	Rocky Mount, N.C.	1480
WMTT	Morristown, Tenn.	1300	WOHS	Shelby, N.C.	730	WPRS	Paris, Ill.	850	WRNB	New Bern, N.C.	1490
WMTU	Morristown, N.J.	1230	WOIA	Ames, Iowa	640	WPRT	Prestonsburg, Ky.	960	WRNC	Raleigh, N.C.	1240
WMTV	Murfreesboro, Tenn.	810	WOIC	Columbia, S.C.	1080	WPRW	Manassas, Va.	1460	WRNG	N. Atlanta, Ga.	680
WMTW	Greensboro, N.C.	1090	WOID	Canton, O.	1080	WPRY	Perry, FL	1400	WRNJ	Hackettstown, NJ	1000
WMTX	Muskogean, Mich.	1050	WOJE	Douglas, Ga.	1310	WPSB	Pageville, SC	1510	WRNL	Richmond, Va.	910
WMTY	Greensboro, N.C.	1090	WOKB	Winter Garden, Fla.	860	WPSD	Mono, Calif., Pa.	1510	WRNR	Martinsburg, WV	740
WNUA	Greenville, S.C.	1260	WOKC	Okeechobee, Fla.	1570	WPTB	Statesboro, Ga.	850	WRNY	Hume, N.Y.	1350
WNVA	Martinsville, Va.	1450	WOKE	Charleston, S.C.	1340	WPTF	Raleigh, N.C.	860	WROA	Gulfport-Biloxi, MS	1380
WNVB	Millsville, N.J.	1440	WOKI	Oak Ridge TN	1550	WPTL	Canton, N.C.	920	WROB	West Point, MS	1450
WNVG	Milledgeville, Ga.	1450	WOKJ	Jackson, Miss.	1530	WPTN	Cookeville, Tenn.	1550	WRUC	Hochester, N.Y.	1280
WNVC	Medanville, N.Y.	1270	WOKL	Meridian, MS	910	WPTP	Albany, N.Y.	1540	WRUD	Daytona Beach, Fla.	1340
WNVD	Mt. Vernon, Ohio	1300	WOKM	Eau Claire, Wis.	1050	WPTQ	Piqua, Ohio	1570	WRUK	Rockford, Ill.	1440
WNVR	Sidney, Ohio	1080	WOKN	Columbia, Ga.	1340	WPTW	X Lexington Pk., Md.	920	WRUM	Rome, GA	710
WNYS	Myrtle Beach, S.C.	1450	WOKO	Albany, N.Y.	1460	WPUB	Clarkston, S.C.	1320	WRUN	Roseville, Va.	1400
WNYN	Mayodan, N.C.	1420	WOKP	Columbia, Mass.	1410	WPUL	Bartow, Fla.	1130	WRVA	Albany, N.Y.	590
WNYP	Ft. Myers, Fla.	1410	WOKR	Milwaukee, Wis.	920	WPUP	Bay St. Louis MS	1190	WRWC	Clarksburg, Miss.	1450
WNAB	Bridgeport, Conn.	1450	WOKS	Washington, D.C.	1370	WPUR	Brewster, N.Y.	1510	WRXD	Carmi, Ill.	1460
WNAD	Norman, Okla.	640	WOLA	Washington, D.C.	1330	WPUV	Pulaski, Va.	1580	WRZE	Evansville, Ind.	1400
WNAE	Warren, Pa.	1310	WOLF	Syracuse, N.Y.	1490	WPUV	Colonial Heights, Va.	1290	WRPL	Charlotte, N.C.	1540
WNAG	Greensboro, Miss.	810	WOLS	Florence, S.C.	1230	WPUV	Palmer, Pa.	1510	WRPM	Chaplinville, Miss.	1490
WNAH	Nashville, Tenn.	1360	WOMA	Owensboro, Ky.	1490	WPWC	Quincyville, Ohio	1460	WRPQ	Dallas, Tex.	1310
WNAK	Nanticoke, Pa.	730	WOMP	Bellaire, Ohio	1290	WPXC	Prattville AL	1410	WRR	Federicksted, VI	1290
WNAL	Nelsonville, O.	940	WOMT	Manitowoc, Wis.	1240	WPXE	Starke, Fla.	1490	WRRL	Kanelle, WV	1130
WNAM	Neenah, Wis.	1280	WOMA	Winona, Miss.	1240	WPXY	Greenville, N.C.	1550	WRRR	Rockford, Ill.	1330
WNAR	Norristown, Pa.	1110	WOND	Pleasantville, N.J.	1400	WPYB	Benson, N.C.	1130	WRHT	Clinton, N.C.	880
WNAT	Natchez, Miss.	1450	WONE	Dayton, O.	980	WQAK	Desatur GA	1310	WRSC	State College, Pa.	1390
WNAU	New Albany, Miss.	1400	WONN	Lakeland, Fla.	1230	WQAM	Miami, Fla.	960	WRSE	San German, P.R.	1490
WNAX	Annapolis, Md.	1430	WONS	Tallahassee, Fla.	1410	WQBA	Miami, Fla.	1140	WRWJ	Bayamon, P.R.	1560
WNBK	Winter Park, Fl.	1440	WONW	DeFiance, Ohio	1280	WQBC	Vicksburg, Miss.	1420	WRXL	Stanton, Ky.	1520
WNBG	Winterville, N.C.	1290	WODD	Grand Rapids, Mich.	1300	WQBS	San Juan, P.R.	630	WRXS	Warsaw IN	1480
WNBH	New Bedford, Mass.	1340	WODP	Douglas, Ala.	560	WQBX	Blacksburg VA	710	WRTA	Altoona, Pa.	1240
WNBK	Newburyport, Mass.	1470	WOOW	Greenville, N.C.	1340	WQCK	Warner Robins, GA	1600	WRTH	Wood River, Ill.	590
WNBS	Murray, Ky.	1340	WOZZ	Whiteville, NC	1540	WQDE	Albany GA	1250	WRTL	Rantoul, Ill.	1460
WNBT	Wellsboro, Pa.	1490	WOPA	Oak Park, IL	1490	WQEF	Albany, Ga.	1470	WRTU	Gainesville, Fla.	850
WNBY	Newberry, Mich.	1450	WOPB	Bristol, Tenn.	1510	WQEG	Cadieux, FL	1440	WRUM	Humford, Maine	790
WNBZ	Sarasota Lake, N.Y.	1240	WOR	New York, N.Y.	710	WQGC	Calais, Maine	1230	WRUN	Utica, N.Y.	1150
WNCA	Siler City, N.C.	1870	WORC	Wrestler, Mass.	1450	WQID	San Juan, P.R.	1140	WRUS	Russellville, Ky.	610
WNCC	Barnesboro, Pa.	950	WORD	Spartanburg, S.C.	910	WQIN	Lykens, PA	1290	WRVA	Richmond, Va.	1140
WNCB	N. Charleston, S.C.	910	WORG	Orangeburg, S.C.	1580	WQIZ	St. George, S.C.	810	WRVK	Mt. Vernon, Ky.	1460
WNCG	Ashland, Ohio	1340	WORL	Orlando FL	1270	WQKA	St. Matthews, SC	710	WRXB	St. Petersburg Beach, FL	1590
WNCI	Greenville, N.C.	1070	WORM	Savannah, Tenn.	1010	WQKB	Greenville, S.C.	1520	WRXD	Augusta, Ga.	1480
WNCJ	Daytona Beach, Fla.	1150	WORV	Hattiesburg, Miss.	1580	WQKD	Lakeland FL	1430	WRXG	Cleveland, Ga.	1380
WNCI	Indianapolis IN	1260	WORX	Madison, Ind.	1270	WQKE	Savannah GA	1480	WRXO	Koxboro, N.C.	1430
WNDE	Sullivan, IN	1550	WOSC	Fulton, N.Y.	1300	WQKF	Savannah GA	1480	WRXM	New Britain, Conn.	840
WNER	Live Oak, Fla.	1870	WOSU	Columbus, Ohio	1520	WQKW	Waterbury CN	1590	WRYN	Boston, Mass.	950
WNES	Central City, N.Y.	1250	WOT	Waton, N.Y.	1410	WQSA	Sarasota FL	1220	WRZ	Jupiter, FL	1470
WNEH	Newman, Ga.	1300	WOTA	Waukegan, Ill.	1490	WQSB	Charleston, S.C.	950	WRTG	Fort Knox, Ky.	1470
WNEB	Worcester, Mass.	1230	WOUB	Athens, Ohio	1340	WQTC	Two Rivers, Wis.	1390	WRTJ	Sarasota, Fla.	1220
WNEG	Tacoia, Ga.	630	WOUM	Omaha, Nebr.	990	WQTD	Parsippany, NJ	310	WSA	Cincinnati, Ohio	1360
WNEK	Cague, P. R.	1430	WOWL	Florence AL	1240	WQTF	Latrobe, Pa.	1870	WSAJ	Grove City, Pa.	1340
WNER	Live Oak, Fla.	1870	WOWO	Ft. Wayne, Ind.	1190	WQUG	Moline, Ill.	1230	WSAL	Lagunport, Ind.	1230
WNEP	Center City, N.Y.	1250	WOWW	Naugatuck, Conn.	1380	WQUA	Mebane NC	1060	WSAM	Saginaw, MI	1400
WNEU	Wheeling, W. Va.	1470	WOXC	Clewiston, Fla.	900	WQVA	Atlanta, Ga.	790	WSAN	Allentown, Pa.	1470
WNEW	New York, N.Y.	1130	WOZK	Ozark, Mo.	810	WQXB	Wilmington, S.C.	1470	WSAO	Senatobia, Miss.	1550
WNEX	Macon, Ga.	1400	WOZN	Jacksonville, Fla.	970	WQXR	New York, N.Y.	1560	WSAR	Fall River, Mass.	1480
WNFL	Green Bay, Wis.	1440	WPAB	Pones, P.R.	550	WQY	Tampa, Fla.	1110	WSAT	Salsbury, N.C.	1280
WNGA	Nashville, Ga.	1600	WPAD	Paducah, Ky.	1450	WRAA	Luray, Va.	1330	WSAU	Wausau, Wis.	550
WNGO	Mayfield, Ky.	1320	WPAG	Ann Arbor, Mich.	1050	WRAD	Arab AL	1380	WSAV	Savannah, Ga.	630
WNHC	New Haven, Conn.	1340	WPAL	Charleston, S.C.	750	WRAD	Radford, Va.	1460	WSBY	Hochester, N.Y.	1470
WNHV	White River Jct., Vt.	910	WPAN	Orangeburg, S.C.	1580	WRAI	San Juan, P.R.	1520	WSB	Atlanta, Ga.	750
WNIA	Cheektown, N.Y.	1230	WPAS	Zaphyrhills, Fla.	1400	WRAN	Anna, Ill.	1440	WSBA	York, Pa.	910
WNIC	Dearborn, MI	1310	WPAT	Pateron, N.J.	930	WRAP	Williamsport, PA	1400	WSBB	New Smyrna Beach, Fla.	1230
WNIK	Arcadio, P.R.	1230	WPAX	Thomasville, Ga.	1240	WRAN	Monmouth, Ill.	1330	WSBC	Chicago, Ill.	1240
WNIL	Niles, Mich.	1290	WPAY	Portsmouth, Ohio	1400	WRAN	Dover, N.J.	1510	WSBR	Booth Raton, Fla.	740
WNIO	Niles, Ohio	1540	WPBZ	Pottstown, Pa.	1376	WRAP	Norfolk, Va.	850	WSBT	Bartington, Mass.	650
WNJR	Newark, N.J.	1430	WPBR	Palm Beach FL	1376	WRAW	Reading, Pa.	1340	WSBT	South Bend, Ind.	980
WNKY	Neon, Ky.	1480	WPCC	Clinton, S.C.	1410	WRAY	Princeton, Ind.	1280	WSBP	Chattahoochee, Fla.	1560
WNLB	Rocky Mt., VA	1290	WPCE	Portsmouth, VA	1400	WRBC	Jackson, Miss.	1300	WSCM	Panama City Beach, Fla.	1290
WNLC	Nen London, Conn.	1510	WPCL	Panama City, Fla.	1430	WRBD	Pompano Beach, Fla.	1470	WSCP	Sandy Creek-Pulaski, N.Y.	1070
WNLK	Norwalk, Conn.	1350	WPFC	Mt. Vernon, Ind.	1890	WRBE	Lueddale MS	1440	WSCR	Seranton, Pa.	1320
WNMT	Garden City, Ga.	1520	WPFD	Mt. Vernon, Ind.	1890	WRBL	St. Johns, Mich.	1590	WSCR	Peterborough, N.H.	1050
WNMC	Newton, N.C.	1230	WPEH	Louisville, Ga.	1420	WRBQ	Chapel Hill NC	1530	WSCW	South Charleston, WV	1410
WNNE	Newton, N.J.	1380	WPEL	Mentrose, Pa.	1250	WRBT	Washington, D.C.	980	WSDC	Hartsville SC	1490
WNNO	Wisconsin Dells, WI	990	WPEP	Peoria, Ill.	820	WRCD	Dafton, Ga.	1430	WSDL	Sidell LA	1240
WNNT	Warsaw, Va.	890	WPEP	Taunton, Mass.	1570	WRCD	Richland Center, WI	1450	WSDR	Spring Hill, Tenn.	1580
WNOR	New Orleans, La.	1060	WPET	Greensboro, N.C.	950	WRCP	Philadelphia, Pa.	1640	WSDS	Spilanti, Mich.	1480
WNOS	Naples, Fla.	1270	WPFH	Elizabethtown, Pa.	1550	WRCS	New Britain, CT	910	WSEB	Sebring, Fla.	1340
WNOK	Columbia, S.C.	1230	WPDF	Corydon, Ind.	1450	WRCS	Ahoskie, N.C.	970	WSEL	Pontotoc, Miss.	1440
WNOD	Chatanooga, Tenn.	1260	WPDG	Jacksonville, FL	1460	WRDB	Reedsburg, WI	1400	WSEM	Donalsonville, Ga.	1490
WNOP	Newport, Ky.	740	WPDQ	Portage, Wis.	1350	WRDI	Hampton NJ	1580	WSEN	Baldwinsville, N.Y.	1050
WNOR	Norfolk, Va.	1230	WPDX	Clarksburg, W.Va.	750	WRDN	Durand, Wis.	1430	WSEK	Elkton, Md.	1550
WNOW	Milwaukee, Wis.	860	WPEC	Crozet, Va.	810	WRDU	Augusta, Maine	1460	WSEW	Seymourville, Tenn.	1240
WNOW	York, Pa.	1250	WPEL	Louisville, Ga.	1420	WRDZ	Augusta, GA	1480	WSEW	Selingsgrove, Pa.	1300
WNXX	Knoxville, Tenn.	990	WPEN	Philadelphia, Pa.	950	WREB	Holyoke, Mass.	930	WSEW	Quintana, Ga.	1490
WNXP	New Orleans, La.	1450	WPER	Peoria, Ill.	820	WREC	Memphis, TN	600	WSEW	Somerset, Ky.	1240
WNPT	Tuscaloosa AL	1440	WPET	Taunton, Mass.	1570	WREL	Lexington, Va.	1450	WSEW	Seaford, DE	1280
WNPW	Lansdale, Pa.	1440	WPFM	Greensboro, N.C.	950	WREM	Jenkins, Ky.	1000	WSEW	Saunders, Ky.	1340
WNR	Circleville OH	1549	WPFH	Elizabethtown, Pa.	1550	WREK	Toneka, KS	970	WSEW	Savannah, N.Y.	1110
WNRG	Grundy, Va.	940	WPFB	Middletown, Ohio	910	WREK	Augusta, GA	1480	WSEW	Savannah, Ga.	1400
WNRH	Woonssocket, R.I.	1580	WPGA	Perry, Ga.	980	WRFC	Atlanta, Ga.	1470	WSEW	Union, W.Va.	1490
WNRJ	Gainesville, Ga.	1130	WPGC	Morningside, MD	1580	WRFD	Athens, Ga.	960	WSEW	Elberton, Ga.	1400
WNRK	Newark, Del.	1280	WPGD	Winston-Salem NC	1550	WRFD	Worthington, Ohio	880	WSEW	Birmingham AL	610
WNRS	Saline, Mich.	1290	WPGM	Danville, Pa.	1570	WRFG	Rome, Ga.	1470	WSEW	Oswego, N.Y.	1440
WNRV	Narrows-Pearlsburg, Va.	990	WPGN								

U.S. AM STATIONS BY CALL LETTERS

Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
WSIZ	Ocala, Ga.	1380	WTCO	Campbellsville, Ky.	1450	WUFF	Eastman, Ga.	710	WWNS	Statesboro, Ga.	1240
WSJM	St. Joseph, Mich.	1400	WTCR	Ashland, Ky.	1420	WUFO	Amherst, N.Y.	1080	WWNY	Watertown, N.Y.	790
WSJR	Modawaska, Mo.	1230	WTCS	Fairmount, W.Va.	1490	WULA	Eufaula AL	1240	WWOD	Lynchburg, Va.	1280
WSJB	Winston-Salem, N.C.	600	WTCS	Whitesburg, Ky.	920	WULF	Alma, GA	1400	WWOK	Miami, Fla.	1280
WSJW	Woodruff, S.C.	1610	WTLK	Philadelphia, Pa.	890	WUMU	Gainesville, Fla.	1390	WWOL	Buffalo, N.Y.	1120
WSKE	Everett, Pa.	1050	WTRR	Thomson, Ga.	1360	WUNA	Aquadilla, P. R.	1340	WWON	Woonsocket, R.I.	1240
WSKI	Montpelier-Barre, Vt.	1240	WTHB	Myrtle Beach, S.C.	1520	WUNI	Mobile AL	1410	WWOW	Cincinnati, Ohio	1380
WSKT	Knoxville, Tenn.	1580	WTHB	Augusta, Ga.	1580	WUNY	Mason, Mich.	1850	WWVA	Williamsport, Pa.	1280
WSKY	Slovakia, N.C.	1290	WTHD	Milford, Del.	930	WUPD	Coal Gales, P.R.	1320	WWVF	Palatka, Pa.	1280
WSLB	Odenburg, N.Y.	1400	WTHM	Mincola, N.Y.	1520	WUNR	Brookline, Mass.	1600	WWRL	New York, N.Y.	1480
WBLK	Roanoke VA	610	WTHI	Terra Haute, Ind.	1480	WUPR	Utada, P.R.	1530	WWSC	Glens Falls, N.Y.	1480
WBLG	Donaldsonville, La.	1050	WTHM	Lapeer, Mich.	1530	WUPY	Ispheming MI	970	WWSF	Loretto, Pa.	1400
WLSI	Jackson, Miss.	930	WTHO	Thomson, GA	1530	WUSS	Atlantic City, NJ	1490	WWSR	St. Albans, Vt.	1420
WSMA	Marine City Mich.	1890	WTHU	Thurmont, Md.	1480	WUST	Washington DC	1120	WWST	Wooner, Ohio	980
WSLM	Salem, Ind.	1220	WTIC	Hartford, Conn.	1050	WVAB	Virginia Beh., Va.	1550	WWTV	Pittsburgh, Pa.	690
WSLR	Akron, Ohio	1350	WTID	Newport News, Va.	1270	WVAL	Sauk Rapids, Minn.	1890	WWTC	Minneapolis, Minn.	1280
WSTL	Ocean City-Somers Pt., N.J.	1520	WTIF	Tifton, Ga.	1340	WVAP	Altoona, Pa.	1430	WWUN	Jackson, Miss.	1890
WSTV	White Sulphur Springs, WV	1310	WTIG	Massillon, Ohio	990	WVAP	Burnettown, S.C.	1470	WVVA	Wheeling, W.Va.	1170
WSM	Nashville, Tenn.	650	WTIK	Durham, N.C.	1310	WVAP	Richwood, W.Va.	600	WWVB	Jasper AL	1380
WSMA	Marine City, Mich.	1590	WTIL	Mayaguez, P.R.	1300	WVAP	Burgaw NC	1470	WWVC	Wilkesboro, N.C.	1240
WSM	New Orleans, La.	1350	WTIM	Charleston, W.Va.	1410	WVBC	Shalotte, N.C.	1410	WWVD	Schenectady, NY	1240
WSMD	La Plata, Md.	1580	WTIP	Charleston, W.Va.	1490	WVFC	Windermere, Fla.	1480	WWWE	Cleveland, OH	1100
WSME	Sanford, Maine	1220	WTIQ	Manistique, Mich.	1230	WVFC	Coral Gales, Fla.	1390	WWWR	Russellville AL	920
WSMG	Greenville, Tenn.	1450	WTIX	New Orleans, La.	690	WVCH	Chester Pa.	740	WWXL	Manchester, Ky.	1430
WSMI	Litchfield, Ill.	1540	WTJH	East Point, Ga.	1280	WVEC	Hampton, Va.	1490	WWYN	Way, Pa.	1280
WSML	Graham, N.C.)	1190	WTJS	Jackson, Tenn.	1390	WVFC	McConnellsburg, PA	1520	WWYO	Pineville, W.Va.	970
WSMN	Nashua, NH	1590	WTKM	Hartford, Wis.	1540	WVGT	Mt. Dora, Fla.	1580	WWXP	Clinton Forge VA	1230
WSMT	Sparta, Tenn.	1050	WTKO	Ithaca, N.Y.	1470	WVIC	E. Lansing, Mich.	1380	WXCL	Peoria, Ill.	1350
WSMY	Weldon, N.C.	1400	WTKY	Tombkinsville, Ky.	1310	WVIP	Mt. Kisco, N.Y.	1310	WXCO	Wausau, Wis.	1230
WSNE	Cummins, Ga.	1170	WTLB	Utica, N.Y.	1310	WVIP	Pensacola FL	610	WXEW	Yates, W.V.	1340
WSNG	Torrington, CT	610	WTLK	Taylorville, N.C.	1520	WVJP	Caguas, P.R.	1110	WXGW	Yates, W.V.	640
WSNJ	Bridgeton, N.J.	1240	WTLN	Apopka, Fla.	1520	WVJS	Owensboro, Ky.	1420	WXJK	Richmond, VA	1490
WSNO	Barre, Vt.	1450	WTLN	Apopka, Fla.	1520	WVKO	Columbus, Ohio	1580	WXIT	Charleston, W.Va.	1490
WSNT	Sandersville, Ga.	1490	WTLT	Tallahassee AL	1300	WVKY	Louisia, Ky.	1270	WXLI	Dublin, Ga.	1230
WSNW	Seneca, S. C.	1150	WTMA	Charleston, S.C.	1250	WVLC	Orleans, Mass.	1170	WXLL	Big Delta, Alaska	980
WSOC	Charlotte, N.C.	930	WTMB	Tomaw, W.	1480	WVLD	Valdosta, Ga.	1450	WXLM	Indianapolis, Ind.	950
WSOK	Savannah, Ga.	1230	WTMC	Ocala, Fla.	1290	WVLE	Lexington, Ky.	590	WXLX	Milldeleport, GA	1060
WSOL	Tampa, Fla.	1300	WTNE	Trenton, TN	1500	WVLE	Oney, Ill.	740	WXOK	Baton Rouge, La.	1480
WSOM	Salem, Ohio	600	WTNJ	Meridian MS	1390	WVLC	Waton Valley, Miss.	1380	WXOR	Way City, Mich.	1240
WSOO	Sit. Ste. Marie, Mich.	1230	WTNN	Reidsville, GA	1390	WVMC	Mt. Carmel, Ill.	1320	WXPD	Easton, Ga.	1520
WSOQ	No. Syracuse, N.Y.	1220	WTNL	Millington, TN	1380	WVMI	Biloxi, Miss.	570	WXPT	Lexington, Miss.	1000
WSOY	Deatur, Ill.	1240	WTNS	Coshocton, Ohio	1580	WVMT	Burlington, Vt.	620	WXRF	Guayama, P.R.	1590
WSPA	Spartanburg, S.C.	950	WTNT	Tallahassee AL	1290	WVNA	Tussumbla, AL	1590	WXRL	Laneaster, N.Y.	1300
WSPB	Sarasota, Fla.	1450	WTNT	Tallahassee AL	1290	WVNH	Salem, NH	1110	WXVA	Charles Town, W.Va.	1550
WSPD	Toledo, Ohio	1370	WTNY	Orangeburg, S.C.	920	WVNB	Newark, N.J.	620	WXWV	Jaffersville, Ind.	1450
WSPF	Hickory, N.C.	1000	WTOB	Winston-Salem, N.C.	1380	WVOC	Battle Creek, Mich.	1500	WXWZ	Hattiesburg, Miss.	1310
WSPR	Springfield, Mass.	1270	WTOC	Savannah, Ga.	1290	WVOE	Chadburn, N.C.	1590	WXXZ	Detroit, Mich.	1270
WSPR	Stevens Pt., Wis.	1010	WTOE	Spring Pine, N.C.	1470	WVOG	New Orleans, La.	600	WYAL	Scotland Neck, N.C.	1280
WSR	Durham, N.C.	1410	WTOE	Stauton, Va.	1240	WVOH	Hazellhurst, Ga.	920	WYAM	Bessemer AL	1450
WSRF	Fort Lauderdale, FL	1580	WTOG	Bellefontaine, O.	1380	WVOJ	Jacksonville, Fla.	1520	WYAZ	Yazoo City, MS	1530
WSRO	Marlboro, MA	1470	WTOH	Toledo, Ohio	1560	WVQI	Berry Hill, Tenn.	1470	WYBG	Massena, N.Y.	980
WSRW	Hillsboro, Ohio	1590	WTOI	Washington, D.C.	1310	WVOL	Chicago, IL	1390	WYCL	York, S.C.	980
WSSA	College Park, Ga.	1570	WTOT	Marianna, Fla.	980	WVPI	Vidalia, Ga.	970	WYDE	Birmingham AL	850
WSSB	Durham, NC	1490	WTPR	Paris, Tenn.	710	WVPS	Liberty, N.Y.	1240	WYDK	Yadkinville, N.C.	1480
WSSC	Sumter, S.C.	1340	WTOV	Townson, Md.	1570	WVPT	Wilson, N.C.	1420	WYFC	Rockford, Ill.	1150
WSSD	Starkville, Miss.	1230	WTOY	Roanoke Va.	910	WVPU	Huntsville AL	1000	WYFU	Cornin, Ky.	1350
WSSJ	Largo, Fla.	800	WTOX	Soema AL	1290	WVSC	Somersel Pa.	980	WYGA	Wagon M., Pa.	1530
WSSV	Petersburg, Va.	800	WTRA	Latrobe, Pa.	1460	WVSM	Rainsville AL	1500	WYND	Sarasota, Fla.	1280
WSTC	Stamford, Conn.	1400	WTRB	Ripley, Tenn.	1570	WVUN	Leone, Am. Samoa	1120	WYNE	Appieton, Wis.	1150
WSTH	Waynesville, N.C.	860	WTRC	Elkhart, Ind.	1340	WVVV	Graiton, W.Va.	1260	WYNN	Baton Rouge, La.	1380
WSTK	Woodstock, Va.	1230	WTRD	Greensburg, Ind.	1330	WVYX	Highland Park, Deertfield, IL	1430	WYNN	Florence, S.C.	840
WSTL	Eminence, Ky.	1600	WTRI	Brunswick, Md.	1520	WVZ	Charlotte Amalie, VI	1000	WYNB	Manning, S.C.	1410
WSTP	Salisbury, N.C.	1490	WTRL	Bradenton, Fla.	1490	WVZ	Newark, N.J.	620	WYNA	Baldwin, N.Y.	790
WSTQ	Sturgis, Mich.	1430	WTRN	Tyrons, PA	1340	WVZ	Logan, W.Va.	1460	WYND	Sarasota, Fla.	1280
WSTU	Stuart, Fla.	1430	WTRP	Dyersburg, Tenn.	1350	WVZ	Leone, Am. Samoa	1120	WYNE	Appieton, Wis.	1150
WSTV	Steubenville, Ohio	1340	WTRQ	LaGrange, Ga.	980	WVZ	Carolina, P.H.	1400	WYNG	Goldboro, N.C.	1300
WSTX	Christiansburg, V.I.	970	WTRS	Warsaw, N.C.	1560	WVZ	Stroudsburg, Pa.	840	WYNI	Baton Rouge, La.	1380
WSUB	Groton-New London CT	980	WTRR	Sanford, Fla.	1400	WVZ	Spencer, W. Va.	1400	WYNN	Florence, S.C.	840
WSU	Patchogue NY	1580	WTRS	Dunnellon, Fla.	920	WVZ	Vernon AL	1490	WYND	Baltimore, Md.	790
WSUH	Oxford, Miss.	1420	WTRU	Muskegon, Mich.	1680	WVZ	Somersel Pa.	980	WYND	Sarasota, Fla.	1280
WSUJ	Iowa City, Iowa	910	WTRV	Flint, Mich.	1350	WVZ	Rainsville AL	1500	WYNE	Appieton, Wis.	1150
WSUM	Parma OH	1000	WTRY	Troy, N.Y.	980	WVVV	Graiton, W.Va.	1260	WYNN	Baton Rouge, La.	1380
WSUN	St. Petersburg, Fla.	620	WTSB	Brattleboro, Vt.	1450	WVYX	Highland Park, Deertfield, IL	1430	WYNN	Florence, S.C.	840
WSUZ	Palatka, Fla.	800	WTSB	Lumberton, N.C.	1340	WVZ	Charlotte Amalie, VI	1000	WYNN	Florence, S.C.	840
WSVA	Harrisonburg, Va.	350	WTSB	Lumberton, N.C.	1340	WVZ	Lakeland, Fla.	1480	WYNS	Leighton, Pa.	1120
WSVL	Shelbyville, Ind.	1520	WTSB	Lumberton, N.C.	1340	WVZ	Cadillac, Mich.	1370	WYNX	Smyrna, Ga.	1550
WSVM	Valdese, N.C.	1480	WTSB	Lumberton, N.C.	1340	WVZ	St. Petersburg, Fla.	680	WYOK	Spertona, GA	1000
WSVS	Creve, Va.	800	WTSB	Lumberton, N.C.	1340	WVZ	St. Petersburg, Fla.	680	WYOD	Richfield MN	980
WSVG	Greenwood, MS	1540	WTSB	Lumberton, N.C.	1340	WVZ	Cocoa, Fla.	1510	WYOU	Tampa, Fla.	1550
WSWN	Belle Glade, Fla.	900	WTSB	Lumberton, N.C.	1340	WVZ	Bamberg-Denmark, S.C.	790	WYPR	Danville, Va.	970
WSWV	Pennington Gap, Va.	1570	WTSN	Dover, N.H.	1270	WVZ	Brockport, NY	1560	WYRD	E. Syracuse, NY	1540
WSWV	Plattville, Wis.	1590	WTSO	Madison, Wis.	1070	WVZ	Winder, Pa.	130	WYRE	Annapolis, Md.	810
WSYB	Rutland, Vt.	1380	WTSV	Claremont, N.H.	1230	WVZ	Vineland, N.J.	1380	WYRN	Louisburg, N.C.	1480
WSYD	Mt. Airy, N.C.	1300	WTTB	Vero Beach, Fla.	1490	WVZ	Gary, Ind.	1270	WYRU	Red Springs, N.C.	1510
WSYL	Sylvania, Ga.	1490	WTTT	Toiwanda, Pa.	1550	WVZ	Corry, Pa.	1370	WYSE	Inverness, Fla.	1560
WSYR	Syracuse, N.Y.	370	WTTI	Dalton, Ga.	1530	WVZ	Bremen, Ga.	1440	WYSH	Clinton, Tenn.	1380
WTAB	Tabor City, N.C.	1370	WTTM	Madisonville, Ky.	1310	WVZ	Clarf, Pa.	1300	WYSB	Buffalo, N.Y.	1400
WTAC	Flint, Mich.	600	WTTN	Trenton, N.J.	1360	WVZ	Medford MA	1430	WYSR	Franklin Va.	1590
WTAD	Quincy, Ill.	930	WTTN	Trenton, N.J.	1360	WVZ	Medford MA	1430	WYTH	Madison, Ga.	1250
WTAE	Pittsburg, Pa.	1250	WTTT	Amherst, Mass.	1430	WVZ	Medford MA	1430	WYTI	Rocky Mount, Va.	1570
WTAG	Worcester, Mass.	580	WTTX	Appomattox VA	1280	WVZ	Murfreesboro, N. C.	1080	WYTL	Oshkos, WI	1490
WTAL	Eau Gallie, Fla.	1560	WTUG	Tuscaloosa AL	780	WVZ	Hackensack, NJ	970	WYTV	Waythville, Va.	1490
WTAL	Tallahassee, Fla.	1450	WTUP	Tupelo, MS	1490	WVZ	Murfreesboro, N. C.	1080	WYUW	Barkerville, Ky.	950
WTAN	Clearwater, Fla.	1540	WTUU	Toledo, OH	1520	WVZ	Medford MA	1430	WYX	Athens, Tenn.	1490
WTAQ	LaGrange, Ill.	1300	WTUX	Wilmington, Del.	1290	WVZ	Clermont FL	1340	WYYS	Tomahawk WI	1470
WTAR	Norfolk, Va.	790	WTVB	Coldwater, Mich.	1590	WVZ	Nashville, Tenn.	1580	WYYZ	Jasper GA	1280
WTAW	College Station, Tex.	1150	WTVL	Waterville, Maine	610	WVZ	Erie, Pa.	1450	WZAY	Atlanta, Ga.	1480
WTAX	Springfield, Ill.	1240	WTVN	Columbus, Ohio	1490	WVZ	Sanford, N.C.	1050	WZAM	Norfolk VA	1110
WTAY	Robinson, Ill.	1570	WTVR	Richmond, Va.	1380	WVZ	Tifton, Ga.	1430	WZAP	Bristol, Va.	680
WTBC	Tuscaloosa AL	1230	WTWA	Thomson, Ga.	1290	WVZ	Huntington, W.Va.	1470	WZBN	Zion, Ill.	1500
WTBF	Troy AL	670	WTWB	Auburndale, Fla.	1570	WVZ	Baltimore, Md.	1400	WZBS	Consp PR	1480
WTBJ	Monticello, FL	1090	WTWN	St. Johnsbury, Va.	1340	WVZ	Black River Falls, Wis.	1260	WZEP	DeFunaki Spgs., Fla.	1480
WTBO	Cumberland, Md.	1450	WTYC	Rock Hill, S.C.	1310	WVZ	Canton, N.C.	970	WZIF	Cincinnati, Ohio	1050
WTBP	Parsons, Tenn.	1590	WTYL	Tylerston, Miss.	1290	WVZ	Detroit, Mich.	980	WZIX	York, Pa.	1850
WTBQ	Warwick NY	1110	WTYN	East Longmeadow, Mass.	1600	WVZ	Brookville, Fla.	1450	WZKY	Albermarle, N.C.	1580
WTGA	Plymouth, Ind.	1050	WTYS	Tyran, N.C.	1550	WVZ	Duluth, Minn.	860	WZNG	Winter Haven FL	1360
WTGB	Floston AL	990	WTZ	Marianna, Fla.	1340	WVZ	Ocala, Fla.	1570	WZOF	Fort Payne AL	1250
WTCH	Shawano, Wis.	880	WTZE	Tazewell, Va.	1470	WVZ	Fair Bluff, N.Y.	1480	WZOE	Princeton, Ill.	1490
WTCT	Tell City, Ind.	1280	WTZB	Pikeville TN	1110	WVZ	Winchester, Ga.	1380	WZOD	Asheboro, N.C.	710
WTCL	Warren, Ohio	1570	WTZA	Pikeville TN	1110	WVZ	New Orleans, La.	970	WZST	Leesburg, Fla.	1410
WTCT	Traverse City, Mich.	1400	WTZB	Pikeville TN	1110	WVZ	Corwall, N.Y.	1170	WZTU	Hurricane, WV	1680

