

NEW MFJ 4 & 8-Band Mobile Shortwave Converters



MFJ-304 \$5995

Another MFJ "first," these low cost mobile SWL converters provide new excitement and variety for your driving/listening pleasure.

Two models to choose from. The 4-band "World Explorer I" (MFJ-304) offers complete 19, 25, 31 and 49 meter coverage (the most popular HF bands due to their distance capabilities at various times of the day and year). Hear countries from Europe, Africa, Middle East, Asia, the Islands, North and South America. The 8-band "World Explorer II" (MFJ-308 adds 13, 16, 41, and 60 meter bands for even greater listening variety.

Compact and sensitive. The 4-band model

NEW MFJ DXer's Filter

MFJ-732 \$6995

Here's how to add more performance to

MFJ-732 Puts more presence in SSB/

AM/FM voice communications, brings

10-pole (5-stage) circuit with Chebyshev

superfast roll-off (up to 58 dB/octave). First

button: On/Off-Bypass, response 300-3000

Hz; second: 500 Hz lower cutoff; third: 2200

Hz upper cutoff; fourth: 1500 Hz upper cutoff Built-in speaker. 2 watt amplifier.

LED, 9-18 VDC or 110VAC with optional

AC adapter (\$7.95 + \$2), 5x6x1%

Easy to use, just push up to 4 buttons.

your present SWL receiver -

more signals out of the "mud

MFJ II ORLD EXPLORER II WOOD OF THE STATE O

MFJ-308 \$795 (+\$4)

measures just 5¼W x 1¼H x 4″D to fit anywhere in your vehicle (the 8-band version is just 1″ wider and 1″ deeper). Two dual-gate MOSFETS give these converters excellent sensitivity and selectivity when combined with your automotive receiver.

Easy to use, easy to install. Push a converter button to choose the band, tune in stations with your regular car radio. To install, just plug the car antenna into the converter and insert the converter cable into your car radio antenna jack: connect the power lead to 12 VDC.

Listen to the world on the road. Get the new MFJ mobile SWL converters — "World Explorers I & IL"

NEW MFJ Preselectors



MFJ-1040 \$995

MFJ-1040 makes "lost" signals readable, rejects out-of-hand signals to make noisy locations tolerable, and it reduces images.

Covers 1.8-54 MHz

Multiplies signal strength by ten times! 20 dB low noise MOSFET amplifier.

Built-in 20 dB attenuator prevents receiver overload from strong nearby stations.

Works with 2 antennas and 2 receivers at the same time! Complete controls, LED indicator; Auto-Bypass For Xevrs, PTT; requires 9-18 VDC or 110 VAC with optional AC adapter (\$7.95+\$2). 8x2x6"

Model MFJ-1045, \$69.95 +\$4, 5x2x6" similar less attn., auto, bypass, I ant., I revr.

MFJ Active Antenna

MFJ-1020 \$7995 (+\$4)



Famou

"World Grabber." Put this handsome unit on your operating desk and listen to the world! Its performance rivals, even exceeds, reception from outside long wire antennas. Unique tuned circuitry minimizes intermodulation distortion, provides additional RF selectivity, and reduces noise outside the tuned band.

Amplification also permits using the MFJ-1020 as a preselector with an external antenna, if you wish, for added versatility. Covers 300 kHz to 30 MHz in 5 bands. Switch select .3-.7, .7-1.6, 1.6-4, 4-11, 11-30 MHz.

Adjustable telescoping antenna. Swivels for maximum signal, minimum noise.

Full controls for tuning, band selection, gain, and function (On-Off/Bypass). LED indicator. FET, bipolar circuitry. Phono jack provided for use with external antenna.

Universal power. Operates on 9V battery (not inc.), any 9-18 VDC supply, or 110 VAC with optional AC adapter (\$7.95 + \$2). Convenient size. The handsome beige and walnut grain plastic and metal cabinet easily fits on your desk for it measures just 5x2x6". Where ever you live, city, country, apartment or home, the MFJ-1020 will grab the SWL world for you.

TO ORDER PRODUCTS, CALL TOLL FREE

MFJ Tuner/Preamps Make Any Antenna Better



MFJ-959 \$8995 (+\$4)

MFJ-959 matches antenna to receiver for maximum signal strength. Covers 1.6 to 30 MHz. Low noise 20 dB preamp. Can use 2 ants. and 2 revrs. 20 dB attenuator. 9-18 VDC or 110 VAC with optional AC adapter (\$7.95+\$2). 9x2x6" MFJ-950, \$59.95 +\$4 similar, less preamp, attenuator, bypass.

More MFJ Listening Post Favorites



MFJ-102 \$3295



MFJ-752B \$8995 (+\$4)



NEW 12/24 Hour Digital Clock/ID Timer Switch from 12 hr. to GMT, to "seconds" readout, ID timer or elapsed timer. WWV sync, solid-state, blue 0.6" digits, reg. alarm + indicators. 110 VAC, 60 Hz, 6x2x3".

MFJ-752B Dual Tunable SSB/CW Filter. Primary filter lets you peak, notch, low pass or high pass with extra steep skirts. Aux. filter has 70 dB notch, 40 Hz peak. Both tune

300-3000 Hz, variable bandwidth. Noise limiter. Inputs for 2 rcvrs. 2 watts for speaker. 9-18 VDC, 300 mA or 110 VAC with optional adapter (\$7.95 + \$2); 10x2x6". MFJ-751, \$69.95 +\$4 similar less Aux. filter, hi-pass & limiter. 5x2x6".

MFJ-200BX Frequency Standard. 100, 50, or 25 kHz, pulsed for easy ID; 9V bat; 2x3x4".

master charge 800-647-1800 WISA'

For tech. info., order or repair status, or calls outside continental U.S. and inside Miss.,

outside continental U.S. and inside Miss., call 601-323-5869.

- All MFJ products unconditionally guaranteed for one year (except as noted)
- Products ordered from MFJ are returnable within 30 days for full refund (less shipping)
- Add shipping & handling charges in amounts shown in parentheses

Write for FREE catalog, over 60 products



Box 494; Mississippi State, MS 39762

COMMUNICATIONS WORLD INCLUDING THE COMPLETE WHITE'S RADIO LOG

CONTENTS 1981 EDITION Radio Nostalgia • News Around the World • What is Shortwave? • SW Frequency Spectrum • Location of the SWBC Bands • WARC-'79 Proposals • When to Tune • What to Look for in a SW Receiver • Guide to 25 International SW Stations • A Look at DXing • Keeping Track-Finding DX Stations • Foreign Languages • How to Get QSL's • 24-Hour Clock System—How to Tell Time Around the World ● SINPO -What It Is and How to Handle Reports • Broadcast Band DXing ● Potpouri—Questions and Answers ● Informative DX Programs • Radio Clubs You Can Join plus Foreign DX Club Listing • SPY Transmissions-Where Those Numbered Stations Are ... Starts on Page 13 WHITE'S RADIO LOG

U.S. AM Stations by Frequency 56 U.S. AM Stations by Call Letters 66 U.S. AM Stations by Location 78 U.S. FM Stations by Call Letters 88 U.S. FM Stations by Location 97 U.S. TV Stations by Location 107 Canadian AM Stations by Frequency 110 Canadian AM Stations by Call Letters 111 Canadian AM Stations by Location 112 Canadian FM Stations by Call Letters Canadian FM Stations by Location 113 Canadian TV Stations by Location 114 Worldwide Shortwave Stations 115

FEATURES	
CW Profiles MFJ Shortwave Converter	10
Directional Antennas for Shortwave Listening	49
Vooring a Charley a N.	52
Vanuaged D1000 O	54
CW Profiles Avanti AV801 Scanner Antenna	55

DEPARTMENTS	
New Products	2
Classified	
Ask Hank	12
Literature Library	118

HANDY CHARTS FOR SW DXERS

Informative DV Broaden	
Informative DX Programs Abbreviations Used by	23
Abbreviations used by	
DXers	27
Where to DX for What	
When to Tune for Foreign	
BCB DX	30
World Time by Countries	31
Languages of the World	33
Foreign DX Clubs	34
Radio Clubs You Can Join	39
The SINPO Code	
Local Time vs Greenwich	
Time	4.4
Time	
Aeronautical DX	42
Phonetic Alphabet	42
Aeronautical Frequencies for Major World Air	
Route Areas	40
Cuban Medium Wave	43
Saban Medium Wave	
Outlets	
Fixed Circuit Frequencies	
"Spy" Transmissions	45
Latin American Television	
Frequency vs Wavelength	
Japanese BCB Outlets	
Interpol Frequencies	
VLF DXing	47
Police VHF and UHF	4 ~
Frequencies TV Channels and	47
Frequencies	47
VHF and UHF Frequencies	4/
Used by Firefighters	40

Cover Photo by Ray Solowinski



THE STAFF

Associate Publisher
Julian S. Martin, KA2GUN

Editor

David M. Kipnes

Compiler—White's Radio Log Gladys Baez

Communications Editor
Don Jensen, WDX9EZ

Associate Editors
Paul Margolis
Erik L. Keller

Workbench Editor Hank Scott

Art Director Ralph Rubino

Associate Art Director

David Pindar

Cover Art Director Irving Bernstein

Art Editor
Ron Kuliner

Art Assistant
Theresa Fiorenza

Production Director

Production Manager Carole Dixon

Production Assistant
Annette Simon

Newsstand Circulation Director

Classified Advertising Director
Rose Wayner

Subscription Circulation Director Robert V. Enlow

Subscription Circulation Manager Eugene S. Slawson

> Marketing Director James C. Weakley

President and Publisher Joel Davis

Vice President and General Manager Leonard F. Pinto

Vice President and Treasurer Victor C. Stabile, KBP0681

Vice President; Marketing—Editorial
Carole Dolph Gross

ISSN: 0095-4063



COMMUNICATIONS WORLD is published annually by Davis Publications, Inc. Editorial and business offices: 380 Lexington Avenue, New York, N.Y. 10017. Advertising offices: East Coast, 380 Lexington Ave., New York, N.Y. 10017. 212-557-9109; Midwest, 360 N. Michigan Ave., Chicago, IL 60601, 312-346-0712; West Coast, J. E. Publishers' Rep. Co., 8732 Sunset Blvd., Los Angeles, CA 90069, 213-659-3810.

EDITORIAL CONTRIBUTIONS must be accompanied by return postage and will be handled with reasonable care; however, publisher assumes no responsibility for return or safety of manuscripts, artwork, or photographs. All contributions should be addressed to the Editor, COMMUNICATIONS WORLD, 380 Lexington Avenue, New York, N.Y. 10017. Copyright 1980 by Davis Publications, Inc.

New Products

Home Energy Control

Regency has introduced the Regulator, a new home energy management system capable of controlling up to 100 separate lights, small and large appliances plus the exclusive feature of controlling heating and air conditioning units. All from a single location. The Regulator control unit features a touch-sensitive keyboard and full function digital display that shows programming, instruction prompting and time displays. Plugged into normal house wiring, it can shut off or turn on anything electrical in a home, apartment, condominium or office.