U.S. FM ST

U.S. FM STATIONS BY LOCATION

Location	Call	MHz
Huntsville	WAHR	99.1
	WLRN	89.3
	WNDA	95.1
	WOCG	90.1
Jackson	WHOD-FM	104.9
Jacksonville	WLJS-FM	91.9
Jasper	WVWB-FM	102.5
Mobile	WKRC-FM	99.9
	WABJ	97.5
	WBLX	92.9
	WHIL-FM	91.3
	WKSJ-FM	94.9
	WLPR	96.1
Montroeville	WMFC-FM	98.5
Montgomery	WFMI	98.9
	WMOZ	103.3
	WKLH	82.3
	WHYH-FM	101.9
	WLAY-FM	105.5
Muscle Shoals	WKLD	97.7
Oneonta	WAMI-FM	102.3
Opp	WOAB	104.9
Ozark	WYDF-FM	103.9
	WEIZ	100.1
Phonix City	WELR-FM	95.3
Reanoka	WCNA-FM	98.3
Scottsboro	WTUN	100.1
Selma	WALX	100.9
Sheffield	WRCK-FM	106.3
Sylacauga	WMLB-FM	98.3
Taladega	WHSB	92.7
Thomasville	WJDB-FM	95.3
Troy	WTSU	90.1
Tuseumbia	WVNA-FM	100.3
Tusealoosa	WUAL-FM	91.7
	WUOA	95.7
	WACT-FM	105.3
	WVWG	93.9
Tuskegee	WQSI	100.9
Union Springs	WQSI	100.9
York	WSLY	99.3

ALASKA

Location	Call	MHz
Anchorage	KNIK-FM	105.5
	KKLV	103.9
	KJZZ	102.1
	KGOT	101.3
College	KUAC	104.7
Juneau	KTOD	104.3
Ketchikan	KRBD	105.9
Kodiak	KMXT	100.1

ARIZONA

Location	Call	MHz
Apache Junction	KSTM	107.1
	KSMR-FM	108.6
Bullhead City	KRHS	102.3
Bisbee	KBAB	92.1
Case Grande	KBFE	105.5
	KAXR	88.5
Flagstaff	KFLG	92.9
	KCTB-FM	93.9
	KXCT	92.3
Glendale	KIKO-FM	100.3
Globe	KZZZ	82.7
Kingman	KBAS	95.9
Lake Havasu City	KBAS	95.9
Mesa	KBUZ-FM	104.7
	KDKB-FM	93.3
Phoenix	KRFM	95.5
	KMEO-FM	98.9
	KDO-FM	94.5
	KMCR-FM	91.5
	KNIX-FM	102.5
	KBBC	98.7
	KHEP-FM	101.5
	KRPS-FM	89.5
	KEZH	98.3
Prescott	KDOT-FM	100.7
Scottsdale	KVWM-FM	93.5
Show Low	KTAN-FM	100.9
Sierra Vista	KWAO	106.3
Sun City	KUPD-FM	97.9
Tempe	KNCC	91.9
Tsalie	KUAT-FM	90.5
Tucson	KFMF	99.5
	KAIR-FM	94.9
	KCEE-FM	96.1
	KNIX-FM	102.5
	KXEW-FM	93.7
	KXWF-FM	92.9
Yuma	KALJ	95.1
	KJOK	93.1

ARKANSAS

Location	Call	MHz
Arkadelphia	KSWH	91.1
	KDEL-FM	100.9
Ashdown	KHLA	103.9
Benton	KOUM	107.1
Berryville	KAAM	107.1
Blytheville	KHLS	86.1
Brinkley	KBRI-FM	102.3
Camden	KWEH	97.1
Clarksburg	KLVR-FM	92.7
Conway	KJCA	91.3
	KHDX	89.1
	KVEE-FM	105.1
	KAGH-FM	104.9
Crossett	KWKK	102.3
Dardanelle	KDEW-FM	96.7
DeWitt	KEZJ	99.3
El Dorado	KEZJ	103.1
Fayetteville	KKEG	92.1
	KUAF	88.9
	KNWA	103.9
Forrest City	KBFC	93.5
Ft. Smith	KISR	93.7
	KMAG	94.1
	KTCS-FM	99.9
	KHOZ-FM	102.9
Harrison	KBWV-FM	98.7
Heber Springs	KCRI	103.1
Helena	KHPA	104.9
Hope	KHFA	104.9
Hot Springs	KBHS-FM	98.7
	KKJB	97.5
	KXOW-FM	106.3
	KGMR-FM	100.3
	KBTM-FM	101.9
	KARU	91.9
	KFIN	107.9
	KMYO-FM	88.7
	KARF-FM	103.7
	KLRE	90.5
	KLAZ	98.5

Location	Call	MHz
Magnolia	KEZO	94.1
	KFMV	107.9
Mammoth Spring	KAMS	95.1
Mena	KSKB	101.7
Monticello	KHBM-FM	93.5
Mountain Ho	KTLS-FM	98.3
Nashville	KNAS	105.5
Newport	KOKR	106.5
Ozola	KOSE-FM	98.5
Paragould	KHIG	104.9
Pine Bluff	KADL-FM	94.9
	KOTN-FM	92.3
	KPOC-FM	103.9
	KAMQ-FM	94.3
	KSER	99.3
	KUDQ-FM	105.7
	KGIZ	104.9
	KADQ-FM	107.1
	KOSY-FM	102.5
	KWRF-FM	105.5
	KWYN-FM	92.7

CALIFORNIA

Location	Call	MHz
Alameda	KJAZ	92.7
Anaheim	KEZY-FM	98.9
Angwin	KANG	102.3
Apple Valley	KAYV-FM	102.3
Artesia	KMAX	107.1
Arcata	KXGO	95.5
	KAMS	91.5
	KHSU-FM	90.5
	KAFI	101.1
Auburn	KBIG-FM	104.3
Avalon	KLVO-FM	94.3
Bakersfield	KBBY	107.9
	KQFM	101.5
	KHIS	98.5
	KZIN-FM	107.9
	KWTC-FM	94.3
	KPFA	94.1
	KALA	92.7
	KPFB	89.3
	KRE-FM	102.9
	KTOT-FM	101.7
	KIQO-FM	100.7
	KYOR-FM	100.3
	KBPX	90.1
	KEWE	93.9
	KKOS	95.9
	KLRB	101.7
	KWXY-FM	103.1
	KCBM	93.7
	KPAY-FM	91.1
	KSPC	80.7
	KVIM	93.7
	KJLH	102.3
	KKUP	91.9
	KVHS	91.1
	KVXJ	94.3
	KDYS	91.5
	KDNO	98.5
	KPLN	107.1
	KLTA	98.9
	KECR	99.3
	KXD-FM	107.5
	KEGL-FM	90.1
	KOWN-FM	92.1
	KFMI	96.3
	KFMF	104.9
	KOHL	80.3
	KFRY	101.9
	KKJL	105.9
	KFIG	101.1
	KFCF	88.1
	KFYE	93.7
	KKNU	102.7
	KMI-FM	97.9
	KPHD	95.5
	KYNO-FM	95.5
	KORJ	94.3
	KFAT	94.3
	KUTE	101.9
	KKYS	107.5
	KIOY	103.7
	KHSJ-FM	105.5
	KHIP	93.5
	KAGB-FM	103.9
	KUCI	89.9
	KNGT	94.3
	KUNF	88.9
	KOTE	106.3
	KKIQ	101.7
	KWVI	97.7
	KCVR Radio	
	KLOM-FM	92.7
	KLON	88.1
	KNOB	97.9
	KPEN	97.7
	KKOP	90.1
	KPJC	89.7
	KPEN	92.7
	KLOS	95.5
	KBCA	105.1
	KFSQ	98.3
	KFAC-FM	91.3
	KIQQ	100.3
	KBBS-FM	97.1
	KRTH	101.1
	KJOI	98.7
	KIIS-FM	102.7
	KMET	94.7
	KNX-FM	85.1
	KOST	103.5
	KPFK	90.7
	KPOL-FM	93.9
	KLVE	107.5
	KWST	105.9
	KXLU	88.9
	KBIG	104.3
	KHOV	99.5
	KLBS-FM	95.9
	KRVE	95.5
	KUJL	92.3
	KMMT	106.3
	KKHS	90.3
	KRFD	99.9
	KMFB-FM	92.7
	KBDR	89.1
	KMYT	97.5
	KBRR	96.5
	KBSB	103.3
	KBHI-FM	89.9
	KDHS	104.1
	KHOP	90.5

Location	Call	MHz
Mojave	KDOL-FM	97.9
Monterey	KWAY	
Monte Rio	KRJB	97.7
Moraga	KSMC	89.5
Mountain View	KSFH	90.5
Mount Shasta	KEDY	95.3
Newport Beach	KOCM	105.1
Northridge	KCSN	89.5
Oceanside	KUDE-FM	102.1
Ontario	KSOM-FM	93.5
Ojai	KOVA	105.5
Oxnard	KPMJ	104.7
	KDAR	98.3
Pacific Grove	KOCP	104.9
Palm Springs	KDES-FM	104.7
Pasadena	KPCS	89.3
	KROQM	108.7
	KPRA	94.3
	KOSO	93.1
	KPRA	94.3
	KPGI	95.3
	KIOO	98.7
	KVIP-FM	98.1
	KKOP	93.5
	KCAL-FM	98.7
	KUOR-FM	89.1
	KLOA-FM	105.5
	KRVN	89.9
	KBBL	99.1
	KHNY-FM	92.7
	KDUO	97.5
	KLLU	89.7
	KPIP	93.5
	KCTC	96.1
	KERS	90.7
	KFBB	92.5
	KEBR	100.5
	KEWT	105.1
	KWOD	108.5
	KROI	96.9
	KXOA	107.9
	KZAP	98.5
	KVYN	101.7
	KBEZ	102.5
	KCTY-FM	103.9
	KWYT-FM	100.7
	KAUG	90.9

Location	Call	MHz
Paso Robles	KPRA	94.3
Patterson	KOSO	93.1
Paso Robles	KPRA	94.3
Plano Beach	KPGI	95.3
Porterville	KIOO	98.7
Redding	KVIP-FM	98.1
Redondo Beach	KKOP	93.5
Redlands	KCAL-FM	98.7
Ridgecrest	KLOA-FM	105.5
Rio Vista	KRVN	89.9
Riverside	KBBL	99.1
	KHNY-FM	92.7
	KDUO	97.5
	KLLU	89.7
	KPIP	93.5
	KCTC	96.1
	KERS	90.7
	KFBB	92.5
	KEBR	100.5
	KEWT	105.1
	KWOD	108.5
	KROI	96.9
	KXOA	107.9
	KZAP	98.5
	KVYN	101.7
	KBEZ	102.5

Location	Call	MHz
Salt Lake	KWYT-FM	100.7
Salinas	KAUG	90.9
	KRSA-FM	100.7
	KVCP	91.9
San Bernardino	KOLA	99.9
	KQLH	95.1
	KAPX	107.9
San Clemente	KFMB-FM	100.7
San Diego	KFMB-FM	100.7
	KFSO-FM	91.1
	KITT	105.3
	KGB-FM	101.5
	KDIG	98.1
	KLRO	94.9
	KOZN-FM	103.7
	KEZL	102.9
	KPII	106.5
	KPBS-FM	89.5
	KSDS	88.3
	KSON-FM	97.3
	KVXY	96.5
	KYFM	94.3

Location	Call	MHz
San Fernando	KYFM	94.3
San Francisco	KALW	91.7
	KCBS-FM	98.9
	KDFC	102.1
	KEAR	97.3
	KFOG	104.5
	KFRC-FM	106.1
	KIOI	101.3
	KNAI-FM	99.7
	KMPX	106.9
	KPOD	89.5
	KQED	98.5
	KRON-FM	96.5
	KSAN	94.9
	KSFX	103.7
	KUSF	90.3
	KABL-FM	98.1
	KKHI-FM	95.7
	KYA-FM	93.3
	KSJO	92.3
	KBAY	100.5
	KEZR	106.5
	KOME	98.5

Location	Call	MHz
San Jose	KSJS	90.7
	KUNA	96.1
	KOPR	91.3
	KCBX	90.1
	KZOO	93.3

Location	Call	MHz
San Luis Obispo	KCSM	91.1
	KSQL	107.9
San Mateo	KTIM-FM	100.9
San Rafael	KWIZ-FM	96.7
Santa Ana	KVMS	106.3
Santa Barbara	KCSB-FM	91.8
	KDB-FM	93.7
	KTYD	99.9
	KRUZ	103.3
	KTMS-FM	97.5

Location	Call	MHz
Santa Clara	KARA	105.7
Santa Cruz	KSCO-FM	99.1
	KUSP	89.9
	KZSC	88.1
	KXFM	99.1
	KSMA-FM	102.5
	KCRW	89.9
	KSRF	103.1
	KAAF-FM	96.7
	KZST	100.1
	KBBF	89.1
	KVRE-FM	91.5
	KZEN	107.1
	KROG	90.7
	KTHO	103.1
	KRTT	100.1

Location	Call	MHz
San Jose		

U.S. FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Franklin	WMEF	97.3		KDMI	97.3	Frankfort	WKYW	104.9	Springhill	KTCK	92.7
	WXKE-FM	103.9		KLYF	100.3	Fulton	WFUL-FM	98.7	Thibodaux	KTIB-FM	108.3
	WFCI	89.8		KGGO	94.9	Georgetown	WAXU-FM	103.1		KVFG	91.8
	WFIN	95.9		KRNO	102.5	Giasgow	WGGC	96.1	Ville Platte	KVPI-FM	93.5
	WBCL	90.3		KIOA-FM	93.3		WVDV	108.8	W. Monroe	KYE	98.3
	WILQ-FM	98.7		KMGK	93.3	Grayson	WGOH-FM	102.3	Winfield	KVCL-FM	92.1
Frankfort	WVE	88.7		WRMD	106.3		WKC	94.5	Winnaboro	KCRF-FM	98.9
Gary	WDHS	89.9	Dubuque	WDBQ-FM	106.3		WHIG-FM	94.3			
Gaston	WGOS	91.1		KRMD	98.9	Hardinsburg	WHBN-FM	99.3			
Goshen	WGW	97.7	Estherville	KILR-FM	95.9	Harrodsburg	WLLB-FM	106.3			
	WGRE	91.7	Fairfield	KBCT	95.9	Hartford	WSSS	101.5			
Greencastle	WXTA	94.3	Ft. Dodge	KTGA	92.1	Hazard	WKDQ	99.5			
	WSMJ	99.8		KICB	88.1	Henderson	WHKC	103.1			
Greenfield	WTRE-FM	107.3	Fort Madison	KXGI-FM	101.7		WLCB-FM	106.3			
Greensburg	WYCA	92.3	Grinnell	KDIC	88.5	Hindman	WHDP-FM	98.7			
Hammond	WHHC	104.7	Hampton	KHBT	97.7	Hopkinsville	WKOF	100.3			
Hartford City	WBDC	100.9	Humboldt	KSUI	91.7		WJRS-FM	103.1			
Howe	WVSH	91.9	Independence	KRNA	93.5	Jamestown	WREM-FM	94.3			
Huntingburg	WHLT-FM	103.1	Iowa City	KICG	100.7	Jenkins	WMTL-FM	104.9			
Huntington	WJAJ	104.5		KIFG-FM	95.3	Leitchfield	WLBK	91.3			
	WBDG	90.9	Iowa Falls	KIMI	95.3	Lexington	WLP-FM	94.5			
	WJEL	89.1	Keokuk	KRIS	92.1		WYKQ	95.1			
	WEDM	91.1	Knoxville	KTAV	92.1	London	WYLF-FM	92.9			
	WIZW	98.7		KLEM-FM	99.5	Louisville	WFTG-FM	103.9			
	WFBQ	94.7	LeMars	KMAQ-FM	95.3		WFPK	91.9			
	WFMS	95.5	Maquoketa	KFJB-FM	101.1		WFPL	89.3			
	WXTZ	103.3	Marshalltown	KLSS	108.1		WFA-FM	103.9			
	WIAN	90.1	Mason City	KTLJ	104.3		WVNS	97.5			
	WNAP	93.1	Mount Pleasant	KRNLFM	89.7		WVLE	99.7			
	WTLC-FM	105.7	Mt. Vernon	KFMH	99.7		WYKQ	95.3			
	WITZ-FM	104.7	Muscatine	KLVN	95.9		WYVK-FM	92.9			
Jasper	WQHI	95.7	Newton	KOEL-FM	92.3		WYR-FM	91.9			
Jeffersonville	WAWK-FM	93.8	Odewell	KBOE-FM	104.9		WZLW	103.7			
Kendallville	WKVI-FM	99.3	Oskaloosa	KIGC	88.7		WYR-FM	99.9			
Knox	WKKI	100.5		KLEE-FM	97.7		WYX-FM	93.3			
Kokomo	WKMO	93.5	Ottumwa	KYUI	84.1		WYX-FM	99.9			
	WASK-FM	105.3	Pella	KPLL	103.3		WYX-FM	99.9			
	WAZV-FM	96.5		KDLS-FM	104.9		WYX-FM	99.9			
	WJIE	91.9		KIWA-FM	105.5		WYX-FM	99.9			
	WXUS	92.7	Perry	KDCR	91.3		WYX-FM	99.9			
	WLOI-FM	96.7	Sheldon	KVDB-FM	94.3		WYX-FM	99.9			
La Porte	WNON	100.9	Sloux Center	KSEZ	97.9		WYX-FM	99.9			
Lebanon	WBSA-FM	83.5	Sloux City	KBCT	97.9		WYX-FM	99.9			
Linton	WSAL-FM	102.9		KTFC	103.3		WYX-FM	99.9			
Logansport	WLCL-FM	107.1		KICD-FM	107.7		WYX-FM	99.9			
Madison	WRR-FM	108.7		KAYL-FM	101.5		WYX-FM	99.9			
Marion	WMRI	106.9		KTLB-FM	105.5		WYX-FM	99.9			
Martinsville	WCBK-FM	102.3		KCLJ-FM	95.3		WYX-FM	99.9			
Michigan City	WMCB-FM	95.9		KNWS-FM	101.9		WYX-FM	99.9			
Monticello	WVTL	95.3		KXEL-FM	105.7		WYX-FM	99.9			
Muncie	WLBC-FM	104.1		KNEI-FM	103.9		WYX-FM	99.9			
	WVHI	91.5		KWAR	89.1		WYX-FM	99.9			
	WNAS	88.1		KWAC-FM	99.3		WYX-FM	99.9			
New Albany	WMDH	102.5		KQWC-FM	95.9		WYX-FM	99.9			
New Castle	WBKE-FM	89.5		KWDM	88.9		WYX-FM	99.9			
N. Manchester	WCHC-FM	108.1					WYX-FM	99.9			
North Vernon	WSND-FM	86.9					WYX-FM	99.9			
Notre Dame	WYAK-FM	95.3					WYX-FM	99.9			
Paoli	WEEM	81.7					WYX-FM	99.9			
Pendleton	WARU-FM	98.3					WYX-FM	99.9			
Peru	WART	98.3					WYX-FM	99.9			
Plainfield	WTKA-FM	94.3					WYX-FM	99.9			
Plymouth	WPGW-FM	100.9					WYX-FM	99.9			
Portland	WRAY-FM	98.1					WYX-FM	99.9			
Princeton	WJKC	97.7					WYX-FM	99.9			
Rensselaer	WDLK	95.1					WYX-FM	99.9			
Richmond	WECI	91.5					WYX-FM	99.9			
	WKBV-FM	101.3					WYX-FM	99.9			
	WROI	92.1					WYX-FM	99.9			
	WRCR	94.3					WYX-FM	99.9			
	WSLM-FM	98.9					WYX-FM	99.9			
	WMPF	100.9					WYX-FM	99.9			
	WJUD	93.7					WYX-FM	99.9			
	WSVL-FM	97.1					WYX-FM	99.9			
	WETL	91.9					WYX-FM	99.9			
	WHME	103.1					WYX-FM	99.9			
	WNDF-FM	102.9					WYX-FM	99.9			
	WRRB	93.9					WYX-FM	99.9			
	WSBT-FM	101.5					WYX-FM	99.9			
	WTHI-FM	99.9					WYX-FM	99.9			
Terre Haute	WBOQ	107.5					WYX-FM	99.9			
	WBOV	107.5					WYX-FM	99.9			
	WPRF	102.7					WYX-FM	99.9			
	WVTS	100.7					WYX-FM	99.9			
	WISU	89.7					WYX-FM	99.9			
	WKUZ	95.9					WYX-FM	99.9			
Wabash	WHFG	91.1					WYX-FM	99.9			
	WRSW-FM	107.3					WYX-FM	99.9			
	WFML	106.5					WYX-FM	99.9			
	WVVR	105.5					WYX-FM	99.9			
	WLJE	105.3					WYX-FM	99.9			
	WVUR	89.5					WYX-FM	99.9			
	WMGH	95.9					WYX-FM	99.9			
	WAOV-FM	96.7					WYX-FM	99.9			
	WVUB	91.1					WYX-FM	99.9			
Winchester	WIUC	98.3					WYX-FM	99.9			
	KLGA-FM	92.7					WYX-FM	99.9			
	KCCQ	107.1					WYX-FM	99.9			
	WOLF-FM	90.1					WYX-FM	99.9			
	KLFM	104.1					WYX-FM	99.9			
	KPGY	91.9					WYX-FM	99.9			
Atlanta	KJAN-FM	103.7					WYX-FM	99.9			
Atlanta	KJAN-FM	103.7					WYX-FM	99.9			
Boone	KFGD-FM	89.3					WYX-FM	99.9			
	KBWB-FM	98.3					WYX-FM	99.9			
	KBUR-FM	107.3					WYX-FM	99.9			
	KGRS	107.3					WYX-FM	99.9			
	KCIM-FM	93.7					WYX-FM	99.9			
	KHKE	88.1					WYX-FM	99.9			
	KUNI	90.9					WYX-FM	99.9			
Cedar Rapids	KHAK-FM	98.1					WYX-FM	99.9			
	KCOE-FM	80.9					WYX-FM	99.9			
	KCCF-FM	107.3					WYX-FM	99.9			
	KWNR	88.9					WYX-FM	99.9			
	WMT-FM	96.5					WYX-FM	99.9			
	KQCR	102.9					WYX-FM	99.9			
	KTOF	104.5					WYX-FM	99.9			
	KCOG-FM	98.7					WYX-FM	99.9			
Centerville	KCHA-FM	104.9					WYX-FM	99.9			
Charles City	KCHE-FM	102.3					WYX-FM	99.9			
Cherokee	KRIT	98.9					WYX-FM	99.9			
Charlton	KSAY	96.1					WYX-FM	99.9			
CClinton	KCLN-FM	97.7					WYX-FM	99.9			
	KQKQ-FM	98.5					WYX-FM	99.9			
	KITR	101.7					WYX-FM	99.9			
	KIKI	103.7					WYX-FM	99.9			
	KLA	90.1					WYX-FM	99.9			
	KNWT-FM	106.5					WYX-FM	99.9			
	KDSN-FM	107.1					WYX-FM	99.9			
Denison	KDPS	88.1					WYX-FM	99.9			
Des Moines							WYX-FM	99.9			
	KDMI	97.3					WYX-FM	99.9			
	KLYF	100.3					WYX-FM	99.9			
	KGGO	94.9					WYX-FM	99.9			
	KRNO	102.5					WYX-FM	99.9			
	KIOA-FM	93.3					WYX-FM	99.9			
	KMGK	93.3					WYX-FM	99.9			
	WRMD	106.3					WYX-FM	99.9			
	KRMD	98.9					WYX-FM	99.9			
	KILR-FM	95.9					WYX-FM	99.9			
	KBCT	95.9					WYX-FM	99.9			
	KTGA	92.1					WYX-FM	99.9			
	KICB	88.1					WYX-FM	99.9			
	KXGI-FM	101.7					WYX-FM	99.9			
	KDIC	88.5					WYX-FM	99.9			
	KHBT	97.7					WYX-FM	99.9			
	KOUR-FM	95.3					WYX-FM	99.9			
	KSUI	91.7					WYX-FM	99.9			
	KRNA	93.5					WYX-FM	99.9			
	KICG	100.7					WYX-FM	99.9			
	KIFG-FM	95.3					WYX-FM	99.9			
	KIMI	95.3					WYX-FM	99.9			
	KRIS	92.1					WYX-FM	99.9			
	KTAV	92.1					W				

U.S. FM STATIONS BY LOCATION

Location	Call	MHz
Franklin	WGAO	91.3
Gloucester	WYCA-FM	104.9
Greenfield	WHAI-FM	98.3
Haverhill	WHAV-FM	92.5
Holyoke	WCCH	98.5
Hyannis	WCOD	106.1
Lawrence	WCCM-FM	98.5
Lowell	WSSH	98.5
	WLTI	91.5
Lynn	WLYN-FM	101.7
Wayland	WAVM	91.7
Medford	WWEL-FM	107.9
	WMFO	91.5
Milton	WMLN-FM	91.5
New Bedford	WJDF-FM	97.3
	WMTS	98.1
Newbury	WQLI	88.7
Newton	WZBC	90.3
N. Adams	WMMN-FM	100.1
	WJJW	89.5
N. Andover	WMCM	90.5
Northampton	WHMP-FM	90.3
North Dartmouth	WUSM	90.3
Orleans	WVLC-FM	104.7
Pittsfield	WQRB	105.5
	WGRG-FM	95.9
	WBRK-FM	101.7
	WJLN-FM	99.1
Plymouth	WFRS	91.5
Rockland	WFRS	91.5
Salem	WMWV	91.7
Sandwich	WSDH	91.7
Sheffield	WBSL	91.7
Southbridge	WESO-FM	100.1
South Hadley	WMHC	90.7
Springfield	WHYN-FM	93.1
	WMAS-FM	94.7
	WAIC	91.9
	WYQJ	102.1
	WSCB	88.9
	WTRZ	89.1
	WTCC	90.7
Stoughton	WCWL	91.9
Taunton	WRLM	93.3
Tisbury	WVOI-FM	95.9
Walpole	WVWA	91.5
Waltham	WBRB	91.7
	WCRB	102.5
W. Yarmouth	WOCB-FM	94.9
Wellesley	WZLY	91.5
Westfield	WCKV	91.5
Weston	WRSS	88.3
Williamstown	WCFM	91.9
Winchester	WHSR-FM	91.9
Worcester	WAFF	107.3
	WICN	90.5
	WSRS	96.1
	WCUV	91.3

MICHIGAN

Adrian	WLEN	103.9
	WABJ-FM	95.3
	WVAC	88.1
Albion	WUFN	96.7
Allendale	WBRX	98.5
Alma	WFCY-FM	104.9
Alpena	WHBS	107.7
	WATZ-FM	93.5
Ann Arbor	WCBN	89.5
	WQUB	91.7
	WPAG-FM	107.1
Auburn Heights	WAHS	89.5
Bad Axe	WLEW-FM	92.1
Battle Creek	WKFR-FM	103.3
	WDPP	95.3
Bay City	WHNN	98.1
	WCHW-FM	91.3
	WGER-FM	102.5
Benton Hrbr.	WHFB-FM	99.9
Berrien Springs	WAUS	90.9
Big Rapids	WBRN-FM	100.9
Birmingham	WMJC	94.7
Bloomfield Hills	WBFH	98.1
Cadillac	WWTW-FM	92.9
	WITW	98.7
Care	WKYO-FM	104.9
Charlotte	WCER-FM	92.7
Cheboygan	WCBY-FM	105.1
Clare	WCRM-FM	95.3
Coldwater	WANG	98.5
Dearborn	WNIC-FM	100.3
Detroit	WDET-FM	101.9
	WDFG	98.7
	WJZZ	105.9
	WABX	99.5
	WOOE-FM	93.1
	WDRQ	93.1
	WDTR	90.9
	WCPR	107.5
	WLDW	95.5
	WМУЗ	103.5
	WMZK	97.9
	WJR-FM	98.3
	WOMC	104.3
	WORS-FM	105.1
	WWJ-FM	97.1
	WVVV	106.7
	WRIF	101.1
Dowagiac	WCAR-FM	92.3
E. Lansing	WDOW-FM	97.9
	WKAQ-FM	90.5
	WFMK	98.1
	WVIC-FM	94.9
Flint	WFBE	95.1
	WGMZ-FM	107.9
	WCKK	105.5
Fremont	WSHN-FM	100.1
Gaylord	WWRM	100.7
Grand Haven	WGHM-FM	92.1
Grand Rapids	WFUR-FM	102.9
	WCSG	91.3
	WGRD-FM	97.9
	WJFM	93.7
	WLAJ-FM	96.9
	WYON	101.3
	WOOD-FM	105.7
	WVGR	104.1
	WXGR	96.7
	WZZM-FM	95.7
	WPLB-FM	107.3
	WMLL-FM	93.3
	WKCM	92.1
Hastings	WBCH-FM	100.1
Highland Park	WHPR	88.1

Location	Call	MHz
Hillsdale	WCSR-FM	92.1
Holland	WJBL-FM	94.5
	WHTC-FM	98.1
Houghton	WGLL-FM	91.1
Houghton Lake	WJGS	98.5
Interlochen	WIAA	88.3
Iron Mountain	WJNR-FM	103.9
Ironwood	WJNS	99.7
Ishpeming	WJPD-FM	92.3
	WMQT	107.1
Jackson	WHFI	94.1
	WJOX-FM	106.1
Kalamazoo	WMUK	102.1
	WIDR	89.1
	WCAA	89.9
	WQLR	106.3
Lansing	WJIM-FM	97.5
	WILS-FM	101.7
	WITL-FM	100.7
	WTHM-FM	103.1
Lapeer	WRBK	97.7
Ludington	WKLA-FM	106.3
Maristea	WRK	97.7
Marquette	WNMU-FM	90.1
	WHWL	95.7
	WUUN	100.1
Marshall	WELL-FM	104.9
Midland	WSVC	99.7
	WRDI	96.3
Monroe	WQAO	89.3
Mount Clemens	WBRB-FM	106.7
Mt. Pleasant	WCMU-FM	89.5
	WCEN-FM	94.5
	WMHW-FM	91.5
	WQXQ	89.3
Munising	WMUS-FM	108.9
Muskegon	WQWF	104.3
	WKJR-FM	101.7
	WNIL-FM	95.3
	WVOI	89.5
	WOPR	90.3
	WOCR	89.7
	WBDL	89.3
	WOAP	103.8
	WJML-FM	98.9
	WMBM-FM	96.7
	WSDP	89.3
	WSAQ	107.1
	WSGR-FM	91.3
	WORW	91.9
	WQAK	96.3
	WQCC	98.1
	WIDG	106.3
	WVWS	107.1
	WRBJ-FM	92.1
	WIRX	107.1
	WMIC-FM	97.5
	WSNM	95.3
	WSHJ	88.3
	WSAE	89.3
	WSTR-FM	99.3
	WDBI-FM	101.7
	WVKM-FM	95.9
	WLDK	101.9
	WCCW-FM	92.1
	WTCM-FM	103.5
	WTSK	88.1
	WPHS	91.5
	WLRO	95.3
	WEMU	88.1
	WZND	99.3

MINNESOTA

Albert Lea	WCPI	95.3
Alexandria	KXRA-FM	92.7
	KCMT-FM	100.7
Atkins	KEZZ	94.5
Austin	KAUS-FM	99.9
	KEQD	90.7
Anoka	KTWN	107.9
Bemidji	KBSB-FM	91.9
	KBHF	101.1
Benson	KBMO-FM	100.9
Blue Earth	KBWF-FM	100.9
Brainerd	KLIZ-FM	95.7
Breekenridge	KKWB	104.9
Cambridge	KABG	105.5
Clouet	WKLK-FM	100.9
Collegeville	KSLR-FM	97.5
Crookston	KCUM-FM	91.7
Detroit Lakes	KVLR	95.3
Duluth	KUMD-FM	89.1
	WAKX-FM	98.9
	WSCD-FM	92.9
	KAON-FM	94.9
	WDTM	103.3
	WGGK	105.1
E. Grand Forks	KRAD-FM	103.9
Fergus Falls	KDHL-FM	95.9
Fossil	KBRF-FM	103.3
Golden Valley	KEHQ-FM	107.1
Grand Rapids	KQRS-FM	92.5
	KXGR	98.7
	KAXE-FM	91.7
	WMFG-FM	106.3
Hibbing	KDUZ-FM	107.1
Hutchinson	KICC	91.5
International Falls	KLFD-FM	95.3
Litchfield	KQAD	99.7
Lyerne	KMSU	90.5
Mankato	KEYC-FM	99.1
	KYSM-FM	103.5
	KMHL-FM	100.1
Marshall	KBEM-FM	88.5
Minneapolis-St. Paul	WCCO-FM	102.9
	WCTS-FM	100.7
	KSTP-FM	94.5
	KEEY-FM	102.1
	KTIS-FM	98.5
	WLDF-FM	98.5
	KNOF	95.3
	KTCR-FM	97.1
	WAYL	98.7
	KDIA	91.1
Moorhead	KCCM-FM	91.1
	KQW9-FM	98.7
	KUMN	89.7
	KMRS-FM	107.5
	KNUJ-FM	93.1
	WCAL-FM	89.3
	KRLX	90.3
	KRFQ-FM	104.9
	KPRM-FM	97.5

Pipestone	KLOH-FM	98.7
	KRSW-FM	91.7
Preston	KFIL-FM	103.1
Princeton	WQPM	106.9
Red Wing	KCUE-FM	105.5
Redwood Falls	KLGR-FM	97.7
Richfield	WYOO-FM	101.3
Rochester	KROC-FM	106.9
	KNCV	101.7
	KRKP	89.9
	KNXR	97.1
	KOLM-FM	96.7
	KLSE-FM	91.7
Rushford	KCLD-FM	104.7
St. Cloud	WWJO	98.1
St. Louis Park	KFMX	104.1
St. Peter	KRBI-FM	105.3
Sauk Centre	KMSR	94.5
Sauk Rapids	WHMH-FM	101.7
Thief River Falls	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
Worthington	KWOA-FM	95.1

MISSISSIPPI

Aberdeen	WHAY	105.5
Amory	WAFM	95.3
Bay Springs	WXIY	93.5
Biloxi	WQID	93.7
Booneville	WBIF-FM	99.3
Brandon	WRFB	97.7
Brookhaven	WMRQ	92.7
Canton	WWLM	101.7
Clarksdale	WJBI	101.7
Cleveland	WPXI	92.7
Clinton	WCLD-FM	103.9
Coldwater	WJHT	93.5
Columbia	WVIM-FM	96.7
Columbus	WFFF-FM	96.7
	WJWF	103.1
	WLNK	90.9
	WALP	90.5
Corinth	WKCU-FM	94.3
	WADI	95.3
	WDRU	95.3
Drew	WBIB	102.3
Ellisville	WFTA	101.7
Fulton	WFTT	92.5
Forest	WBAQ	97.9
Greenville	WDBS	100.7
	WSWG-FM	98.1
Greenwood	WRIL	100.1
Grenada	WROA-FM	100.1
Guilford	WTAM	102.3
Hattiesburg	WHYS-FM	104.5
	WHER	103.7
	WMSU	91.1
Hazelhurst	WMDK-FM	100.9
Holly Springs	WKRH-FM	92.7
Houston	WCPA-FM	93.3
Indianola	WALA	96.3
Iuka	WTIB	104.9
Jackson	WZZQ	102.9
	WVLS	91.5
	WLIN	95.5
	WKXI	94.7
	WQWJ	90.7
	WJMI	99.7
	WJFR	98.3
Kosciusko	WKOZ-FM	105.1
Laurel	WNSL-FM	100.3
Leland	WBAD	94.3
Louisville	WLSM-FM	107.1
Magee	WSJC-FM	105.5
McComb	WCCA	94.1
	WTBI	105.7
Meridian	WDAL-FM	101.3
Mississippi State	WALT	97.1
Moss Point	WMSB	89.1
Natchez	WCIS-FM	104.9
Natchez	WQNX	95.1
New Albany	WNAU-FM	103.3
Newton	WGOT	106.3
Ocean Springs	WOSM	103.1
Oxford	WOCR	97.5
Pascagoula	WPJO	106.3
Picayune	WPMO	99.1
Poplarville	WJOK	106.3
Pontotoc	WRPM-FM	107.9
Rolla	WSEL-FM	96.7
	KMNR	89.7
Senatobia	WNJC	90.1
Starkville	WSMU-FM	106.3
Tishomingo	WTO	88.9
Tupelo	WELF-FM	95.3
Tylertown	WTYL-FM	97.9
Vicksburg	WQMV	98.7
	WKYV-FM	106.7
Waynesboro	WABO-FM	105.5
Watson	WVCL	91.1
West Point	WKBB	96.7
Winona	WONA-FM	96.7
Yazoo City	WJNS-FM	92.1

MISSOURI

Aurora	KSWM-FM	100.1
Boilvar	KLTE	106.3
Boonville	KWRT-FM	99.3
Bowling Green	KPCR-FM	100.9
Branson	KIRK-FM	106.3
Buttalo	KBFL	90.3
Butler	KBDE	105.5
Canton	KQCA	102.3
Cape Girardeau	KGMO-FM	100.7
	KFMP	102.9
	KRCU	90.9
Carrlliton	KAOL-FM	101.1
Carthage	KRGK	104.9
Caruthersville	KRVV	103.1
Clayton	KFUO-FM	99.1
	KHRU	88.1
	KWUR	90.3
Clinton	KDKD-FM	95.3
Columbia	KWVC-FM	96.3
	KBIA	91.3

Location	Call	MHz
	KFOU	88.1
	KFMZ	98.3
	KTGR-FM	96.7
	KOPN	89.5
	KSHE	94.7
	KDEX-FM	102.3
	KOEA	97.7
Crestwood		
Dexter	KESM-FM	107.1
Doniphan	KCFV	89.5
El Dorado Springs	KGFJ	97.1
	KKCA	97.7
Ferguson	KRFG	93.5
Florissant	KGRC	92.9
Fulton	KHEE	100.7
Greenfield	KHKA	88.9
Hannibal	KSCM-FM	99.3
Harrisonville	KWFF	106.9
Hillsboro	KLUM-FM	98.9
Holtton	KJMO	100.1

U.S. FM STATIONS BY LOCATION

Table with columns: Location, Call, MHz. Includes stations like KHAT 106.3, KLIN-FM 107.3, KRNU 90.3, KUCV 91.3, etc.