The Regulator also converts virtually all conventional appliances into automatic units, turning them on or off at selected times. Two Regulator models will be available -the 5700 which will execute 57 automatic, timed commands and the 1600 which is capable of 16 commands. Regulator Wall Modules will be compatible with both units. The Regulator central units are compatible with BSR modules. But the Regulator Heating and Cooling control modules cannot be operated by the BSR control or timer console The Regulator 1600 is \$140, while the full function 5700 is \$249. More information is available from Regency Electronics, Inc., 7707 Records Street, Indianapolis, IN 46226.

Junior's LCD Calculator

Abacus, an APF calculator product, features a 3 dimensional keyboard in the actual shape of each separate number to help emphasize numeral recognition, while 7 yellow keys perform various functions and 4 green keys are for memory. This calculator measures 4%-in. x ½-in. x 2¼-in. with a

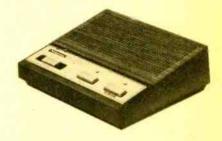
lighted on/off switch and 1,000 hour battery life. Suggested retail



for Abacus is \$19.95. For more information, write to APF Electronics, Inc., 444 Madison Avenue, New York, NY 10022.

Speakerphone

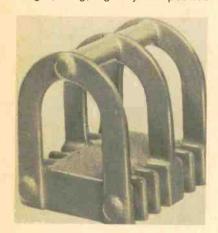
Panasonic has added to its telephone equipment line by introducing a speakerphone with a condenser microphone that picks up sound from all directions. Model KX-T1020 is part of Panasonic's "Easa-Phone" line of telephone equipment. The speakerphone features an automatic switching circuit that provides clean transmission of incoming/outgoing voices.



It hooks up to a telephone connection which may require an optional AC adaptor (KX-A01), depending on the area. Other features include large pushbutton controls. The mute button lets you cut-off outgoing transmissions while still receiving the incoming. It also offers an LED indicator for On and Mute, adjustable slide-volume control and simulated wood cabinet. Priced to sell at \$59.95 to \$69.95. For all the facts, write to Panasonic, One Panasonic Way, Secaucus, NJ 07094.

Mighty Magnet

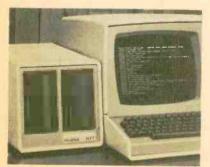
Edmund Scientific has the Mighty Magnet which lefts over 150 lbs. of dead weight. Coated for protection from chemical corrosion by a 1/8-in. coating of Poly Vinyl Chloride (PVC), the Mighty Magnet will not chip or peel. Ideal for use in magnet fishing, it is lightweight, weighing only two pounds.



The Mighty Magnet is actually six ceramic magnets stacked together for strength with steel pieces and an aluminum frame. Sells for \$19.95 plus \$1.75 shipping cost. Mighty Magnet can be obtained by mail by writing to Edmund Scientific Co., 7082 Edscorp Bldg., Barrington, NJ 08007.

Floppy Disk

Heath's new floppy disk accessory for its popular Heathkit H89 All-In-One Computer, the H-77 Floppy Disk System, provides all the storage and programming capacity needed for most computer applications. When the H-77 Flop-



CIRCLE 1 ON READER SERVICE COUPON

py Disk System is used with the H-89, room is provided for up to three floppy disk drives. Operating system and program disks can be run at the same time, for fast and efficient access to programs and data. The H-77 uses standard

5.25-in., hard sectored 40-track diskettes. Each diskette is capable of storing 100K bytes of data. The SIEMENS 82 disk drive system is used in the H-77, providing reliable high-speed access to data The H-77 Floppy Disk System, mail order priced at \$595.00 in easy-toassemble kit form, includes one disk drive. A handy diskette storage accessory, which fits into the space reserved for the second drive, is also included. The H-17-1 Disk Drive, mail order priced at \$325.00 is available to provide two-drive capability for the H-77. giving the H89 a total of three drives including the drive built into the computer itself. For more information on the new H-77 Floppy Disk System-as well as the full line of Heathkit personal and business computers-send for a free catalog to Heath Company, Dept. 350-280, Benton Harbor, MI 49022 or pick up a copy at the nearest Heathkit Electronic Center.

Getting Better

You've heard of Ohio Scientific's C1P computer. Now an enhanced version, the new Series 2 C1P, offers new sound, music and

voice output capability via a digital to analog converter. Its wide range of screen formats and powerful resident BASIC has uses for educational applications. With its



modem interface, it can be used as an economical remote terminal in conjunction with timeshare services and/or for use with the new personal computer information services. It is also useful as an advanced scientific calculator with its advanced floating point math capability and "immediate mode" operation. The standard machine's 8K workspace provides sufficient memory for many cassette-based programs. The mini-floppy version, C1P MF Series 2, comes complete with two disk operating system which allows the use of OS-65D, a powerful business and develop-

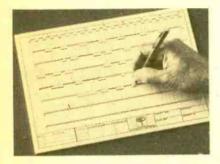


New Products

ment oriented system. The C1P Series 2 computer has a suggested retail price of \$479, or \$599 with combination TV/monitor. The C1P MF Series 2 computer carries a suggested retail price of \$1,279 or \$1,399 with combination TV/monitor. Ohio Scientific products are sold nationwide through their dealer network. More information can be obtained by calling their toll free number: 800-321-6850 or writing to Ohio Scientific, 1333 Chillicothe Rd., Aurora, OH 44202.

Logic Timing Recorder

A P Products' new Logic Timing Recorder is an innovative, timesaving device for charting logic timing. The Logic Timing Recorder eliminates the time consuming hassle of writing, erasing and rewriting logic timing charts. It is a durable plastic board measuring 11%-in. x 8¼-in. x ¼-in., with 320 slides arranged in eight horizontal



CIRCLE 33 ON READER SERVICE COUPON

rows. Moving vertically between two click-stop positions, the slides represent the two logic levels of a circuit. After the slides are manually moved into position to represent the logic state in a circuit, the board is checked for proper design and then placed on an ordinary copying machine to make a record for the permanent files. Once the copy is made, the Logic Timing Recorder may be used over and over again to chart the logic timing of all circuits. A P Products Incorporated has been a leading manufacturer of electronic devices since 1967. Their comprehensive product line is sold worldwide exclusively through distributors. A P Products Inc. Logic Timing Recorder, P/N 923758, carries a suggested sale price of \$44.95. For more information, write to A P Products, Inc., 1359 West Jackson St., Painesville, OH 44077.

Record Care

A three-piece Record and Stylus Care Kit from Cecil Watts record care line, is now being offered by Empire Scientific Corporation. Designed to introduce the record collector to this basic system for record care, the kit includes the best-selling Parostatik Disc Preener, Parostatik Anti-Static Fluid and Watts Stylus Cleaner. Experts recommend a humid system for rec-



ord cleaning because the free use of liquid cleaners can interfere with tracking. The Watts record cleaning devices are used in a semi-dry or slightly moist state and do not leave a film or residue on the record. The new three-piece Cecil Watts "Record and Stylus Care Kit" is an ideal record care starter kit. It is popularly priced at about \$13.95 in audio shops nationwide. For more information, write to Empire Scientific Corp., 1055 Stewart Avenue, Garden City, NY 11530.

Bass Bomb

Numark has a unique bass activator and subsonic filter called the Model DF120 Bass Bomb. Designed to maximize the performance level of a consumer's existing audio system, the Bass Bomb provides variable bass frequency selection of 40 Hz to 160 Hz with 0-12 dB bass boost level control while incorporating a highly effective filter to eliminate subsonic noise. Attached to the pre-amp and amplifier (or amp/receiver), the Bass Bomb simultaneously doubles the bass output of a system

while increasing the power handling of the speakers. The subsonic filter automatically protects speakers and amplifiers from un-



desirable voltage spikes. In addition, the filter minimizes damaging subsonic noise from the turntable, tone-arm, acoustic feedback, and warped records. Sells for \$99.95. For more information, write to Numark Electronics Corp., 503 Raritan Center, Edison, NJ 08817.

Miniature Bench Grinder

Foredom Electric's miniature bench grinder is a small, precision machine designed to spot grind, polish, deburr, and buff hand-held parts. With its small grinding wheels and polishing discs, this grinder is particularly effective for finishing parts with intricate con-



tours and concave surfaces. An ideal device for the project builder and antique radio restorer. Only 4½-in, high and 8-in, long, the grinder comes with a 21/2-in. diameter cotton wheel and a 13/4aluminum-oxide diameter stone. Its 1/15 hp motor operates on 110 to 130 VAC. Speeds up to 14,000 rpm are selectable by a manual control mounted on the motor base. A collet chuck is available to hold miniature abrasive points, cutting wheels, wire brushes, etc. Sells for \$69.50. For more information about Foredom miniature bench grinders, request catalog 280. Foredom Electric Company, Bethel, CT 06801, a division of Blackstone Industries.

TRS-80 Interface Checkout

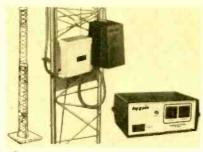
E & L Instruments new IF-100 TRS-80 interface accessory provides buffered I/O connections for control, monitoring and testing of external devices and developing and testing of I/O devices. The self-powered IF-100 plugs directly into the TRS-80 Bus, (cable extra), enabling any TRS-80 incorporating Level 2 software to be used for



practical applications. The IF-100 contains a built-in power supply to avoid loading down the TRS-80 supplies, on-board logic probe, device and memory decoding, Bus buffer, control signal buffering and solderless breadboarding facilities for quick interface and control circuitry assembly. An experimentally oriented text is included to provide self instruction or for classroom use. The IF-1-0 is priced at \$180.00 in kit form or \$245.00 fully assembled and tested. The TRS-80 interconnect cable is priced at \$25.00. For more information, write to E & L Instruments, Inc., 61 First Street, Derby. CT 06418.

Tower of Strength

The HG-70HD, a 70 foot (21.3 m) self-supporting crank-up tower, is the tallest of seven towers now offered by Telex/Hy-Gain. The tower is all steel, and comes in four sections. The heavy-duty tower was designed for antenna loads of up to 16 sq. feet (1.5 sq. m) in winds of up to 60 mph (96.6 kmph). The top section is predrilled for thrust bearing bolts, and a rotor mounting plate is inmluded. The HG-70HD sells for \$2,850. Hy-Gain has also developed an electric winch system, Model No. HG-EW, that fits the new HG-70HD. The winch control box can be locked, which secures the tower in either the extended or retracted position. A manual crank takes over in the event of an electrical power failure. The HG-EW is equipped with an automatic brake which is always in positive engagement when the winch is not operating. Priced



CIRCLE 38 ON READER SERVICE COUPON

at \$650. This winch system can be converted to remote control operation by adding the new Hy-Gain tower control (HG-EWRC) which has been specifically designed as a modular addition to the HG-EW winch. This remote control unit allows the operator to conveniently raise and lower the tower from a remote location such as a ham shack. Both the winch and the remote control are available for 110 and 220 volt operation. Sells for \$650. For further information regarding these products, write to Hy-Gain, Division of Telex Communications, Inc., 8601 Northeast Highway Six, Lincoln, NE 68505.

Low-Priced Satellite TV Receiver

The TV-4300 Satellite Receiver is now available from International Crystal Manufacturing Company. This new receiver, which sells for only \$995.00, offers high performance on all channels within the 3.7 to 4.2 GHz band. Standard dual audio output is provided at 6.2 and 6.8 GHz, with other outputs available. The TV-4300 is a fully packaged and assembled re-



CIRCLE 42 ON READER SERVICE COUPON

ceiver complete with built-in LNA power supply, built-in AFC, tuner. control circuitry and power cable. All output levels are compatible with video monitor and VTR input. There are several options includ-



SAX-1 Transistor RF Amp 3 to 20 MHz, Cat. No. 035102 20 to 170 MHz, Cat. No. 035103 \$6.38 ea

BAX-1 Broadband Amp 20 Hz to 150 MHz. Cat No 035107 \$6.67 ea.

.02% Calibration Tolerance

EXPERIMENTER \$574 CRYSTALS (HC 6/U Holder)

Cat. No. Specifications 031300 3 to 20 MHz — For use in OF-1L OSC Specify when ordering

20 to 60 MHz — For use in OF-1H OSC Specify when ordering Enclose payment with order (no C.O.D.) Shipping and postage (inside U.S. Candad and Mexico only) will be prepaid by International

Prices quoted for U.S. Canada and Mexico orders only. Orders for shipment to other countries will be quoted on request. Price subject to change.

WRITE FOR BROCHURE

International Crystal Mfg. Co., Inc. 10 North Lee, Oklahoma City, Oklahoma 73102

CIRCLE 16 ON READER SERVICE COUPON

111(((PHASERS))))))

PPF-1 PHASER PAIN FIELD — This device recently developed and patented in our labs is being evaluated by law enforcement agencies for riot and crowd control. It is now available but soon will come under the jurisdiction of weapons and internal machine control making it unavailable to the public. The device is hand-held and tooks like a BUCK ROGERS ray gun. It is hazar-disable throat with discretion. s if not used with discretion.

IPG-1 INVISIBLE PAIN FIELD GENERATOR — This amazing, simple hand-held device is about the size of a pack of cigarettes and generates a directional field of moderate to inten-

sive pain in the lower part of the head up to a range of 50. Device is simple and economical to make. IPG-1 PLANS \$6.00 IPG-1K ALL PARTS \$39.50 IPG-10 ASSEMBLED&TESTED FOR ANIMAL CONTROL \$49.50

- LASERS -

RUBY LASER RAY PISTOL — Produces highly intense red beam capable of burning A hazardous device PLANS PARTS. SOURCES \$15.00

HIGH POWERED CARBON DIOXIDE BURNING AND CUTTING Complete plans and all parts sources \$15.00
SOLID STATE IR 12 WATTS with built in power supply plans \$8.00 Complete kit with collimator \$74.00

POCKET LASER pulsed, visible red plans \$7.00 Complete kit \$59.50 Also complete plans and part sources for RUBY, YAG, NEOOYNIUM, HeNe ARGON, OYE NITROGEN and many more lasers \$7.00

SECURITY -

SNP-2. SNOOPER PHONE — Dial home or office phone while on vacation activating sensitive mike without phone ringing Excellent property protection and intrusion device SNP2 PLANS 17.00
SNP2K ALL PARTS \$49.50 SNP20 ASSEMBLED AND TESTED \$89.50 LONG RANGE XMTR PLANS \$6.00 SEE-IN-THE-DARK PLANS \$8.00 DIRECTIONAL SHOTGUN MIKE PLANS \$7.00 SUPER SENSITIVE PARABOLIC MIKE PLANS \$7.00 SOUND & TELEPHONE OPERATED TAPE RECORDER \$6.00 CATALOG ON PLANS, KITS & FINISHED UNITS \$1.00

SCIENTIFIC SYSTEMS, Dept. A10. Box 716

THE BOOTLEGGERS BIBLE, proven by your letters to be the finest publication available for Modifying the CB Radio, above Ch. 40 0r below Ch. 1, 77 PLL Chips listed, for Crystal, AM & SSB, 23 & 40 Ch. sets. \$12.95

THE LINEAR AMPLIFIER PLANBOOK II Containing plan for linears from 2 to 400 MHz, from 15 to 1000 watts, all transistor designs, 11 Meter Models? Yes

CB RADIO REPAIR Circuit discriptions, trouble shooting chart, component testing, the latest techniques used by the Pros: \$8.95

Soctlogger kits, special XSTLS, scanner XSTLS available full line catalog \$1.00 refundable.

AP SYSTEMS, P.O. BOX 263D

NEWPORT RI. 02840

(401) 846-5627

Master Charge & Visa Accepted

CIRCLE 5 ON READER SERVICE COUPON

WRITE NOW FOR

McGEE'S

SPEAKER CATALOG
EVERYTHING IN ELECTRONICS

1001 BARGAINS IN SPEAKERS

TV AND RADIO PARTS

TUBES, HIGH FIDELITY COMPONENTS, RECORD
CHANGERS, TAPE RECORDERS, AND
ELECTRONICS KITS.

Tel.: 1 (816) 842 5092 1901 MCGEE STREET KANSAS CITY, MO. 64108

CIRCLE 15 ON READER SERVICE COUPON







New Products

ing a remote tuning control and selectable audio with stereo output. For more information write International Crystal Manufacturing Company, 10 North Lee, Oklahoma City, OK 73102.

Solid-State Kilowatt Linear

Ten-Tec offers amateur radio their Model 444 "Hercules" 1-kW linear amplifier—the first solid-state unit with instant break-in. Absolutely no tuning is required—in fact, there are no tuning knobs! The sleek front panel of the amplifier has just four switches: power, mode, meter, and band.

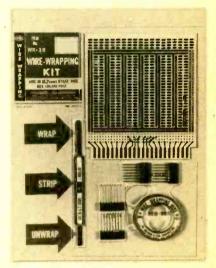


CIRCLE 40 ON READER SERVICE COUPON

And if you have a Ten-Tec Omni transceiver, the Omni will change bands of the amplifier automatically from the Omni band switch. by means of a motor driven stepping switch. Behind the 444's black-out upper panel are two large meters which light up when AC power is turned on. One meter measures collector current, the other measures collector voltage or power (forward or reverse). Also on the black upper panel are six status indicators with LEDs that light up to show a condition (overdrive, improper control switch setting, heat sink temperature, SWR, overvoltage/overcurrent and RF output balance). Any of these conditions will shut down the amplifier when set limits are exceeded. The design of the 444 Hercules uses two 500-watt pushpull transistor amplifier modules, operating at 45 VDC at 22.2 A, providing typically 600 watts RF output from the hybrid output combiner. Driving power required is 50 watts, typical. Frequency coverage is 1.8 MHz through 21.5 Mhz with provision for four auxiliary bands. Both input and output impedances are 50 ohms, unbalanced. Priced at \$1575. For further information, write or call Ten/Tec, Inc., Highway 411 East, Sevierville, TN 37862.

Ready for Your Project

A New Wire Wrapping Kit from OK Machine and Tool Corp. features selected items of value to the prototype engineer and hobbyist alike. The kit includes a unique new wire wrapping tool, a 50-ft. (15m) roll of wire wrapping wire, two 14-pin DIP Sockets and two 16-pin DIP Sockets. Specially



CIRCLE 37 ON READER SERVICE COUPON

featured is a new high quality PC Board, Model H-PCB-1, which has 22/22 edge connector contacts on standard .156 spacing. The tool, model WSU-30 is a combination tool that wraps and unwraps 30 AWG (0.25mm) wire on .025-in. (0.63mm) square pins, plus strips 30 AWG wire using handy builtin stripper. The wire is top quality Kynar insulated silver plated copper. The DIP Sockets are for plugin packaging of integrated circuits and feature gold plated 3-level wire wrapping pins .025 inches (0.63mm) square on .100 inch (2.54mm) centers. Available complete in one kit, Model WK-3B, for \$16.95 at your local electronics outlet or directly from OK Machine and Tool Corp., 3455 Conner Street, Bronx, NY 10475.

New Scorpion Antenna

Antenna Specialists' new Super Scorpion base-loaded CB mobile antenna is said to increase radiator efficiency by more than 33% over conventional antennas. The performance gain is due in part to its full 60-in. tapered whip. Made of high-resiliency stainless steel, the whip bends full circle and snaps back perfectly, creates less surface to air resistance, and resists pitting and corrosion. It is factory tuned across all 40 channels. The high impact Lexan base mounts on a trunk lip or roof using Antenna Specialists' Leverlok—an electrical/mechanical connection that instantly disconnects by twist-



ON READER SERVICE COUPON

ing a lever. The Super Scorpion's coil is precision wound of 12gauge enamel-coated copper wire for maximum efficiency. Damage hazards like branches, garage doors, etc., are greatly reduced by a stainless steel shock absorbing spring. For temporary installations, a companion to the Super Scorpion, the MR678 Scorpion antenna, is also available. This unit features a heavy duty magnet mount that holds firm at highway speeds. The suggested retail price of the Super Scorpion model is \$39.95; and the MR678 Scorpion, \$34.50. Complete details are available from A/S antenna dealers or by writing to The Antenna Specialists Co., 12435 Euclid Ave., Cleveland, OH 44106.

Jumper Wires

Here's a new kit which contains 20 AWG jumper wires that are pre-



CIRCLE 37 ON READER SERVICE COUPON

cut and turned 90 degrees at both ends to allow easy insertion in breadboarding modules. Jumpers are Kynar insulated and pre-½-in. to 4-in. Jumper wire kit part no. RW-50 is priced at \$2.95. In stock at local electronics dealers or directly from O.K. Machine and Tool Corporation, 3455 Conner Street, Bronx, New York 10475.

Computer Color Display System

Percom sells the Electric Crayon, a low-cost, computer-operated color graphics generator/controller. Designed to generate color displays on either a TV set or monitor, the Electric Crayon includes its own ROM operating system—EGOS—which accepts single-character commands directly from a parallel ASCII keyboard or program-generated commands from a computer. As shipped, the Electric Crayon interfaces with a TRS-80 computer, but it may be easily adapted to interface with any computer. The Electric Crayon has 10 display modes, including an alphanumeric-semigraphics mode, a (Continued on page 9)

Hear there and everywhere.

Easy tuning, digital display, professional quality

R-1000

The R-1000 is an amazingly easy-to-operate, high-performance, communications receiver, covering 200 kHz to 30 MHz in 30 bands. This PLL synthesized receiver features a digital frequency display and analog dial, plus a quartz digital clock and timer.

R-1000 FEATURES:

- Covers 200 kHz to 30 MHz continuously.
- 30 bands, each 1 MHz wide.
- Five-digit frequency display with 1-kHz resolution and analog dial with precise gear dial mechanism.
- Built-in 12-hour quartz digital clock with timer to turn on radio for scheduled listening or control a recorder through remote terminal.
- Step attenuator to prevent overload
- Terminal for external tape recorder
- Tone control.
- Built-in 4-inch speaker.

- Three IF filters for optimum AM, SSB, CW. 12-kHz and 6-kHz (adaptable to 6-kHz and 2.7-kHz) for AM wide and narrow, and 2.7-kHz filter for high-quality SSB (USB and LSB) and CW reception.
- Dimmer switch to control intensity of S-meter and other panel lights and digital display.
- · Effective noise blanker.
- Wire antenna terminals for 200 kHz to 2 MHz and 2 MHz to 30 MHz. Coax terminal for 2 MHz to 30 MHz.
- Voltage selector for 100, 120, 220, and 240 VAC. Also adaptable to operate on 13.8 VDC with optional DCK-1 kit.