NEVADA

Table with columns: Location, Call, MHz. Includes stations like KKBC 97.3, KNIS 94.7, KVLV-FM 99.3, etc.

NEW HAMPSHIRE

Table with columns: Location, Call, MHz. Includes stations like WXLQ 103.7, WECM 106.1, WKXL-FM 102.3, etc.

NEW JERSEY

Table with columns: Location, Call, MHz. Includes stations like WJLK-FM 94.3, WFPG-FM 96.9, WMGM 103.7, etc.

NEW MEXICO

Table with columns: Location, Call, MHz. Includes station KOTO 105.5.

Table with columns: Location, Call, MHz. Includes stations like KXXI 94.3, KANW 89.1, KMVY 95.5, etc.

NEW YORK

Table with columns: Location, Call, MHz. Includes stations like WAMG 90.3, WQNA 107.7, WHRL 103.1, etc.

Table with columns: Location, Call, MHz. Includes stations like WVOX-FM 93.5, WPLJ 95.5, WBAI 99.5, etc.

NORTH CAROLINA

Table with columns: Location, Call, MHz. Includes stations like WRCS-FM 99.3, WABZ-FM 100.9, WCSE 92.8, etc.

Table with columns: Location, Call, MHz. Includes stations like WGNC-FM 101.9, WEOB 86.9, WOKN 102.3, etc.

NORTH DAKOTA

Table with columns: Location, Call, MHz. Includes stations like KEVA 88.5, KFYY-FM 92.9, KQD 94.5, etc.

OHIO

Table with columns: Location, Call, MHz. Includes stations like WAEZ 97.5, WAPS 89.1, WAUP 89.1, etc.

U.S. FM STATIONS BY LOCATION

Table with columns: Location, Call, MHz, Location, Call, MHz, Location, Call, MHz, Location, Call, MHz. Contains station lists for Tennessee, Utah, Vermont, Virginia, Texas, and Washington.

U.S. FM STATIONS BY LOCATION

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
	KICN	98.9		WTRF	107.5		WBCS	102.9	WYOMING		
	KSFC	91.1	WISCONSIN				WAWA-FM	102.1	Casper	KAWY	94.5
	RXLY-FM	99.9	Appleton	WLFM	91.1		WQFM	93.3	Cheyenne	KVWO-FM	108.3
	KHO-FM	98.1	Ashland	WAPL-FM	105.7		WKTI	94.5		KBFC-FM	97.9
Sunnyside	KREW-FM	96.7	Baraboo	WATW-FM	95.9		WVVC	107.7		KYDZ	90.1
Tacoma	KPEC-FM	90.9	Beaver Dam	WLVE	94.9	Clinton	WVMS	98.9		KOLL-FM	96.9
	KLAY-FM	106.1	Beloit	WBEV-FM	95.3	Monroe	WMDF	89.9		KMNT	96.9
	KPLU-FM	88.5	Berlin	WBCS-FM	95.1	Neenah-Menasha	WWMH	95.9		KDLY	97.5
	KNBQ	97.3	Brule	WISS	102.3	Neilville	WEKF-FM	93.7	Laramie	KUWR	91.5
	KTOY	91.7	Burlington	WWSA	89.9	New London	WROE	94.3		KIOZ	102.9
Toppenish	KENE-FM	92.7	Chillico	WBSD	89.1	Oconto	WCCN-FM	107.5	Riverton	KWC	88.1
Walla Walla	KWCW	90.5	Chippewa Falls	WPNE-FM	89.3	Ooshkosh	WIXK-FM	95.9	GUAM		
Wenatchee	KPQ-FM	102.1	Colfax	WCFW	105.5	Park Falls	WOCO-FM	107.1	PUERTO RICO		
Yakima	KIAM-FM	104.9	Dodgeville	WHWC	88.3	Platteville	WPKC	96.7	Agua	KUAM-FM	93.9
	KUTI-FM	104.1	Durand	WHAD	90.7	Portage	WRST-FM	90.3		KSTO	95.5
	KIT-FM	94.5	Eagle River	WDMF-FM	95.9	Port Washington	WOSH	103.9			
			Eau Claire	WERL-FM	94.3	Prairie du Chien	WYTL	103.9			
			Fond du Lac	WIAL	94.1	Racine	WNB1-FM	96.3			
			Fort Atkinson	WBIZ-FM	100.7	Reedsburg	WSDP	90.5			
			Green Bay	WEAU-FM	104.5	Rhinelander	WSWW-FM	99.3			
				WJEC	89.7	Rice Lake	WPRD-FM	100.1			
				WJUN	107.1	Richland Center	WGLB-FM	100.1			
				WFAW-FM	107.3	Ripon	WPRE-FM	94.3			
				WIXX	101.1	Sauk City	WRKR-FM	102.7			
				WGBP-FM	90.1	Shawano	WFNY	92.1			
				WQB	91.5	Sheboygan	WRDB-FM	104.9			
				WQB	91.5	Sturgeon Bay	WRHN	107.9			
				WDUZ-FM	98.3	Superior	WRMC-FM	96.3			
				WTKM-FM	104.9	Suring	WRCO-FM	100.9			
				WST	92.1	Tomah	WCWC-FM	96.9			
				WHI	91.3	Two Rivers	WDFR	90.3			
				WHI	91.3	Viroqua	WEVR-FM	108.3			
				WHLA	90.3	Watertown	WFRW	88.7			
				WJVL	99.9	Wausau	WVLR	96.7			
				WKAU-FM	104.9	West Bond	WTCH-FM	100.1			
				WLIP-FM	96.1	Whitewater	WHBL-FM	97.7			
				WGTD	91.1	Wisconsin Dells	WSHS	91.7			
				WUIN	107.1	Wise, Rapids	WSCW-FM	97.1			
				WLSU	88.9		WSPT-FM	97.9			
				WPL	85.9		WSUS	89.9			
				WWLA	93.3		WSRP	89.9			
				WLXR	104.9		WVSP	95.9			
				WWIB	82.9		WYKE	92.1			
				WERN	88.7		WWS	91.3			
				WIBA-FM	103.5		WRVM	102.7			
				WORT	89.7		WTMB-FM	98.9			
				WISM-FM	98.1		WTQC-FM	102.3			
				WZEE	104.1		WGBM	102.3			
				WNWC	102.5		WTTN-FM	94.1			
				WKUB	92.1		WML	106.1			
				WHMD	91.5		WDUX-FM	91.7			
				WLST	97.7		WLKE-FM	99.3			
				WDLB-FM	108.5		WDEZ	101.9			
				WRJC-FM	92.1		WHRM	91.9			
				WIGM-FM	99.3		WIFC	95.5			
				WMFM	92.1		WJZ	103.7			
				WSSS	90.7		WBKX-FM	92.5			
				WZMF	98.3		WSUW	91.7			
				WJMT-FM	93.5		WNNO-FM	107.1			
				WMAD-FM	100.3		WWRW	103.3			
				WFRM	98.5						
				WZUR	95.7						
				WISN-FM	97.3						
				WRIT-FM	102.9						

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KAAW	Berryville, AR	107.1	KAUG	Salinas, CA	90.9	KBHS-FM	Hot Springs AR	96.7	KCCQ	Ama, IA	107.1
KAAP-FM	Santa Paula, CA	96.7	KAUM	Houston, TX	96.5	KBHU-FM	Spearfish, SD	89.1	KDCD	Longmont, CO	90.7
KABG	Cambridge, MA	105.5	KAUR	St. Louis, MO	89.1	KBIA	Columbia, MO	91.3	KCDR-FM	Cedar City, Utah	
KABI-FM	Abilene, Kan.	98.3	KAUS	St. Louis, MO	95.9	KBIC	Alice, TX	102.3	KCED	Centralia, WA	91.3
KABL-FM	San Francisco, CA	98.1	KAVI-FM	Rocky Ford, CO	99.9	KBID	Wichita Falls, TX	92.9	KCEE-FM	Tucson AZ	96.1
KACA	Prosser, WA	101.7	KAVR-FM	Apple Valley, Cal.	102.3	KBIG	Los Angeles, CA	104.3	KCEP	Las Vegas, NV	98.1
KACO	St. Louis, Mo.	107.7	KAVS	Thief River Falls, Minn.	102.3	KBIM-FM	Roswell, NM	105.3	KCES	Eufaula, Okla.	84.9
KACV-FM	Amarillo, TX	89.9	KAWB	McKinney, Tex.	89.5	KBLE-FM	Seattle, WA	93.3	KCFM	St. Louis, MO	93.7
KADI	St. Louis, Mo.	96.3	KAWL-FM	York, NE	104.9	KBLE-FM	Blackfoot, ID	97.7	KCFD	Tulsa, OK	98.5
KADL-FM	Pine Bluff, AR	96.3	KAWW	Heber Springs, AR	94.5	KBMC	Eugene, OR	94.5	KCFE	Sioux Falls, S.D.	90.1
KADO	Texarkana AR	107.1	KAXE-FM	Grand Rapids, MN	91.7	KBMT	La Junta, CO	82.1	KCFY	Ferguson, Mo.	89.5
KADQ-FM	Rexburg, ID	94.3	KAXR	Flagstaff, AZ	88.5	KBMF-FM	Benson, Minn.	93.3	KCHA	St. Charles City, IA	104.9
KADX	Denver, CO	105.1	KAYE	Beaumont, Tex.	97.5	KBMS	Billings, Mont.	98.5	KCHC	Central Point, OR	91.7
KAEZ	Oklahoma City, OK	107.7	KAYK-FM	Provo, UT	90.5	KBOB	West Covina, CA	98.3	KCHE-FM	Cherokee, IA	102.3
KAEF-FM	Santa Fe, N. M.	87.3	KAYL-FM	Storm Lake, Iowa	101.5	KBOE-FM	Oskaloosa, IA	104.9	KCHF-FM	Sioux Falls, S.D.	93.5
KAFI	Auburn, CA	102.7	KAYN	Tucson AZ	94.9	KBOI-FM	Boise, ID	97.9	KCHO	Chico, Cal.	91.1
KAFM	Dallas TX	94.5	KAZI	Austin, TX	88.7	KBOP-FM	Portland, OR	90.7	KCHU	Dallas, TX	90.9
KAGB-FM	Inglewood CA	103.9	KBAF-FM	Burley, ID	98.3	KBOP-FM	Pleasanton, TX	98.3	KCIH	Houma, LA	95.3
KAGE-FM	Winona, MN	95.3	KBAS	Lake Havasu City, AZ	95.9	KBOS	Tulare, Cal.	94.9	KCIH-FM	Carroll, Ia.	107.1
KAGH-FM	Crosslet AR	104.9	KBAT	Midland TX	95.3	KBOW	Butte MT	94.1	KCIR	Corsicana TX	107.9
KAGM	Klamath Falls OR	98.8	KBAY	San Jose, CA	100.3	KBDF	Medford, OR	95.3	KCIV	The Dalles, Ore.	104.5
KAHS	Arca, CA	91.5	KBAZ	Bisbee, AZ	92.1	KBPI	Denver, CO	105.9	KCIZ	Springdale, AR	104.9
KAIM-FM	Honolulu, HI	91.5	KBBB-FM	Borger, TX	104.3	KBPD	Beaumont, TX	94.1	KCJB-FM	Minot, ND	97.1
KAIR-FM	Tucson AZ	94.9	KBBC	Phoenix AZ	88.7	KBRA	Wichita KS	97.9	KCJH	Stockton, CA	90.5
KAKC-FM	Tulsa, Okla.	92.9	KBCD	Beaver, UT	90.1	KBRD	Tacoma, WA	103.9	KCKN-FM	Kansas City, Kan.	89.1
KALA	Davenport, IA	90.1	KBCF	Santa Rosa, CA	98.1	KBRE-FM	Cedar City, UT	94.9	KCEJ	St. Charles, Mo.	98.7
KALJ	Yuma AZ	95.1	KBCG	Boise, ID	92.3	KBRF-FM	Fergus Falls, Minn.	107.1	KCLD-FM	St. Cloud MN	104.7
KALL	Salt Lake City UT	94.1	KBCL	Riverside, CA	95.1	KBRG	San Francisco, CA	103.3	KCLK-FM	Clarkston WA	94.1
KALU	Langston, OK	90.7	KBBY	Ventura, Calif.	105.1	KBRI-FM	Brinkley AR	102.3	KCLN-FM	Clinton, Iowa	97.7
KALW	San Francisco, CA	91.7	KBCA	Los Angeles, CA	95.1	KBRK-FM	Brookings, S.D.	94.3	KCLO-FM	Leavenworth, KS	98.9
KALX	Berkeley, CA	90.7	KBCB	St. Louis, MO	95.5	KBRM-FM	Bremerton, WA	106.9	KCLU-FM	Rolla, MO	94.3
KAMA-FM	El Paso, TX	93.3	KBCD	St. Louis, MO	100.9	KBRU	Fort Morgan, CO	101.7	KCMK	Glenwood Springs, CO	90.5
KAMB	Merced, CA	101.5	KBCS	Bellevue WA	91.3	KBRV	Fort Morgan, CO	101.7	KCMT-FM	Alexandria, Minn.	100.7
KAMC	Arlington TX	94.9	KBCT	Fairfield, IA	95.9	KBSB-FM	St. Neils, NE	92.7	KCMU	Seattle WA	90.5
KAMO-FM	Rogers AR	94.3	KBDG	Turlock, CA	90.9	KBSO	Espanola, NM	102.3	KCNM	Carlsbad, N. M.	90.8
KAMS	Mammoth Springs AR	95.1	KBDR	Merced CA	89.1	KBSU	Boise, ID	90.1	KCNT	Hastings, NE	88.1
KANG	Angwin, CA	89.9	KBED	Lake Providence, LA	92.7	KBTM-FM	Jonesboro AR	101.9	KCNW	Kilgore, TX	95.9
KANR	Great Falls MT	98.9	KBEF	Forrest City AR	103.3	KBUJ	Terrill Hills TX	106.3	KCEG-FM	Cedar Rapids IA	90.9
KANV	Larned, KS	91.7	KBEK	Lexington MO	106.3	KBUH-FM	Brigham City UT	107.1	KCOG-FM	Centerville, IA	98.7
KANU	Lawrence, KS	91.3	KBEK	Lexington MO	106.3	KBUZ-FM	Mesa AZ	107.7	KCOL-FM	Fort Collins, CO	107.9
KANW	Albuquerque, NM	82.1	KBEK	Lexington MO	106.3	KBVZ	Boulder, Colo.	94.7	KCOU	Columbia, MO	88.1
KAOH-FM	Duluth, MN	94.9	KBEW-FM	Blue Earth, MN	100.9	KBVR	Corvallis, OR	90.1	KCOZ	Shreveport, La.	100.1
KAOI	Waukegan, HI	95.1	KBEZ	Salinas, CA	102.5	KBXL-FM	Caldwell, Idaho	94.1	KCPA	Albert Lea, MN	98.3
KAOJ-FM	Carrollton, MO	101.1	KBF	Forrest City AR	103.3	KBYU-FM	Provo, UT	88.9	KCPN	San Luis Obispo, Cal.	91.3
KAOB	Olympia WA	89.3	KBF	Forrest City AR	103.3	KCAL-FM	Redlands, CA	98.7	KCPX-FM	Salt Lake City, UT	107.1
KAPB-FM	Marksville, La.	97.7	KBF	Forrest City AR	103.3	KCAL-FM	Helena, MT	103.1			
KAPX	San Clemente, Cal.	102.9	KBF	Forrest City AR	103.3	KCB	Dallas, TX	91.8			
KARA	Santa Clara CA	108.7	KBF	Forrest City AR	103.3	KCBF	Dallas, TX	91.8	KCR	Enid, OK	98.9
KARD-FM	Wichita, Kan.	107.3	KBF	Forrest City AR	103.3	KCBM	Chico, Calif.	95.7	KCRV	Caruthersville, MO	103.1
KARN-FM	Little Rock AR	103.7	KBF	Forrest City AR	103.3	KCBS-FM	San Francisco, Calif.				

U.S. FM STATIONS BY CALL LETTERS

Table with columns: Call, Location, MHz. Lists FM radio stations across the United States, organized by call letters (K, KH, KL, KM, KN, KP, KR, KS, KU, KV, KW, KY, KZ).

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KNEX-FM McPherson KS		96.7	KPLR-FM St. Louis, Mo.			KRUI-FM Santa Barbara, CA		103.3	KTHO-FM Tahoe Valley, CA		103.1
KNFB Nowata, Okla.			KPLT-FM Paris, TX		99.3	KRVE Los Gatos, CA		95.3	KTIB-FM Thibodaux, La.		
KNFM Midland, Tex.		94.3	KPLU Tacoma, WA		88.1	KRVH-FM Rio Vista CA		90.9	KTIM-FM San Rafael, Calif.		100.9
KNGT Jackson CA		94.3	KPMT Oxnard, Cal.		88.5	KRVM Eugene, OR		91.9	KTIS-FM Minneapolis, Minn.		
KNHC Seattle, Wash.		89.5	KPNW-FM Eugene, Ore.		89.1	KRVS-FM Lexington, Neb.		89.3	KTLC-FM Springfield, La.		92.7
KNHS Torrance, Cal.			KPCC-FM Pocahontas AR		103.9	KRWG Lafayette, La.		90.7	KTLL-FM Twin Lakes, IA		105.5
KNIK-FM Anchorage AK		105.5	KPOE Humble City, TX		94.1	KRWV Las Cruces, NM		90.7	KTLO-FM Mountain Home AR		
KNIM-FM Maryville, MO		95.3	KPOL-FM Los Angeles, Calif.			KRWN Farmington, NM		92.9			
KNIS Carson City, Nev.		94.7	KPOD San Francisco CA		89.5	KRWS Hardin, MT		95.3			
KNIX-FM Phoenix, AZ		102.5	KPOP-FM Roseville, Cal.		95.5	KRXL Kirkville, MO		94.5	KTLC-FM Tahlequah, Okla.		98.3
KNJO Thousand Oaks, Calif.			KPPS-FM Parsons, KS		91.1	KRYL-FM Colorado Springs, Colo.			KTLM Columbus NE		91.9
KNLU Monroe LA		88.7	KPQ-FM Wenatchee, Wash.						KTMO Kennett MO		98.9
KNOB Long Beach, Cal.		97.9	KPQX Havre, MT		92.5	KSAK Walnut CA		90-1	KTMS-FM Santa Barbara, Cal.		
KNOD-FM Monroe, LA		101.9	KPRA Paso Robles, Calif.		94.3	KSAM-FM Huntsville, Tex.			KTMT Medford OR		93.7
KNDF-FM Mt. Airy, NC		95.3	KPRI San Diego, CA		106.5	KSAN San Francisco, Cal.		94.9	KTNC-FM Tucson, Ariz., N.M.		92.7
KNOK-FM Ft. Worth, TX		107.5	KPRM-FM Park Rapids, MN		97.5	KSQA San Antonio, TX		100.3	KTOD-FM Jonesboro, La.		
KNOS Marshall, Mo.		91.7				KSAU Naegdoches, TX		90.1	KTOD-FM Cedar Rapids, Iowa		104.5
KNPT-FM Newport, OR		94.9	KPRS Kansas City, Mo.		103.3	KSAY Clinton, IA		98.1	KTON-FM Belton, Tex.		106.3
KNRO Conroe, Tex.		106.9	KPSR Los Altos, Cal.		91.5	KSAY Mission Viejo, CA		88.5	KTOO Juneau AK		104.3
KNRU Wichita Falls TX		103.3	KPTL Carson City NE		97.3	KSBY-FM San Luis Obispo, Cal.			KTOP-FM Topeka, Kan.		100.3
KNTU Denton, Tex.		98.5	KPUB-FM Pueblo, CO		89.9	KSCF-FM San Luis Obispo, Cal.		97.1	KTOT-FM Big Bear Lake, CA		
KNUE Tyler, Tex.		101.5	KPWD Plentywood, MT		100.1	KSCD Florissant, MO		97.1			
KNUJ-FM New Uim, Minn.			KPYI Ft. Piasant, TX		100.7	KSCD Shreveport, LA		91.3	KTOY Tacoma, Wash		101.7
KNUB Dallas, Tex.			KQAA Aberdeen, SD		104.9	KSCM-FM Houston, MO		99.3	KTPK Topeka, KS		106.9
KNUW Great Falls MT		94.5	KQAD-FM Luverne, MN		93.7	KSCO-FM Santa Cruz, CA		99.1	KTQM-FM Clovis, N.M.		
KNWA Fayetteville AR		103.9	KQAL Winona, MN		88.5	KSCR Hobbs, NM		95.7	KTRI Las Vegas, NV		92.3
KNWC-FM Sioux Falls, S.D.			KQCA Canton, MO		102.3	KSDI Ft. Worth TX		96.3	KTRM-FM Beaumont, Tex.		
KNWD Natitoches, Iowa		91.7	KQCR Cedar Rapids, IA		102.9	KSDI El Paso, TX		92.3	KTRU Houston, TX		91.7
KNWS-FM Waterloo, Iowa			KQDE-FM Waseca MN		92.1	KSDS San Diego, CA		98.3	KTRY-FM Beatrop, LA		84.3
KNX-FM Los Angeles, Calif.			KQDY Bismarck, ND		94.5	KSEA Seattle, WA		100.7	KTRV-FM Beaumont, Tex.		91.7
KNXR Rochester, Minn.			KQED-FM San Francisco, Cal.		88.5	KSEL-FM Lubbock, TX		93.7	KTSF-FM El Paso, Tex.		99.9
KOAP Portland, Ore.		91.5				KSEO-FM Durant, OK		107.1	KTSR Kansas City, Mo.		
KOAQ Denver, CO		103.5	KQFM Portland, OR		100.3	KSER Searcy, AR		99.3	KTSU Houston TX		90.9
KOBT-FM Albuquerque, N.M.			KQHJ Hampton, IA		104.9	KSET-FM El Paso, Tex.		94.7	KTOT-FM Big Bear Lake CA		101.7
KOAX Dallas, TX		105.3	KQHJ Yankton SD		104.1	KSEZ Sioux City, IA		97.9	KTTS-FM Springfield, Mo.		
KOBF-FM Albuquerque, MN		93.3	KQIC Willmar MN		102.5	KSEZ Spokane, WA		92.1	KTUH Honolulu, HI		90.3
KOBC Joplin, MO		91.3	KQIP Odessa, TX		96.9	KSFC Spokane WA		91.5	KTUV-FM Seattle, Wash.		
KOBS-FM Orange, Tex.		104.5	KQM Milwaukee, OR		106.7	KSFH Mountain View CA		91.5	KTWN Anoka, Minn.		107.9
KOCM Newport Beach, Cal.			KQXQ Grand Junction CO		93.1	KSFM Woodland CA		102.5	KTXI-FM Jasper, TX		102.3
KOCN Pacific Grove, Cal.		104.9	KQKX-FM Council Bluffs, IA		98.5	KSFX San Francisco CA		103.7	KTXN-FM Victoria, BC		98.7
KOCV Odessa, Tex.						KSGM-FM Ste. Genevieve, MO			KTWR Tacoma, Wash.		
KOCY-FM Oklahoma City, Okla.			KQLH San Bernardino CA		95.1				KTXR Springfield, Mo.		101.5
KODA-FM Houston, Tex.			KQMQ Honolulu, HI		93.1	KSHE Crestwood, MO		105.7	KTXS-FM Lubbock, TX		94.7
KOEA Doniphan, MO		97.7	KQNM Gallup, NM		93.7	KSHU Honolulu HI		89.3	KTYD Santa Barbara CA		99.9
KOEL-FM Delweta, IA		92.8	KQOD Glen UT		97.7	KSID-FM Sidney, NE		90.3	KTYL Tyler, TX		93.1
KOEZ Newton, KS		92.3	KQQQ Pullman, WA		104.9	KSII Pocatello, ID		94.9	KUAC College AK		104.7
KOFA Yuma, Ariz.		91.5	KQRS-FM Golden Valley, NM		92.5	KSIH-FM Sedalia, MO		92.1	KUAD-FM Windsor, CO		99.1
KOFG-FM Oklahoma City, Okla.			KQUE Houston TX		102.9	KSIW-FM Woodward, DK		93.5	KUAF Fayetteville AR		88.9
KOFD-FM Ottawa, Kan.			KQWB-FM Moorhead, MN		98.7	KSIW-FM Corpus Christi, Tex.			KUAT-FM Tucson, AZ		90.5
KOGE-FM Tulsa, Okla.			KQWC-FM Webster City IA		95.9	KSIW-FM Stockton, Calif.		89.5	KUBS-FM Newport WA		90.5
KOHL Fremont, CA		89.3	KQXT San Antonio, Tex.		101.9	KSIW Jamestown, ND		93.3	KUCN-FM Agaña GU		91.5
KOHS Orem, UT		90.1	KQXX McAllen, Tex.			KSIN Minneapolis, Minn.		91.1	KUCA Conway, AR		91.5
KOIL-FM Omaha, Neb.			KRAB Seattle, WA		107.7	KSJO San Jose, CA		92.3	KUCR Riverside, Cal.		
KOIN-FM Portland, OR		101.1	KRAD-FM E. Grand Forks, MN		100.3	KSJR-FM Collegeville, MN		90.1	KUCV Lincoln, Neb.		
KOKF-FM Austin, Tex.						KSJS San Jose, Cal.		90.7	KUDE-FM Oceanide, Cal.		102.1
KOKR Newbury, AR		105.5	KRAI-FM Craig, CO		93.7	KSKG Salina, Kan.		99.9	KUDU Las Vegas, NV		93.1
KOLL-FM Gillette, WY		93.5	KRAV Tulsa, OK		96.5	KSKH Meha, AR		101.7	KUDU-FM		
KOLM-FM Rochester, Minn.			KRAZ Farmington, NM		96.9	KSKU Hutchinson, Kan.		102.1	Ventura-Oxnard, Calif.		
KOLU Paseo, WA		90.1	KRBB-FM Salinas, Okla.		95.9	KSL-FM Salt Lake City, Utah			KUDY-FM Spokane, Wash.		
KOLY-FM Moberly SD		99.5	KRBE Houston, TX		104.1	KSLC McMinnville OR		90.3	KUER Salt Lake City, Utah		
KOME San Jose, Calif.		88.5	KRBI-FM St. Peter, MN		105.5	KSLH St. Louis, MO		91.5	KUFS Missoula, MT		89.1
KOMR St. Louis, MO		89.3	KRBM Pendleton, OR		90.9	KSLI Alexandria, LA		96.9	KUGB Galveston, TX		106.5
KOMS Lebanon, OR		103.7	KRCC Colorado Springs, CO		91.5	KSLM-FM Opejousas, La.			KUGG Bellingham, WA		89.3
KONG-FM Visalia, Calif.			KRCD Cape Girardeau, MO		90.9	KSLM-FM Santa Maria, CA		91.1	KUIF Houston, Tex.		
KONI-FM Spanish Fork, Utah			KRCE-FM St. George UT		90.1	KSMO-FM Santa Maria, CA		94.5	KUIB Vernal, UT		86.1
KOQI Jacksonville, Tex.		106.5	KRDE-FM Colorado Springs, CO		102.9	KSMC Lafayette, LA		89.5	KUIV Vacaville, CA		95.3
KOBL-FM Phoenix AZ		94.5	KRE-FM Berkeley CA		102.9	KSMI-FM Manti, UT		90.7	KUID Moscow, ID		91.7
KOOR-FM Oklahoma NE		104.5	KREB Monroe, LA		106.1	KSMI-FM Donaldsonville LA		104.9	KULA Waipahu HI		92.3
KOPE Mesilla Park, NM		104.9	KREM-FM Spokane, WA		92.9	KSMI-FM Truckee, CA		101.7	KULM Columbia TX		98.3
KOPN Memphis, MO		89.5	KRES Moberly, MO		88.9	KSMR-FM Apache Junction AZ		106.6	KULM-FM El Campo, Tex.		98.9
KOPR-FM Great Falls, Mont.			KREX-FM Sunnyside, WA		96.7				KUMD-FM Duth, Minn.		
KORA-FM Bryan, TX		98.3	KRFK Greenfield, MO		93.5	KSMU Springfield MO		91.1	KUMM Morris MN		89.7
KORJ Garden Grove CA		94.5	KRFM Phoenix AZ		95.3	KSND Eugene, OR		93.1	KUMU-FM Honolulu, HI		94.7
KORK-FM Las Vegas, NV			KRFO-FM Owatonna, MN		104.9	KSNM Santa Fe, N.M.			KUNA San Luis Obispo CA		96.1
KORM Orem, UT		107.1	KRGI-FM Grand Island, NE		96.5	KSNR Gilroy, CA		94.3	KUNF La Canada, Cal.		88.9
KORQ Abilene, TX		100.7	KRKQ Carthage, MO		104.9	KSNL Lake Charles, LA		96.1	KUNJ Cedar Falls, IA		90.9
KOSE-FM Oseola AR		98.1	KRKO-FM Dawson, OK		102.3	KSQL San Mateo CA		107.5	KUNM Albuquerque, N.M.		96.1
KOSI-FM Denver, Colo.		99.3	KRHS Euilhead City, AZ		102.3	KSDM-FM Ontario CA		95.5	KUNR Reno NV		88.7
KOSN-FM Thief River Falls, MN		99.3	KRHM Lake Havasu City NE		95.9	KSDN-FM San Diego, CA		87.3	KUOA-FM Siltom Springs AR		
KOST Los Angeles, Cal.		93.1	KRIB Rexburg ID		90.1	KSPF-FM Salt Lake City, Utah			KUOE El Paso, TX		105.7
KOSU-FM Stillwater, Okla.			KRIL El Dorado AR		96.9				KUOH Honolulu, Hawaii		95.5
KOSY-FM Texarkana, Ark.		102.5	KRIT Clarion, IA		99.3	KSOB Ashland, Ore.		90.1	KUOH Honolulu, Hawaii		98.3
KOTE Lancaster, Calif.		106.3	KRJB Monte Rio, CA		97.7	KSOB Point Lookout, MO		91.7	KUOP Stockton, Calif.		
KOTN-FM Pine Bluff AR		92.3	KRKE-FM Albuquerque, NM		94.1	KSPC Claremont, Calif.			KUOR-FM Redlands, Cal.		
KOTO Telluride, CO		91.7	KRLN-FM Canon City, CO		104.9	KSPI-FM Stillwater, Okla.			KUOW Seattle, Wash.		
KOUR-FM Independence IA		95.3	KRLS Knoxville IA		92.1	KSP-LF Diboll, Tex.		95.5	KUPD-FM Tempe AZ		97.9
KOVA Ojai CA		105.5	KRLT South Lake Tahoe, CA		100.1	KSPN Aspen, Colo.		97.7	KUPF-FM Idaho Falls, ID		99.1
KOVF-FM Kearney, Neb.		91.3	KRLY Northfield, MN		90.3	KSPZ Colorado Springs, CO		92.9	KUPK-FM Santa Cruz, Cal., Kan.		
KOWN-FM Escondido, CA		92.1	KRLY Houston, TX		98.7	KSQR Seward, Neb.		96.9	KUPL Portland, OR		98.5
KOXE Brownwood, TX		101.5	KRMD-FM Shreveport LA		101.1	KSRF Santa Monica, Calif.			KURL-FM Billings, Mont.		
KOYE Laredo, TX		92.7	KRNE Iowa City, IA		93.5	KSRN Reno, Nev.			KUSC Los Angeles, Calif.		
KOYL-FM Mesas, TX		97.9	KRNB-FM Neah Bay, WA		90.1	KSRT Tracy, CA		100.9	KUSD-FM Vermillion, S.Dak.		
KOYN-FM Billings, Mont.		93.8	KRNF-FM Mt. Vernon, Ia.		106.8	KSSR Kallspeil, MT		98.5	KUSF San Francisco CA		90.3
KOYY-FM El Dorado KS		99.3	KRNQ Reno, Nev.		108.9	KSTA-FM Coleman TX		107.1	KUSN-FM St. Joseph, Mo.		
KOZE-FM Lewiston, Idaho			KRNW Boulder, CO		97.3	KSTG Sikeston, MO		97.7	KUSP Santa Cruz, CA		88.9
KOZN-FM San Diego, CA		104.7	KRNY-FM Kearney-Holdrege, Nebraska			KSTW San Angelo, TX		97.5	KUSU-FM Logan, Utah		
KPAC-FM Port Arthur, Tex.						KSTM Apache Junction AZ		107.1	KUTE-FM Austin, Tex.		104.1
KPAK El Paso, Tex.			KROA Aurora, NE		103.1	KSTN-FM Stockton, Calif.		107.3	KUTG Glendale, Cal.		101.9
KPAM-FM Portland, Ore.		97.1	KROB-FM Robstown, TX		89.9	KSTO Agana GU		95.5	KUTI-FM Yakima, WA		101.9
KPAN-FM Harford, Tex.		106.3	KROB-FM Rochester, MN		106.9	KSTP-FM Minneapolis, Minn.			KUUL Madera, CA		92.1
KPBF-FM Albuquerque, NM		100.3	KROD-FM Abbeville, LA		104.9	KSUW-FM Keene, TX		88.3	KUVH-FM Holdrege, Neb.		97.7
KPAS El Paso, TX		93.9	KROG Sonora CA		92.7	KSUE-FM Susanville, CA		92.7	KUWR Laramie, Wyo.		
KPAT Sioux Falls SD		97.3	KROI Sacramento, CA		96.9	KSUL Iowa City, Iowa		90.1	KVCL-FM Winnfield, La.		
KPAY-FM Chico CA		95.1	KROK Shreveport LA		94.5	KSVF-FM Artesia, N.M.		91.3	KUCB-FM Bernardino, Calif.		
KPBF-FM Poplar Bluff MO		94.5	KHUN-FM San Francisco, Calif.			KSVR Mount Vernon WA		90.1	KVDB-FM Sioux Center IA		94.3
KPBS-FM San Diego, CA		89.5	KHRQ-FM Pasadena, CA		106.7	KSWR Winfield, Kan.		91.1	KVEE-FM Conway IA		105.1
KPBF-FM Spokane WA		81.1	KHRT-Tyler, TX		92.1	KSWW-FM Arkadelphia AR		91.1	KVEL-FM Vernal, UT		92.7
KPCG Joplin, MO		102.5	KRPL-FM Moscow ID		103.9	KSWW-FM Aurora, Mo.		91.7	KVFG Thibodaux LA		91.5
KPCR-FM Bowling Green, MO		100.9	KRPR Rochester, MN		89.9	KSWW-FM Aurora, Mo.		91.7	KVFM San Fernando, CA		94.3
			KRPS-FM Phoenix, AZ		89.5	KSWT Topeka KS		90.3	KVGS Vacaville, Cal.		95.3
KPCS Pasadena, Cal.		89.3	KRSA-FM Salinas-Monterey CA		100.7	KSYM-FM San Antonio, Tex.		90.3	KVHS Concord, Cal.		104.3
KPDQ-FM Portland, Ore.		93.7				KSYN Joplin, Mo.			KVIV Travis AFB CA		91.5
KPEC-FM Tacoma WA		90.9	KRSB Roseburg, Ore.		103.1	KTAL-FM Texarkana, Tex.		98.1	KVIL-FM Highland Park-Dallas, Tex.		
KPEL-FM Lafayette, La.			KRSI Minneapolis, Minn.		103.1	KTAN-FM Sierra Vista, AZ		109.9	KVIM Coachella, Calif.		93.7
KPEL-FM Lafayette, La.			KRSJ Durango, CO		101.5	KTAR-FM Phoenix AZ		103.9	KVIP-FM Redding CA		98.1
KPEL-FM Lafayette, La.			KRSL-FM Russell, KS		101.5	KTAV Knoxville IA		92.1	KVLG-FM Lubbock, Tex.		104.9
KPEL-FM Lafayette, La.			KRSM Dallas, TX		89.3	KTCO Colby, KS		91.9	KVLR Detroit Lakes, MN		95.3
KPEL-FM Lafayette, La.			KRSN-FM Los Alamos, N.Mex.		103.5	KTCB-FM Wayne, NE		104.9	KVLU Beaumont TX		91.3
KPEL-FM Lafayette, La.			KRSP-FM Salt Lake City, Utah			KTCL Fort Collins, CO		93.3	KVLV-FM Fallon, Nev.		
KPFK Berkeley, Cal.		94.1				KTCF-FM Minneapolis, MN		97.1	KVMG-FM Cochrans, Ga.		
KPFK Berkeley, Cal.			KRST Albuquerque, N.M.		91.7	KTCU-FM Ft. Worth Tex.		99.9	KVNM Pueblo, Colo.		104.7
KPFK Berkeley, Cal.			KRSW-FM Pipestone, MN		91.7	KTDV Ramah NM		89.7	KVMT Vail, CO		95.3
KPFK Berkeley, Cal.			KRTH Los Angeles CA		101.1	KTEC Klamath Falls, Ore.		88.1	KVND Omaha, NE		90.7
KPFK Berkeley, Cal.			KRTU San								