OPTIONAL ACCESSORIES:

- SP-100 matching external speaker.
- HS-5 and HS-4 headphones.
- DCK-1 modification kit for 12-VDC operation.



TRIO-KENWOOD COMMUNICATIONS INC. 1111 WEST WALNUT / COMPTON, CA 90220

Classified

MARKET PLAC

COMMUNICATIONS WORLD-PUBLISHED ANNUALLY. The rate per word for Classified Ads is \$1.00 each insertion minimum ad \$15.00 payable in advance. Capitalized words 40¢ per word additional. To be included in next issue, write to: R.S. Wayner, DAVIS PUBLICATIONS, INC., 380 Lexington Ave., N.Y., N.Y. 10017.

ADDITIONAL INCOME

EARN while learning to create prosperity, freedom and peace. Details \$1.00. Commonsense Books, Box 287-D2, Bedford, MA 01730.

AUTHOR'S SERVICE

PUBLISH YOUR BOOK! Join our successful authors. Publicity, advertising, beautiful books. All subjects invited. Send for tact-filled booklet and free manuscript report. Carlton Press, Dept. SMN, 84 Fifth Avenue, New York 10011.

AVIATION

ANTIGRAVITY PROPULSION DEVICE! Free Bro-chuie. RDA, Box 873, Concord, NC 28025.

BLUEPRINTS, PATTERNS & PLANS

NEW CRAFT PRINT CATALOG-Choose from over 100 great easy-to-build plans. Send \$1.25 (completely refunded w.tn your first order). BOAT BUILDER, (CP Div.)-380 Lexington Ave., New York, NY 10017.

BOOKS & PERIODICALS

INFORMATIVE HANDBOOK-For people with an interest in electronics and desire to know more. Covers basic electricity, resistors, capacitors, microwaves, facts on frequency, about fuses, c.rcu. breakers, crystals and much more. Send \$1.50 for your copy (includes postage) to: Electronics Theory Handbook, 380 Lexington Ave., N.Y., NY 10017.

BUSINESS OPPORTUNITIES

STAY HOME! EARN BIG MONEY addressing envelopes. Genuine offer 10¢. Lindco, 3636-DA, Peterson, Chicago 60659.

MAILORDER opportunity! Start profitable home business without experience or capital. Write for free book and details. No obligation. Gil Turk, Dept. 483 Montvale, NJ 07645.

FREE BOOK "2042 Unique Proven Enterprises."
Fabulous "unknowns," second inflation income.
Haynngs-E12. Carlsbad, CA 92003.

\$1200.00 MONTHLY ASSEMBLING PUZZLES at home!!! Start now. No experience required. Valuable free information. Send seif-addressed stamped envelope. Careers, Box 225-WCBS, Concord, CA 94522.

\$600.00 WEEKLY MAILING CIRCULARS! New Guaranteed Plogram! Free Proof: Goodlife, Box 2096-D, Niagara Falls, NY 14301.

\$500 per 1000 envelopes stuffed according to instructions. Free details: Runnel, Box 456, Fairview, OR 97024.

\$1 per Addressed Envelope. FREE DETAIL. Bronx-ville House, Box 311-D, Bronxville, NY 10703.

MARKET SYNTHETIC LUBRICANTS. A part time business that glows. Free Info. Richards, 12921 Zachary, Dayton, MN 55327.

"HOW To Make \$1,000 Per Wock by Mail 12 Ways." Free Report! ERA 943-06, Box 24426, Jacksonville, FL 32217.

PAY OFF ALL DEBTS! Have money to enjoy life's luxuries by owning your own mall order business. Selous minded people CAN DO IT AND SUCCEED! Free Brochure! Write: Home Marketplace. 106 Rlalto, Dept. 61, Clovis, CA 93612.

BECOME MODERN MAIL MERCHANDISER, Our EXCLUSIVE DEALERSHIP PROGRAM works! Grahams Modmail, DPBX 99371, Tacoma, WA 98499.

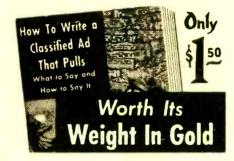
\$75.00/HUNDRED POSSIBLE STUFFING ENVEL-OPES! GUARANTEED PROGRAM. Send stamped envelope: Nationwide, Box 58806, Dallas, TX 75258.

CB RADIO

GET MORE CB CHANNELS AND RANGE! We specialize in Frequency Expanders, boosters, speech processors, interference filters, do-it-yourself books and plans. Catalog \$1. CB City, Box 31500-CW, Phoenix, AZ 85046.

EDUCATION & INSTRUCTION

UNIVERSITY DEGREES BY MAIL! Bachelors, Masters; Ph.D.s... Free revealing details. Counseling. Box 389-CW-2, Tustin, CA 92680.



MAKE YOUR CLASSIFIED AD PAY
Get "How to Write A Classified Ad That Pulls."
Includes Certificate worth \$2.00 towards a classified
ad in this publication. Send \$1.50 (plus 25¢ postage)
to R. S. Wayner. Davis Publications. Inc., Dept. CL,
380 Lexington Avenue, New York, NY 10017.

PLEASE Be sure to include your zip code when ordering merchandise from classified advertisements. You'll receive faster delivery.

ELECTRICAL EQUIPMENT & SUPPLIES

REPAIR Electric Motors! Alternators! Generators! Build Equipment! Illustrated Instructions Available! Modelectric. Box 7266, Kansas City. MO 64113.

EMPLOYMENT INFORMATION

JOURNEYMAN CREDENTIALS GRANTED! LEGITIMATE. Write: National Craftsman Union, 210 Fifth Avenue, Suite 1102, New York, NY 10010.

GIFTS THAT PLEASE

FREE gift catalog! Beautiful imported gifts from around the world. Showco, Box 11588-CW2, Spokane, WA 99211.

GOVERNMENT SURPLUS

SURPLUS JEEPS \$19.30! CARS \$13.50! \$50,000 ITEMS! GOVERNMENT SURPLUS—MOST COMPREHENSIVE DIRECTORY AVAILABLE TELLS HOW, WHERE TO BUY—YOUR AREA—\$2—MONEY-BACK GUARANTEE, "GOVERNMENT INFORMATION SERVICES." DEPARTMENT E-2, BOX 99249, SAN FRANCISCO, CA 94109.

HOME MOVIES

NOW! How to earn \$200 weekly with your Super 8 Camera. FREE Details. Tony Cole, 3549 Pike, Sacramento, CA 95834.

HYPNOTISM

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

INVENTIONS WANTED

MANUFACTURER seeking patented unpatented inventions. Generous royalties. Advantek International, 1100 17th NW, Washington, DC 20036.

LOANS BY MAIL

BORROW \$25,000 "OVERNIGHT." Any purpose. Keep indefinitely! Free Report! Success Research, Box 29070-SN, Indianapolis, IN 46229.

"BORROW by mail! Signature loans, No collateral! Free Details. Write MBG-DP281, Box 2298, Sandusky, OH 44870.

QUICK \$CASH\$ SIGNATURE LOANS! Advise amount & purpose. Details Free. ELITE, Box 454-DG, Lynbrook, NY 11563.

BORROW \$1,000-\$50,000 secretly—"overnight." Anyone! Credit unimportant. Repay anytime. Incredibly low interest. No interviews, collateral, cosgners, Unique "Financier's Plan." Full information, \$2 (refundable). Spectrum, 79 Wall St.-16, NY 10005.

GET cash grants—from Government. (Never repay.) Also, cash loans available. All ages eligible. Complete information, \$2 (refundable). Surplus Funds-DG, 1629 K St., Washington, DC 20006.

CASH Loans, Never Repay. Free Details. Dept. B. Box 135, Scottsbluff, NE 69361.

NEED MONEY? Borrow \$1,000—\$35,000! 20 Companies offering (no collateral) signature loans. Complete information, \$1.00. Money-DC, 935 Main, Vidor, TX 77662.

MAIL-ORDER OPPORTUNITIES

MAILORDER BEGINNERS! Sell information by mail! Our complete program and newsletter service can guide you quickly and easily to an independent and lucrative future. FREE BROCHURE! Cargen. 1829 Euterpe, Box 52752, New Orleans, LA 70152.

MEMORY IMPROVEMENT

INSTANT MEMORY . NEW WAY TO REMEMBER. No memorization. Release your PHOTO-GRAPHIC memory. Stop forgetting! FREE Information. Institute of Advanced Thinking. 845DP Via-Lapaz, Pacific Palisades, CA 90272.

MISCELLANEOUS

FULL COURSE VEGETARIAN MEXICAN DIN-NER. Send \$2.00 with self addressed stamped en-velope to: L. B. Sherby, 117 North First, Ann Arbor. MI 48104.

SAVE! Fabulous Gems For Jewelry, Collecting! Gemcutter to You! Details Free. Taylor's, 113-A Maitin, Indian Harbor Beach, FL 329-7.

OLDTIME Radio programs on quality tapes. Free catalogue. Carl D. Froehlich, Route One, New Freedom, PA 17349,

YOURS FREE! Publications that cost millions to produce! Hundreds titles/subjects. Build your library absolutely free. No glmmicks! No purchases! Information offer limited. Rush \$3.00 (Worth 100 times more!) Thrifty, 8125 Holiday Station, Anaheim, CA 92802.

MONEYMAKING OPPORTUNITIES

\$60.00/Hundred Stuffing Envelopes (per Instruc-tions)!! Offer-details: Worldwide-P 460, X15940, Fort Lauderdale, FL 33318.

EARN Money Collecting Names Write: Day, 104-HH Third, Salem, Missouri 65560.

COLLECT names. Guaranteed weekly income. Free supplies. CMO, Box 171-CB, Natalia, TX 78059.

\$300 WEEKLY SPARE TIME—Mailing Salesletters.
Details: Delta, Dept.-D, Box 2902-CRS, Rock Hill, SC 29730.

HUNDREDS \$\$\$\$\$ WEEKLY STUFFING ENVEL-OPES! GUARANTEED PROGRAM. Send stamped envelope: NuWay, Box 24949, Nashville, TN 37202.

BECOME a Self-Publisher and make Big Profits. Free Details. FIE-DPC281, Box 2133, Sandusky, OH

MORE



For Greater Advertising Savings... Results... and Profits...

Place your ad in one of our SPECIAL COMBINATIONS: Combo #1, or Combo #2, or Combo #3. Each combination is designed to give your ad the largest audience available. For further information write to R. S. Wayner, Classified Advertising Director, Davis Publications, Inc., 380 Lexington Ave., New York, N.Y. 10017.

Classified Continued

MONEYMAKING OPPORTUNITIES-Cont'd

REAP WINDFALL PROFITS. Hot Tips on Property Sales. Bargains Be.ow Appra.sed Value. RUSH \$15.00 for Secrets. Write Al Fraser, P.O. Box 859 (RDz7), Terrace, B.C., Canada V8G 4R1.

WORLD'S best home business, instant income. Free details, write: Suburban, 36 Concord Rd., Westford, MA 01886.

UNLIMITED earnings at Home! "Greatest Way to Success-Automatic R.chniess!" End ALL Worries! Free Brochutes. Research Systems, P.O. Box 1175-(CW), Pinellas Park, FL 33565.

"12 Ways To Make \$1,000 Per Week By Mail!"
Free Report! ERA 943-07, Box 24426, Jacksonville, FL 32217.

MOTION PICTURE PROJECTORS, FILMS, SLIDES & SUPPLIES

BREATHTAKING Glamour Slides, Classic Nudes. Catalog, six samples, \$3.00. Photographic Place, Box 806-CW, Royal Oak, MI 48068.

NEW "HOW-TO" INFO

FIGHT City Hail. Potent solo pen power strategy. \$5.00 (Refundable). Melbourne, Box 1749, Weaverville, CA 96093.

PERSONAL

HAVE CONFIDENTIAL CHICAGO MAILING AD-DRESS or branch office. Business, Personal; Since 1944! Mail Center, 323(g) Franklin, Chicago 60606.

UNIVERSITY DEGREES BY MAIL! Bachelors, Masters, Ph.D.s. . . Free revealing details. Counseling, Box 389-DP2, Tustin, CA 92680.

MEET sincere, beautiful people—like YOU. Very low fees. Call DATELINE toll-free: 800-451-3245.

BECOME A Legally Ordained Minister. Free Details. ULC-DPM281, Box 2133, Sandusky, OH 44870.

CORRESPONDENTS LIST \$5. Social Concept, 2904 Hillsboro, Huntsville, AL 35805.

\$1000 \$AVINGS PLAN. End your money worries. Send \$300 Today . . . Bonut. GARDYK, Box 281A South Milwaukee, WI 53172.

SINGLE? Lonely? Free Matrimonial Magazine, Sixteen Pages. Rush Stamp! Merit Enterprises, Box 74758-OJ, Los Angeles, CA 9004.

WORK at home making money by mail with easy money method. Self-addressed stamped envelope. JamRol Enterprises, 250 Mayo, Shreveport, LA 71106.

PHOTOGRAPHY-PHOTO FINISHING

SAVE HUNDREDS OF DOLLARS!!!!! Make your own S & M Densitometer. Send \$5.00 for detailed drawings and instructions. A must for successful photography in your darkroom. Order direct: S & M Instruments, Dept. CW2, 380 Lexington Ave., New York, NY 10017.

PROFITABLE OCCUPATIONS

DIAMOND Brokers earn big profits. Requires \$250 investment. Free details. Diamonds Unlimited, Box 4348, University Park, NM 88003.

RADIO & TELEVISION

IMPROVE TV reception. My copyrighted antenna installation manual tells how. \$3.00. Besesparis, Box 1128J. Lake Worth, FL 33460.

DISCOUNT SALE! Electronic parts, accessories, antennas, etc. Free catalog! SPECIALTY RADIO SALES, 1000 SW Dixie #4, Pompano Beach, FL 33060.

RECORDS & SOUND EQUIPMENT

FREE Promotional albums, concert tickets, stereos, etc. Information: Barry Publications, 477 82nd Street. Brooklyn. NY 11209.

RUBBER STAMPS

FREE! Hustrated Catalog. Hundreds of Stock Cuts, etc. Send 50¢ postage. Applicable first order. Kingsborough CW-2, 1571 W. 11th Street, Brooklyn, NY 11204.

SONGWRITERS

POEMS WANTED. Songs Recorded For Radio Promotions. Pageant Records, Box 7416-DA, Sarasota, FL 33578.

STAMP COLLECTING

STAMP Collecting For Fun And Profit. \$2.00. D. Babineau, Box 124, Biddeford, ME 04005.

TOYS, GAMES & ENTERTAINMENT

ELECTRONIC yo-yo lights as it spins. \$3.50. Send money order: Majan, 5075 Dawne, San Diego, CA 92117.

New Products

(Continued from page 7)

second higher density semigraphics mode and eight graphics modes. Up to eight colors may be generated, depending on the mode selected. In the highest density mode, requiring a full complement of refresh memory, the display resolution is 256 picture elements by 192 picture elements. An internal character generator generates a full 64-character ASCII subset. The Electric Crayon with the EGOS operating system, 1Kbyte of refresh memory (character store memory) and a comprehensive users manual which includes description and operating instructions, an assembly language listing of EGOS and listings of BASIC language demo programs sells for \$249.95. Orders may be placed by calling Percom's toll-free order number: 1-800-527-1592. More information can be had by writing to Percom Data Company, 211 N. Kirby, Garland, TX 75042.

Ultrasonic Cleaner

Heath Company of Benton Harbor, Michigan, the largest manufacturer of electronic kits in the world, announces the addition of an Ultrasonic Cleaner to its prod-



CIRCLE 1 ON READER SERVICE COUPON

uct line. The Heath GD-1151 Ultrasonic Cleaner deep-cleans watch parts, most jewelry, dentures and other delicate items that might otherwise be damaged by hard scrubbing, abrasives or harsh cleaning agents. It accepts any detergent or cleaning solution that is normally safe for the item to be cleaned. The GD-1151 will not interfere with radio or television reception. For more information on

the GD-1151 Ultrasonic Cleaner, mail order priced at \$89.95, write for a free catalog, with over 400 useful electronic kits, to Heath Company, Dept. 570-480, Benton Harbor, MI 49022, or pick up a copy at the nearest Heathkit Electronic Center.

Handy Multimeter

Olson's 20,000 ohms/volt Multitester Model TE-424 fits conveniently in a tool case or is handy size for bench use. Easy-view



CIRCLE 45 ON READER SERVICE COUPON

meter has color coded scales for greater accuracy with pop-out stand to keep meter upright when in use. Operating ranges are AC/DC volts from 0-10-250 and 1000; DC current 0-250 ma; Resistance 0-1,000,000 ohms. Unit includes battery and test leads. Available at \$12.98 from Olson Electronics, Akron, Ohio 44327.

QRP Rig

A new model has been added to the Ten-Tec "Argonaut" QRPp line, the Model 515. Featuring a new super-sensitive receiver frontend, the 515 has 0.35 uV sensitivity, 4-pole crystal lattice filter with 2.4 kHz bandwidth, a unique op-



CIRCLE 40 ON READER SERVICE COUPON

tional combination CW filter and variable notch filter in and outboard cabinet, and a new heterodyne VFO with a new permeability-tuned oscillator which provides increased 'calibration accuracy. Argonaut's band coverage (80-10M) has the 10-meter band split into new 500 kHz segments and crystals included for 28 and 28.5 kHz segments (others optional). Sells for \$429.95. See your Amateur Radio dealer or write TenTec, Inc., Highway 411 East, Sevierville, TN 37862.



SCIENCE & ELECTRONICS

1 year— 6 bi-monthly issues for ONLY \$4.98!!!

(The regular subscription price is \$7.50 for 6 issues. \$8.10 on the newsstand.) So save by sending the coupon—today!

SEE COVER 3 FOR DETAILS

Science &
Electronics
Bectronics H1ACE6
P.O. Box 2630, Greenwich, CT 06836
☐ YES, enter my subscription for 6 issues (one year) for only \$4.98—I save \$3.12 off the newsstand price. ☐ Payment enclosed.
☐ Bill me. (Outside U.S.A. and possessions—\$6.00)
Credit Card Users Only:
☐ Enter my subscription for 12 issues (two years) and charge my credit card for only \$9.96—I save \$6.24 off the newsstand price. (Outside U.S.A. and possessions—\$12.00) Credit Card Number
Credit Card Number
Card Expiration Date.
Signature
Name
City
Address
StateZip
Please allow 6-8 weeks for delivery of first copy.

CW PROFILES THE...

MFJ-308 Shortwave Converter

Adds shortwave listening dimension to travel in your car or van.



able to take advantage of the many news and information shows present in the short wave bands. The recent flurry of news events from the Middle East and Asia point out the weakness of relying on local news programs.

Therefore, a selective, sensitive, and high quality method of converting a standard AM or FM car receiver to a shortwave receiver is highly desirable, the inexpensive MFJ-308, World Explorer II is such a converter. It offers a wide range of short wave coverage in a smartly packaged miniaturized case fitting under most dashboards.

Mix It Up. To convert one frequency to another, a mixer stage is necessary. A mixer stage beats the incoming radio frequency signal with a known oscillator frequency to form a sum and difference frequency. Through a series of filters, the unwanted signal is discarded and the desired signal is amplified and eventually demodulated.

In practice, converters are of two forms: fixed frequency oscillators, relying on varying intermediate frequencies of the converted receiver and variable frequency oscillators with the converted receiver being tuned to one frequency. If a trade off can be made between the Q of the mixer circuit and its sensitivity, the former variety of converters are highly desirable since

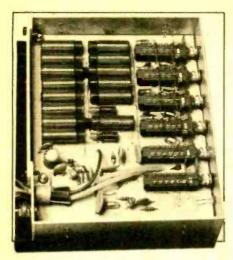
they offer stability, gain, and a minimum of components. Such a converter is the MFJ-308, World Explorer II.

The alternate approach was used by Gonset approximately 20 years ago in their all-band car radio converters. These converters required variable frequency oscillators with all their inherent problems of attaining stability and vibration-free operation. Furthermore, they were expensive, required multistages, and used many components.

MFJ Enterprises, Inc. have achieved great stability and high sensitivity in their converten by utilizing the desirable features of an RCA 40673 dual gate MOSFET transistor, both in the mixer and oscillator stages. The dual conversion superheterodyne receiver formed by this combination has a variable first IF frequency; the frequency shown on the dial of the auto receiver.

By utilizing high Q coils, good sensitivities can be obtained over a 400 kHz segment of the various short wave bands. Adequate injection is insured by the inherent nature of the dual gate MOFET. Oscillator stability and integrity are obtained by using high quality circuit board components and by rigidly mounting the high Q ferrite core inductors to the body of the circuit board.

Time To Switch. Bandswitching is done hy means of a positive action multistage pushbutton switch. Internal



Underneath the MFJ-308 a symetrical circuit arrangement allows for easy inspection. The circuit is simple and delivers.

capacitance of various cables is compensated by a unique circuit developed by MFJ engineers.

Installation of the MFJ-308, World Explorer II is a snap. The male and female Motorola jacks easily transferred the antenna from our AM car radio to the converter. The length of cables was more than adequate and we encountered no problems with either of these jacks. A short length of braided shield wire was run from the ground of the converter to the fire wall of the car to obtain a solid ground connection.

Twelve, volts positive for the converter was acquired directly from the car radio with an AMP splice connector. The installation was simple and fast (it took less than 2 minutes). The converter worked without any difficulty on the first try.

The frequencies covered by the MFJ-308, World Explorer II high frequency converter are shown in the Figs. 1 and 2. Sensitivity and selectivity of a given installation are a function of the AM receiver. With our Delco AM receiver, the converter had a sensitivity equal to that of a good all-wave receiver.