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
KVTT	Dallas, Tex.		KZLO	Pueblo, CO	100.7	N.C.			WCAO-FM	Baltimore, MD	102.7
KVVC-FM	Vernon TX	102.3	KZNN	Rolla MO	105.9	WBAI	New York, N.Y.	93.9	WCAU-FM	Detroit, MI	92.3
KVWJ	Logan, UT	94.5	KZOO	San Luis Obispo, CA	93.3	WBAI-FM	Baltimore, Md.		WCAS-FM	Knoxville, Tenn.	
KVWM-FM	Show Low AZ	93.5	KZSC	Santa Cruz CA	88.1	WBAU	Garden City NY	90.3	WCAU-FM	Philadelphia, PA	98.1
KVWO-FM	Cheyenne, Wyo.	106.3	KZST	Santa Rosa, Calif.	100.1	WBAU-FM	Hamwell, S.C.		WCBK-FM	Memphis, Tenn.	91.1
KVXI	Greensboro, N.C.	101.7	KZSU	Stanford, CA	90.1	WBBA-FM	Pittsfield, Ill.		WCBK-FM	Martinsville, Ind.	102.3
KVYN	St. Helena, CA	106.3	KZUN-FM	Opportunity, Wash.	90.1	WBBC	Blackstone, VA	93.5	WCBL-FM	Benton, Ky.	102.3
KWAO	Sun City, AZ	101.7	KZZZ	Kingman AZ	92.7	WBBF	Rochester, NY	92.5	WCBN	Ann Arbor, MI	89.5
KWAR	Waverly, IA	89.1	WAAF	Worcester, Mass.		WBBI-FM	Abingdon, Va.		WCBS-FM	New York, N.Y.	89.5
KWAS	Amarillo, TX	101.9	WAAJ-FM	Binghamton NY	99.1	WBBM-FM	Chicago, Ill.		WCBP	Peoria, IL	89.9
KWAT-FM	Watertown, S.D.	96.1	WAAZ	Johnstown, PA	92.1	WBBO-FM	Forest City, N.C.		WCBW	Columbia, Ill.	105.1
KWAV	Monterey, CA	96.9	WAAZ-FM	Crestview, Fla.	96.9	WBBQ-FM	Augusta, Ga.		WCCB	McComb, Miss.	94.1
KWAX	Eugene, OR	91.1	WABD-FM	Mobile AL	97.5	WBBY	Westerville, O.	103.9	WCCC-FM	Hartford, Conn.	106.9
KWBE-FM	Beatrice, NE	92.9	WABE	Atlanta, Ga.	107.9	WBCE	Buffalo NY	94.5	WCCF-FM	Punta Gorda, Fla.	90.1
KWBG-FM	Boone, IA	98.3	WABF-FM	Fairhope AL	92.1	WBEI	Inc.		WCCG	Crest Hill, IL	92.7
KWBQ	Morrison, Colo.	91.1	WABJ-FM	Adrian, MI	95.3	WBCL	Fort Wayne, IN	96.5	WCCI	Savanna IL	89.5
KWBW	Waco, TX	107.1	WABK-FM	Gardiner ME	104.3	WBCL-FM	Bay City, Mich.		WCCK	Erie, Pa.	103.7
KWBW-FM	Hutchinson, KS	102.9	WABK-FM	Waynesboro MS	105.5	WBCL	Boston, Mass.		WCCM-FM	Lawrence, Mass.	90.3
KWCR-FM	Ogden, Utah		WABR-FM	Tifton, GA	90.5	WBCT	Columbia, SC	90.5	WCCN-FM	Neshville, Wis.	
KWCW	Walla Walla, Wash.	90.5	WABX	Detroit, Mich.	99.5	WBDC	Huntingburg, IN	100.9	WCCO-FM	Minneapolis, Minn.	
KWDF	Idabel, OK	98.7	WABZ-FM	Albemarle, N.C.	96.3	WBDO	Indianapolis, Ind.	100.9	WCCQ	Central City PA	101.7
KWDM	West Des Moines, IA	88.9	WACE	Paris IL	96.3	WBDO-FM	Bluefield, WV	106.3	WCCV-FM	Charlottesville, Va.	
KWEF-FM	Seguin, Tex.	105.3	WACI	Freeport, Ill.	92.1	WBEE	Elyria, O.		WCCW-FM	Traverse City, Mich.	90.3
KWEH	Camden AR	97.1	WACL-FM	Waycross, GA	103.3	WBEB	Buffalo, NY	102.5	WCCX-FM	Elkins, W.V.	90.3
KWEN	Tulsa OK	95.5	WACM	Freeland, TX	90.5	WBES	Charleston WV	96.1	WCCY-FM	Carbondale, Pa.	94.3
KWFC	Springfield, MO	97.3	WADP	Point Pleasant, N.J.	95.9	WBET-FM	Brockton, Mass.		WCCR-FM	Cedarville, O.	90.3
KWFM	Tucson AZ	92.9	WADI	Corinth, MS	95.3	WBEU-FM	Beaufort, S.C.		WCDR-FM	Elkins, W.V.	93.9
KWFR-FM	San Angelo, Tex.		WADM-FM	Deatur, Ind.	106.5	WBEB	Chicago, Ill.		WCEA-FM	Immockalee FL	91.9
KWBN-FM	Brenham, Tex.	89.5	WADV	Buffalo, N.Y.	96.1	WBEG	Detroit, Mich.	88.1	WCFB	Dubuque, Pa.	103.9
KWCH	Forrest City AR	102.3	WAEI-FM	Maricao, P.R.	98.9	WBEG	Bloomfield Hills, MI	88.1	WCFM-FM	Hawkinsville, Ga.	
KWHI	Brenham, TX	106.3	WAEI	Syracuse, N.Y.	95.1	WBEG	Seneca, S.C.	88.7	WCFM	Williamstown, Mass.	
KWHO-FM	Salt Lake City, Utah	91.7	WAER	Syracuse, N.Y.	95.9	WBEG	Buffalo, NY	91.9	WCFR-FM	Springfield, Vt.	93.5
KWHP	Edmund, Okla.	97.7	WAET-FM	Princeton WV	96.1	WBGM-FM	Bricktown, NJ	91.9	WCGH-FM	Chippewa Falls, Wis.	105.5
KWHS	W. Sacramento, CA	93.5	WAEF-FM	Waukegan IL	97.5	WBGM-FM	Tallahassee, Fla.		WCHM	Chambersburg, Pa.	95.1
KWHL-FM	Altus, OK	107.7	WAFB-FM	Baton Rouge, La.	98.1	WBGO	Newark, N.J.	96.7	WCHN-FM	Norwich, N.Y.	
KWIC	Beaumont TX	97.7	WAFG	Ft. Lauderdale FL	90.3	WBGR-FM	Paris Ky	89.1	WCHO-FM	Washington Court House, O.	102.9
KWIN	Lodi CA	97.7	WAFJ	Milford DE	97.3	WBGO	Newark, N.J.	89.1	WCHQ-FM	Camuy, P.R.	94.5
KWIQ-FM	Moses Lake, Wash.	100.3	WAFM	Amory, MS	95.3	WBGR-FM	Paris Ky	89.1	WCHW-FM	Bay City MI	91.3
KWIZ-FM	Santa Ana, Calif.		WAFR	Durham, NC	90.5	WBGU	Bowling Green, OH	89.1	WCIH	Falmouth, Mass.	101.9
KWKC-FM	Abilene, Tex.	93.3	WAFS	Valdosta, GA	101.1	WBGW	Bangor ME	97.1	WCIH-FM	Washington, IA	95.7
KWIK	Dardanelle, AR	102.3	WAGI-FM	Gaffney, SC	105.3	WBGU	Ft. Lauderdale, Fla.	91.5	WCIL-FM	Carbondale, Ill.	101.5
KWIK	Anchororage, AK	102.1	WAGI	Amherst, Mass.	89.5	WBGU	Bowling Green, OH	89.1	WCIS-FM	West Point, Miss.	
KWKQ	Graham, TX	107.1	WAHM	Amherst, Mass.	89.5	WBHV	Birmingham AL	90.3	WCJM	W. Point, Ga.	
KWLD	Plainview, TX	91.5	WAHR	Huntsville AL	99.1	WBIR	Beaufort, N.C.	91.5	WCKM	Pompano Beach, Fla.	102.7
KWLW	San Angelo, Tex.	103.3	WAHS	Auburn Heights, MI	89.5	WBIR	Chicago IL	86.5	WCKS	Cocoa Beach, Fla.	
KWMI	Midland, TX	90.7	WAIA	Miami FL	97.8	WBIR	Birmingham AL	90.3	WCKW	La Place, La.	107.1
KWMD	St. Louis, Mo.	90.7	WAIC	Springfield, Mass.	88.3	WBIR	Bellaire, OH	88.7	WCLA-FM	Wilmington, N.C.	94.3
KWNU	St. Louis, Mo.	90.7	WAIF	Cincinnati OH	88.3	WBIS	Brunswick ME	91.5	WCLD-FM	Cleveland MS	103.0
KWNS-FM	Pratt, Kan.		WAIN-FM	Columbia, Ky.	96.9	WBIE	Marietta, GA	105.5	WCLE-FM	Cleveland, Tenn.	
KWNT-FM	Davenport, Ia.		WAIV	Jacksonville, FL	96.9	WBIF	Bedford IN	91.5	WCLG-FM	Morgantown, W.V.	100.1
KWQA-FM	Worthington, Minn.	108.5	WAJC	Indianapolis, Ind.		WBIR-FM	Keokuk, Iowa	99.3	WCLH	Wilkes-Barre, Pa.	90.7
KWOD	Sacramento, CA	81.9	WAJP	Joliet, Ill.		WBIR-FM	Keokuk, Iowa	99.3	WCLM	Atlanta, Ga.	91.9
KWPS	Liberty, Mo.	93.9	WAJR-FM	Morgantown, W.Va.	103.3	WBIR-FM	Keokuk, Iowa	99.3	WCLM-FM	Newark, Ohio	101.9
KWRF-FM	Warren, AR	105.5	WAKG	Daniels, Va.	103.3	WBIR-FM	Keokuk, Iowa	99.3	WCLV	Cleveland, D.	
KWRT-FM	Boonville, MO	99.3	WAKB	Bedford, Pa.		WBIR-FM	Keokuk, Iowa	99.3	WCLW-FM	Manasshield, Ohio	
KWSB-FM	Lunnon, Colo.	91.9	WAKN-FM	Aiken, S.C.	101.1	WBIR-FM	Keokuk, Iowa	99.3	WCMC-FM	Wilmington, N.J.	
KWSC	Wayne NE	108.7	WAKO-FM	Lawrenceville, Ill.		WBIR-FM	Keokuk, Iowa	99.3	WCMF-FM	Rochester, N.Y.	
KWSM	Tulare CA	105.9	WAKQ	Russellville, KY	101.1	WBIR-FM	Keokuk, Iowa	99.3	WCMJ	Chester, S.C.	99.3
KWST	Los Angeles, Cal.	94.3	WAKW	Cincinnati, OH	89.9	WBIR-FM	Keokuk, Iowa	99.3	WCMN-FM	Arcadio, P.R.	
KWTF-FM	Barstow, CA	94.3	WAKX	Cincinnati, OH	89.9	WBIR-FM	Keokuk, Iowa	99.3	WCMO	Marietta, Ohio	92.1
KWTO-FM	Springfield, MO	98.7	WAKY	Duluth, MN	100.9	WBIR-FM	Keokuk, Iowa	99.3	WCMQ-FM	Washington, N.C.	
KWTS	Canyon TX	91.1	WALC-FM	Waterboro, S.C.	100.9	WBIR-FM	Keokuk, Iowa	99.3	WCMS-FM	Norfolk, Va.	
KWIX-FM	Waco, Tex.	90.3	WALF	Alfred NY	89.7	WBIR-FM	Keokuk, Iowa	99.3	WCMT-FM	Martin, Tenn.	101.7
KWUR	Clayton, MO	98.3	WALK-FM	Patchogue, N.Y.		WBIR-FM	Keokuk, Iowa	99.3	WCMT-FM	Wayne, Ind.	101.7
KWVC-FM	Columbia, Mo.	91.9	WALL-FM	Midletown, N.Y.		WBIR-FM	Keokuk, Iowa	99.3	WCNA-FM	Scottsboro AL	98.3
KWVM	Stevenville, Tex.	98.3	WALM-FM	Marshall, Mich.	90.5	WBIR-FM	Keokuk, Iowa	99.3	WCNB-FM	Connersville, Ind.	
KWXR-FM	Mexico, Mo.	97.1	WALP	Corinth, Miss.	104.9	WBIR-FM	Keokuk, Iowa	99.3	WCND-FM	Quincy, Ill.	
KWXY-FM	Cathedral City, Cal.	103.1	WALR-FM	Union City, TN	97.1	WBIR-FM	Keokuk, Iowa	99.3	WCNF-FM	Newport, NH	91.3
KWYD	Security CO	105.5	WALS	Meridian, Miss.	100.9	WBIR-FM	Keokuk, Iowa	99.3	WCNY-FM	Liverpool NY	106.1
KWYN-FM	Wynne, AR	92.2	WALX	Selma, AL	100.9	WBIR-FM	Keokuk, Iowa	99.3	WCOD	Hyannis, Mass.	
KWYR-FM	Winnar, SD	93.7	WAMB-FM	Nashville TN	92.9	WBIR-FM	Keokuk, Iowa	99.3	WCOD-FM	Newman, Ga.	
KWYT-FM	Salinas, CA	100.7	WAMC	Albany, N.Y.	102.3	WBIR-FM	Keokuk, Iowa	99.3	WCOS-FM	Columbia, S.C.	
KXCX	Maryville, Mo.	90.5	WAMI-FM	Opp AL	102.3	WBIR-FM	Keokuk, Iowa	99.3	WCOW-FM	LeWiston, Maine	
KXCD	Richland, WA	106.3	WAMO-FM	Pittsburgh, Pa.	88.3	WBIR-FM	Keokuk, Iowa	99.3	WCOW-FM	Sparta, Wis.	
KXEL-FM	Waterloo, Iowa	93.7	WAMP-FM	Toledo, OH	92.1	WBIR-FM	Keokuk, Iowa	99.3	WCOZ	Boston MA	94.5
KXEW-FM	Tucson AZ	97.7	WAMU-FM	Washington, D.C.	93.7	WBIR-FM	Keokuk, Iowa	99.3	WCPA-FM	Clearfield, Pa.	
KXFM	Santa Maria, Cal.	101.7	WAMX	Ashland, KY	93.7	WBIR-FM	Keokuk, Iowa	99.3	WCPD-FM	Houston, Miss.	93.7
KXGG-FM	Fort Madison IA	93.5	WANG	Coldwater, Mich.	98.5	WBIR-FM	Keokuk, Iowa	99.3	WCPD-FM	Radio, NC	89.7
KXGO	Arcata CA	96.7	WANS-FM	Anderson, S.C.		WBIR-FM	Keokuk, Iowa	99.3	WCPD-FM	Radio, NC	89.7
KXGR	Grand Rapids, MN	94.1	WANY-FM	Albany, Ky.	90.5	WBIR-FM	Keokuk, Iowa	99.3	WCPL	Pagefield, SC	102.3
KXII	Bend, OR	94.1	WANM	Tallahassee, Fla.	96.5	WBIR-FM	Keokuk, Iowa	99.3	WCRA-FM	Emmham, Ill.	102.5
KXIT-FM	Dalhart, Tex.		WAVF-FM	Vincennes, Ind.	94.5	WBIR-FM	Keokuk, Iowa	99.3	WCRB	Waltham, MA	102.5
KXJX-FM	Forrest City, Ark.	95.7	WAPC-FM	Riverhead, N.Y.		WBIR-FM	Keokuk, Iowa	99.3	WCRC	Bluffton, Ind.	
KXLE-FM	Elliensburg WA	95.3	WAPL-FM	Birmingham AL	94.5	WBIR-FM	Keokuk, Iowa	99.3	WCRF	Cleveland, OH	103.3
KXLU	Los Angeles, Cal.	88.9	WAPT	Akron, Ohio	94.1	WBIR-FM	Keokuk, Iowa	99.3	WCRI-FM	Williamsport, MD	90.5
KXLY-FM	Spokane, Wash.	107.5	WAQT	Carrollton, AL	102.1	WBIR-FM	Keokuk, Iowa	99.3	WCRI-FM	Clar, MI	95.3
KXOA-FM	El Centro, CA	107.5	WAOY	Springfield, MA	102.1	WBIR-FM	Keokuk, Iowa	99.3	WCRT-FM	Greenwood, SC	98.7
KXOO	Sacramento, Calif.	99.5	WARC	Meadville, Pa.	88.9	WBIR-FM	Keokuk, Iowa	99.3	WCRT-FM	Danville, IN	107.1
KXOL	Fort Worth, TX	96.7	WARG	Summit, IL	88.9	WBIR-FM	Keokuk, Iowa	99.3	WCRY-FM	Macon GA	107.9
KXOX-FM	Sweetwater, TX	106.3	WARK-FM	Hagerstown, Md.	106.9	WBIR-FM	Keokuk, Iowa	99.3	WCSE	Cleveland, OH	89.3
KXOW-FM	Hot Springs, AR	106.3	WARP	Due West, S.C.	91.7	WBIR-FM	Keokuk, Iowa	99.3	WCSE	Massboro, N.Y.	92.3
KXQR	Fresno, Calif.(a)	94.1	WART	Plainfield, IN	98.5	WBIR-FM	Keokuk, Iowa	99.3	WCSE	Massboro, N.Y.	92.3
KXRA-FM	Alexandria, Minn.	92.3	WARU-FM	Peru, Ind.	86.5	WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Grand Rapids, MI	91.3
KXTC	Glendale AZ	94.1	WASB	Washington, D.C.		WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Columbus, Ind.	
KXTD	Henderson, NV	94.1	WASH	Washington, D.C.		WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Collins, O.	
KXTE-FM	Las Vegas, N.M.	105.5	WASL	Dyersburg, TN	101.1	WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Collins, O.	
KXXX	Chickasha OK	100.3	WASU-FM	Boone NC	90.5	WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Collins, O.	
KXXX-FM	Colby KA	100.3	WATM-FM	Atmore AL	104.1	WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Collins, O.	
KXXX-FM	Oklahoma City OK	98.1	WATP-FM	Marion, S.C.	94.3	WBIR-FM	Keokuk, Iowa	99.3	WCSE-FM	Collins, O.	
KYAF-FM	San										

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WCTY	Norwich, CT	97.7	WEDA-FM	Grove City, Pa.		WFMA	Rocky Mount, N.C.		WGTH	Richlands, VA	105.5
WCUE	FM Akron, O.		WEDM	Indianapolis, Ind.	91.1	WFMB	Springfield, Ill.		WGTD	Kenosha, WI	91.1
WCUF	Akron, Ohio		WEDR	FM Miami, Fla.		WFMD	FM Frederick, Md.		WGTE	FM Toledo, OH	91.3
WCUP	Culpepper VA	103.1	WEED	Springfield, O.		WFME	Newark, Md.	94.7	WGTF	FM Fakoma Park, Md.	
WCUT	Titon, GA	100.9	WEEI	Taylorville, IL	92.7	WFMF	Baton Rouge, LA	102.5	WGUC	Cincinnati, Ohio	
WCWV	Warner MA	91.8	WEEJ	Port Charlotte, FL	100.1	WEMH	FM Cullman AL	101.1	WGUD	Pascagoula, MS	106.3
WCWH	Flemington, NJ	90.5	WEEM	Pendleton TN	91.7	WFMI	FM Montgomery AL	88.9	WGUL	FM New Port Richey, Fla.	105.5
WCVM	Middlebury, VT	100.9	WEFP	FM Pittsburgh, Pa.		WFML	Washington, Ind.		WGUS	FM Augusta, Ga.	
WQVO	Gahanna OH	104.9	WEER	FM Warrenton, Va.		WFMN	Newburgh, N.Y.		WGVF	Gary, Ind.	
WQVT	Towson, MD	89.7	WEFA	Waukegan, Ill.		WFMP	Ebanon, Tenn.	91.8	WGVJ	Gainesville FL	105.5
WCWL	Stockbridge, MA	91.3	WEFG	Winchester, Va.		WFPM	Fitchburg, Mass.	104.5	WGVQ	Wilmington, OH	91.7
WCWM	Williamaburg, Va.		WEFM	Chicago, IL	89.5	WFMQ	Lebanon, TN	88.7	WGWG	Boiling Springs, NC	88.3
WCWP	Brookville, N.Y.		WEGL	FM Auburn AL	91.1	WFMU	Indianapolis, Ind.		WGXM	Dayton OH	88.1
WCWS	Wooster, O.		WEHO	FM Elmira, N. Y.		WFMV	East Orange, N.J.		WGYL	Vero Beach, Fla.	93.5
WCWT	FM Centerville, Ohio	89.5	WEIC	FM Charleston, Ill.		WFNW	FM Blainstown NJ	106.3	WHAD	Delafield, Wis.	
WCYC	Chicago, Ill.	90.5	WEIV	Ithaca, N.Y.		WFN	Madisonville, Ky.		WHAI	FM Greenfield, Mass.	
WCYN	FM Cythiana, Ky.	102.3	WEIZ	Phenix City, AL	100.1	WFNA	FM Statesville, N.C.		WHAW	FM Haverhill, Mass.	
WDAC	Laneaster, Pa.		WEKU	FM Richmond, Ky.	88.9	WFNE	Forsyth GA	97.1	WHAX	FM Waton TV	102.8
WDAL	Chicago, Ill.	94.7	WEKZ	FM Monroe, Wis.		WFNF	Racine, Wis.	88.7	WHAY	Aberdeen, MS	105.5
WDAL	FM Meridian, Miss.	101.3	WEKE	E. Liverpool, OH	104.3	WFNB	FM Fostoria, Ohio		WHBB	FM Selma, Ala.	
WDAA	Dayton, OH	107.7	WELE	FM Duland FL	105.9	WFBO	FM Suffolk-Norfolk, VA	92.9	WHBC	FM Canton, Ohio	
WDAR	FM Darlington, S.C.		WELL	FM Marshall, Ill.	104.9	WFBS	FM South La. Wis.		WHBF	FM Rock Island, Ill.	
WDAS	FM Philadelphia, Pa.		WELP	FM Easley, S.C.	98.5	WFOS	Chesapeake, Va.		WHBL	FM Xenoyan, Wis.	97.7
WDAY	Davidson NC	90.5	WELR	FM Roanoke AL	95.3	WFOG	FM Galesville, Ga.	97.1	WHBM	FM Shenba, Ohio	
WDAY	FM Fargo, N.D.		WEMC	Harrisonburg, Va.		WFOY	FM St. Augustine, Fla.		WHCM	FM Marietta, GA	103.9
WDBA	Dubois, PA	107.3	WEMD	FM Easton, Md.	96.7	WFG	FM Atlantic City, N.J.	96.9	WHCM	FM Clinton, NY	
WDBI	FM Tawas City MI	101.7	WEMH	Huntington, WV	107.9	WFL	Louisville, Ky.		WHCN	Hartford, Conn.	
WDBJ	FM Roanoke, Va.		WEMO	East Moline, Ill.	101.3	WFLP	Louisville, Ky.		WHCU	FM Ithaca, NY	
WDBL	FM Springfield, Tenn.		WEMP	FM Milwaukee, Wis.		WFR	Hammond LA	107.1	WHCV	FM Hayre De Grace MD	103.7
WDBM	Medea, O.		WEMU	Ypsilanti, Mich.		WFRB	FM Frostburg, Md.		WHDF	FM Portsmouth, NH	100.3
WDBO	FM Orlando, Fla.		WENN	FM Birmingham AL	107.7	WFRD	Hanover, NH	99.3	WHET	FM Timm O.	88.9
WDBQ	FM Dubuque, Iowa		WENY	FM Elmira, N.Y.		WFRF	FM Fresno, Cal.		WHEN	FM Syracuse, N.Y.	
WDBR	Springfield IL	103.7	WEO	FM Elyria, Ohio		WFRN	Auburn AL	97.7	WHFR	Hattiesburg, MS	103.7
WDBS	Durham, NC	107.1	WEO	FM Huron, Mich.	99.7	WFRM	FM Freeport, IL	98.5	WHHZ	Huntington, WV	103.3
WDCE	Glen Elyn, IL	90.9	WESL	FM Easton, Pa.		WFRS	FM Framont, Ohio		WHFB	FM Benton Harbor, MI	99.9
WDCB	FM Sanford NC	89.5	WESP	FM Cambridge, MD	100.1	WFRS	FM Franklin, N. C.		WHFC	Bel Air MD	88.1
WDCD	Durham, NC	105.1	WESR	FM Tasley, Va.	103.3	WFS	Annapolis MD	107.9	WHFD	Archbold, OH	95.5
WDCR	FM Hanover, NH	99.3	WESC	FM Greenville, S.C.		WFST	FM Caribou, Maine		WHFH	Flossmoor, Ill.	
WDCS	Portland, Me.	97.9	WESN	Bloomington, IL	88.1	WFST	FM Burlington, Vt.		WHFI	Jackson, MI	94.1
WDCV	FM Carlisle PA	88.3	WESQ	FM Southbridge, Mass.	100.1	WFST	FM Grand Rapids, Mich.		WHFL	Winter Haven, FL	97.5
WDCX	Buffalo, N.Y.		WESR	FM Easton, Pa.	90.3	WFST	FM London, Ky.	103.9	WHFM	Rochester, N.Y.	
WDCC	Chicago, IL	89.3	WESU	Middletown, Conn.	88.1	WFT	FM Maysville, Ky.		WHFS	Bethesda, Md.	
WDDL	Wardon, Ill.	107.1	WETA	Washington, D.C.		WFT	FM Fort Walton Beach, Fla.	99.3	WHGT	Bennington, VT	94.3
WDEF	Hamden, Conn.		WETD	Alfred NY	91.3	WFT	FM Fulton, Mo.		WHGN	Belmont, Pa.	
WDEF	FM Chattanooga, Tenn.	92.3	WETN	Wheaton, Ill.		WFT	FM Fulton KY	99.7	WHHL	Highland, Wis.	
WDEA	FM Ellsworth, Me.		WETS	Johnson City TN	89.5	WFT	FM Grand Rapids, Mich.	93.7	WHHO	FM Hornell, N. Y.	105.3
WDEB	FM Jamestown, Tenn.		WETW	FM Rison, WI	95.9	WFT	FM New York, N.Y.		WHHR	Hilton Head SC	106.3
WDEF	FM Chattanooga, Tenn.		WETZ	Charlotte NC	104.7	WFA	FM Fredericksburg, Va.		WHHS	Havertown, Pa.	
WDEH	FM Sweetwater, Tenn.		WEZ	Burlington, VT	92.9	WFA	FM Arlington Heights, IL	88.3	WHHY	FM Montgomery AL	101.9
WDEI	FM Mason, Ga.	105.3	WEZ	N. Syracuse NY	102.9	WFA	FM Sullivan, IL	106.3	WHIM	FM Providence, RI	94.1
WDEQ	FM Da Grap, Ohio	91.1	WEZ	Memphis, TN	90.3	WFB	FM New York, N.Y.		WHIN	FM Grand Rapids, MI	104.5
WDET	FM Detroit, Mich.		WEZ	River Falls, Wis.	106.3	WFB	FM Exmore, VA	107.5	WHIO	FM Dayton, Ohio	
WDEZ	Wausau WI	101.9	WEZ	New Orleans LA	97.1	WFB	FM Green Bay, WI	90.1	WHIR	FM Danville, Ky.	107.1
WDFP	Battle Creek, MI	95.3	WEZ	Charlotte NC	104.7	WFB	FM Green Bay, WI	90.1	WHIZ	FM Zanesville, Ohio	
WDGC	FM Downers Grove, Ill.	88.3	WEZ	Burlington, VT	92.9	WGB	FM Green Bay, WI	90.1	WHJE	Carmel, Ind.	91.3
WDHA	FM Dover, N.J.		WEZ	N. Syracuse NY	102.9	WGB	FM Green Bay, WI	90.1	WHJK	Henderson, KY	103.1
WDHF	Chicago, Ill.		WEZ	Knoxville, Tenn.		WGB	FM Green Bay, WI	90.1	WHKK	Erlanger, Ky.	100.9
WDHK	Wililmington, OH	102.3	WEZ	Charleston, S.C.	103.5	WGB	FM Red Lion, Pa.	91.5	WHKY	FM Charlotte, N. C.	
WDHP	Presque Isle ME	96.9	WEZ	Bridgeport CT	99.9	WGB	FM Columbus, Ga.		WHLA	Holmen, Wis.	
WDHS	Gaston, Ind.	88.9	WEZ	Rochester, NY	101.3	WGB	FM Canton, Mass.		WHLD	FM Niagara Falls, N.Y.	
WDIF	Marion, Oh.	94.3	WEZ	Exmore, VA	107.5	WGB	FM Scranton, Pa.		WHLM	FM Bloomsburg, Pa.	
WDIX	FM Orangeburg, S.C.	100.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHLT	FM Huntington, Ind.	
WDIZ	Orlando, Fla.	93.7	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHLY	FM Leesburg, FL	106.7
WDJC	Birmingham AL	93.7	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHMA	FM Anniston AL	100.5
WDJJ	Westport, CT	104.9	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHME	South Bend, Ind.	
WDJK	Atlanta, Ga.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHMH	FM Sauk Rapids, MN	
WDJQ	Baltimore, MD	107.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHMP	FM Northampton, MA	99.3
WDJR	Oil City, Pa.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHMQ	Findlay, OH	100.5
WDKN	FM Dickson, Tenn.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHNN	Bay City MI	96.1
WDKX	Rochester, NY	103.9	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHNR	FM Cincinnati, O.	103.9
WDLA	FM Walton NY	92.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOD	FM Jackson AL	104.9
WDLB	FM Marshallfield, Wis.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOF	FM Lancaster, Ohio	
WDLK	FM Port Jervis, N.Y.	96.7	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOM	Mount Washington, NH	94.9
WDLT	Clematis MS	92.7	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOO	FM Orlando, Fla.	
WDMB	FM Statesville, N.C.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOP	FM Hopkinsville, Ky.	
WDMG	FM Douglas, Ga.	99.5	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOT	FM Findlay, OH	101.1
WDMP	FM Dodgeville, Wis.	107.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOU	FM Houlton, ME	100.1
WDMT	Cleveland, OH	107.9	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOV	Hampton, Va.	
WDNA	Miami, FL	88.9	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHOW	FM Clinton, IL	95.9
WDNH	Dover NH	97.5	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHPF	FM Harrisburg, Pa.	
WONI	Daytona Beach FL	94.5	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHPC	FM Garden City NY	90.3
WONS	Bowling Green KY	88.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHPE	FM High Point, N.C.	
WDXN	Olive Hill TN	89.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHPI	Hanover, N.H.	
WDOC	FM Prestonsburg, Ky.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHPK	FM Chicago, Ill.	
WDDD	FM Chattanooga, Tenn.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHPR	Highland Park, MI	88.1
WDDH	Delphos OH	107.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHRB	FM Cambridge, Mass.	
WDDK	Cleveland, O.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSL	Albany, N.Y.	
WDDM	Providence, R.I.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSM	Wausau, Wis.	
WDDR	FM Sturgeon Bay, Wis.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHRS	Boyetown, Beach, Fla.	91.7
WDDW	FM Dowagiac, Mich.	97.9	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHRW	Binghamton, N.Y.	
WDDS	Dayton, OH	90.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHRZ	Providence, KY	97.7
WDCN	FM Du Quoin, Ill.	95.9	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSB	Brule, Wis.	
WDRQ	FM Hartford, Conn.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSB	Alpena, Mich.	
WDRM	Decatur AL	102.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSB	Hinsdale, Ill.	88.5
WDRD	Detroit, Mich.	93.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSB	Albany, N.Y.	106.5
WDRU	Detroit, Mich.	95.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSN	Bangor, ME	89.3
WDSO	FM Dillon, S.C.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSR	FM Winchester, Mass.	91.9
WDSD	Dover, Dela.	94.7	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSS	Hamilton, OH	89.5
WDSP	Chesterton, IN	89.1	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHSY	FM Hattiesburg, Miss.	
WDTH	Duluth, Minn.	105.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHTB	Talladega AL	92.7
WDTR	Detroit, Mich.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHTC	FM Holland, Mich.	106.3
WDUB	Granville, Ohio		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHTT	Moline, Ill.	96.9
WDUK	Havana, Ill.	99.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHUB	FM Cookeville, Tenn.	
WDUU	Pittsburgh, Pa.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHUC	FM Hudson, N.Y.	
WDUX	Bradenton FL	103.3	WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHUD	Peekskill NY	100.7
WDVU	FM Waupeca, Wis.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHUG	Wilmington NY	101.7
WDUZ	FM Green Bay, Wis.		WEZ	Green Bay, WI	90.1	WGB	FM Scranton, Pa.		WHUR	Washington DC	96.3
WDVE	Pittsburgh, Pa.										

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WIBF-FM	Jenkintown, Pa.		WJIM-FM	Lewisburg, Tenn.	94.3	WKRQ-FM	Mobile AL	92.7	WLRW	Champaign, Ill.	
WIBG-FM	Philadelphia, Pa.		WJJR	Mifflinburg, PA	98.3	WKRQ	Cincinnati OH	101.9	WLSB-FM	Big Stone Gap Va	93.5
WBI	Carlinville, IL	91.1	WJNR	North Adams MA	89.5	WKT-FM	Corland, NY	99.9	WLSM-FM	Wallace NC	94.3
WIBM-FM	Jackson, Mich.		WJKL	Eglin IL	94.8	WKT-FM	Corland, NY	99.9	WLSM-FM	Louisville, Miss.	
WIBO	Waverly, Ohio	100.9	WJLC-FM	South Boston Va	97.5	WKRX	Vandalia, IL	107.1	WLSR	Lima, Ohio	104.9
WIBQ	Ulita, NY	97.9	WJLE-FM	Smithville, Tenn.	101.7	WKRX	Roxboro, NC	98.7	WLST	Marionetta, WJ	95.1
WIBS	Charleeta, Amalia, VI	97.9	WJLJ-FM	Abury Park, N.J.		WKSA-FM	Isabela, PR	101.5	WLSU	La Grange, Wis.	88.9
WIBW-FM	Togeka, Kan.		WJMJ	Salem, VA	93.5	WKSJ	Eldorado, IL	102.3	WLSW	Scottsdale, GA	99.7
WIBZ	Parkersburg, WV	99.3	WJLN	Birmingham AL	104.7	WKSJ	Mobile AL	94.9	WLTA	Atlanta, GA	102.5
WIBC	Ithaca, N.Y.		WJLY	Mayock, NC	92.1	WKSL	Greencastle-Waynesboro PA	94.3	WLTE	Waycross, GA	102.5
WICN	Worcester, Mass.	90.5	WJMA	Orange VA	96.1	WKSS	Hartford-Meriden, CT	95.7	WLTI	Lowell, Mass.	
WICO-FM	Salisbury, Md.	94.3	WJMC-FM	Rice Lake, Wis.	94.7	WKSU-FM	Kent, Ohio		WLTL	La Grange, Ill.	88.1
WICR	Indianapolis, IN	88.7	WJMD	Bethesda, MD	91.5	WKSV-FM	Cleveland, OH	99.5	WLTR	Columbia, SC	91.3
WIDD-FM	Elizabethton, TN	99.3	WJMF	Smithfield, RI	97.5	WKTA	McKenzie, TN	108.9	WLUR	Lexington, Va.	
WIDE-FM	Blidford ME	94.3	WJMI	Jackson, MS	91.7	WKTC	Tarboro, NC	104.3	WLVC-FM	Chicago, Ill.	88.3
WIDR	Kalamazoo, MI	89.1	WJMJ	Hartford CN	88.9	WKTI	Wilwaukee, WI	99.3	WLVE	Baraboo, Wis.	94.9
WIFE-FM	Indianapolis, IN	107.9	WJML-FM	Petoskey, Mich.	96.9	WKTL	Farmington ME	90.7	WLWH	Hartford CT	93.7
WIFF-FM	Auburn, Ind.		WJMM	Versailles KY	100.9	WKTL	Catonsville, MD	105.7	WLVL	Louisville, Ky.	
WIFI	Philadelphia, Pa.		WJMT-FM	Merrill, WI	98.9	WKTL	Struthers, OH	90.7	WLVR-FM	Bethlehem PA	91.3
WIFN	Franklin, Ind.		WJMU	Deatur, Ill.	89.9	WKTM	Charleston, SC	95.3	WLWV	Earle, PA	94.9
WIFO-FM	Jesup, GA	105.5	WJNJ-FM	Atlantic Beach, Fla.	104.9	WKTN	Kenton, Ohio	92.3	WLWV	Farfield, OH	94.9
WIG	Miami, FL	107.5	WJNL-FM	Johnstown PA	96.0	WKU	Wabash, Ind.	95.9	WLXN	Lexington, N.C.	94.1
WIGM-FM	Medford, Wis.	99.3	WJNO-FM	Palm Beach FL	97.9	WKWB	Manitowoc, Wis.	92.1	WLXR	La Grange, WI	104.9
WIGS-FM	Gouverneur, NY	92.7	WJNR	Iron Mt. MI	103.9	WKUW	Wabash, Ind.	95.9	WLYF	Miami, Fla.	101.5
WIMN	Normal IL	96.7	WJNS	Yazoo City, MS	104.3	WKVI-FM	Knox, Ind.	99.3	WLYK	Millford-Marionetta OH	107.1
WIHS	Middletown, Conn.		WJOF	Athens AL	95.7	WKVM-FM	San Juan, PR	105.7	WLYN-FM	Lynn, Mass.	101.7
WIK	Centerville, TN	98.7	WJPH	Plainsboro, PA	96.3	WKVO-FM	Havelock, NC	104.9	WLYC-FM	Cleveland Heights OH	92.3
WIKI-FM	Cherbor, Pa.		WJPI	Pleayune MS	106.3	WKVT-FM	Brattleboro, VT	92.7	WLYX	Memphis TN	89.3
WIKL-FM	Evansville, Ind.		WJQX	Jackson, MI	106.1	WKVI	Kilmarnock, VA	101.7	WMAJ-FM	State College, Pa.	
WIL-FM	St. Louis, MO	92.3	WJPA-FM	Washington, PA	95.3	WKWK-FM	Wheeling, W.Va.		WMAJ-FM	State College, Pa.	
WILE-FM	Cambridge, O.		WJPD	Ishpeming MI	92.8	WKXJ	Syosset NY	88.5	WMAJ-FM	Washington, D.C.	
WILL-FM	Urbana, Ill.		WJRF-FM	Detroit, MI	96.9	WKXJ	Jackson, Miss.	94.7	WMAJ-FM	Washington, D.C.	
WILO-FM	Frankfort, Ind.	105.1	WJRH	Amesbury, NY	103.1	WKXL-FM	Concord, NH	102.3	WMAJ-FM	Baltimore, Md.	106.5
WILQ-FM	Williamsport PA	105.1	WJRS	Wilmington, N.C.	100.1	WKXR-FM	Exeter NH	107.1	WMAJ-FM	Springfield, MA	94.7
WILS-FM	Albany, Mich.		WJRX	Ship Bottom, NJ	100.1	WKY	San Juan, P.R.	99.9	WMAZ-FM	Macon, Ga.	
WIM	Ironwood, MI	89.7	WJSC-FM	Johnson VT	91.5	WKYV	Washington, DC	93.9	WMBG	Williamsburg, Va.	96.5
WINE-FM	Brookfield, Conn.	95.1	WJSK	Lumberton, N.C.	102.3	WKYV	Frankfort, Ky.		WMBI-FM	Chicago, Ill.	102.1
WINK-FM	Ft. Myers, Fla.		WJSM-FM	Martinsburg, Pa.	92.7	WKYF	Paducah, Ky.		WMBJ	Danville, IL	102.1
WIOF	Waterbury CT	104.1	WJSR	Athens, GA	104.7	WKZL	Winston-Salem, NC	107.5	WMBL-FM	Morehead City NC	95.9
WIOG	Saginaw, MI	98.3	WJW	Jackson, MS	90.5	WKZM	Sarasota FL	105.5	WMBN-FM	Petoskey, Mich.	
WIOK	Hempstead, NY	102.1	WJWS	Morrislow, N.J.	95.3	WKZM	Zion, Ill.	96.9	WMBN-FM	Chattanooga TN	89.9
WIOD	Philadelphia, PA	102.1	WJWJ	West Point, MS	95.3	WKZQ	Myrtle Beach SC	101.7	WMBW	Chattanooga TN	89.9
WIOT	Toledo OH	104.7	WJWV	Stirling, IL	94.3	WLAD-FM	Danbury, Conn.		WMC-FM	Memphis, Tenn.	
WIOV	Ephrata, Pa.	107.1	WJVS	Cincinnati, OH	98.3	WLAF-FM	La Grange, Ga.	104.1	WMCB-FM	Michigan City, Ind.	
WIOZ	Southern Pines NC	107.1	WJWF	Columbus MS	103.1	WLAK	Chicago IL	93.9	WMC	Statesboro, Ga.	
WIPE	Americus GA	91.3	WJZZ	Detroit, MI	105.9	WLAL	Lancaster, Pa.		WMC	Stuart, Fla.	
WIPR-FM	San Juan, PR	102.9	WKA	Macomb, Ill.		WLAP-FM	Lexington, Ky.		WMC	New Concord, Ohio	106.3
WIOB	Ann Arbor, MI	88.3	WKAJ-FM	Saratoga Springs, N.Y.	102.3	WLAV-FM	Conway, S.C.		WMC	Stuart, Fla.	
WIOE	Concord, Mass.	96.9	WKAQ-FM	San Juan, P.R.		WLAX	Streator, IL	97.7	WMC	Stuart, Fla.	
WIRB-FM	Enterprise AL	96.9	WKB	E. Lansing, Mich.		WLBY-FM	Beaufort, N.C.		WMC	Stuart, Fla.	
WIRK-FM	West Palm Beach, Fla.	107.9	WKAU-FM	Kaukauna WI	104.9	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIRN	Virginia MN		WKAY-FM	Glasgow, Ky.	100.9	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIRO	Rochester, NY	90.9	WKBB	West Point, MS		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIRX	St. Joseph, MI	107.1	WKBC-FM	N. Wilkesboro, N.C.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WISM-FM	Madison, Wis.		WKBI-FM	Ridgway-Johnsburg PA	94.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WISN-FM	Milwaukee, Wis.		WKBL-FM	Milan, Tenn.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WISS-FM	Berlin WI	102.8	WKBL-FM	Covington, Tenn.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WISU	Terre Haute, Ind.		WKBN-FM	Youngstown, Ohio		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WISZ-FM	Glen Burnie, Md.		WKBY-FM	Richmond, Ind.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITA-FM	San Juan, P.R.	91.1	WKCB-FM	Hindman, KY	107.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITB-FM	Salem, WV	89.5	WKCC	Grayson, KY	91.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITF-FM	Hershey, Pa.		WKCF	Shell Lake WI	95.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITL-FM	Lansing, Mich.		WKCI	Hamden CT	101.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITO	Ironton OH	107.1	WKCO	Gambier OH	98.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITR	Henrietta, NY	89.7	WKCR-FM	Saginaw MI	96.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITT	Tuscola, IL	93.5	WKCR-FM	New York, N.Y.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITW	Cadillac, MI	96.7	WKCS	Knoxville, Tenn.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WITZ-FM	Jasper, Ind.		WKCU-FM	Corinth, Miss.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIUC	Windsor, Ind.		WKDA-FM	Nashville, TN	103.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIUJ	St. Thomas, VI	88.9	WKDE-FM	Altavista, VA	105.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIUF-FM	Indiana, Pa.	91.3	WKDJ	Winchester, VA	100.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIUS	Christiansted, V.I.		WKDK	Camden, N.J.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIUV	Castleton, VT	91.3	WKDR	Henderson, KY	99.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIVA-FM	Agua Dulce, P.R.	100.3	WKDU	Philadelphia, PA	96.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIVE	Peoria, Ill.		WKDZ-FM	Cadiz KY	101.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIVF-FM	Ashland, Va.		WKEE-FM	Huntington, WV	100.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIVI-FM	Christiansted, St. Croix, V.I.		WKEI-FM	Kewanee, Ill.	101.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIVK-FM	Knoxville, Tenn.		WKES	St. Petersburg FL	89.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIVY-FM	Jacksonville, Fla.		WKEF	Kettering, OH		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIXK-FM	New Richmond, Wis.	107.1	WKEG	Fulton NY	95.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIXL-FM	Newtown, N.J.		WKEZ	Norfolk, Va.	95.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIXN-FM	Dixon, Ill.		WKF	Fulton NY	104.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIXX	Green Bay, WI	101.1	WKR-FM	Battle Creek, MI	90.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIYD-FM	Palatka FL	89.9	WKGC-FM	Parma City, FL	90.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIYQ	Embensburg PA	104.9	WKGD	Cumberland, Md.	106.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WIZR-FM	Johnstown, N.Y.	95.5	WKGW	Ulita, NY	104.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAC-FM	Johnston, Pa.	91.3	WKHR	Pikeville KY	92.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAD	Bainbridge, GA	97.3	WKHS	Worton MD	90.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAG-FM	Norfolk, NE	106.7	WKIR	Jackson, TN	104.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAJ	Eaton, OH	92.9	WKIT	Hendersonville, N.C.	102.5	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAT-FM	Swainsboro, Ga.		WKJB-FM	Marysue, P.R.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAX-FM	Jacksonville, Fla.		WJKR-FM	Muskegon Heights MI	101.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJAZ	Albany, Ga.		WKKE	Chicago, IL	89.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBD-FM	Salom IL	100.1	WKKD-FM	Aurora, Ill.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBI	Clarksdale MS	101.7	WKKI	Green Cove Springs, FL	92.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBK-FM	Detroit, Mich.		WKKM	Harrison, MI		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBL-FM	Holland, Mich.		WKLA-FM	Ludington, Mich.	108.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBM-FM	Jerseyville, Ill.		WKLC-FM	St. Albans, V.A.		WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBQ-FM	Searborough, ME	106.3	WKLD	Oneonta, AL	97.7	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBR	Wilmington, Del.		WKLF-FM	Glanton, Ala.	92.3	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJBW-FM	Hampton, S.C.	103.1	WKLG	Montgomery, Ala.	100.9	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJCC	Angola, Ind.	100.1	WKLI	Cullman AL	92.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJCD-FM	Seymour, Ind.		WKLP-FM	Keyser WV	94.1	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	
WJCK	Rensselaer IN	97.7	WKL	Toledo, O.	99.9	WLBR-FM	Lawrence, Mo.		WMC	Stuart, Fla.	

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WMRT	Marietta, OH	88.3	WOGM	Greenville, Tenn.		WPSR	Evansville, Ind.	97.5	WRFB	Stowe, VT	101.7
WMRV	Endicott, N.Y.	105.5	WOGM	Greenville, Tenn.	98.3	WPST	Trenton NJ		WRFE	Aguaada, PR	105.5
WMRY	E. St. Louis, Ill.		WOHS-FM	Shelby, N.C.		WPTH	Fort Wayne, Ind.	97.5	WRFG	Atlanta, GA	91.0
WMSB	Mississippi State, MS		WOI-FM	Ames, Iowa		WPTN	Roanoke Rapids, Va.	102.3	WRFG-FM	Richmond, VA	106.5
WMSB	Upper Montclair, NJ	89.1	WOIV	De Ruyter Twp., NY	105.1	WPTN-FM	Cookeville, Tenn.		WRFL	Winchester, VA	92.5
WMSG-FM	Oakland, Md.	105.5	WOJO	Evansville IL	108.1	WPTW-FM	Piqua, Ohio		WRFM	New York, NY	105.1
WMSH-FM	Elizabethtown, Pa.		WOKA-FM	Douglas, GA	108.7	WPUB-FM	Camden, SC	94.3	WRFN	Nashville, TN	88.1
WMSK-FM	Morganfield, Ky.		WOKN-FM	Oak Ridge TN	100.3	WPUR	Amerleus VA	97.7	WRFS-FM	Alexander City, AL	108.1
WMSR-FM	Harrisburg, Pa.		WOKU-FM	Greensburg, Pa.		WPUV-FM	Pulaski, Va.		WRFW	River Falls, WI	88.7
WMSR-FM	Manchester, Tenn.		WOL1-FM	Alton, Ill.		WPVM	Cumberland, MD	102.9	WRFY-FM	Reading, PA	102.5
WMT-FM	Mt. Sterling, Ky.	105.5	WOLA-FM	Carolina, P.R.	107.7	WPVA-FM	Petersburg VA	95.3	WRGA-FM	Rome, GA	102.3
WMSU	Hattiesburg MS	91.1	WOLP	Princess Anne, MD	102.5	WPWR	St. George, S.C.	95.9	WRGT-FM	Clarkburg, FL	93.5
WMT-FM	Cedar Rapids, Ia.	96.5	WOLD-FM	Marion, Va.		WPWT	Philadelphia, Pa.		WRHT-FM	Roanoke, VA	102.3
WMTF	Stowe, VT	91.5	WOLI	Ottawa, Ill.		WPXI	Charleston SC	95.1	WRHL-FM	Rochelle, WV	101.7
WMTL-FM	Park Ridge, Ill.		WOMA	Tallahassee, Fla.		WPXJ	Rochester, NY	87.9	WRHN	Rhineclander, WI	107.9
WMTL-FM	Leitchfield, Ky.		WOMC	Detroit, Mich.	104.3	WPYB	Phillippi, NH	91.3	WRHR	Henrietta, NY	90.5
WMTM-FM	Moultrie, Ga.		WOMP-FM	Bellaire, Ohio		WQAL	Cleveland, OH	104.1	WRHS	Park Forest, IL	88.1
WMTS-FM	Murfreesboro, Tenn.		WONA-FM	Winona, MS	98.7	WQAR	Hamden CT	88.7	WRHY	Starview PA	92.7
WNUA	Amherst, Mass.		WONG	Naperville, Ill	99.1	WQBE	Charleston, WV	97.5	WRIL	Detroit, Mich.	101.1
WMUB	Oxford, Ohio		WONT-FM	Syracuse, N.Y.		WQBK-FM	Rensselaer NY	103.9	WRIO-FM	Cape May, N.J.	100.1
WMUH	Allentown, Pa.		WONT	Ozonia, NY	103.1	WQBX	Rensselaer NY	103.9	WRIU	Kington, RI	91.1
WMUK	Kalamazoo, Mich.		WONY	Onondaga NY	90.9	WQCM	Kinston, NC	87.7	WRJB	Camden, TN	98.3
WMUL	Huntington, W.Va.		WOGA	Goulds, FL	96.3	WQDN	Halfway, MD	96.7	WRJC-FM	Mauston, WI	92.1
WMUM	Marathon, FL	94.3	WOOD-FM	Grand Rapids, MI	105.7	WQDR	Juriling VT	98.9	WRJB	Branden, MS	97.7
WMUN	Moneta, Ind.					WQDY	Quincy Ill	94.7	WRJR	Lowiston, MS	91.5
WMUU-FM	Greenville, S. C.		WOOF-FM	Dothan AL	99.7	WQED-FM	Calais, ME	92.7	WRKB-FM	Kannapolis, NC	99.7
WMUZ	Detroit, Mich.		WOOR	Oxford, Miss.	97.5	WQEN	Pittsburgh PA	88.3	WRKD-FM	Rockland, ME	95.5
WMVA-FM	Martinsville, Va.		WOA-FM	Oak Park, Ill.	90.3	WQEZ	Gadsden AL	95.5	WRKM-FM	Carthage, TN	102.3
WMVB-FM	Millville, N.J.		WOPR	Oak Park, Ill.	90.3	WQFL	Rockford IL	100.9	WRKT-FM	Cocoa Beach FL	104.1
WMVC-FM	Milledgeville, Ga.		WORA-FM	Mayaguez, P.R.		WQGL	Butler, AL	93.5	WRKY-FM	Steubenville, OH	103.5
WMVO-FM	Mt. Vernon, O.	98.7	WORJ-FM	Mt. Dora, Fla.	107.7	WQJL	Jeffersonville IN	95.7	WRLB	Long Branch, NJ	107.1
WMWM	Salem, MA	91.7	WORS	Windsor, Conn.	101.9	WQKJ	La Oak FL	96.1	WRLC	Williamsport, PA	101.7
WMXN	Lake Forest IL	88.9	WORK	Barre, VT	107.1	WQKH	Andalusia AL	95.1	WRLM	Taunton, Mass.	93.3
WMYB-FM	Myrtle Beach, Fla.		WORM-FM	Savannah, Tenn.		WQHS	Oswego NY	107.7	WRLS	Huntingdon, PA	100.3
WMYK	Elizabeth City NC	93.7	WORO	Corozal, P.R.	92.5	WQHW	Venice FL	92.1	WRLS	Haywood, Wis.	92.1
WMYR-FM	Fl. Myers, Fla.		WORO	Madison, W.I.	89.7	WQIB	Biloxi, MS	93.7	WRLL	Auburn NY	108.9
WMYK	New Bedford, MA	98.1	WORW	Port Huron MI	91.9	WQIK-FM	Jacksonville, Fla.		WRMC-FM	Middlebury, VT	91.7
WNAN	Demopolis, AL	108.3	WORX-FM	Madison, Ind.	101.9	WQJH	Horseheads, N.Y.	100.9	WRMI-FM	Morris, IL	98.3
WNAP	Indianapolis, Ind.	93.1	WOSH	Oakdash, WI	93.9	WQLH	Wes Point MS	100.9	WRMS-FM	Beardstown, IL	94.3
WNAS	New Albany, Ind.		WOSM	Ocean Springs, Miss.	103.1	WQKX	Newbury MA	88.7	WRMU	Alliance, Ohio	91.1
WNAT-FM	Natchez, Miss.		WOSS	Ossining, NY	90.3	WQLN	Richmond IN	96.1	WRNE	Houlton, ME	89.1
WNAU-FM	New Albany, MS	103.3	WOSU-FM	Columbus, Ohio		WQLR	Keokuk IA	91.3	WRNO	New Orleans, LA	95.5
WNAV-FM	Annapolis, Md.		WOTT-FM	Middletown, RI	107.1	WQLS	Kalazamoo MI	108.5	WRNS	Kinston, NC	95.1
WNAZ-FM	New Britain, Conn.		WOTT-FM	Watertown N. Y.	97.5	WQLT	Florence AL	107.3	WROA-FM	Guilford, MS	107.1
WNBD-FM	Daytona Beach, Fla.		WOTW-FM	Nashua, N. H.	97.5	WQLX	Gallion, OH	102.3	WROE	Neenah-Menasha WI	94.3
WNBI-FM	Park Falls, WI	98.3	WUUB-FM	Athens, Ohio		WQMC	Charlottesville, VA	95.3	WROI	Rochester, IN	92.1
WNBX-FM	Keene, NH	103.7	WOUR	Utalia NY	96.9	WQMF	Babylon, N.Y.		WROM-FM	Rome, GA	97.7
WNBC	Burlington-Gorham NC	101.1	WOVE	Weich, W. Va.		WQMG	Greensboro, N.C.	98.3	WROQ	Charlotte NC	95.1
			WOWI	Novi, MI	89.5	WQMS	Hamilton, Ohio		WROU	Boston, Mass.	98.5
WNCI	Worthington-Columbus, O.		WOWJ	Glasgow KY	105.8	WQMT	Chatsworth, GA	99.3	WRPA-FM	Albany, NY	95.5
WNCN	New York, NY	104.3	WOVU	Pt. Pierce, Fla.		WQMU	Indiana, Pa.	103.1	WRPI	Troy, NY	91.5
WNCO-FM	Ashland OH	101.3	WOWD	Tallahassee, FL	103.1	WQNX	Natchez, MS	95.1	WRPM-FM	Poplarville, MS	107.9
WNCY	Springvale, Me.	91.1	WOWE	Rossville, GA	105.1	WQOJ	Youngstown, OH	83.5	WRPN-FM	Ripon, WI	90.1
WNDN	Huntsville AL	95.1	WOWX	Norfolk, Va.	102.9	WQOX	Memphis TN	88.5	WRPS	Rockland, MA	91.5
WNDH	Napoleon OH	103.1	WOWN	Norway, ME	92.7	WQPM	Princeton, MN	108.3	WRPQ	Westbrook, ME	100.9
WNDU	Kingston, N. Y.		WOXR	Oxford, Ohio		WQQO	Harrisonburg, VA	100.7	WRQR	Farmville, NC	94.3
WNDU-FM	South Bend, Ind.		WOY-FM	Mayaguez, P.R.		WQQR	Easton PA	99.3	WRR-FM	Dallas, TX	101.1
WNDY	Crawfordsville, Ind.		WPAA	Andover, Mass.		WQRB	Pittsfield, Mass.	99.9	WRRG	River Grove, IL	88.9
WNDC-FM	Henniker, N.H.	91.7	WPAB-FM	Ponca, P.R.		WQRC	Barnstable, MA	107.1	WRRH	Franklin Lakes, NJ	88.7
WNES-FM	Central City, KY	101.9	WPAC-FM	Patchoque, N.Y.		WQRK	Norfolk VA	104.5	WRRK	Manistee, MI	97.7
WNEW-FM	New York, N.Y.		WPAD-FM	Paducah, Ky.		WQRS-FM	Detroit, Mich.	106.3	WRRN	Warren, PA	92.3
WNEF-FM	Macon, Ga.		WPAG-FM	Ann Arbor, Mich.	107.1	WQSA	Bentley, Ala.	100.9	WRRZ-FM	Clinton, NC	107.1
WNFM	Dayton, TN	104.9	WPAJ-FM	Lancaster, SC	107.1	WQSI	Union Springs, AL	100.9	WRSB	Decatur, AL	99.9
WNGC	Athens, Ga.	95.5	WPAP-FM	Panama City, Fla.	92.5	WQSM	Fayetteville, N.C.	98.1	WRSE-FM	Elmhurst, IL	88.7
WNGO	Portsmouth VA	88.7	WPAT-FM	Paterson, N.J.		WQSR	Sarasota FL	102.5	WRSF	Miamisburg, OH	89.7
WNHU	West Haven CT	88.7	WPAY-FM	Portsmouth, Ohio		WQST	Forest, Miss.	88.9	WRSH	Rockingham NC	91.1
WNHV-FM	White River Junction, Vt.		WPBC-FM	Banger, ME	92.9	WQTC-FM	Two Rivers, Wis.	103.1	WRST-FM	Bayamon, P.R.	95.9
WNIB	Chicago, Ill.		WPBF	Middletown, OH	105.9	WQTI	Dunn, N.C.	88.3	WRSU-FM	Oakshoek WI	90.3
WNIC-FM	Dearborn MI	100.3	WPBS	Philadelphia, Pa.		WQUN	Hartford CT	104.5	WRSU-FM	New Brunswick NJ	89.1
WNIL-FM	Niles, Mich.	95.3	WPBS	Philadelphia, Pa.		WQUE	New Orleans LA	93.3	WRSV	Rocky Mount, NC	92.1
WNIS-FM	Chicago, IL	101.1	WPCC	Decatur, GA	94.9	WQUH	DeFuniak Springs FL	103.1	WRSW-FM	Warsaw, IN	107.3
WNIU-FM	Dekalb, Ill.	89.5	WPGR-FM	Plymouth NH	90.3	WQVK	Johnston City, Tn.	101.5	WRTF-FM	Hartford, CT	89.3
WNJC-FM	Senatobia, Miss.	90.1	WPSC	Pensacola, Fla.	89.3	WQWQ-FM	State College Pa.	96.7	WRTE	Chakolia, IL	89.5
WNKO	Newark OH	101.7	WPDH	Poughkeepsie NY	101.5				WRSV	Skokie, Ill.	
WNLA-FM	Madison, Miss	105.5	WPDF-FM	Portage, Wis.					WRSW-FM	Warsaw, Ind.	
WNLK-FM	Norwalk CT	88.7	WPDX-FM	Clarksburg, W. Va.					WRTF	Philadelphia, Pa.	90.1
WNMB	N. Myrtle Beach SC	105.8	WPFA	Exeter NH	104.9				WRTL-FM	Rantoul, IL	105.3
WNMU-FM	Marquette, MI	90.1	WPGE	Concord, N.C.	97.9				WRTM	Blountstown, Fla.	92.3
WNNN	Canton, N.J.	101.7	WPHE-FM	Louisville, GA	92.1				WRTV	Blountstown, Fla.	100.3
WNNO-FM	Wisconsin Dells, W. Va.		WPFL-FM	Montrose, Pa.	94.5				WRUC	Schenectady, NY	90.9
WNNS	Louisville, KY	107.1	WPFT-FM	Greensboro NC	98.7				WRUF-FM	Gainesville, Fla.	
WNNT-FM	Warsaw, Va.	97.5	WPWZ	Pittsburgh PA	94.5				WRUL	Carmi, IL	97.3
WNBO	Cleveland, Ohio		WPX	Los Angeles, Cal.	90.7				WRUM-FM	Rumford, ME	98.3
WNOC-FM	New Orleans, La.		WPFL	Winter Park, FL	87.9				WRUR	Rochester, N.Y.	88.5
			WPFM	Panama City FL	108.9				WRUV	Burlington, Vt.	97.1
WNPF	St. Paul, Minn.	101.1	WPFM	Panama City FL	108.9				WRUV-FM	Cleveland, O.	
WNPI	Flora, Ill.	103.9	WPFW	Washington, DC	89.3				WRV	Norfolk, Va.	
WNPK-FM	High Point, N.C.		WPGA-FM	Perry, Ga.					WRVF	River Falls, Wis.	
WNPN	Lebanon, Ind.		WPGF-FM	Baldensburg, Md.	95.5				WRVW	Suring, Wis.	89.9
WNPR-FM	Norfolk, Va.		WPGI	Pittsburgh, Pa.	96.7				WRVW-FM	Oswego, N.Y.	
WNPQ	New Philadelphia, Ohio		WPGM-FM	Danville, Pa.	96.7				WRVW-FM	New York, N.Y.	
			WPGT	Roanoke Rapids NC	90.1				WRVW	Richmond VA	94.5
WNRC	Dudley, MA	95.9	WPGU	Roanoke Rapids NC	90.1				WRVA-FM	Tn.	
WNRE	Cireleville, O.	107.1	WPGU	Urbana, Ill.	100.9				WRWC	S. Beloit, Ill.	91.1
WNRF-FM	Grundly, Va.		WPGW	Portland IN					WRWC	Port Clinton, Ohio	102.1
WNRR	Bellevue OH	92.1	WPKY	Warren, Mich.					WRXX	Centralla, IL	95.3
WNSD	Cincinnati OH	90.1	WPKS	Warren, Mich.					WRXY	Crystal River, FL	98.5
WNSL-FM	Laurel, Miss.		WPKT	Titusville, Fla.	89.9				WRYZ-FM	Jupiter, FL	96.7
WNTE	Mansfield, Pa.	89.5	WPKU	Pittsburgh, Pa.							
WNTE	Winnetka, Ill.		WPLB-FM	Greenville, MI	107.3						
WNTI	Hackettstown N.J.		WPLC	Plantation Key, Fla.							
WNTO	Naples, FL	92.1	WPLJ	New York, N.Y.	95.5						
WNTQ	Syracuse, NY	93.1	WPLM-FM	Plymouth, Mass.							
WNUB-FM	Northfield, Vt.		WPLN	Nashville, Tenn.							
WNUF	New Kensington PA	100.7	WPLR	Los Angeles, Ga.							
WNUK	Evanston, IL	89.3	WPLR	New Haven, Conn.	99.1						
WNVA-FM	Norton, Va.	106.3	WPLZ	Petersburg VA	99.3						
WNWC	Madison WI	102.5	WPMF-FM	Punxsutawney PA							
WNWR	Canal Fulton, OH	90.9	WPMO	Pascagoula, MS	105.1						
WNWS	New York, NY	97.1	WPMF-FM	Chilton WI	89.3						
WNWY-FM	Portway, Me.	105.5	WPNB-FM	Plymouth, NH	100.1						
WNX-FM	New York, N.Y.	95.9	WPOB	Plainville, MS	88.5						
WNYC-FM	New York, N.Y.		WPOC	Baltimore, Md.	93.1						
WNYN-FM	New York, N.Y.		WPOK-FM	Pontiac, Ill.	103.1						
WNYU-FM	New York NY		WPOP-FM	Portland, Me.							
WOAB	Ozark AL	89.9	WPOS-FM	Holland, O.							
WOAK	Royal Oak, Mich.		WPPA-FM	Pottsville, Pa.							
WOAP-FM	Owosso, Mich.		WPPL	Blue Ridge, Ga.	108.9						
WOAY-FM	Oak Hill, W.Va.		WPQR-FM	Unlontown, Pa.	98.5						
WOBG	Oberlin, O.		WPRB	Princeton, N.J.							
WOBM	Toms River, N.J.		WPRC-FM	Lincoln, Ill.	100.1						
WOBN	Westerville, Ohio		WPRE-FM	Prairie Du Chien, Wis.	94.3						
WOBR-FM	Wanehesa NC	95.3									
WOCB-FM	W. Yarmouth, Mass.		WPRK	Winter Park, Fla.							
WOCG	Huntville, Ala.	90.1	WPRM-FM	San Juan, P.R.	98.5						
WOCH-FM	North Vernon, Ind.		WPRO-FM	Providence, R.I.							