Russia Or England. Selectivity left a bit to be desired; but on most strong signals, like Radio Moscow or the BBC,

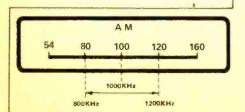


Fig. 1. To use your MFJ Converter, tune the AM band of your car radio from 800 kHz to 1200 kHz. Frequencies outside this range are not covered by the MFJ-308 or the 304.

no problems were encountered. Although this is not an ideal set up for DXing, under the right conditions many SWL stations can be received. We did encounter some ignition noise on the higher frequencies but this was not objectionable to the ear.

Standard ignition suppression techniques should be employed if ignition noise proves to be a major problem. We were able to use the front window antenna of our General Motors car with good results. However, a better alternative would be to use a whip or trunk mounted outside-the-car antenna. All in all, the performance of the MFJ-308, World Explorer II that we tested was more than satisfactory.

The MFJ-308, World Explorer II is a useful addition to any car radio. A model is also available providing less coverage but idential circuitry (MFJ-304, World Explorer I). These converters give dependable high performance operation at a reasonable price and can be easily mounted with no alteration to a car's electrical system.

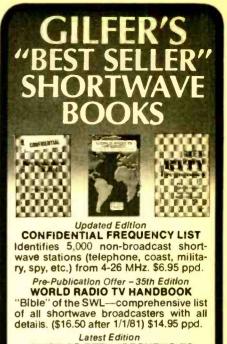
Although a loss of performance in the AM bands was noted, this attenuation was not considered to be a major factor in our Delco AM car radio. The high MOSFET mixer and oscillator stages assure great stability and sensitivity. One disadvantage, however, was the relative difficulty in determining the exact frequency of operation.

Considering the added information that is available at the touch of a finger, we at Science and Electronics consider the MFJ World Explorer short wave auto converters valuable.

The MFJ-308, World Explorer II retails for \$79.95 plus a \$4.00 shipping charge. The MFJ-304 costs \$59.95 plus a \$4.00 shipping charge. MFJ Enterprises, Inc. is situated at 921A Louisville Road, Starkville, Mississippi 39759. For more information on these converters, circle number 69 on the Reader Service Coupon.

	S. W.	FREQUEN	CY (MHz)			
	BAND	FROM AM DIAL 800 KHz				
	13M	21.400	21.800			
	16M	17.600	18.000			
Δ	19M	15.075	15.475			
Δ	25M	11.638	12.038			
Δ	31M	9.438	9.838			
	41M	7.000	7.400			
Δ	49M	* 5.875	6.275			
	60M	4.705	5.105			

Fig. 2. All the shortwave bands on this chart are covered by the MFJ-308 whereas the ones with a triangle next to them correspond to the MFJ-304. Use this chart to tune in shortwave freq. with converter.



GUIDE TO RTTY FREQUENCIES
First time ever — details on 3,500 radio teletype stations with info on how to ID special codes & languages. \$8.95 ppd.

Save \$6.45 - All 3 for \$25.95

SEND 25¢ FOR GILFER SHORTWAVE CATALOG

GILFER SHORTWAVE
Dept. CW , Box 239, Park Ridge NJ 07656

CIRCLE 8 ON READER SERVICE COUPON



this ministura, within bread-bened (0.5 thru 56 MHz) 800 thru 8 meter short-wave antenna operatise at only see fifth the size of conventional wire antenna, yet pulls in DX stations with superior readability, because its belanced design minimizes reception of interference and man-made static o portable, you can eract or store it in minutes a small enough for you to fit it in attic or apartment a good impedance-match without superaive tuners, because the special distributed helical leading provides extended to the state of the state o

Money Back Guarantee

TELETRON CORP. AVAILABLE AT ALL LEADING Suite 601 DEALERS IF NOT. ORDER DIRECT BOX 84		when returned within 2 weeks
Suite 601 Box 84 Kings Park, N.Y. 11754 Complete Kit «SWL-1 (N. Y. residents add sales tax) name.	•	
Box 84 Kings Park, N.Y. 11754 Complete Kit «SWL-1 (N. Y. residents add Sales tax)	0	TELETRON CORP. AVAILABLE AT ALL LEADING
Kings Park, N.Y. 11754 Complete Kit #SWL-1 (N. Y. residents add sales tax)	3	Suite 601 DEALERS, IF NOT, ORDER DIRECT
(N, Y, residents add sales tax)	9	9av 94
(N, Y, residents add sales tax)	3	Kings Park, N.Y. 11754
nama	9	Complete Kit #SWL-1
9	5	(N, Y, residents add sales tax)
street	>	name
	0	street

For more information contact Advertiser directly.



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

Hank Scott, Workshop Editor Communications World 380 Lexington Avenue New York, NY 10017

Got the Time?

I know the U.S. and Canada have time and frequency stations. Are there others?

—W. N., Globe, AZ

Oh yes, in fact a number use common frequencies such as 2.5, 5, 10, 15 and 20 MHz as does U.S. stations WWV (Ft. Collins, CO) and WWVH (Hawaii). Here is a list of those stations who use different frequencies.

FFH	2,500 kHz	Chavannes, France			
DAN	2,614 kHz	Osterloog, W.			
		Germany			
DAO	2,775 kHz	Kiel, W. Germany			
NPG	3,268 kHz	Dixon, CA, U.S.A.			
CHU	3,330 kHz	Ottawa, Canada			
YVTO	6,100 kHz	Caracas, Venezuela			
RID	10,004 kHz	Irkutsk, U.S.S.R.			
NSS	12,135 kHz	Annapolis, MD,			
		U.S.A.			
CHU	14,670 kHz	Ottawa, Canada			
PPR	17,194 kHz	Rio de Janeiro,			
		Brazil			

Joiner

I want to join a SWL radio club. To whom should I write?

-N. J., Ft. Morgan, CO

Send a letter to Association of North American Radio Clubs (ANARC), 557 No Madison Avenue, Pasadena, CA.

Aero Locators

I heard that there are Aeronautical beacons used by pilots to determine position.
Can you list a few for me?

-J. A., Chicago, IL

Here are a	few you	can tune in:
278 kHz	FLW	Milwaukee, WI
359 kHz	DO	Kansas City, MO
362 kHz	LIA	Lima, OH
365 kHz	FAR	Fargo, ND
379 kHz	SP	Springfield, IL
401 kHz	LA	Lafavette, IN

There is a whole bunch more on frequencies from 200 kHz up to the bottom of the broadcast band. Look for them. The identifying letters are not call signs, but the actual Morse code letters transmitted repeatedly.

Box Numbers

Why monitor the fire department channels when alarm locations are usually by fire alarm box number. Where is box 4628? Fooey on fire monitoring!

-F.B., Evanston, IL

Did you ever think of asking your fire department for a list of fire box locations by number? Sure, many will tell you to mind your own business, but the Boston Fire Department sells the list for \$5.00. And I know one buff who made his own list. He toured the main streets of his town jotting down the box number (they are on the alarm box), and eventually figured out the pattern used to cover the town. Another good way is to hang around the fire house and get to know the firemen.

Non-Drinkers

I've been listening to my scanner and hear talk like, "Highball," and a reply of "Highball." Now I know these people are not bartenders. Who are they?

-W.F., Florence, SC

You've got railroad people. See if you can identify regular scheduled trains. They usually use numbers or names, either of which can be obtained from train schedules at ticket offices. Also, very often the locomotive number is used. Keep an ear out for the tower names. They do the most talking. You didn't give the frequency in your letter, but I bet it's somewhere between 160.0-161.0 MHz.

Press News

I was in Detroit during convention time and my scanner was really cooking. I heard a lot between 125.870 and 125.950 MHz. Now that I'm home, I'd like to find and listen to the active press frequencies in the Philadelphia area. Any suggestions on frequencies?

—A.A., Philadelphia, PA

Here's a nationwide general list of frequencies for you to tune in.

uencies for you to tune	in.
25.870- 26.470 MHz	Remote Pick-up
	Broadcast
152.870-152.990 MHz	Remote Pick-up
•	Broadcast also
	Special
	Industrial
161.640-161.760 MHz	Remote Pick-up
	Broadcast
166.250 MHz	Remote Pick-up
	Broadcast
170.150 MHz	Remote Pick-up
	Broadcast
173.225-173.375 MHz	Press Relay;
	also Motion
	Picture
450.050-450.950 MHz	Remote Pick-up
	Broadcast

Also, pay special attention to 146.940, 452.975, 953.000. Let me know how you make out.

Remote Pick-up

Broadcast

452.975-453.000 MHz Press Relay

455.050-455.950 MHz

So Goes the Hobby

I've been an off-and-on BCB DXer since 1971 using different radios since then. I am now using a Soundesign AM/FM stereo which knocks out a puny 1-watt per channel. But the folks at Radio Shack recommended an 80-ft. bare copper wire for my set. Since then I have logged KFI in Los Angeles and KOA in Denver, both OSLed. I logged 1000-watters such as WSVL in Shelbyville, Indiana and WFIG in Sumter, S.C. Recent stations I've logged include Mobile, AL; Panama City, FL; Peoria, IL, and a 5000-watter out of St. Louis (showing that KMOX isn't the only station out of St. Louis to get). I am up to 165 stations in 33 states, Canada and Mexico. I'm shooting for 200 by the end of winter. Those weakling stations around 1400 and upwards are indeed frustrating. They seem to find the time to identify themselves when they go into propagation, so I'm there for an hour-and-a-half waiting for an ID. You're lucky if they identify right off the bat when you get them. WWWQ in Panama City, Florida was an example. They practically identify themselves after each song. WUNI in Mobile, Alabama, though, ranks with the other end of the scale. They identified themselves during excessive QRM and propagation, but I made them out well enough to look it up in your radio log in the back of the book. I wanted to be sure before I logged it, so I waited a full hour because they faded too much and ORM from WING in Dayton, Ohio kept setting in. But once they did repeat their ID, I could then rest easy. But that's the challenge I've come to accept from DXing and that's why I love it. —C.C., Atlanta, GA

It's good to know our readers are enjoying their hobby, and that COMMUNICATIONS WORLD is making it possible.

Potential Ham

I enjoy listening to Amateur Radio communications. Their traffic is exciting, and I'd like to listen in for the next year, since I will be unable to get out of bed. Is this against the law?

-W.N., Evansville, IN

No, it's not against the law, and, in fact, why not become a part of the hobby. Get your General ticket. If you have a scanner, I suggest you tune in 146.160 and 152.902 in your area.

Best Seller

Is there a Bible for the shortwave listener? I mean, is there one I should get after I get a copy of COMMUNICATIONS WORLD?

-J.K., Rocky Mount, VA

There's one outstanding annual I wouldn't be without (after my copy of COMMUNICATIONS WORLD) and that is the World Radio TV Handbook. After 34 refreshing editions, the Handbook is still unsurpassed. It's packed 584 pages sell for \$15.00. To get your copy, write to Gilfer Associates, Inc., P.O. Box 239, Park Ridge, NJ 07656.

COMMUNICATIONS WORLD 1981 EDITION

by Don Jensen

There was a time when nearly everyone listened to radio programs. That time, perhaps, began in the Roaring 20s, and sputtered out in the late 1950s, when television came of age.

In the earliest days, families of radio listeners could be found nightly, gathered around a breadboard crystal set, passing around the headset so everyone, in turn, could hear the program.

Later, voices and music came from a loudspeaker in the living room. People listened to the A&P Gypsies, dramas sponsored by Lux and others, melodramas by breakfast cereals, and a president's Fireside Chats. In the golden years of radio programs, there were comedic classics by Fred Allen, Jack Benny, Red Skelton; prototypical sitcoms like "Lum 'n' Abner" and "Amos 'n' Andy" which enthralled people every week.

Radio today is different. I'm not knocking the AM radio of the 80s, for after all, there's an audience of millions attesting to the fact that somebody is doing something right!

But today's radio has a rather limited scope. It is only a slight exaggeration to describe it as wall-to-wall music. Programs? The only pretense at programming is to change the name when one deejay ends his air stint and another takes his place at the mike.

What are missing are programs, shows with beginnings, middles and ends, broadcasts with separate and distinct character, to entertain, enthrall, amuse or sometimes scare the pants off you, depending on the type. It could be musical variety, comedy, mystery, quiz show or what have you. It would do its job, then give way, a half hour or hour later to another program that would take over the task of pleasing the listeners. In this sense, on our domestic AM radio, programs are dead.

Sure, there are exceptions. There have been some bold tries at fresh new radio drama, plus some nostalgic reruns of old radio shows via scratchy transcriptions, generally aired on Saturday mornings or Sunday evenings. There are still some decent to very good informational and news-oriented programs.



a video screen.

COMMUNICATIONS WORLD

Those of us over 40, old fogies that we are, may be moan the loss of radio programs. Many younger people have never known what it's like to sit before a speaker in a semi-trance, letting the images roll across the mind, rather than

Shortwave Brings Programming Back. But this intro to the 1981 Com-MUNICATIONS WORLD is not intended as a nostalgic "downer," a hopeless plea to bring back radio of the "olden days."

The focus is positive, not negative! Rather than complaining about the lack of radio programs on today's AM radio, I'm here to point out a haven where radio programming can be found aplenty. The place is shortwave radio!

Yes, you'll find all sorts of radio programs on SW. Certainly I'm not saying shortwave programming is everything everyone might want it to be. There's blatant propaganda and some program "dogs." But, frankly, there are a lot of listening "gems" as well that attract millions of program listeners around the world.

For those who are new to shortwave listening, let me make one thing clear. What you'll hear is not the 1940s transplanted into the 80s. This is contemporary radio, not something old fashioned or outdated.

Maybe it is something like what AM radio would have been today if television hadn't come along and left our medium wave domestic stations the narrow mission of presenting news-weath-

er-sports-and-above-all-music to a mobile young audience.

Variety and Quality Are Abundant. Shortwave is, in many ways, "now" radio. Not long ago, Radio Nederland's New Generation program took an interesting look at the history of punk rock, and its influence on Dutch music and musicians. Radio Sweden, for example, shows off its homebrew version of the New Wave in music, generally little known to North American fans, on some segments of its Saturday Show.

Humor? In recent years, Americans have joined domestic Canadian audiences in laughing at programs such as Dr. Bundolo's Pandemonium Medicine Show and the Royal Canadian Air Force, aired over shortwave facilities of our northern neighbor's Canadian Broadcasting Corporation.

Contemporary radio also doesn't mean that only an under-30 audience is the target.

Jazz is a music form that has no age barriers. Last summer's North Sea Jazz Festival featured stars such as Dizzy Gillespie, Maynard Ferguson, Ray Charles, the Oscar Peterson Trio and more. For three days, the festival held forth at The Hague in the Netherlands. Listeners to Radio Nederland had front row seats for many of the highlights of the event—via shortwave.

Down under, Radio Australia offers its program Jazz Australia. The British Broadcasting Corporation (BBC) has Jazz for the Asking, and there is the Voice of America's VOA Jazz.

There is a universal language that can open up the world to you even if you understand only English. It's music, of course.

And music, frankly, is one key reason why more and more persons have been turning to the programs of shortwave radio.

The variety of musical programming is almost staggering. Classical music? Certainly, aired by stations as diverse as the BBC in England and Radio Nacional de Colombia. Recently Radio New Zealand broadcast a program series called Bands on Parade, featuring the brass band sounds of that Pacific island country.

SWLs – shortwave listeners – may tend, at least at first, to stick to the programs presented in the English language, it really isn't necessary when music, not words, are most important.

Consider the tremendous range of interesting and exotic musical sounds on the air: There is the lush tropical sound of Tahiti, with wildly pounding drums; the haunting music of the Arab world; the Indonesian gamelan; the sitars and tambors of India; Peruvian huaynos from the high altiplano; West African highlife sounds—well, the list could go on and on, musical specialties from all parts of the globe.

While there isn't much dramatic fare on North American AM radio, there's plenty to be found on shortwave.

Great Britain's BBC is one of the best sources in the world for radio-plays. In a recent month, the BBC World Service presented classics like Henry James' The Bostonians and The Fall of the House of Usher by Edgar Allan Poe; adaptations from the movies, including Marnie and Tunes of Glory. The same radio service also produces radio dramas specially written for it, and another, Arden of Faversham which was first presented on stage in 1592! There are dramatized detective stories, gothic tales, adventure and humor on SW.

Travel by radio is possible with shortwave. Travelogue and tourist programs are regular fare. There are quiz and audience participation programs, play-by-play sports events and sports roundups, and much more. You can learn a number of different languages by following various radio courses of-

Here we have Larry Van Horn, Millington, TN, tuning his DX-150 receiver. While Larry listens to shortwave stations, he says his primary interest is the AM medium wave band where he has logged 530 stations in 38 states and 19 different countries. A nice record of achievement on BCB!

ALL STATES ON MEDIUM WAVE

It is possible to hear all states on the AM medium wave				kHz	Call	City	State
broadcast band but it's hard, especially after you				1000	WHWB	Rutland	Vermont
reach 40 or 45, to log the final few. Veteran BCBers dif-				1020	KDKA	Pittsburgh	Pennsylvania
			ered best bets, but	1030	WBZ	Boston	Massachusetts
here's	CW's selection	on:		1040	WHO	Des Moines	Iowa
				1070	WTSO	Madison	Wisconsin
kHz	Call	City	State	1080	WTIC	Hartford	Connecticut
550	KFYR	Bismarck	North Dakota	1090	WBAL	Baltimore	Maryland
560	WQAM	Miami	Florida	1090	KAAY	Little Rock	Arkansas
570	WNAX	Yankton	South Dakota	1110	KFAB	Omaha	Nebraska
620	KTAR	Phoenix	Arizona	1110	WBT	Charlotte	North Carolina
630	KOH	Reno	Nevada	1120	KMOX	St. Louis	Missouri
630	WPRO	Providence	Rhode Island	1140	KGEM	Boise	Idaho
650	WSM	Nashville	Tennessee	1140	WRVA	Richmond	Virginia
650	KORL	Honolulu	Hawaii	1160	KSL	Salt Lake City	Utah .
700	WLW	Cincinnati	Ohio	1170	WWVA	Wheeling	West Virginia
750	KFQD	Anchorage	Alaska	1190	KEX	Portland	Oregon
750	WSB	Atlanta	Georgia	1190	WOWO	Ft. Wayne	Indiana
760	WJR	Detroit	Michigan	1200	WOAI	San Antonio	Texas
770	WABC	New York	New York	1250	WREN	Topeka	Kansas
770	KOB	Albuquerque	New Mexico	1290	WKNE	Keene	New Hampshire
830	WCCO	Minneapolis	Minnesota	1370	KXLF	Butte	Montana
840	WHAS	Louisville	Kentucky	1390	WCSC	Charleston	South Carolina
850	WYDE	Birmingham	Alabama	1410	WDOV	Dover	Delaware
850	KOA	Denver	Colorado	1410	KWYO	Sheridan	Wyoming
870	WWL	New Orleans	Louisiana	1510	KGA	Spokane	Washington

fered by major world broadcasters.

WLS

WPAT

WCSH

890

930

970

News Around The World. News, when it happens, where it happens, often is cited as one of the major attractions of shortwave listening.

Chicago

Paterson

Portland

Illinois

Maine

New Jersey

And there are a lot of news, press reviews, commentaries and informational type programs on SW. Admittedly, some is rather blatant and one-sided propaganda. Some newscasts, however, are carefully balanced and thorough in coverage.

Too Much News? There are other criticisms of the shortwave news broadcasts too, however.

Kim Andrew Elliott, a shortwave listener and Assistant Professor of Communications Studies at the University of Massachusetts, is one who is critical of traditional shortwave news programming. He thinks the so-called informational aspects of international shortwave radio are being overdone, and often, just not done very well.

Elliott says that international broadcasters, perhaps because it is an easy sort of programming to produce, and because governmental sponsorship thinks it is important, may be overemphasizing the informational and shortchanging more interesting entertainment aspects. If this is the case, he asks, are these stations really attracting the sorts of audiences they could and should? "As blasphemous as it may seem, international broadcast listening is a form of entertainment. It is basically a past-time, a diversion . . ." says Elliott. "Consumption of news and current affairs content is part of this entertainment, but most listeners' appetites for this type of programming are finite...."

1520

1530

1550

KOMA

KFBK

WOKJ

Professor Elliott argues for more of the types of programs I've already noted, saying that listeners' letters to foreign shortwave stations ring with "legions of kudos for music, drama, comedy or quiz programs." Give us more, these letters are telling international broadcasters.

Professor Elliott asks these overseas stations to consider breaking out of the traditional programming mold anchored on the news broadcast.

SW News Can Be Interesting And Educational! Elliott makes some good points. There are dull, overlong, poorly written, badly presented newscasts and commentaries, press reviews and interviews

But there are also those of us—and I admit to the name—who are flatout news "nuts."

I find it fascinating to follow certain news stories in their various versions as broadcast by different shortwave stations from London to Peking to Johannesburg to Moscow to Tokyo to Montreal! It is interesting to note the emphasis or deemphasis on various aspects of the same story. Rather than being bored by hearing the same news from a number of different stations, I enjoy the comparisons—for news presented differently is not really the same news at all. Some are factual, seemingly unbiased; others present but one side, downplay or even ignore parts of the story. This different treatment of the same news stories by different international broadcasters, in itself, adds something to the SWL's understanding.

Oklahoma

California

Mississippi

Oklahoma City

Sacramento

Jackson

Okay, that's my opinion. And surely there will be many who disagree with it. But also, it seems, there are a goodly number of COMMUNICATIONS WORLD readers who also are hooked on the newscasts from abroad. At least that is what your mail to CW suggests.

Many have written to say that the opportunity to hear the news from overseas is one key reason why they bought a shortwave receiver in the first place. In some cases it is a desire by persons born overseas to hear the news from the "old country."

What is also true, however, is that many of these listeners soon find the many entertainment programs already mentioned.

In the end, probably, what we all seek is a suitable balance between entertainment and information in the in-



ternational shortwave programming.

BBC Radio Newsreel. Of all the various SW news services, the BBC is generally recognized as one of the very best.

And the best of the best, in my view, is the BBC's Radio Newsreel, which celebrated its 40th birthday last summer.

For four decades, since World War II, Radio Newsreel has served up thorough, well balanced world newscasts.