U.S. FM STATIONS BY CALL LETTERS

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Call	Location	MHz
WSDM	Chicago, Ill.		WTBO-FM	Cumberland, Md.		WVGR	Loudenville, N.Y.	91.9	WWOS	Palm Beach, Fla.	90.3
WSDP	Plymouth, Mi	89.3	WTBS	Cambridge, Mass.		WVCS	California, Pa.	107.7	WWPH	Princeton Junction, NJ	90.3
WSEA	Georgetown, Del.	93.5	WTEA	FM Plymouth, IN	84.3	WVCY	Milwaukee, WI		WWPT	Westport, CN	90.3
WSEC	Williamston, NC	103.7	WTCC	Springfield, MA	90.7	WVEC	FM Hampton, Va.		WWPV	FM Colchester, VT	88.7
WSEF	FM Seneca Falls, N.Y.	99.3	WTCH	FM Shawano, WI	100.1	WVFL	FM Fayette AL	98.1	WWQC	Quincy, IL	90.3
WSEI	Olney, Ill.	92.9	WTOM	FM Traverse City, Mich.		WVEM	Springfield, Ill.		WWRH	Columbus, GA	95.3
WSEK	Maraset, Ky.		WTOP	FM Campbellville, Ky.		WVEN	Franklin, Pa.	99.3	WWRJ	Southampton, NY	95.3
WSEL	FM Pontotoc, Miss.		WTQV	Vidalia, Ga.	97.7	WVEP	East Montpelier, VT	88.3	WWRK	Elberton, GA	92.1
WSEN	FM Baldwinville, N.Y.		WTCV	Shelbyville, TN	93.1	WVEZ	Louisville, Ky.	106.9	WWRM	Gaylord, MI	106.7
WSEV	FM Sevierville, TN	102.1	WTCW	FM Whitesburg, Ky.		WVFE	Lakeland, Fla.		WWRN	West Palm Beach, FL	92.1
WSEZ	Winston-Salem, NC	93.1	WTDL	FM Lake City, Fla.	94.3	WVFD	Dundas, Ill.		WWSO	FM Glens Falls, N.Y.	
WSFL	Bridgeport, NC	106.5	WTFM	Lake Success, NY	103.5	WVGR	Grand Rapids, Mich.	104.1	WWSJ	Jamestown, NY	93.3
WSFM	Harrisburg, Pa.	89.3	WTGI	Hammond, LA	103.3	WVGS	Statesboro, GA	91.3	WWSH	Philadelphia, Pa.	105.1
WSGF	FM Savannah, GA	95.5	WTGM	Norfolk VA	88.5	WVHC	Hempstead, N.Y.		WWSM	Bay Minette, AL	105.1
WSGH	FM Winston-Salem, NC	107.5	WTGN	Lima, O.		WVHF	FM Clarkburg, WV	92.7	WWSR	St. Albans, VT	102.3
WSGM	Staunton, Va.		WTGP	Greenville, PA	88.1	WVHI	Evvnsville, Ind.		WWSW	FM Wooster, OH	104.5
WSGO	FM Oswego NY	105.5	WTHI	FM Terre Haute, IN	99.9	WVHP	FM Highland Park NJ	90.3	WWSX	FM Bethany Beach, DE	95.9
WSGR	FM Port Huron, Mich.	91.3	WTHJ	Lobelville, TN	94.3	WVIA	FM Scranton PA	89.9	WWTU	FM Cadillac, Mich.	
WSGS	Hazard, Ky.	101.1	WTHM	FM Lapeer, Mich.		WVIC	FM E. Lansing, Mich.		WWTY	Corinth, Miss.	
WSHA	Raleigh, N.C.	88.9	WTHO	FM Thomson, GA	101.7	WVJK	Rock Island IL	91.1	WWTZ	W Hartford CT	91.3
WSHC	Shepherdstown, WV	88.7	WTIB	Iuka, Miss.	104.9	WVIM	FM Coldwater, MS	95.3	WVVA	FM Wheeling, W.Va.	
WSHE	FT. Lauderdale FL	103.5	WTIC	FM Hartford, Conn.		WVIN	FM Hammondsport, NY	98.3	WVVR	W. Terre Haute, Ind.	
WSHG	Georgetown SC	106.3	WTIO	Charleston, W. Va.	106.3	WVIP	FM Mount Kisco, N.Y.		WVWA	Walpole, MA	91.5
WSHH	Pittsburgh PA	99.7	WTJW	Plainville Ky		WVIS	FM Owensboro, Ky.		WVWB	FM Jasper AL	102.5
WSHJ	Southfield, MI		WTJV	Charlottesville, Va.		WVJC	MT Carmel IL	89.1	WVWJ	Johnstown, OH	103.1
WSHL	FM Easton, MA	91.3	WTKM	FM Hartford VA	104.9	WVJP	FM Caguas, P.R.		WVWM	Cleveland, OH	103.5
WSHN	FM Easton, MI	100.1	WTKY	FM Tompkinsville, Ky.	92.1	WVIS	FM Scranton, Pa.	94.7	WVWW	FM Toledo, Mich.	107.1
WSHR	Lake Ronkonkoma, N.Y.		WTLB	FM Utica, NY	107.3	WVLC	FM Orleans, MA	104.7	WVXX	Columbus, IN	104.9
WSHS	Sheboygan WI	91.7	WTLN	FM Apopka, Fla.	95.3	WVLD	FM Lexington, Ky.		WVYZ	Summerville, SC	93.5
WSHU	Fairfield, CT	91.1	WTMB	FM Tomah, Wis.		WVLR	FM Sausalito, CA	91.5	WXXL	FM Manchester, Ky.	
WSHV	South Hill VA	105.5	WTME	Manning SC	92.1	WVLS	FM Sikeston, Mo.	91.5	WYYD	White Plains, NY	103.9
WSHY	FM Shelbyville, Ill.	104.9	WTMI	Miami, Fla.		WVLM	FM Elmwood Park, IL	105.5	WYYN	FM Erie, Pa.	
WSID	FM Baltimore, Md.		WTMO	Tishomingo, Miss.		WVLK	FM Lexington, Ky.		WYYZ	Waterbury CT	92.5
WSIE	Edwardsville, Ill.	88.7	WTNC	FM Thomasville, N.C.		WVLR	Sauk City, Wis.	91.5	WYAC	Reading, Pa.	
WSIF	Wilkesboro, NC	90.1	WTNS	FM Cashcocton, O.		WVMS	Cochrans, Ga.	96.7	WYAX	Elkhart, Ind.	
WSIM	Red Bank TN	94.3	WTNT	FM Tallahassee, Fla.		WVMO	FM Monroe, Mich.		WYBA	Brentwood, NY	88.5
WSIP	FM Paintsville, Ky.		WTOC	FM Savannah, Ga.		WVMH	FM Mars Hill, NC	90.5	WYBM	FM Milton, Fla.	
WSIU	Carbondale, Ill.		WTFD	FM Toledo, Ohio		WVMO	Monroe, Mich.		WYCB	Danbury CT	91.7
WSIV	FM Pekin, Ill.		WTFP	Canton, OH	98.1	WVMS	Chattanooga, Tenn.	88.9	WYCD	Newark, DE	91.3
WSIX	FM Nashville, Tenn.		WTFQ	FM Marianna, Fla.	107.1	WVMT	FM Scranton, Pa.	91.5	WYCN	Cleveland, O.	106.5
WSJC	FM Magee, Ms.		WTFR	FM Harrisburg, Pa.		WVMT	FM Scranton, Pa.	91.5	WYCX	Sylvania, OH	105.8
WSJY	Haltersville, Pa.		WTPA	FM Harrisburg, Pa.		WVNW	FM Scranton, Pa.	91.5	WYD	FM Elmwood Park, IL	105.9
WSKB	Westfield, MA	91.5	WTPC	Elsah, Ill.	89.7	WVNM	FM Tusculum AL	100.3	WYGC	Milledgeville, GA	88.9
WSKG	FM Binghamton, NY	89.3	WTPM	Aguadilla, P.R.	92.9	WVNI	FM Newark, N.J.		WYID	Mayfield, KY	94.7
WSKP	FM Sebring FL	105.5	WTPR	FM Paris, Tenn.		WVNO	FM Mansfield, Ohio		WYIL	Parkersburg, WV	95.1
WSKV	Stanton, Ky	104.9	WTQR	Winston-Salem NC	104.1	WVNS	Tuskegee, AL	95.9	WYIS	Erwin, Tenn.	103.9
WSLE	Peterborough, NH	92.1	WTQX	FM Seneca AL	100.9	WVOF	Fairfield, CT	88.5	WYJY	Bay Springs, MS	103.9
WSLI	FM Jackson, Miss.		WTRF	Wheeling WV	107.5	WVOH	FM Hazlehurst, GA	93.5	WYKE	FM Fort Wayne, IN	109.9
WSLM	FM Salem, Ind.		WTRS	Dunnellon, Fla.	89.1	WVOI	FM Tisbury, W. Va.	102.3	WYLF	FM Edinboro, Pa.	104.1
WSLN	Delaware, Ohio		WTRZ	Springfield, MA	89.1	WVOK	FM Wilmington, AL	99.5	WYLY	Farmont, NC	100.9
WSLQ	Roanoke VA		WVSA	FM Brattleboro, VT	96.7	WVOR	Rochester, N.Y.		WYLE	Abbeville, AL	94.3
WSLT	FM Ocean City NJ	106.3	WVTS	FM Lumberton, N.C.		WVOS	FM Liberty, N.Y.		WYLI	FM Dublin, Ga.	
WSLU	Canton, N.Y.		WVTD	FM Potsdam, N.Y.	91.1	WVOV	FM Logan, W. Va.	101.9	WYLM	Savannah, Ga.	97.3
WSLX	New Canaan, CT	91.9	WVTF	FM Toledo, Ohio		WVOX	FM New Rochelle, N.Y.		WYLO	New York NY	103.7
WSLY	York, PA	99.3	WVTR	FM Westminister, Md.		WVYB	Beekley WV	91.7	WYLU	Berlin, OH	91.5
WSM	FM Nashville, Tenn.	95.5	WTTU	Cookeville TN	88.5	WVPE	Elkhart, IN	91.5	WYMA	Williamport, VT	98.3
WSMC	Collegedale, Tenn.		WTTV	FM Bloomington, Ind.		WVPI	Troy, AL	89.1	WYNC	Henderson, NC	92.5
WSME	FM Sanford, ME	92.1	WTUB	Troy, AL	105.7	WVPJ	Piscataway, NJ	90.3	WYXO	Plantation Key, Fla.	100.3
WSMH	FM Lancaster, NY	89.9	WTUE	Dayton OH	104.7	WVPO	FM Stroudsburg, Pa.		WYXP	Philadelphia, Pa.	
WSMI	FM Litchfield, Conn.	106.5	WTUF	Thomasville OH	107.1	WVRY	Waverly, Tenn.	104.9	WYXR	Jacksonville, N.C.	105.5
WSMJ	Greenfield, Ind.		WTUN	New Orleans LA	91.5	WVSC	FM Somerset, Pa.		WYXQ	Woodbridge, Va.	
WSMN	Sault Ste. Marie, MI	99.5	WTUN	Selma AL	100.1	WVSH	Huntington, Ind.	105.3	WYXC	Hickory, N.C.	95.7
WSMT	FM Sparta, TN		WTVL	FM Waterville, Me.	96.3	WVSI	FM Stateville, IL	90.9	WYXF	FM Guayama, P.R.	
WSMU	FM Starkville, MS	106.3	WTVN	FM Columbus OH		WVSP	Warrenton, NC	90.9	WYXJ	Norfolk, Va.	
WSND	FM Notre Dame, IN		WTVR	FM Richmond, Va.		WVSR	Rapid City, S.D.	90.7	WYXK	Chicago, Ill.	93.1
WSMM	Sault, Ste. Marie, MI	99.5	WTVY	FM Dothan AL	95.5	WVSS	Memnonie, W.I.	90.7	WYXL	FM Columbia, S.C.	93.5
WSNJ	FM Ridgerton, NJ	107.7	WTVZ	FM Urbana, Ill.		WVST	Bolivar, TN	96.7	WYXT	Greencastle, Ind.	
WSNN	Potsdam, GA	94.3	WTWF	Moncks Corner, SC	105.5	WVSU	FM Birmingham AL	91.7	WYTC	Charleston SC	105.5
WSNT	FM Sanderson, Ga.	103.7	WTWG	Guntersville AL	95.9	WVTC	Randolph center, VT.	90.7	WYTD	Athens, OH	104.9
WSNF	FM Charlotte, NC	103.7	WTYD	New London, Conn.		WVTR	FM Trenton, Ind.		WYTF	FM LaPlata, MD	107.1
WSOI	FM Jesup, GA	98.3	WTYL	FM Tylerstown, Miss.	97.9	WVTS	Terre Haute, Ind.		WXTZ	Indianapolis IN	103.3
WSOM	FM Salem, Ohio		WTFZ	FM Tazewell, Va.	89.9	WVUJ	Vincennes, IN	91.1	WYUX	FM Lafayette, Ind.	92.7
WSOR	Fort Myers, Fla.	95.3	WUAG	Greensboro, NC	91.7	WVUD	FM Kettering, Ohio		WXXI	FM Rochester NY	91.5
WSOU	S. Orange, N.J.		WUAI	FM Tuscaloosa AL	91.7	WVUM	FM Coral Gables, Fla.		WXXY	Southern Falls NY	104.9
WSOY	FM Decatur, Ill.		WUAZ	Henderson, Ky.	103.1	WVUR	Valparaiso, Ind.		WYXZ	Montfaucon, Pa.	
WSOZ	FM Spartanburg, S.C.		WUAC	Cincinnati OH	105.1	WVUS	Putney, VT	88.9	WYXA	Bayamon, PR	
WSPB	FM Sarasota, Fla.		WUCB	FM Chicago, Ill.		WVVJ	Norristown, PA	91.7	WYXW	Wilson, NC	106.1
WSPD	FM Toledo, Ohio		WUCJ	University Heights, Ohio	89.9	WVVS	Valdosta, GA	89.9	WYAN	FM Upper Sandusky, OH	95.9
WSPH	Baltimore MD	90.3				WVVV	Blacksburg, Va.		WYBC	FM New Haven, CT	94.3
WSPK	Poughkeepsie, NY	104.7	WUEC	Eau Claire, WI	89.7	WVWX	FM Highland Park IL	103.1	WYBR	Belvidere, IL	94.3
WSPW	La Crosse, Wis	95.9	WUEF	FM Eastman, GA	92.1	WVWR	FM Roanoke, Va.	89.1	WYCH	Hamilton, OH	103.5
WSPN	Saratoga Springs, NY	91.1	WUFK	FT. Kent, ME	90.3	WVXU	FM Cincinnati, Ohio	91.7	WYCR	York-Hanover, Pa.	
WSPS	Concord NH	90.3	WUFM	Lebanon, Pa.	100.1	WVYK	York, PA	88.1	WYCS	Yorktown, Va.	
WSPW	FM Stevens Point, Wis.		WUFN	Aibton, Mich.	91.7	WVYV	FM St. Petersburg, Fla.	107.3	WYCA	Hammond, Ind.	
WSPY	Piano IL	107.1	WUHS	Urbana, O.		WVYD	FM Bamberg, S.C.		WYCE	Warwick, R.I.	
WSPZ	San Juan, PR	93.7	WUHJ	FM Philadelphia, Pa.	88.1	WVCK	FM Flint, MI	105.5	WYCG	Yorktown, Pa.	104.7
WSRA	FM Ft. Lauderdale, Fla.		WUIC	Chicago, IL	88.7	WVCS	Wesson, Miss.	91.1	WYDH	Des Moines, IA	106.7
WSRF	FM Ft. Lauderdale, Fla.	103.9	WUIA	FM University Hts., OH	88.7	WVCM	FM Brazil IN	97.7	WYEF	FM Pittsburgh PA	91.5
WSRK	Oroona, NY	91.5	WUIB	FM Euflua AL	92.7	WVCL	FM Peoria, IL	105.7	WYFZ	Elkhart, IN	100.7
WSRN	FM Swarthmore PA		WUIC	FM Farmington ME	88.5	WVCO	Cullowhee, NC	91.7	WYFE	FM Winnebago IL	95.3
WSSR	Worcester, Mass.		WUJD	FM Chapel Hill, N.C.	88.1	WVCP	FM Albany GA	101.7	WYFI	Norfolk, Va.	
WSSR	FM Hillsboro, Ohio	88.5	WUJF	FM Asheville, NC	91.3	WVDB	Philadelphia, Pa.	96.5	WYFM	Sharon PA	102.9
WSSX	Allendale, Mi	99.5	WUJA	FM Durham NH	95.7	WVDC	FM Washington, D.C.		WYGN	FM Corbin, Ky.	
WSSH	Lowell, Mass.	91.9	WUJC	FM Tuscaloosa AL	90.5	WVDE	FM Scranton, Pa.	104.9	WYGT	Williamsport MD	95.9
WSSP	Springfield, Ill.	91.5	WUOG	FM Athens GA		WVDF	FM Medford MA	107.9	WYLD	FM New Orleans, LA	98.5
WSSU	Superior, Wis.		WUOM	Ann Arbor, Mich.	91.9	WVFG	FM Cincinnati, Ohio	92.5	WYMS	Milwaukee WI	88.9
WSTB	Streetsboro OH	91.5	WUOT	Knoxville, TN	91.1	WVFN	FM Fairmont WV	90.9	WYNK	FM Baton Rouge, La.	101.5
WSTM	St. Matthews, Ky.		WUPF	Presque Isle ME		WVFM	FM Charleroi, Pa.	98.3	WYNO	FM Brownwick, Ga.	106.5
WSTN	Florence, S.C.	103.1	WUPK	Lynn, Mass.		WVGC	FM Waynesboro, Ga.	91.7	WYON	Grand Rapids, Mich.	104.9
WSTO	Owensboro, Ky.		WURD	Georgetown, OH	97.7	WVGG	FM Carrollton GA	89.3	WYOO	FM Richfield, MN	101.3
WSTP	FM Salisbury, N.C.		WUSC	FM Columbia, SC	89.9	WVGP	FM Sanford, N.C.		WYOR	Coral Gables, Fla.	
WSTR	FM Sargents, Mich.		WUSF	Tampa, FL	88.7	WVHC	Hartford City, Ind.		WYRL	Meibourne, Fla.	
WSTL	FM Laurinburg, N. C.	96.5	WUSM	N. Dartmouth, MA	90.5	WVHI	Muncie, IN	91.5	WYSH	FM Clinton, TN	104.9
WSTU	FM Stuart, Fla.		WUST	FM Bethesda, Md.	89.1	WVHS	FM Hampden-Sydney VA		WYSI	FM Buffalo, NY	103.3
WSTW	Wilmington, Del.	93.7	WUTM	Martin, TN	90.3	WVIA	FM Laydamsht WI	92.9	WYSO	Yellow Springs, OH	91.5
WSUB	FM Groton, Conn.	105.5	WUTS	Sewanee TN	88.1	WVIL	Wilmington, N.C.	97.3	WYSP	Philadelphia, PA	94.1
WSUP	Platteville, WI	102.3	WUUN	Marquette, MI	100.1	WVJW	FM Detroit, Mich.	98.1	WYSU	Youngstown, O.	88.5
WSUS	Franklin, NJ	91.7	WUVT	FM Blacksburg, Va.	90.7	WVJO	St. Cloud, MN	98.1	WYVA	FM Yorktown, VA	94.1
WSUW	Whitewater, WI	91.7	WUWA	FM Milwaukie, Wis.		WVJN	FM South Bend, IL	100.5	WYWD	FM Barboursville Ky	85.5
WSUX	FM Seaford DE	98.3	WUWB	Adrian, Mich.		WVJK	Kokomo, Ind.	100.5	WYXE	Sun Prairie, WI	96.1
WSVC	Midland, Mich.	89.7	WUWC	FM Charleston, W.Va.	95.3	WVLM	FM Leavelle, Pa.	108.7	WYYP	FM Raleigh, NC	98.3
WSVL	FM Shelbyville, IN	97.1	WVAF	FM Charleston, W.Va.		WVLS	FM Leavelle, Pa.	108.7	WZAK	Cleveland, OH	93.1
WSVS	FM Crewe, Va.	95.1				WVMA	FM Roanoke Rapids, N.C.	100.1	WZAR	Ponce, P.R.	101.9
WSVG	FM Greenwood, MS	91.7	WVAK	FM Poaff IN	95.3	WVMD	FM Marion, N.C.	101.7	WZAT	Savannah, GA	102.1
WSWN	Memphis TN	91.7	WVBC	Bethany, W.Va.		WVNL	Canton, MS	101.7	WZBC	Newton, MA	90.3
WSWO	FM Belle Glade, FL	93.5	WVBD	Bethany, W.Va.		WVLR	Lyndonville, VT	91.7	WZBT	Gettysburg, PA	90.3
WSWT	Peoria IL	106.9	WVBF	Frankingham, MA	105.7	WVNH	Minoqua, WI	95.9	WZEE	Medford, NJ	104.1
WSWV	FM Pen										

U.S. TV STATIONS BY LOCATION

Location	Call	MHz
Shreveport-Texarkana	KTAL-TV 6	
X MAINE		
Augusta	WVGB-TV 10	
Bangor	WBZ-TV 2 WABI-TV 5 WEMT 7	
Biddeford	WMEG-TV 26	
Calais	WMED-TV 13	
Orono	WMEB-TV 12	
Poland Spring	WMTW-TV 8	
Portland	WDSN-TV 6 WGAN-TV 13	
Presque Isle	WAGM-TV 8 WNEM-TV 10	
MARYLAND		
Annapolis	WVAPB 22	
Baltimore	WMAR-TV 2 WBAL-TV 11 WJZ-TV 13 WBFF 45 WMPB 67 WHAG-TV 25 WVPS-TV 31	
Hagerstown	WVBC-TV 16	
Sallebury	WVCS-TV 28	
X MASSACHUSETTS		
Adams	WCDC 19	
Boston	WGBH-TV 2 WBZ-TV 4 WCVB-TV 5 WNAC-TV 7 WSBK-TV 38 WVGB-TV 44 WQTV 68 WXNE-TV 25	
Cambridge-Boston	WVLI-TV 58	
Greenfield	WVRL-TV 32	
New Bedford	WVST-TV 22	
Springfield	WVLP-TV 22	
Springfield-Holyoke	WHYN-TV 40	
Worcester	WSMW-TV 27	
X MICHIGAN		
Allen Park	WXON 20	
Aipena	WCML-TV 6 WBKB-TV 11 WCML-TV 6 WRHT 31	
Ann Arbor	WVMI-TV 6 WVMI-TV 6	
Bay City-Saginaw-Fliint	WNEM-TV 5	
Cadillac	WVMT-TV 9	
Traverse City	WVMT-TV 9	
Cheboygan	WVMT-TV 9	
Detroit	WJ2-TV 4 WVTV 7 WXON 20 WKBD-TV 50 WTVS 56 WVGR-TV 62	
East Lansing	WVKA-TV 23	
Escanaba	KJMN-TV 5	
Flint	WJRT-TV 12 WVTV 7 WVTV 7	
Grand Rapids	WVTV 7 WVTV 7 WVTV 7 WVTV 7 WVTV 7	
Jackson	WVTV 7 WVTV 7	
Kalamazoo	WKZO-TV 3	
Lansing	WVTV 7 WVTV 7 WVTV 7	
Marquette	WVTV 7 WVTV 7	
Mt. Pleasant	WVTV 7	
Saginaw	WVTV 7	
Sault Ste. Marie	WVTV 7	
Traverse City	WVTV 7	
University Ctr. (Bay City)	WVTV 7	
X MINNESOTA		
Appleton	WVTV 7	
Alexandria	WVTV 7	
Austin	WVTV 7	
Duluth	WVTV 7	
Hibbing	WVTV 7	
Maikato	WVTV 7	
Minneapolis-St. Paul	WVTV 7	
Rochester	WVTV 7	
St. Paul	WVTV 7	
Walker	WVTV 7	
MISSISSIPPI		
Biloxi	WVTV 7	
Booneville	WVTV 7	
Bude	WVTV 7	
Columbus	WVTV 7	
Greenwood	WVTV 7	
Greenville	WVTV 7	
Jackson	WVTV 7	
Laurel-Hattiesburg	WVTV 7	

Location	Call	MHz
Meridian	WVTV 7	
Oxford	WVTV 7	
State College	WVTV 7	
Tupelo	WVTV 7	
MISSOURI		
Cape Girardeau	WVTV 7	
Columbia	WVTV 7	
Hamibal-Quincy	WVTV 7	
Jefferson City	WVTV 7	
Joplin	WVTV 7	
Kansas City	WVTV 7	
Kirksville-Ottumwa	WVTV 7	
St. Joseph	WVTV 7	
St. Louis	WVTV 7	
Sedalia	WVTV 7	
Springfield	WVTV 7	
X MONTANA		
Billings	WVTV 7	
Butte	WVTV 7	
Glendive	WVTV 7	
Great Falls	WVTV 7	
Helena	WVTV 7	
Kallisell	WVTV 7	
Miles City	WVTV 7	
Missoula	WVTV 7	
NEBRASKA		
Albion	WVTV 7	
Alliance	WVTV 7	
Bassett	WVTV 7	
Grand Island	WVTV 7	
Hastings	WVTV 7	
Hayes Center	WVTV 7	
Hay Springs	WVTV 7	
Kearney	WVTV 7	
Holdrege	WVTV 7	
Lincoln	WVTV 7	
McCook	WVTV 7	
Oberlin	WVTV 7	
Morrison	WVTV 7	
Norfolk	WVTV 7	
North Platte	WVTV 7	
Omaha	WVTV 7	
Scottsbluff	WVTV 7	
Gering	WVTV 7	
Superior	WVTV 7	
NEVADA		
Elko	WVTV 7	
Henderson	WVTV 7	
Las Vegas	WVTV 7	
Reno	WVTV 7	
NEW HAMPSHIRE		
Berlin	WVTV 7	
Durham	WVTV 7	
Hanover	WVTV 7	
Keene	WVTV 7	
Littleton	WVTV 7	
Manchester	WVTV 7	
NEW JERSEY		
Camden	WVTV 7	
Montclair	WVTV 7	
Newark	WVTV 7	
New Brunswick	WVTV 7	
New York-Newark	WVTV 7	
Trenton	WVTV 7	
Wildwood	WVTV 7	
X NEW MEXICO		
Albuquerque	WVTV 7	
Carlsbad	WVTV 7	
Clovis	WVTV 7	
Farlington	WVTV 7	
Las Cruces	WVTV 7	
Portales	WVTV 7	
Roswell	WVTV 7	
X NEW YORK		
Albany	WVTV 7	
Albany-Troy	WVTV 7	
Schenectady	WVTV 7	

Location	Call	MHz
Binghamton	WVTV 7	
Buffalo	WVTV 7	
Carthage-Watertown	WVTV 7	
Elmira	WVTV 7	
Corning	WVTV 7	
Garden City	WVTV 7	
New York	WVTV 7	
New York-Newark	WVTV 7	
New York-Paterson	WVTV 7	
Norwood	WVTV 7	
Plattsburgh	WVTV 7	
Rochester	WVTV 7	
Schenectady-Albany-Troy	WVTV 7	
Syracuse	WVTV 7	
Utica	WVTV 7	
Watertown	WVTV 7	
NORTH CAROLINA		
Asheville	WVTV 7	
Chapel Hill	WVTV 7	
Charlotte	WVTV 7	
Columbia	WVTV 7	
Concord	WVTV 7	
Durham	WVTV 7	
Raleigh	WVTV 7	
Greensboro	WVTV 7	
Greenville	WVTV 7	
Hickory	WVTV 7	
High Point	WVTV 7	
Greensboro & Winston-Salem	WVTV 7	
Jacksonville	WVTV 7	
Lenoir	WVTV 7	
New Bern	WVTV 7	
Raleigh	WVTV 7	
Durham	WVTV 7	
Washington	WVTV 7	
Wilmington	WVTV 7	
Winston-Salem	WVTV 7	
NORTH DAKOTA		
Bismarck	WVTV 7	
Devils Lake	WVTV 7	
Dickinson	WVTV 7	
Fargo	WVTV 7	
Fargo-Grand Forks	WVTV 7	
Grand Forks	WVTV 7	
Minot	WVTV 7	
Valley City (Fargo)	WVTV 7	
Williston	WVTV 7	
X OHIO		
Akron	WVTV 7	
Alliance	WVTV 7	
Athens	WVTV 7	
Cambridge	WVTV 7	
Canton	WVTV 7	
Cincinnati	WVTV 7	
Cincinnati-Newport, Ky.	WVTV 7	
Cleveland	WVTV 7	
Columbus	WVTV 7	
Dayton	WVTV 7	
Kettering (Dayton)	WVTV 7	
Lima	WVTV 7	
Lorain	WVTV 7	

Location	Call	MHz
Cleveland	WVTV 7	
Newark	WVTV 7	
Oxford	WVTV 7	
Portsmouth	WVTV 7	
Steuensville	WVTV 7	
Wheeling	WVTV 7	
Toledo	WVTV 7	
Youngstown	WVTV 7	
Zanesville	WVTV 7	
X OKLAHOMA		
Ada-Ardmore	WVTV 7	
Ardmore & Sherman-Denison	WVTV 7	
Lawton	WVTV 7	
(Wichita Falls)	WVTV 7	
Oklahoma City	WVTV 7	
Sayre	WVTV 7	
Tulsa	WVTV 7	
OREGON		
Coos Bay	WVTV 7	
Corvallis	WVTV 7	
Eugene	WVTV 7	
Klamath Falls	WVTV 7	
Medford	WVTV 7	
Portland	WVTV 7	
Roseburg	WVTV 7	
Salem	WVTV 7	
PENNSYLVANIA		
Allenstown	WVTV 7	
Berthelom	WVTV 7	
Altoona	WVTV 7	
Clearfield	WVTV 7	
Erie	WVTV 7	
Greensburg	WVTV 7	
Harrisburg	WVTV 7	
Hershey	WVTV 7	
Johnstown	WVTV 7	
Lancaster	WVTV 7	
Lancaster-Lebanon	WVTV 7	
Philadelphia	WVTV 7	
Philadelphia (Burlington, N.J.)	WVTV 7	
Pittsburgh	WVTV 7	
Seranton & Wilkes-Barre	WVTV 7	
State College	WVTV 7	
Wilkes-Barre & Scranton	WVTV 7	
York	WVTV 7	
RHODE ISLAND		
Providence	WVTV 7	
Providence (New Bedford)	WVTV 7	
X SOUTH CAROLINA		
Allendale	WVTV 7	
Anderson	WVTV 7	
Beaufort	WVTV 7	
Charleston	WVTV 7	
Columbia	WVTV 7	
Florence	WVTV 7	
Greenville	WVTV 7	
Greenville-Spartanburg & Asheville	WVTV 7	
Sumter	WVTV 7	

CANADIAN AM STATIONS BY FREQUENCY

Call	Location	Power
800—374.8		
CBQ Thunder Bay, Ont.		10,000d 5,000n
CFOB Fort Frances, Ont.		1,000d 500n
CHAB Moose Jaw, Sask.		10,000
CHRC Quebec, Que.		50,000
CJAD Montreal, Que.		50,000d 10,000n
CJBQ Belleville, Ont.		10,000
CJJC Langley, B.C.		10,000
CKOK Penticton, B.C.		10,000d 500n
CKLW Windsor, Ont.		50,000
VOWR St. John's, Nfld.		1,000
810—370.2		
CHQR Calgary, Alta.		10,000
820—365.6		
CFRU Guelph, Ont.		20
850—352.7		
CKRD Red Deer, Alta.		10,000d 1,000n
CKVL Verdun, Que.		50,000d 10,000n
860—348.6		
CBH Halifax, N.S.		10,000
CBKZ Clearwater, B.C.		40
CBWA Ashcroft, B.C.		40
CFNS Saskatoon, Sask.		10,000
CFPR Prince Rupert, B.C.		10,000
CHAK Inuvik, N.W.T.		1,000
CJBC Toronto, Ont.		50,000
900—333.1		
CBOJ Geraldton, Ont.		40
CBWD Donald Station, B.C.		40
CFBR Sudbury, Ont.		10,000d 1,000n
CHML Hamilton, Ont.		10,000
CJBR Rimouski, Que.		10,000
CJVI/Victoria, B.C.		10,000
CKBI Prince Albert, Sask.		10,000
CKDR Dryden Ont.		1,000d 250n
CKDH Amherst, N.S.		1,000
CKTS Sherbrooke, Que.		5,000
CKVD Val D'Or, Que.		10,000d 2,500n
CJEN St-Jerome, P.Q.		1,000
910—329.5		
CBO Ottawa, Ont.		5,000
CFJC Kamloops, B.C.		10,000d 1,000n
CFXS Stephenville, Nfld.		500
CHRL Roberval, Que.		10,000d 2,500n
CJDV Drumheller, Alta.		5,000
CKLY Lindsay, Ont.		10,000d 5,000n
920—326.9		
CBO Ottawa, Ont.		50,000
CBQE Fort Good Hope, N.W.T.		40
CBQU Fort Goodhope, N.W.T.		40
CFRY Portage La Prairie, Man.		10,000
CJCH Halifax, N.S.		10,000d 5,000n
CJCI Woodstock, N.B.		1,000
CKCQ Quesnel, B.C.		1,000
CKCY Sault Ste. Marie, Ont.		10,000d 5,000n
CKNX Wingham, Ont.		10,000d 1,000n
930—322.4		
CFBC Saint John, N.B.		10,000d 5,000n
CJCA Edmonton, Alberta.		10,000d 5,000n
CJON St. John's, Nfld.		25,000
940—319.0		
CBM Montreal, Que.		50,000
CFGX Yorkton, Sask.		10,000
CJIB Vernon, B.C.		10,000
950—315.6		
CFAM Altona, Man.		10,000
CKBB Barrie, Ont.		10,000d 500n
CKNB Campbellton, N.B.		10,000d 1,000n
CHER Sydney, N.S.		10,000
960—312.3		
CFAC Calgary, Alta.		50,000
CHNS Halifax, N.S.		10,000
CKWS Kingston, Ont.		10,000d 5,000n
970—309.1		
CBZ Fredericton, N.B.		10,000
CJYR Edson, Alta.		10,000
CKCH Hull, Que.		5,000
980—305.9		
CBV Quebec, Que.		5,000
CFPL London, Ontario		10,000d 5,000n
CHEX Peterborough, Ont.		10,000d 5,000n
CKGM Montreal, Que.		10,000
CKNW New Westminster, B.C.		10,000d 5,000n

Call	Location	Power
CKRM Regina, Sask.		10,000d 5,000n
990—302.8		
CBW Winnipeg, Man.		50,000
CBWK Terrace, B.C.		40
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
CHUM Toronto, Ont.		50,000
CJIC Sault Ste. Marie, Ont.		10,000d 2,500n
CJNB North Battleford, Sask.		10,000
CKSB St. Boniface, Man.		10,000
1060—282.8		
CFCN Calgary, Alta.		50,000
CJRP Quebec, Que.		50,000d 10,000n
1070—280.2		
CBA Moncton, N.B.		50,000
CFAX Victoria, B.C.		10,000
CHOK Sarnia, Ont.		10,000
1080—277.6		
CKSA Lloydminster, Alta.		10,000
1090—275.1		
CHEC Lethbridge, Alta.		5,000
CHRS St. Jean, Que.		10,000d
1110—272.6		
CBT Saint John, N.B.		10,000
CJBC-10 Matachewan, Ont.		40
CJBC-12 Wawa, Ont.		40
CFTJ Galt, Ont.		250d
CHQT Edmonton, Alta.		10,000
1130—265.3		
CKWX Vancouver, B.C.		50,000
1140—263.0		
CJTR Trois-Rivieres, Que.		10,000
CBI Sydney, N.S.		10,000
CKXL Calgary, Alta.		10,000
1150—260.7		
CHSJ Saint John, N.B.		10,000d 5,000n
CJRC Ottawa, Ont.		50,000d 5,000n
CKIQ Kelowna, B.C.		10,000d 1,000n
CKX Brandon, Man.		10,000
1160—258.5		
CBQR Rankin Inlet, N.W.T.		40
1170—256.3		
CFML Cornwall, Ont.		10,000
CFNS Saskatoon, Sask.		1,000
CKGY Red Deer, Alta.		10,000d 5,000n
1190—252.0		
CFSL Weyburn, Sask.		10,000d 5,000n
CJMR Mississauga, Ont.		10,000d
1210—247.8		
CFFB Frobisher Bay, N.W.T.		250
1220—245.8		
CFBV Smithers, B.C.		1,000d 250n
CFGN Port-aux-Basques, Nfld.		250
CFGR Gravelbourg, Sask.		250n
CFLK Kapuskasing, Ont.		100
CFPA Thunder Bay, Ont.		1,000d 250n
CHFC Churchill, Man.		250
CHSC St. Catharines, Ont.		1,000d 500n
CHVD Dolbeau, P.Q.		10,000d 250n
CJNL Merrit, B.C.		1,000d 250n
CJOC Lethbridge, Alta.		10,000d
CJOK Fort McMurray, Alta.		1,000d 500n
CJRB Boisvevain, Man.		10,000d
CJSS Cornwall, Ontario		5,000n
CJRL Kenora, Ont.		1,000
CJSA Ste-Agathe-des-Monts, P.Q.		1,000d 250n
CJTT New Liskeard, Ont.		1,000d 250n
CKDA Victoria, B.C.		50,000
CKCW Moncton, N.B.		10,000
CKLD Theford Mines, P.Q.		1,000d 250n
CKMP Midland, Ont.		1,000d 250n
CKSM Shawinigan, Que.		10,000d 2,500n
CKQR Castlegar, B.C.		10,000d 250n

Call	Location	Power
CKTK Kitimat, C.C.		1,000d 250n
VOAR St. John's, Nfld.		100
1230—243.8		
CBAR Canso, N.S.		40
CBPB Jasper National Park, Alta.		0.1
CBPD Glacier National Park, B.C.		0.1
CBQ Franklin, N.W.T.		40
CFLN Goose Bay, Labrador, Nfld.		1,000d 250n
1240—241.8		
CBLP Espanola, Ont.		40
CFEK Fernie, B.C.		1,000d 250n
CFLM La Tuque, Que.		1,000d
CFLS Levis, Que.		250
CFYR Abbotsford, B.C.		1,000d
CJAF Cabano, Que.		1,000d 250n
CJAR The Pas, Man.		1,000d 500n
CJAV Port Alberni, B.C.		1,000d 250n
CJCS Stratford, Ont.		500d 250n
CJMD Chibougamau, Que.		1,000d 250n
CJRW Summerside, P.E.I.		250
CJWA Wawa, Ont.		1,000d 250n
CKBS St-Hyacinthe, P.Q.		250
CKIM Bale-Verte, Nfld.		40 500n
CKBX 100 Mile House, B.C.		1000r
CKLS La Sarre, Que.		1,000d 250n
CKMK Mackenzie, B.C.		1,000d 250n
CKOO Osoyoos, B.C.		1,000d 250n
1250—239.9		
CBGA Matane, Que.		10,000d 5,000n
CBQF Ottawa, Ont.		10,000
CHWO Oakville, Ont.		10,000d 5,000n
CHSM Steinbach, Man.		10,000
CKJD Sarnia, Ont.		1,000
CKOM Saskatoon, Sask.		10,000
1260—238.0		
CFRN Edmonton, Alta.		50,000
1270—263.1		
CBGD Murdochville, Que.		40
GFGT Alma, P.Q.		1,000
CHAT Medicine Hat, Alberta		5,000n
CHWK Chilliwack, B.C.		10,000
CJCB Sydney, N.S.		10,000
1280—234.2		
CHAM Hamilton, Ont.		10,000
CHQB Powell River, B.C.		1,000
CJMS Montreal, Que.		50,000
CJSL Estevan, Sask.		1,000
CKCV Quebec, Que.		10,000d 5,000n
1290—232.4		
CHRM Matane, Que.		10,000
CJBK London, Ont.		10,000
1300—230.6		
CBAF Moncton, N.B.		5,000
CJME, Regina, Sask.		1,000
1310—228.9		
CFGM Richmond Hill, Ont.		50,000
CHGB La Posatiere, Que.		10,000d 5,000n
CIOK St. Paul, Alta.		10,000
CKOY Ottawa, Ont.		50,000
1320—227.1		
CHQM Vancouver, B.C.		50,000
CJSO Sorel, Que.		10,000d 5,000n
CKEC New Glasgow, N.S.		5,000
CKKW Kitchener, Ont.		1,000
1330—225.4		
CKKR Rosetown, Sask.		10,000
1340—223.7		
CBGN Ste Anne-des-Monts, Que.		1,000d 250n
CFED Chapais, Que.		250
CFGB Happy Valley, Nfld.		1,000
CFKC Creston, B.C.		250
CFLH Hearst, Ont.		1,000d 250n
CFWL Wabush, Labrador, Nfld.		250
CFLM Ville Vanier, Que.		250
CFYK Yellowknife, N.W.T.		1,000
CHAD Amos, Que.		1,000d 250n
CHAR Alert, N.W.T.		40
CIVH Vanderhoof, B.C.		1,000d 250n
CJAN Asbestos, Que.		1,000d

Call	Location	Power
CJLS Yarmouth, N.S.		5,000d 1,000n 250n
CKAR-1 Parry Sound, Ont.		280
CKBG Bagotville, P.Q.		40
CKBR Brooks, Alta.		1,000d
CKCR Revelstoke B.C.		1,000d 250n
CKGF Grand Forks, B.C.		1,000d 250n
CKMA Mont-Apica, P.Q.		40
CRMC Maniwaki, Que.		1,000r
CKNR Elliott Lake, Ont.		250
CKOX Woodstock, Ont.		1,000d 250n
CKVT Temiscaminque, Que.		250
1350—222.1		
CHOV Pembroke, Ont.		1,000
CJCR Gander, Nfld.		1,000
CJDC Gawsron Creek, B.C.		1,000
CJLM Joliette, Que.		10,000d 1,000n
CKAD Middleton, N.S.		1,000
CKLB Oshawa, Ont.		10,000d 5,000n
1360—220.4		
CJVL Ste-Marie de Beausar, P.Q.		10,000d 5,000n
CKBC Bathurst, N.B.		10,000
1370—218.8		
CFLV Valleyfield, Que.		10,000d 5,000n
CFCK Westlock, Alta.		10,000
CHPQ Parksville, B.C.		1,000
1380—217.3		
CFDA Victorville, Que.		1,000
CKLD Kingston, Ont.		10,000d 5,000n
CKPC Brantford, Ont.		10,000
1390—215.7		
CHOO Ajax, Ont.		10,000
CKKC Nelson, B.C.		1,000
1400—214.2		
CBOD Mayothead, Ont.		40
CFLD Burns Lake, B.C.		250
CHNL-1 Clearwater, B.C.		1,000d 250n
CJFP Riviere du Loup, Que.		10,000d 250n
CJNL Princeton, B.C.		1,000d 250n
CKCB Collingwood, Ont.		1000r
CKFL Lac Megantic, Que.		1,000d 250n
CKGR Golden, B.C.		1,000d 250n
CKOB Renfrew, Ont.		250
CKRN Rouyn, Que.		1,000d 250n
CKRV Drummondville, P.Q.		250d 100n
CKSJ St. Jovite, Que.		250
CKSW Swift Current, Sask.		1,000d 250n
1410—212.6		
CFMB Montreal, Que.		10,000
CFUN Vancouver, B.C.		50,000
CKSL London, Ont.		10,000
CIGO Port Hawkesbury, N.S.		10,000
1420—211.1		
CJMT Chicoutimi, P.Q.		10,000d 2,500n
CJVR Melfort, Sask.		1,000
CKDY Digby, N.S.		1,000
CKPT Peterborough, Ont.		5,000
CKTL Plessisville, Que.		1,000d 500n
1430—209.7		
CKFH Toronto, Ont.		50,000
1440—208.2		
CFCP Courtenay, B.C.		1,000
CFOD Ottawa, Ont.		10,000
CJOI Cetsaskiwiln, Alta.		1,000
1450—206.8		
CBG Gander, Nfld.		250
CBPF Cape Breton, Highlands National Park, N.S.		0.1
CHEF Grandby, Que.		10,000d 5,000n
CHRT St. Eleuthere, Que.		250
CFAB Windsor, N.S.		250
CFAD Armstrong, Ont.		50
CFJR Brockville, Ont.		1000r
CHCL Cold Lake, Alta.		40
CFJR Brockville, Ont.		1,000d 250n
CHUC Cobourg, Ont.		1,000
CHAP Long Lac, Ont.		40
CHMO Moosonee, Ont.		50
CJBM Causapeau, Que.		1,000d 250n
CHMO Moosonee, Ont.		50
CHUC Cobourg, Ont.		1,000
CKSP Summerland, B.C.		1,000d 250n
CKYR Jasper, Alta.		100

CANADIAN AM STATIONS BY FREQUENCY

Call	Location	Power
1460—205.4		
CJOY	Guelph, Ont.	10,000d 5,000n
CKRB	Ville St. Georges, Que.	10,000d 5,000n
1470—204.0		
CFDX	Pointe Claire, Que.	10,000d 8,000n
CFRW	Winnipeg, Man.	10,000
CHOW	Weiland, Ont.	1,000d 500n
CJVB	Vancouver, B.C.	10,000
1480—202.6		
CHRD	Drummondville, Que.	10,000

Call	Location	Power
1490—201.2		
CBNN	Hopedale, Labr., Nfld.	40
CBPA	Jasper National Park, Alta.	0.1
CBPC	Glacier National Park, B.C.	0.1
CBPE	Cape Breton Highlands National Park, N.S.	0.1
CFHG	Holberg, B.C.	20
CFMR	Fort Simpson, N.W.T.	25
CFNC	Cross Lake, Man.	25
CFRC	Kingston, Ont.	100
CFWB	Campbell River, B.C.	1,000d 250n
CHYM	Kitchener, Ont.	10,000d 5,000n
CJPR	Bialmore, Alta.	1,000d 250n
CJSN	Shaunavon, Sask.	1,000d 250n

Call	Location	Power
CHAL	St. Pamphile, Que.	1,000d 250n
CKBM	Montmagny, Que.	1,000d 500n
CKEN	Kentville, N.S.	1,000d 500n
CKGO	Hope, B.C.	250
CKLR	L'Annoncation, P.Q.	1,000d 250n
1500—199.9		
CKAY	Duncan, B.C.	5,000d 1,000n
1510—199.1		
CJRS	Sherbrooke, Que.	10,000
CKOT	Tillsonburg, Ont.	1,000d
1540—195.0		
CHIN	Toronto, Ont.	50,000

Call	Location	Power
1550—193.5		
CBE	Windsor, Ont.	10,000
1570—191.1		
CFOR	Orillia, Ont.	10,000d 1,000n
CHLD	St. Thomas, Ont.	10,000
CHUB	Nanaimo, B.C.	10,000
CKLM	Montreal, Que.	50,000
CKTA	Taber, B.C.	5,000
1580—189.2		
CBJ	Chicoutimi, Que.	10,000
1600—187.5		
CHIB	Chibougamau, P.Q.	40
CHNR	Simcoe, Ont.	10,000

CANADIAN AM STATIONS BY LOCATION

Location	Call	kHz
Abbotsford, B.C.	CFVR	1240
Ajax, Ont.	CHOD	1390
Alert, N.W.T.	CHAR	1340
Alma, Que.	CFGT	1270
Altona, Man.	CFAM	950
Amherst, N.S.	CKDM	900
Amos, Que.	CHAD	1340
Antigonish, N.S.	CJFX	580
Armstrong, Ont.	CFAD	1450
Asbestos, Que.	CJAN	1340
Ashcroft, B.C.	CBWA	860
Baptisteville, P.Q.	CKBB	1340
Baie Verte, Nfld.	CKRM	1400
Barrie, Ont.	CKBB	950
Bathurst, N.B.	CKBC	1380
Bellefleur, Ont.	CJBO	800
Bialmore, Alta.	CJPR	1490
Blind River, Ont.	CJNR	750
Blooms, Alta.	CKBR	1340
Boissevain, Man.	CJRB	1220
Brampton, Ont.	CHIC	750
Brandon, Man.	CKX	1150
Brantford, Ont.	CKPC	1380
Bridgewater, N.S.	CKWB	1000
Brockville, Ont.	CFJR	1450
Burns Lake, B.C.	CFLD	1400
Cabano, Que.	CJAF	1240
Calgary, Alta.	CBR	1010
	CFAC	980
	CFCN	1060
	CHQR	810
	CKXL	1140
Callander, Ont.	CFCH	900
Cambell River, B.C.	CJWB	1450
Campbellton, N.B.	CKNB	950
Camrose, Alta.	CFWC	790
Cano, N.S.	CBAR	1230
Cape Breton Highlands National Park, N.S.	CBPE	1490
Castlegar, B.C.	CBPF	1450
Causapeak, Que.	CJBM	1450
Chapais, Que.	CFED	1340
Charlottetown, P.E.I.	CFCY	630
	CHTN	1190
	CJMN	700
Chatham, Ont.	CFGO	850
Chibougamau, Que.	CJMD	1240
	CHIB	1800
Chicoutimi, Que.	CBJ	1580
	CJMT	1420
Chilliwack, B.C.	CHWK	1270
Churchill, Manitoba	CHFC	1230
Clarenceville, Nfld.	CKVO	710
Clearwater, B.C.	CHNL	1400
	CBKZ	860
Cobourg, Ontario	CHUC	1450
Cold Lake, Alta.	CHCL	1450
Collingwood, Ont.	CKCB	1400
Cornor Brook, Nfld.	CBY	950
	CFNB	870
Cornwall, Ont.	CJBS	1220
	CFCP	1440
Courtenay, B.C.	CKEK	570
Cranbrook, B.C.	CFKC	1340
Creston, B.C.	CFNC	1490
Cross Lake, Man.	CFD	930
Dartmouth, N.S.	CFDM	750
Dauphin, Man.	CKDM	750
Dawson Creek, B.C.	CJDC	1350
Digby, N.S.	CKDY	1420
Doibau, P.Q.	CHVD	1230
Donald Station, B.C.	CBWD	900
	CJVD	910
Drumheller, Alta.	CHRD	1480
Drummondville, Que.	CKRV	1400
	CKDR	900
Dryden, Ont.	CKAY	1500
Duncan, B.C.	CBX	740
Edmonton, Alta.	CFRN	1280
	CFBC	630
	CFHA	880
	CHQT	1110
	CJCA	930
	CKUA	580
Edmundston, N.B.	CJEM	570
Edson, Alta.	CJYR	870
Elliott Lake, Ont.	CKNR	1340
Espanola, Ont.	CHLP	1240
Estevan, Sask.	CJSL	1280
Fermost, B.C.	CBG	710
Fernie, B.C.	CFEK	1240
Fin Flon, Man.	CFAR	580
Fort Frances, Ont.	CFBB	800
Fort Good Hope, N.W.T.	CBQE	920
Fort McMurray, Alta.	CJOK	1230
	CFNL	880
Fort Nelson, B.C.	CFNL	980
Fort Simpson, N.W.T.	CFMR	1490
Fort St. John, B.C.	CKNL	580
Franklin, N.W.T.	CBQO	1230

Location	Call	kHz
Fredericton, N.B.	CBZ	970
	CFNB	550
	CHSR	710
Frobisher Bay, N.W.T.	CFFB	1210
Galt, Ont.	CFJT	1110
Gander, Nfld.	CFBG	1450
	CJCR	850
Gander, Nfld.	CKGA	730
Geraldton, Ont.	CBOJ	900
Glacier National Park, B.C.	CBPC	1490
	CBPD	1230
	CKGR	1400
Golden, B.C.	CFNL	1230
Goose Bay, Labrador, Nfld.	CHEF	1450
Granby, Que.	CJGX	610
Grand Bank, Nfld.	CBT	540
Grand Falls, Nfld.	CJCN	680
	CKCM	620
	CKRH	860
Grand Forks, B.C.	CKGN	1340
Grande Prairie, Alta.	CFBP	1050
Gravelbourg, Sask.	CFRG	690
	CFGR	1230
Guelph, Ont.	CJOY	1460
	CFRU	820
Halifax, N.S.	CHNS	860
	CHNS	980
	CJCH	920
Hamilton, Ont.	CHAM	1280
	CHML	900
	CKOC	1150
Happy Valley, Nfld.	CFBG	1340
Haultailue, Que.	CHL	880
Hearst, Ont.	CFLH	1340
Holberg, B.C.	CFHG	1490
Hope, B.C.	CKGO	1490
Hopedale, Labr., Nfld.	CBNN	1490
	CKCH	970
	CKAR	650
	CKS	860
	CKYR	1450
Jasper National Park, Alta.	CBPA	1490
	CBPB	1230
	CJLM	1350
Joliette, Que.	CKRS	590
Jonquières, Que.	CFJC	910
Kamloops, B.C.	CHNL	810
Kamloops, B.C.	CFLC	1230
Kapuskasing, Ont.	CKAP	580
Kelowna, B.C.	CKIQ	1150
	CKOV	630
Kenora, Ont.	CJRL	1220
Kentville, N.S.	CKEN	1490
Kingston, Ont.	CFRC	1490
	CKLS	1380
	CKWS	980
Kirkland Lake, Ont.	CJKL	580
Kitchener, Ont.	CHYM	1490
	CKKW	1320
Kitimat, B.C.	CKTK	1230
Lachute, Que.	CJLA	630
Lac Megantic, Que.	CKYB	1450
Langley, B.C.	CJJC	800
L'Annoncation, P.Q.	CKLR	1490
La Pocatière, Que.	CHGB	1310
La Sarre, Que.	CKLS	1240
La Tuque, Que.	CFLM	1240
Leamington, Ont.	CHYR	710
Lethbridge, Alberta	CHYA	750
	CHEC	1380
	CJOC	1220
Levis, Que.	CFLS	1240
Lindsay, Ont.	CKLY	910
Lloydminster, Alta.	CKSA	1080
London, Ont.	CFPL	580
	CJBL	1490
	CKSI	1490
Long Lac, Ont.	CHAP	1450
MacKenzie, B.C.	CKMK	1240
Maniwaki, Que.	CKMC	1340
Marystown, Nfld.	CBNM	740
Marysstown, Nfld.	CHCM	580
Matachewan, Ont.	CHYB	1450
Matane, Que.	CBBA	1250
	CHRM	1290
Maynooth, Ont.	CBOD	1400
Medicine Hat, Alta.	CHAT	1270
Melfort, Sask.	CJVR	1420
Merritt, B.C.	CJML	1280
Middleton, N.S.	CJED	1350
Midland, Ontario	CKNP	1230
Misissauga, Ont.	CJMR	1190
Moncton, N.B.	CBA	1070
	CBFA	1300
	CKCW	1220
Mont-Agnes, P.Q.	CKNA	1340
Mont Laurier, P.Q.	CKNA	610
Montmagny, Que.	CKBM	1490
Montreal, Que.	CBF	630

Location	Call	kHz
	CBM	940
	CFCF	600
	CFMB	1410
	CJAD	800
	CJMS	1280
	CKAK	730
	CKGM	980
	CKLF	1570
	CHAB	800
Moose Jaw, Sask.	CHMD	1450
Mooseone, Ont.	CBGD	1270
Murdachville, Que.	CJMW	670
Musgravetown, Nfld.	CHUB	150
Nanaimo, B.C.	CKKC	1390
Nelson, B.C.	CHNC	610
New Carlisle, Que.	CFAN	790
Newcastle, N.B.	CKEK	1320
New Glasgow, N.S.	CJTT	1230
New Liskeard, Ont.		
New Westminster, B.C.	CKNW	980
Niagara Falls, Ont.	CJRN	710
North Battleford, Sask.	CJNB	1050
Oakville, Ont.	CHWO	1250
Orillia, Ont.	CFOR	1570
Oshawa, Ont.	CKLS	1350
Osoyoos, B.C.	CKOD	1240
Ottawa, Ont.	CBQ	920
	CBFO	1250
	CFGO	1440
	CFRA	580
	CJRC	1150
	CKOI	670
	CKOY	1110
Owen Sound, Ont.	CFOS	580
Parksville, B.C.	CHPQ	1370
Parry Sound, Ont.	CKAR	1340
Peace River, Alta.	CKYL	610
Peoria, Ont.	CHOV	1350
Pentlcton, B.C.	CKOK	800
Peterborough, Ont.	CHEX	980
	CKPT	1420
Plessisville, Que.	CKTL	1420
Pointe Claire, Que.	CFOX	1470
Portage La Prairie, Man.	CFRY	920
Port Alberni, B.C.	CJAV	1240
Port Aux Basques, Nfld.	CFGN	1230
Port aux Choix, Nfld.	CFNW	780
Port Hawkesbury, N.S.	CJGO	1410
Powell River, B.C.	CHRV	1280
Prince Albert, Sask.	CKBI	900
Prince George, B.C.	CJCI	820
	CKPG	550
Prince Rupert, B.C.	CFPR	860
	CHTK	560
Prince, B.C.	CJNL	1400
Quebec, Que.	CHB	980
	CHRC	800
	CJRP	1080
	CKCV	1280
Queens, B.C.	CKCQ	920
Rankin Inlet, N.W.T.	GROR	1180
Red Deer, Alta.	CKRD	850
	CKV	1170
Regina, Sask.	CBK	840
	CJME	1300
	CKCK	620
	CKRM	980
Renfrew, Ont.	CKOB	1400
Revelstoke, B.C.	CKR	1340
Richmond Hill, Ont.	CFGM	1310
Rimouski, Que.	CJBR	900
Rivière du Loup, Que.	CJFP	1400
Roberval, Que.	CHRL	910
Roseton, Sask.	CKR	1330
Rouyn, Que.	CKRN	1400
Ste Agathe des Monts, Que.	CJSA	1230
Ste Ann-de-Monts, Que.	CJSA	1230
Ste-Marie de Beauce, P.Q.	CJVL	1380
St. Anthony, Nfld.	CKNB	600
St. Boniface, Man.	CKSB	1050
St. Catharines, Ont.	CHSC	1220
	CKTB	610
St. Eleuthere, Que.	CHRT	1450
St. Hyacinthe, Que.	CKBS	1240
St. Jean, Que.	CHRS	1080
St-Jerome, P.Q.	CJEN	900
St. John's, Nfld.	CJBN	640
	CJON	930
	VOAR	1230
	VOAM	590
	VOVR	800
St. Jovite, Que.	CKSJ	1400
St. Joseph, Que.	CHAL	1320
St. Paul, Alta.	CKOK	1340
St. Thomas, Ont.	CHLD	1570
Saint John, N.B.	CBM	1110
	CFBC	930

Location	Call	kHz
Salmon Arm, B.C.	CHSJ	1150
Sarnia, Ont.	CKXR	580
	CHOK	1070
	CKJD	1250
Saskatoon, Sask.	CFNS	880
	CFQC	600
	CKOM	1250
Sault Ste. Marie, Ont.	CKTS	900
	CKCY	920
Sept-Iles, Que.	CKCN	580
Shaunavon, Sask.	CJSN	1490
Shawinigan, Que.	CKSM	1220
Sherbrooke, Que.	CHLT	630
	CJRS	1510
Simcoe, Ont.	CHNR	1600
Smithers, B.C.	CFBY	1230
Smiths Falls, Ont.	CJET	630
Sorel, Que.	CJBO	1320
Steinbach, Man.	CHSM	1280
Stephenville, Nfld.	CFX	910
Stratford, Ont.	CKSW	1400
Sudbury, Ont.	CFBR	900
	CHNO	550
	CKSO	790
Summerland, B.C.	CKSP	1480
Summerside, P.E.I.	CJRW	1240
Sussex, N.B.	CJCV	580
Swift Current, Sask.	CKSW	1400
Sydney, N.S.	CHBI	1140
	CHER	950
	CJCB	1270
Taber, Alta.	CKTA	1570
Temesamingue, Que.	CKVT	1340
Terrace, B.C.	GFTK	590
	CJBS	1240
The Pas, Man.	CJAR	900
Therford Mines, Que.	CKLD	1230
Thompson, Man.	CHTM	610
Thunder Bay, Ont.	CBQ	800
	CFPA	1230
	CKFR	580
Tillsonburg, Ont.		

CANADIAN AM STATIONS BY CALL LETTERS

Table with 4 columns: Call, Location, kHz, Call, Location, kHz, Call, Location, kHz, Call, Location, kHz. Lists various Canadian AM radio stations and their frequencies.

CANADIAN FM STATIONS BY LOCATION

Table with 4 columns: Location, Call, MHz, Location, Call, MHz, Location, Call, MHz, Location, Call, MHz. Lists Canadian FM radio stations categorized by location.

CANADIAN TV STATIONS BY LOCATION

Location	Call	Ch.	Location	Call	Ch.	Location	Call	Ch.
Jouquefere, Que.	CKRS-TV	12	Millertown, Nfld.	CBNAT-5	7	Port Alberni, B.C.	CBUT-3	4
Jubile Mountain, B.C.	CFWL-TV-2	8	Minden, Ont.	CHEX-TV-2	10	Port Alfred, Que.	CKRS-TV-1	9
Juskatla, B.C.	CFTK-TV-7	2	Moncton, N.B.	CBFAIT	11	Port Alice, B.C.	CKPA-TV-1	2
Kamloops, B.C.	CFJC-TV	4		CHMT-TV	7	Port Aux Basques, Nfld.	CBYT-4	8
Kapuskasing, Ont.	CHKM-TV	6	Mont Blanc Percé, Que.	CKCW-TV	2		CJWN-TV-4	7
	CFBL-TV-1	12		CFGW-TV-2	8	Port Daniel, Que.	CHAU-TV-3	10
	CFCL-TV-2	2	Mont Clément, Que.	CBGAT-1	11	Port Hardy, B.C.	CFKB-TV-3	3
	CKSO-TV-4	10	Monte Lake, B.C.	CJML-TV-1	8	Port Renfrew, B.C.		
Kearns, Ont.	CFCL-TV-2	2	Mont-Laurier, Que.	CBFT-2	3		CJTV-TV-1	11
	CKSO-TV-3	11	Mont-Louis, Que.	CBGAT-4	2		CBNT-1	13
Kelly Mountain, B.C.	CBUAT-4	13	Mont Tremblant, Que.	CBFT-1	11	Port Rash Creek, B.C.		
Kelowna, B.C.	CHBC-TV	2	Montreal, Que.	CBFT	2		CFZQ-TV-3	12
	CHKL-TV	5		CBMT	8		CKBI-TV	5
	CFTK-TV-5	2		CFCF-TV	12		CKPG-TV	2
Kemano, B.C.	CFTK-TV-5	2		CFTM-TV	10	Prince Albert, Sask.	CKBI-TV	5
Keno Hill, Y.T.	CBKHT	13		CIVM-TV	17	Prince George, B.C.	CKPG-TV	2
Kenora, Ont.	CBWAT	8		CKBT	7		CIFG-TV	12
Keremeos, B.C.	CHKC-TV-1	4		CIVM-TV	17	Prince Rupert, B.C.		
	CHKC-TV-4	9	Moose Jaw, Sask.	CKBMT	4		CFTK-TV-1	6
	CFTK-TV-4	9	Moosonee, Ont.	CBCO-TV-1	9	Princeston, B.C.	CHGP-TV-1	5
Kildala, B.C.	CFTK-TV-4	9		CBWIT-1	9	Pritchard, B.C.	CFJC-TV-19	2
King Island, B.C.	CHVT-TV-1	9					CHKM-TV-1	9
Kingston, Ont.	CKWS-TV	11	Morrisrise Ridge, B.C.	CBUBT-8	21	Promontory Mountain, B.C.		
Kitchener, Ont.	CKCO-TV	13	Mount Baker, B.C.	CBUBT-7	10		CFJC-TV-12	10
Kiattm, B.C.	CFKK-TV-1	2	Mount St. Margaret, Nfld.	CBNAT-9	9	Purden Lake, B.C.	CBUHT-1	10
Kokish, B.C.	CFKB-TV-2	9	Mount Timothy, B.C.			Quebec, Que.	CVCM-TV	4
Kwinatani, B.C.	CKCC-TV-1	7		CFJC-TV-6	5		CIVQ-TV	15
				CKVS-TV-1	5		CKMI-TV	5
Labrador City, Nfld.	CBSET-2	13	Moyle, B.C.	CFJC-TV-6	5	Quesnel, B.C.	CFJC-TV-11	7
	CBST-3	11	Mt. Dolly, Near Stewart, B.C.				CITM-TV-2	8
	CBST-4	4	Mt. Parizeau, B.C.	CFJK-TV-6	5	Radisson, P.Q.	CBFT	8
Lac du Bonnet, Man.	CBWT-2	4					CKCO-TV-1	13
La Etchemin, Que.	CBVT-4	55	Mt. Poole, Near Queen Charlotte, B.C.	CHQC-TV-1	4	Radium Hot Springs, B.C.	CBUBT-5	77
La Grande Pêche, Alta.	CBXT-5	10	Mount Timothy, B.C.	CITM-TV	12	Rainbow Lake, Alta.	CBUBT-8	11
	CFRN-TV-5	2	Mulgrave, N.S.	CBFT-2	7	Rames, Nfld.	CFRT-TV-1	13
	CBVT-3	2		CBFT-2	7		CJOX-TV-6	10
Lake Louise, Alta.	CFLL-TV-1	8	Murdochville, Que.	CBGAT-2	6	Rankin Inlet, N.W.T.	CBECT	9
	CFLL-TV-2	9		CKMU-TV-1	2	Rapides-des-Joachims, P.Q.	CBOST-2	8
Lalakata Point, B.C.	CFBS-TV-1	11	Musgrave Harbour, Nfld.			Red Deer, Alta.	CKRD-TV	6
L'Anse à Valteau, Que.	CHAU-TV-9	7		CBNAT	7	Red Lake, Ont.	CBWET	10
	CBKST-2	12		CBNAT-7	7	Red Rocks, Nfld.	CJWN-TV-2	11
La Ronche, Sask.	CBVT-2	3		CJNP-TV-2	2	Regina, Sask.	CKBRT	9
La Tuque, Que.	CBVT-2	3	Nakusp, B.C.	CJNP-TV-3	7	Richmond Lake, Sask.	CFQC-TV	83
Lawn, Nfld.	CJOX-TV-2	10		CJNP-TV-3	7	Rimouski, Que.	CJBR-TV	3
Leader, Sask.	CKJC-TV-1	13				Riverhurst, Sask.	CJFB-TV-3	10
	CKJC-TV-2	7				Rivière-au-Renard, Que.	CHAU-TV-7	7
Leaf Rapids, Man.	CBWQT	13	Nass Camp (Near Lava Lake) B.C.	CFBK-TV-1	7	Riviere du Loup, Que.	CKRT-TV	7
Leithbridge, Alta.	CJOC-TV	7	Natal, B.C.	CBUBT-10	11		CKRT-TV-3	13
	CFCN-TV-5	13	Nelson, B.C.	CBUCT	9	Roberval, Que.	CKRS-TV-3	8
Lillooet, B.C.	CFDM-TV-2	13	Nelson House, Man.	CBWPT	11	Rocky Mountain House, Alta.	CFMH-TV-12	12
	CFMZ-TV-1	2	Newcastle Ridge, B.C.	CKAM-TV-1	9	Ross River, Y.T.	CFR-TV-12	12
Lithium Mines, Que.	CJDG-TV	8		CFKB-TV-1	7	Rouyn, Que.	CKRN-TV	4
	CBHT-1	12	New Denver, B.C.	CHSL-TV-1	6	Saint John, N.B.	CHS-TV	4
Liverpool, N.S.	CBHT-1	12	New Glasgow, N.S.	CBHT-5	7	Saimo, B.C.	CBUT-5	9
Lloydminster, Alta.	CHL-TV	4		CHSL-TV-1	6	Salmon Arm, B.C.	CHBC-TV-4	9
	CKSA-TV	2	Nimkish, B.C.	CFNB-TV	4	Sarnia, Ont.	CKGN-TV-29	29
Logan Lake, B.C.	CHLK-TV-1	11	Nine Mile Mountain (Northeast New Hazelton), B.C.	CFST-TV-1	9	Saskatoon, Sask.	CBKST	11
	CHLK-TV-2	13	Nipawin, Sask.	CKBI-TV-4	7	Sault Ste. Marie, Ont.	CJIC-TV	2
	CFPL-TV	10				Savona, B.C.	CFSC-TV-2	8
London, Ont.	CBUT-2	3				Sayward, B.C.	CBUT-10	4
Lookout Ridge, Near Chilliwack, B.C.	CBUHT-2	6				Schefferville, P.Q.	CBST-2	9
Loos, B.C.	CHID-TV-1	4				Sept-Îles, P.Q.	CBST	13
Lumby, B.C.	CHID-TV-2	9				Shaunavon, Sask.	CBPC-TV-1	7
	CBWRT	8				Sheet Harbour, N.S.	CBHT-4	11
Lynn Lake, Man.	CHWS-TV-1	11				Shelburne, N.S.	CBHT-2	6
Lytton, B.C.	CILY-TV-1	8				Sherbrooke, Que.	CHLT-TV	7
	CHPP-TV-1	8					CKSH-TV	9
Mabel Lake, B.C.	CBIT-4	3				Sherridon, Man.	CJSM-TV-1	5
Mabou, N.S.	CKPG-TV-4	6				St. John's, Nfld.	CBWDT-1	12
MacKenzie, B.C.	CFFI-TV-1	4				Skaha Lake, Near Pentteton, B.C.	CHBC-TV-7	7
Malakwa, B.C.	CFPI-TV-2	11				Smithers, B.C.	CFTK-TV-2	5
Malartic, Que.	CFCL-TV-5	5				Snow Lake, Man.	CBWKT	8
Manicouagan 3, Que.	CKHQ-TV-6	13				Sointula, B.C.	CFKB-TV-4	5
Manicouagan 5, Que.	CKNQ-TV-1	10				South Bentick Arm, Nfld.	CFBS-TV-2	13
Manitouwadge, Ont.	CBLAT-1	8				Spence's Bridge, B.C.	CJNA-TV-1	3
Manning, Alta.	CBXAT-3	12				Spiritwood, Sask.	CKBI-TV-9	12
Maple Creek, Sask.	CHAT-TV-2	10				Squamish, B.C.	CBUT-5	11
	CBAT-4	11				St. Alban's, Nfld.	CBNT-4	9
Marathon, Ont.	CBIT-5	8				St. Andrews, Nfld.	CBYT-6	6
Margaree, N.S.	CKM-TV	7				St. Anthony, Nfld.	CBNAT-4	6
Marquise, Sask.	CKM-TV	7				St. Georges de Beauce, Que.	CBVT-1	2
Marytown, Nfld.	CBNT-3	8					CBNT	8
Matagam, Que.	CKRN-TV-4	7					CJON-TV	6
Matane, Que.	CBGAT	9					CJON-TV-3	10
	CBGAT-6	9						
Mayo, Y.T.	CBKHT-2	7						
McBrides, B.C.	CBKHT-2	7						
McCusker Lake, Man.	CBWUT	10						
Meadow Lake, Sask.	CKSA-TV-1	12						
	CHAT-TV	6						
Medicine Hat, Alta.	CKBO-TV	2						
	CBHT-3	10						
Melfort, Sask.	CFJC-TV-3	10						
Melita, Man.	CFJC-TV-3	10						
Merritt, B.C.	CFJC-TV-3	10						
Mica Creek (Site 1), B.C.	CFZQ-TV-1	9						
	CHMC-TV-1	7						
Mica Creek (Site 2), B.C.	CHMC-TV-1	7						
Mica Creek Village, B.C.	CFZQ-TV-2	5						
Micoua, Que.	CKHQ-TV-3	12						
Midway, B.C.	CKMY-TV-1	7						

WORLDWIDE SHORTWAVE STATIONS

120 Meter Band—2300-2495 kHz					90 Meter Band—3200-3400 kHz				
kH	Call	Name	Location	GMT	kH	Call	Name	Location	GMT
2340	—	R. West New Britain	Kimbe, Papua New Guinea	1100	3220	—	R. Morobe	Lae, Papua New Guinea	1130
2360	TGBA	R. Maya	Huehuetenango, Guatemala	1130	3223	—	R. Tago	Lama-Kara, Togo	0600
2376	—	R. Chimu	Kundiawa, Papua New Guinea	1030	3225	YVTC	R. Occidente	Tovar, Venezuela	0030
2390	TGDF	LV Atitlan	Santiago, Guatemala	1130	3230	—	B. C. of China	Taipei, Taiwan	1230
2410	—	R. Eastern Highlands	Goroka, Papua New Guinea	1130	3245	YVKI	R. Libertador	Caracas, Venezuela	0100
2428	—	R. New Ireland	Kavieng, Papua New Guinea	1130	3250	—	R. Republik Indonesia	Banjarmasin, Indonesia	1200
2450	—	R. Western Highlands	Mt. Hagen, Papua New Guinea	1100	3250	—	South African B.C.	Johannesburg, South Africa	0030
2468	—	R. Northern District	Papondetta, Papua New Guinea	1130	3275	YVMC	R. Mara	Maracaibo, Venezuela	0300
2490	—	People's Liberation Army	Foachow, China	1500	3290	—	Guyana B.S.	Georgetown, Guyana	0130

kHz	Call	Name	Location	GMT	kHz	Call	Name	Location	GMT
3295	YVOG	R. Trujillo	Trujillo, Venezuela	1100	5953	—	R. Super de Medellin	Medellin, Colombia	1100
3300	—	R. Belize	Br. Honduras	0400	5955	—	R. Cultural	Guatemala City, Guatemala	0330
3300	TGNA	R. Cultural	Guatemala City, Guatemala	0300	5965	TGNA	R. Budapest	Budapest, Hungary	2130
3305	—	R. Western District	Daru, Papua New Guinea	0930	5965	—	R. Swiss B.C.	Berne, Switzerland	0130
3315	—	France Region 3	Fort de France, Martinique	0130	5970	HCJB	V. Andes	Quito, Ecuador	0230
3316	—	Sierra Leone B.S.	Free town, Sierra Leone	0700	5980	—	R. RSA	Johannesburg, South Africa	0400
3322	—	R. Bougainville	Bougainville, Papua New Guinea	1030	5980	XERMX	R. Mexico	Mexico, Mexico	2100
3325	HCHA2	Ondas Quevedenas	Quevedo, Ecuador	1030	5985	—	R. Splendid	Buenos Aires, Argentina	0230
3326	TGBA	R. Maya	Huehuetenango, Guatemala	0130	5987	—	R. Republik Indonesia	Menado, Indonesia	1300
3335	—	R. East Sepik District	Wewak, Papua New Guinea	1100	5990	—	R. Japan	Tokyo, Japan	1400
3340	HCPB4	R. El Mar	Esmeraldas, Ecuador	0100	5995	—	R. Mali	Bamako, Mali	2200
3345	4VEH	R. 4VEH	Cap Haitien, Haiti	0200	6000	—	R. Swan	San Pedro Sula, Honduras	0630
3360	TGVN	V. Nahuala	Nahuala, Guatemala	0230	6005	—	British B.C. relay	Ascension Is.	0330
3380	TGCH	R. Choritz	Jocotan, Guatemala	0030	6010	—	RAI	Rome, Italy	0100
3385	—	France Region 3	Cayenne, Fr. Guiana	0200	6020	—	R. Nederland relay	Talata, Malagasy Rep.	1730
3396	—	Nigerian B.C.	Kaduna, Nigeria	2230	6020	—	R. Kiev	USSR	1700
3425	—	R. Nepal	Kathmandu, Nepal	1300	6025	ZPA1	R. Nacional	Asuncion, Paraguay	1000
					6025	—	R. Tashkent	Tashkent, USSR	1200
					6035	—	R. Sweden	Stockholm, Sweden	0000

75 Meter Band—3800-4000 kHz

3885	—	R. Cl. Cabo Verde	Praia, Cape Verde Is.	0715
3905	—	R. Manus	Manus, Admiralty Is.	1100
3910	—	Far East Network	Tokyo, Japan	1200
3925	—	NSB	Tokyo, Japan	1300
3945	—	R. Vila	Vila, New Hebrides	0900
3945	—	R. Republik Indonesia	Denpasar, Indonesia	1100
3960	—	R. Republik Indonesia	Padang, Indonesia	1200
3975	—	British B.C.	London, England	0330
3985	—	Swiss B.C.	Berne, Switzerland	0700
3990	—	V. America relay	Monrovia, Liberia	0530
3995	—	R. RSA	Johannesburg, South Africa	0300

60 Meter Band—4750-5060 kHz

4330	—	R. Peking	Peking, China	1230
4500	VNG	Australian Post Office	Melbourne, Australia	1100
4679	HCWE1	R. Nac. Espejo	Quito, Ecuador	0400
4719	—	R. Republik Indonesia	Uluj Pandang, Indonesia	1230
4725	—	Burma B.C.	Rangoon, Burma	1130
4750	—	R. Lubumbashi	Lubumbashi, Zaïre	0430
4764	—	R. Republik Indonesia	Medan, Indonesia	1200
4770	ELWA	Sudan Interior Mission	Monrovia, Liberia	2100
4770	YVNW	R. Bolivar	Ciudad Bolivar, Venezuela	0130
4775	—	R. Afghanistan	Kabul, Afghanistan	1230
4780	—	France Regions 3	Djibouti, Afars and Issa	1445
4790	OAX8F	R. Atlantida	Liquitos, Peru	0430
4800	—	All India R.	Hyderabad, India	1400
4800	YVMO	R. Lara	Barquisimeto, Venezuela	0300
4807	—	R. Norte	Santo Domingo, Dominican Rep.	0500
4810	HCVG8	LV Galapagos	Galapagos Is.	1230
4815	YVMG	R. Popular	Maracaibo, Venezuela	0130
4815	OAX8X	R. Samaren	Liquitos, Peru	0300
4820	HRVC	R. Evangelica	Tegucigalpa, Honduras	0300
4825	—	R. Tanzania	Dar es Salaam, Tanzania	2030
4830	—	RTV Gabonaise	Franceville, Gabon	2130
4832	TIH8	R. Capital	San Jose, Costa Rica	0430
4835	—	South African B.C.	Johannesburg, South Africa	0400
4840	—	People's Liberation Army	Foohow, China	1200
4843	—	RTV Congolaise	Pte. Noire, Congo	0500
4850	—	R. Nat. Mauritanie	Neuakchott, Mauritania	0700

4870	—	V. Revolution	Cotonou, Benin	0530
4872	—	R. Republik Indonesia	Sorong, Indonesia	1230
4885	HJIG	Ondas del Meta	Villavicencio, Colombia	0300
4890	—	National B.C.	Port Moresby, Papua New Guinea	1200
4890	YVKB	R. Venezuela	Caracas, Venezuela	0300
4900	—	R. Cardac	Bujumbura, Burundi	0400
4900	YVNK	R. Juventud	Barquisimeto, Venezuela	0100
4911	—	R. Zambia	Lusaka, Zambia	0400
4915	—	R. Ghana	Accra, Ghana	0530
4920	—	Australian B.C.	Brisbane, Australia	1300
4923	HCRQ1	R. Quito	Quito, Ecuador	1000
4924	—	Harbin, China	Harbin, China	2230
4926	—	R. Equatorial	Bata, Eq. Guinea	0500
4930	HCCR1	R. Casa de la Cultura	Quito, Ecuador	0300
4932	—	Hanoi, North Vietnam	Hanoi, North Vietnam	1100
4940	—	RTV Ivoirienne	Abidjan, Ivory Coast	0600
4940	YVPA	R. Yaracuy	San Felipe, Venezuela	1100
4945	HJDH	R. Calosal	Neiva, Colombia	1130
4955	HJCQ	R. Nacional	Bogota, Colombia	0230
4965	HJAE	R. Santa Fe	Bogota, Colombia	0300
4970	YVJK	R. Rumbos	Caracas, Venezuela	0200
4972	—	R. Yaounde	Yaounde, Cameroun	0530
4980	—	R. Ghana	Accra, Ghana	0530
4990	YVMQ	R. Barquisimeto	Barquisimeto, Venezuela	0300
4996	OAZ4C	R. Andina	Huancayo, Peru	0430
5000	WWV	Nat. Bureau Standards	Ft. Collins, USA	2300
5010	—	R. Garoua	Garoua, Cameroun	0600
5015	—	—	Vladivostok, USSR	1200
5020	—	Solomon Is. B.S.	Honiara, Solomon Is.	1000
5026	HCEV5	R. Splendit	Cuenca, Ecuador	0430
5038	—	R. Nat. Centrafriaine	Bangui, Cent. Afr. Rep.	2230
5040	—	R. Bissau	Guinea-Bissau	2230
5075	HJGG	R. Sutatenza	Bogota, Colombia	0100
5095	HJGG	R. Sutatenza	Bogota, Colombia	2330

49 Meter Band—5950-6200 kHz

5900	—	Israel B. Auth.	Jerusalem, Israel	2000
5915	—	K. Peace and Progress	USSR	0430
5930	—	R. Prague	Prague, Czechoslovakia	0100
5950	—	R. Pakistan	Karachi, Pakistan	1230
5950	—	Guyana B.S.	Georgetown, Guyana	1030

5953	—	R. Super de Medellin	Medellin, Colombia	1100
5955	—	R. Cultural	Guatemala City, Guatemala	0330
5965	—	R. Budapest	Budapest, Hungary	2130
5965	—	R. Swiss B.C.	Berne, Switzerland	0130
5970	HCJB	V. Andes	Quito, Ecuador	0230
5980	—	R. RSA	Johannesburg, South Africa	0400
5980	XERMX	R. Mexico	Mexico, Mexico	2100
5985	—	R. Splendid	Buenos Aires, Argentina	0230
5987	—	R. Republik Indonesia	Menado, Indonesia	1300
5990	—	R. Japan	Tokyo, Japan	1400
5995	—	R. Mali	Bamako, Mali	2200
6000	—	R. Swan	San Pedro Sula, Honduras	0630
6005	—	British B.C. relay	Ascension Is.	0330
6010	—	RAI	Rome, Italy	0100
6020	—	R. Nederland relay	Talata, Malagasy Rep.	1730
6020	—	R. Kiev	USSR	1700
6025	ZPA1	R. Nacional	Asuncion, Paraguay	1000
6025	—	R. Tashkent	Tashkent, USSR	1200
6035	—	R. Sweden	Stockholm, Sweden	0000
6045	OCY4H	R. Santa Rosa	Lima, Peru	1130
6055	—	NSB	Tokyo, Japan	1400
6060	—	RAI	Callanissetta, Sicily	0030
6060	—	R. Havana Cuba	Havana, Cuba	2300
6065	—	R. Nac. Espana	Madrid, Spain	0300
6070	YVSR	R. San Sebastian	San Cristobal, Venezuela	0000
6075	—	Deutsche Welle	Cologne, W. Germany	0130
6080	—	RTV Belge	Brussels, Belgium	0045
6080	CKFX	—	Vancouver, Canada	2000
6085	—	R. Kisangani	Kisangani, Zaire	2030
6090	—	R. Luxemburg	Luxembourg	0000
6090	—	RTV Kaduna	Kaduna, Nigeria	2200
6100	—	R. Belgrade	Belgrade, Yugoslavia	2200
6105	XEQM	Su Pantera	Merida, Mexico	1400
6115	XEUDES	R. Univ. Sonora	Hermosillo, Mexico	2300
6121	—	R. Super de Cali	Cali, Colombia	1130
6125	HRQ	R. Suyapa	San Pedro Sula, Honduras	0400
6130	—	R. Ghana	Accra, Ghana	2100
6130	CHNX	—	Hallifax, Canada	2300
6130	—	Deutsche Welle	Cologne, W. Germany	0200
6140	—	Australian B.C.	Perth, Australia	1230
6155	—	Far East Network	Tokyo, Japan	1400
6156	—	Cap Haitien, Haiti	Cap Haitien, Haiti	1200
6160	HJKJ	Em. Nueva Grenada	Bogota, Colombia	0230
6170	YVKO	R. Nacional	Caracas, Venezuela	1200
6170	—	RTV Marocaine	Tangier, Morocco	2130
6175	TIFC	Faro del Caribe	San Jose, Costa Rica	1200
6185	—	R. Ethiopia	Addis Ababa, Ethiopia	0400
6185	—	Deutsche Welle	Cologne, W. Germany	0545
6190	—	Trans World R.	Bonaire, Neth. Antilles	0400
6195	—	Nigerian B.C.	Sokoto, Nigeria	2200
6200	—	R. Tirana	Tirana, Albania	0130
6205	—	R. France Int.	Paris, France	0400
6250	—	R. Pyongyang	Pyongyang, N. Korea	0430
6320	—	R. Peking	Peking, China	1200
6900	—	Turkish Meteorological R.	Ankara, Turkey	0530

41 Meter Band—7100-7300 kHz

7085	—	R. France Int.	Paris, France	2000
7105	—	R. Nac. Espana	Madrid, Spain	1230
7110	—	R. Republik Indonesia	Yogyakarta, Indonesia	1130
7110	—	R. Moscow	USSR	0630
7110	—	R. Mali	Bamako, Mali	0800
7120	—	R. Peking relay	Tirana, Albania	0100
7121	—	R. Hargeisa	Hargeisa, Somalia	1600
7125	—	Polish R.	Warsaw, Poland	1500
7145	—	Lao Nat. R.	Vientiane, Laos	1300
7150	—	R. Moscow	USSR	0130
7155	—	R. Budapest	Budapest, Hungary	1215
7170	—	R. Noumea	Noumea, New Caledonia	0700
7195	—	R. Bucharest	Bucharest, Rumania	1330
7200	—	—	Vladivostok, USSR	1230
7200....	—	R. Omdurman	Omdurman, Sudan	2145
7210	—	R. Nat. Tchadienne	N'djamena, Chad	1600
7225	—	RTV Tunisienne	Tunis, Tunisia	2300
7235	—	Ulan Bator R.	Ulan Bator, Mongolia	1615
7252	—	LV Revolution	Canaky, Guinea	0400
7300	—	R. Sana'a	Sana'a, Yemen	2130
7345	—	R. Prague	Prague, Czechoslovakia	0100
7412	—	Israel B. Auth.	Jerusalem, Israel	0500

31 Meter Band—9500-9775 kHz

9009	—	Israel B. Auth.	Jerusalem, Israel	2030
9022	—	V. Iran	Teheran, Iran	2000
9460	—	R. Peking	Peking, China	0315
9480	—	R. Tirana	Tirana, Albania	2000
9485	—	R. France Int.	Paris, France	2030
9505	—	R. Japan	Tokyo, Japan	0600
9505	—	R. Omdurman	Omdurman, Sudan	2100
9510	—	V. Free China	Taipei, Taiwan	2130
9510	YVXJ	R. Barquisimeto	Barquisimeto, Venezuela	2200
9515	—	V. Turkey	Ankara, Turkey	2200
9520	—	V. Greece	Athens, Greece	1500
9520	—	R. New Zealand	Wellington, New Zealand	0500
9525	—	All India R.	Delhi, India	1930
9540	—	R. Tashkent	Tashkent, USSR	1200
9550	—	R. Tanzania	Der es Salaam, Tanzania	0600
9560	—	R. Jordan	Amman, Jordan	1630
9560	—	R. Australia	Melbourne, Australia	1400
9560	HCJB	V. Andes	Quito, Ecuador	0230
9562	OAX4R	R. Nac. Peru	Lima, Peru	1100
9565	—	V. Chile	Santiago, Chile	0200
9570	—	Qatar B.S.	Doha, Qatar	1330

kHz	Call	Name	Location	GMT	kHz	Call	Name	Location	GMT
9575	—	R. Canada Int.	Montreal, Canada	2100	15105	—	British B.C. relay	Ascension Island	1700
9575	—	RTV Kaduna	Kaduna, Nigeria	2200	15105	—	R. Japan	Tokyo, Japan	0300
9580	—	R. Zambia	Lusaka, Zambia	2030	15110	—	R. Finland	Helsinki, Finland	1400
9580	—	V. Philippines	Manila, Philippines	1400	15115	HCB	V. Andes	Quito, Ecuador	1600
9585	—	R. RSA	Johannesburg, South Africa	2230	15125	—	R. Portugal	Lisbon, Portugal	1630
9590	—	R. Norway	Oslo, Norway	1400	15125	—	V. Free China	Taipei, Taiwan	0200
9600	—	R. Nac. Espana	Madrid, Spain	1900	15130	—	R. New Zealand	Wellington, New Zealand	0300
9605	—	R. Vatican R.	Vatican City	0100	15130	—	R. Nac. Espana	Madrid, Spain	1430
9605	—	R. Sweden	Stockholm, Sweden	2315	15130	WYFR	Family R.	Oakland, USA	1930
9615	—	RTV Marocaine	Tangier, Morocco	2000	15140	—	Swiss B.C.	Berne, Switzerland	1300
9620	—	V. America relay	Woolferton, England	2000	15145	ZYB37	R. Jornal do Comercio	Recife, Brazil	2100
9625	—	R. Cairo	Cairo, Egypt	0130	15150	—	V. Chile	Santiago, Chile	0100
9635	ZYR236	R. Aparecida	Aparecida, Brazil	0930	15170	—	R. Berlin Int.	Berlin, E. Germany	1800
9640	—	R. Korea	Seoul, S. Korea	1100	15170	—	R. Denmark	Copenhagen, Denmark	1530
9645	TIFC	Farø del Caribe	San Jose, Costa Rica	0400	15170	—	R. Tahiti	Papeete, Tahiti	0100
9647	—	R. Thailand	Bangkok, Thailand	0930	15175	—	R. RSA	Johannesburg, South Africa	1830
9660	YVLM	R. Rumbos	Caracas, Venezuela	0100	15180	—	All India R.	Delhi, India	1530
9675	OAZ4L	R. del Pacifico	Lima, Peru	1130	15190	—	RTV Congolaise	Brazzaville, Congo	1900
9690	—	RAE	Buenos Aires, Argentina	0330	15195	—	R. Japan	Tokyo, Japan	2300
9695	—	R. Sweden	Stockholm, Sweden	0245	15210	—	R. France Int.	Paris, France	1700
9705	XERMX	R. Mexico	Mexico City, Mexico	2245	15245	—	L.V. Zaire	Kinshasa, Zaire	2000
9710	—	South African B.C.	Johannesburg, South Africa	0545	15250	—	V. America	Dallas, USA	0200
9710	—	RAI	Rome, Italy	0300	15275	—	Trans World R.	Bonaire, Neth. Antilles	2200
9715	—	R. Nederland relay	Bonaire, Neth. Antilles	0530	15280	KGEL	V. Friendship	San Francisco, USA	0030
9715	—	Far East B.C.	Manila, Philippines	1530	15325	—	Uganda B.C.	Kampala, Uganda	1800
9715	—	R. Kuwait	Kuwait	1645	15325	—	R. Veritas	Manila, Philippines	0000
9715	HCB	V. Andes	Quito, Ecuador	1200	15330	—	R. Berlin Int.	Berlin, E. Germany	1300
9720	—	Sri Lanka B.C.	Colombo, Sri Lanka	0130	15330	HJZP	American Forces RTS	Bethany, USA	1500
9725	—	Swiss B.C.	Berne, Switzerland	0130	15335	—	R. Nacional	Bogota, Colombia	1500
9730	—	Uganda B.C.	Kampala, Uganda	2030	15350	—	L. V. Zaire	Kinshasa, Zaire	1900
9740	—	British B.C. relay	Tebrau, Malaysia	1300	15365	ETLF	R. V. Gospel	Addis Ababa, Ethiopia	1930
9740	—	V. America relay	Kavala, Greece	0200	15375	HCB	V. Andes	Quito, Ecuador	2300
9745	—	Austrian R.	Vienna, Austria	1600	15385	—	RAI	Rome, Italy	1700
9745	—	R. Bagdad	Baghdad, Iraq	1930	15385	XERMX	R. Mexico	Mexico City, Mexico	2200
9750	—	R. Sweden	Stockholm, Sweden	1400	15395	—	R. Moscow	USSR	1230
9770	4VEH	R. 4VEH	Cap Haitien, Haiti	1200	15400	—	R. Bangladesh	Dacca, Bangladesh	0500
9780	—	R. Senaa	Senaa, Yemen	2100	15400	YVKN	R. Nacional	Caracas, Venezuela	2230
9780	—	R. Kiev	USSR	0300	15415	—	R. Prague	Prague, Czechoslovakia	0730
9805	—	R. Cairo	Cairo, Egypt	2230	15425	VLW15	Australian B.C.	Perth, Australia	0100
9940	—	R. Peking	Peking, China	0000	15440	DZF8	Far East B.C.	Manila, Philippines	2330
10530	—	R. Alma Ata	Alma Ata, USSR	1900	15445	—	R. Nac. Brasilia	Brasilia, Brazil	2130
					15504	—	R. Espana Independente	Clandestine	1230
					15520	—	R. Pakistan	Karachi, Pakistan	0500

25 Meter Band—11700-11975 kHz

11620	—	All India R.	Delhi, India	1730
11630	—	R. Cairo	Cairo, Egypt	2230
11655	—	Israel B. Auth.	Jerusalem, Israel	1200
11675	—	R. Peking	Peking, China	0000
11705	—	R. France Int.	Paris, France	1700
11705	—	R. Japan	Tokyo, Japan	0000
11710	—	RAE	Buenos Aires, Argentina	2330
11715	—	R. Cairo	Cairo, Egypt	2000
11715	—	Far East B. Assoc.	Victoria, Seychelles	1845
11720	KGEL	V. Friendship	San Francisco, USA	0000
11730	—	R. Nederland relay	Talata, Malagasy Rep.	1900
11730	—	R. Nederland relay	Bonaire, Neth. Antilles	0000
11740	—	British B.C. relay	Limassol, Cyprus	0600
11765	—	R. Tashkent	Tashkent, USSR	1130
11770	—	All India R.	Delhi, India	2330
11775	WINB	World Int. B.	Red Lion, USA	2145
11780	PR18	R. Nac. Brasilia	Brasilia, Brazil	2100
11780	—	R. Sweden	Stockholm, Sweden	1800
11800	—	Sri Lanka B.C.	Colombo, Sri Lanka	1400
11805	ZYZ65	R. Globo	Rio de Janeiro, Brazil	0000
11810	—	RTV Algerienne	Algiers, Algeria	2300
11815	—	Polish R.	Warsaw, Poland	0300
11820	—	R. Nederland	Hilversum, Netherlands	1630
11825	—	R. Tahiti	Papeete, Tahiti	0330
11830	—	Vatican R.	Vatican City	1700
11835	CXA19	R. El Espectador	Montevideo, Uruguay	0100
11850	—	K. Ghana	Accra, Ghana	2030
11850	—	K. Korea	Seoul, S. Korea	0500
11860	—	K. Norway	Oslo, Norway	1530
11870	—	Swiss B.C.	Berne, Switzerland	1530
11877	ZYC40	R. Soc. Bahia	Salvador, Brazil	0000
11880	—	R. Moscow	Moscow, USSR	1300
11880	—	K. Nac. Espana	Madrid, Spain	0330
11890	ETLF	R. V. Gospel	Addis Ababa, Ethiopia	1615
11890	—	K. France Int.	Paris, France	1700
11900	—	R. RSA	Johannesburg, S. Africa	2230
11920	HCB	V. Andes	Quito, Ecuador	0000
11920	—	RTV Ivoirienne	Abidjan, Ivory Coast	1930
11925	—	R. Tashkent	Tashkent, USSR	1200
11930	—	R. France Int.	Paris, France	1700
11935	ZYS35	R. Cl. Paranaense	Curitiba, Brazil	0000
11935	—	R. Portugal	Lisbon, Portugal	0430
11940	—	R. Kuwait	Kuwait	1730
11940	—	RTV Belge	Brussels, Belgium	1800
11940	—	K. Bucharest	Bucharest, Rumania	1300
11945	ELWA	Sudan Interior Mission	Monrovia, Liberia	2100
11970	—	R. RSA	Johannesburg, South Africa	2000
12032	—	V. Vietnam	Hanoi, S. Vietnam	1230
12050	—	R. Moscow	Moscow, USSR	2300
12120	—	R. Peking	Peking, China	0000

19 Meter Band—15100-15450 kHz

15010	—	V. Vietnam	Hanoi, N. Vietnam	1230
15060	—	R. Peking	Peking, China	1300
15070	—	British B.C.	London, England	1330
15080	—	All India R.	Bombay, India	1800
15085	—	K. Teheran	Teheran, Iran	1500
15100	—	Israel B. Auth.	Jerusalem, Israel	1400

16 Meter Band—17700-17900 kHz

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

13 Meter Band—21450-21750 kHz

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

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THREE SHORTCUTS TO YOUR FIRST SHORTWAVE ANTENNA

by Hank Scott

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

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

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

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

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

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

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

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

FIRST SHORTWAVE ANTENNA

(Radio Shack 15-1200).

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

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

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

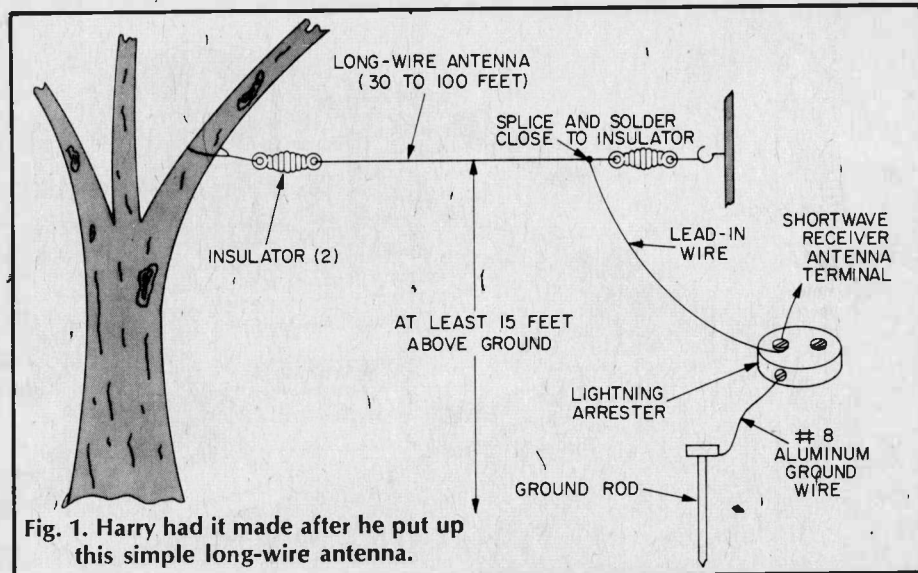


Fig. 1. Harry had it made after he put up this simple long-wire antenna.

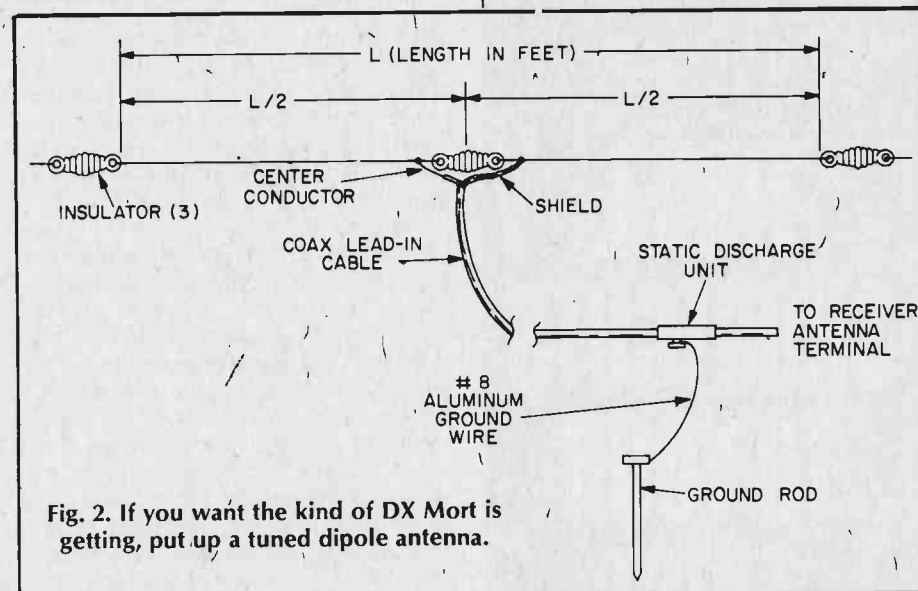


Fig. 2. If you want the kind of DX Mort is getting, put up a tuned dipole antenna.

Dipole Overall Length for the Shortwave Broadcast Bands

Band	Frequencies (kHz)	Mid-Frequencies (kHz)	Length (feet— inches)
120	2300-2495	2397.5	195—2
90	3200-3400	3300	141—10
75	3800-4000	3900	120—0
60	4750-5060	4905	95—5
49	5950-6200	6075	77—0
41	7100-7300	7200	65—0
31	9500-9775	9637.5	48—7
25	11700-11975	11837.5	39—6
19	15100-15450	15275	30—8
16	17700-17900	17800	26—3
13	21450-21750	21600	21—8

Coax Lead-in Cable

Cable Type	Typical Ohms
RG-11/U	75
RG-59/U	73
RG-59A/U	75
RG-59B/U	75
F-11/U	75
F-59/U	73

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

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

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

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

them in a table that appears on this page.

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

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

(Continued on page 98)

LITERATURE LIBRARY

301. Get acquainted with the new *EICO* products, designed for the professional technician and electronics hobbyist. Included in brochure are 7 IC project kits, *EICO's* "Fonealds," security products and many varied kits.
302. *International crystal* has illustrated folders containing product information on radio communications kits for experimenters (PC boards; crystals; transistor RF mixers & amplifiers; etc.).
303. See brochures on *Regency's* 1977 line-up of CB transceivers & scanner receivers (for police, fire, weather, & other public service emergency broadcasts).
304. *Dynascan's* new *B & K* catalog features test equipment for industrial labs, schools, and TV servicing.
305. Before you build from scratch, check the *Fair Radio Sales* latest catalog for surplus gear.
306. Get *Antenna Specialists'* catalog of latest mobile antennas, test equipment, wattmeters, accessories.
307. Want a deluxe CB base station? Then get the specs on *Tram's* super CB rigs.
308. Compact is the word for *Xcelite's* 9 different sets of midget screwdrivers and nutdrivers with "piggyback" handle to increase length and torque. A handy show case serves as a bench stand also.
310. *Turner* has two booklets on their Signal Kicker antennas. They give specifications and prices on their variety of CB base and mobile line. Construction details help in your choice.
311. *Midland Communications'* line of base, mobile and hand-held CB equipment, marine transceivers, scanning monitors, plus a sampling of accessories are covered in a colorful 18-page brochure.
312. The *EDI (Electronic Distributors, Inc.)* catalog is updated 5 times a year. It has an index of manufacturers literally from A to X (ADC to Xcelite). Whether you want to spend 29 cents for a pilot-light socket or \$699.95 for a stereo AM/FM receiver, you'll find it here.
313. Get all the facts on *Progressive Edu-Kits* Home Radio Course. Build 20 radios and electronic circuits; parts, tools, and instructions included.
315. *Trigger Electronics* has a complete catalog of equipment for those in electronics. Included are kits, parts, ham gear, CB, hi fi and recording equipment.
316. Get the *Hustler* brochure illustrating their complete line of CB and monitor radio antennas.
317. *Teaberry's* new brochure presents their com-
321. *Cornell Electronics'* "Imperial Thrift Tag Sale" Catalog features TV and radio tubes. You can also find almost anything in electronics.
322. *Radio Shack's* 1977 catalog colorfully illustrates their complete range of kit and wired products for electronics enthusiasts—CB, ham, SWL, hi-fi, experimenter kits, batteries, tools, tubes, wire, cable, etc.
323. Get *Lafayette Radio's* "new look" 1977 catalog with 260 pages of complete electronics equipment. It has larger pictures and easy-to-read type. Over 18,000 items cover hi-fi, CB, ham rigs, accessories, test equipment and tools.
327. There are *Avanti* antennas (mobile & base) for CB transceivers and scanner receivers, fully described and illustrated in a new full-color catalog.
328. A new free catalog is available from *McGee Radio*. It contains electronic product bargains.
329. Semiconductor Supermart is a new 1977 catalog listing project builders' parts, popular CB gear, and test equipment. It features semiconductors—all from *Circuit Specialists*.
330. There are over 400 electronic kits described in *Heath's* new catalog. Virtually every do-it-yourself interest is included—TV, radios, stereo & 4-channel, hi-fi, etc.
331. *E. F. Johnson* offers their CB 2-way radio catalog to help you when you make the American vacation scene. A selection guide to the features of the various messenger models will aid you as you go through the book.
332. If you want courses in assembling your own TV kits, *National Schools* has 10 from which to choose. There is a plan for GIs.
334. *Sprague Products* has L.E.D. readouts for those who want to build electronic clocks, calculators, etc. Parts lists and helpful schematics are included.
335. The latest edition of *Tab Books'* catalog has an extensive listing of TV, radio and general servicing manuals.
337. *Pace* communications equipment covers 2-way radios for business, industrial and CB operations. Marine radiotelephones and scanning receivers are also in this 18-p. book.
338. "Break Break," a booklet which came into existence at the request of hundreds of CBers, contains real life stories of incidents taking place on America's highways and byways. Compiled by the *Shakespeare Company*, it is available on a first come, first serve basis.
342. *Royce Electronics'* new full-color catalog updates information on their CB transceivers (base, mobile, handheld). It also describes new product lines—CB antennas and a VHF marine radiotelephone.
344. For a packetful of material, send for *SBE's* material on UHF and VHF scanners, CB mobile transceivers, walkie-talkies, slow-scan TV systems, marine-radios, two-way radios, and accessories.
345. For CBers from *Hy-Gain Electronics Corp.* there is a 50-page, 4-color catalog (base, mobile and marine transceivers, antennas, and accessories). Colorful literature illustrating two models of monitor-scanners is also available.
350. Send for the free *NRI/McGraw Hill* 100-page color catalog detailing over 15 electronics courses. Courses cover TV-audio servicing, industrial and digital computer electronics, CB communications servicing, among others. G.I. Bill approved, courses are sold by mail.
352. Send for the free descriptive bulletin from *Finney Co.* It tells all about their new auto FM radio signal booster (eliminates signal fading).
353. *MFJ* offers a free catalog of amateur radio equipment—CW and SSB audio filters, electronic components, etc. Other lit. is free.
354. A government FCC License can help you qualify for a career in electronics. Send for information from *Cleveland Institute of Electronics*.
355. New for CBers from *Anixter-Mark* is a colorful 4-page brochure detailing their line of base station and mobile antennas, including 6 models of the famous Mark Heliwhip.
356. Send for *Continental Specialties* new breadboarding prototest devices. They vary in price from a mini-budget kit at \$19.95. Featured is the new logic monitor, giving information on what it does, how it works, and how to use it.
357. *Dage Scientific Instruments* offers a 16-page booklet on how to build an electronic thermometer with control. Included is an introductory course on thermocouples, schematics and many applications.

Go CB Today!

(Continued from page 38)

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

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

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

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

FIRST SW ANTENNAS

(Continued from page 96)

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

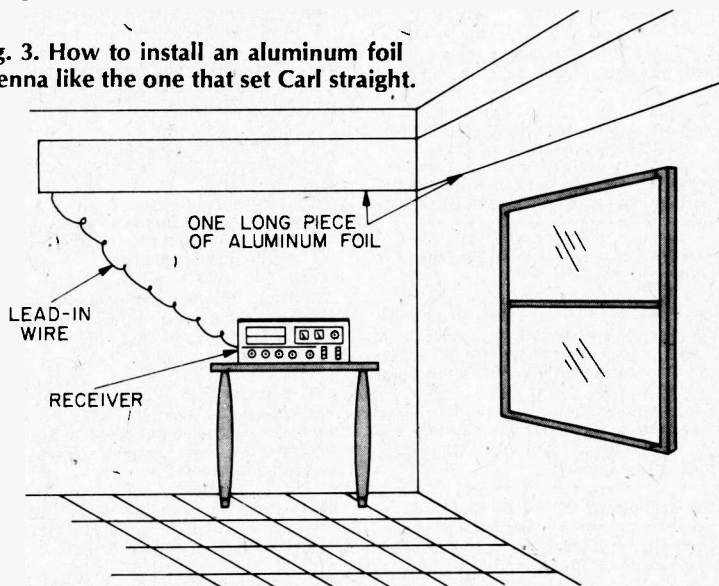
A dipole has some bonuses. For example, a dipole works equally as well on frequencies three times the designed frequencies. Thus, a 41-meter band dipole which will pull in 7100-7300 kHz signals will also receive 21300-21900 kHz which covers the 13-meter band. Or, if there is sufficient space to string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

taboo.

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

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

Fig. 3. How to install an aluminum foil antenna like the one that set Carl straight.



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

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

was soon to get pushbutton phones.

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

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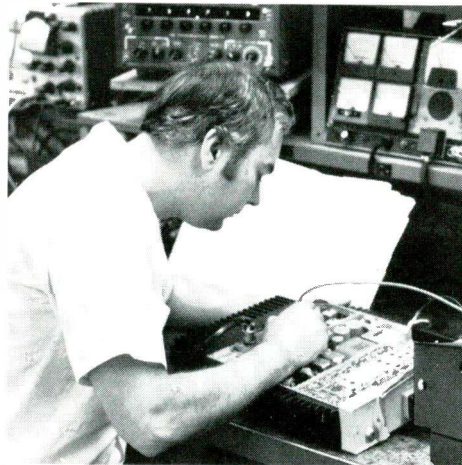
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