In its early days in the 40s, it was considered the radio equivalent of the then popular movie theater newsreel. It was based, then as now, on word picture and on-the-scene reports from BBC correspondents across the globe. Today's radio newsmen would call them "actualities."

The movie newsreel has long vanished from the scene, killed off by instantaneous television that rendered week-old films in movie theaters obsolete. But the radio version goes happily on. Five editions of Radio Newsreel are aired daily in the BBC's World Service. Incidentally, Radio Newsreel, picked up off the air and relayed across America, can be heard on many AM and FM National Public Radio (NPR) stations daily.

Voice of America. Although there were credibility problems in the past, the Voice of America today does a rather good job of presenting world news in its programming schedule on shortwave. You can also hear major world newscasts from Germany's Deutsche Welle, Radio Canada International, Radio Nederland, Radio Australia, Swiss Radio International and other international SW voices.

More recently, some stations have realized that in competition with the major news outlets of the world, the BBC and VOA, with tremendous news gathering resources, they are coming out second best. So, instead, these stations have begun to focus on their own country's news, or regional news.

Again, here's an area where the BBC also does a good job, with it's homefocused News About Britain, also heard on the SW World Service.

A pioneer in emphasizing regional news is Radio Finland, which sets its sights on reporting events in Finland and Scandinavia.

For regional news coverage from other corners of the world, you might do well to check out the broadcasts of Israel Radio and Radio Cairo and All India Radio, to name but three.

So are you really interested in Nordic news, or what is happening in the Arab world? At first you may not think so, but I think you may find that many of these stories aired in the various regional type news broadcasts are worth knowing about—and you may never hear about them on other, world newscasts aired for domestic consumption.

Yes, news and entertainment, there's a lot to listen for on shortwave radioa totally new dimension in radio listening from your everyday AM radio!

What is SW? I've been extolling the virtues of shortwave, the tremendous variety of programming you can hear. But for many of you, a big question may still remain:

What is shortwave, anyway? Many people have at least a vague notion of what shortwave radio is all about.

It's another dial on their radio, which they never bother to use. It's noise and static and hard-to-tune-in-stations. It is complicated and technical. It programs in foreign languages from far away.

While those views are partly true, they ignore more than they tell about shortwave. If you have a receiver which has shortwave coverage, you're already ahead of the game. You should spend some time tuning that "extra" dial on your radio. You'll be surprised at the results. And the basic reason Commu-NICATIONS WORLD is here, is to help you out on these probelms.

Yes, there is noise and static, perhaps more than you're used to. There's also noise and static that affect your normal AM medium wave radio signals, but normally it isn't bothersome because the strength of the stations' signals is more than enough to overpower the interference.

Well, there are, today, many extremely powerful shortwave stationssignals ten times more powerful than the most potent AM station in the U.S. and Canada. And these stations pump radio signals into North America that are strong, loud and clear, despite the great distances involved.

There also are, of course, lower powered-some very low poweredshortwave voices around the world. These stations are, in fact, difficult to hear in our part of the world.

They present an entirely different aspect to the listening hobby. That facet is called DXing.

Broadly, DXing means the hobby of listening for distant and hard-to-tune stations simply because they are challenging to hear.

While shortwave listeners (SWLs) are, as I have already noted, primarily interested in program listening, DX fans are more fascinated by the fact that a weak, wavering signal is making it through the noise and interference at all!

We have to disagree with 15-year-old Herb Fischer, St. Louis, MO, who says he has a "crude set-up." Herb uses what he calls a "low cost shortwave radio," the Realistic DX-40, but shows that even a simple listening post can be very attractive. "It's all I really need to provide a worthwhile hobby," he says.



NRI will train you at home to be an electronics professional in the growing world of communications.

Skilled technicians urgently needed to service, repair. and install everything from microwave antennas to two-way radios...from radar sets to TV transmitters.

No other home-study course gives you such complete, professional training in so many fields of communication. No other gives you the actual bench training with kits and demonstration units specially designed for learning. Only NRI gives you the thorough preparation and training you need to achieve professional competence and take advantage of these good-paying job opportunities.

Learn at Home in Your Spare Time

Learn at your own pace, right in your own home. There's no need to guit your job or tie up your evenings with night classes. No time or gas wasted traveling to school...NRI brings it all to you. You learn with NRIpioneered "bite-size" lessons and proven, practical "power-on" training.



Microwave Relay



CB Radio

Build Your Own 2-Meter. Digitally Synthesized VHF **Transceiver**

NRI training is "hands-on" training. You get honest bench experience as you build and test this industrial-quality two-way radio and power supply. You reinforce theory lessons as you induce and correct faults, study individual circuits and learn how they interface with others. Or, at your option, you can train with a fully-assembled forty-channel mobile CB and base-station power supply converter.

You also build and keep for use in your work a transistorized volt-ohm meter and digital CMOS frequency counter. NRI even gives you special lessons to get your Amateur License so you can go on the air with your VHF transceiver.

FCC License or Full Refund

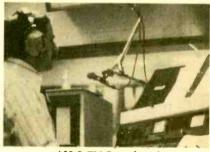
In all, you get 48 lessons, 9 special reference texts, and 10 training kits... the training you need to become a professional. And NRI includes training for the required FCC radiotelephone license examination. You pass or your tuition will be refunded in full. This money-back agreement is valid for six months after the completion of your course.



Mobile Radio



TV Broadcasting



AM & FM Broadcasting

Free Catalog, No Salesman Will Call

NRI's free, 100-page full-color catalog shows all the equipment you get, describes each lesson and kit in detail, tells about opportunities in the many specialized fields we train you for. It includes facts on other rewarding areas like TV and audio servicing or digital computer electronics. Mail the postage-paid card and see how we can make you a pro.

If postage-paid card has been removed, write to:



NRI Schools

McGraw-Hill Continuing **Education Center** 3939 Wisconsin Avenue Washington, D.C. 20016

That brings us to the matter of foreign languages. Obviously, to the English-speaking listeners, shortwave does abound with programs in foreign languages-French and Farsi (a language of Iran), Spanish and Swahili (a major African language), Indonesian and Eskimo, Chinese, Creole and many, many

But there is an astonishing large number of English language programs on shortwave, including virtually all of the ones I mentioned at the beginning of this article. You can hear stations in well over 100 different countries around the globe knowing not one word of a language other than English.

Signals from far away? Certainlyl But there are quite a few not so far away. Radio Canada International is one of the more popular shortwave broadcasters among North American SW audiences. Canada has, as well, a domestic shortwave service providing programs to its citizens living in the Arctic regions and northern provincial area, plus at least a handful of private stations that duplicate on shortwave their AM radio programming.

The U.S. has its Voice of America, also widely listened to at home. And there are other private shortwave voices with religious connections-Family Radio WYFR in Florida, World International Broadcasters' WINB in Pennsylvania and KGEI, the Voice of Friendship in California.

Finally, is shortwave listening technical and complicated? Yes and no!

Television is complex and technical too, but that doesn't prevent a person with little or no electronics expertise from enjoying it. The same is true with shortwave. If you are interested in the more technical aspects of electronics, the more esoteric physics, that is there for you to also enjoy in the hobby. If you're the kind of person who wants to

turn on a switch and tune a knob, that's okay too.

Simply put, anyone can-and most who try it, probably will enjoy shortwave listening.

SW Frequency Spectrum. Strictly speaking, the high frequencies, what we call shortwaves, include those between 3.000 and 30.000 kilohertz (kHz). Practically speaking, we generally add a bit more spectrum space at the lower end of that range, to include an interesting small group of stations in our working definition. For our purposes, we'll consider the shortwave frequencies to begin at about 2,000 kHz.

Within the general radio frequency spectrum, you see, the shortwaves begin not far above the highest medium wave frequency in use, 1600 kHz, the top of your AM dial. And it ends below the bottom of the low very high frequency (VHF) band used by some public service and police communications. Also well above, in frequency, the shortwaves are FM and TV transmissions, also in the VHF and ultra high frequency (UHF) ranges.

There are three broad categories of stations that operate in the shortwaves.

There are, first of all, the amateur radio operators, hams who engage in two-way personal radio communications. Ham radio is really outside the scope of Communications World coverage. If you're interested in learning more about ham radio, I suggest you check your newsstand for several fine magazines that deal exclusively with amateur radio, or read some of the publications of the Amateur Radio Relay League, Newington, CT 06111.

The second category is shortwave broadcasting, the sort of programming stations I've been talking about. We'll focus our attention mostly on these SWBC stations.

The third type of station found in the shortwave range of frequencies is a catchall category that lumps together virtually all other transmissions you can hear in our chosen section of the radio spectrum. Hobby listeners call these stations, broadly, the utilities, or

J. P. Kana, Fayetteville, GA, has been listening to shortwave for 10 years, he notes, and has logged stations such as Radio Andorra, Radio Ulan Bator (Mongolia), the Voice of Iceland and Radio Pilipinas (Philippines). His receivers, shown here, include a Yaesu FRG-7 (top shelf), a SONY ICF-5900W portable and, the "biggie," an ex-military rig, the R390A, made by Collins.

utes. Utility operations include commercial and governmental point-topoint communications, radiotelephone, radiotelegraph, radioteletype, aeronautical and maritime communications, military transmissions and, well, the list goes on.

Utility stations do not broadcast programs, shortwave broadcast stations do. And these broadcasters are found in an even dozen shortwave bands. Or at least there are 12 SWBC bands now.

In late 1979, delegates at the World Conference Administrative Radio (WARC), meeting in Geneva, Switzerland, made some modifications in the shortwave broadcasting bands. We'll look at them shortly. But since they won't be operational for some years, first let us consider the shortwave bands as they are today.

Where The SWBC Bands Are Located. Most shortwave stations will be found by tuning the 12 shortwave bands. They are designated the 120, 90, 75, 60, 49, 41, 31, 25, 19, 16, 13 and 11 meter bands.

Kilohertz? Now meters?

Okay, let's clear up those essential terms before moving on. They are confusing to many.

For illustrative purposes, think of a violin string. Of course with a violin we are talking of audio frequencies, not electromagnetic radiation, but the example may help to explain the relationship between wavelength and frequency.

As the violinist slides his finger on the neck, he shortens and lengthens the string. As he strokes the string with the bow, he sets it to vibrating. The shorter the string, the more vibrations per second. There is-and this is true of radio waves as well-an inverse relationship between wavelength and fre-

Just where you'll find a station on your shortwave dial depends on the electromagnetic wave transmitted. The wave has a certain length, measured in meters (a meter is roughly 39.37 inch-

That wave "vibrates" a certain number of times per second, depending on its length; the number of "vibrations" we call frequency.

As wavelength is measured in meters, frequency is measured in cycles per second, or Hertz. At shortwave frequencies, we use the terms kilohertz (kHz, 1,000 cycles per second) or Megahertz (MHz, a million cycles per second).

One of the shortwave frequencies of America's "radio clock," Standard Time and Frequency station WWV at Ft. Collins, CO, is 15,000 kHz. It's radio wave "vibrates" at a rate of 15,000 × 1,000 (or 15 million) times each second.

An equally acceptable and fully equivalent frequency measurement would be 15 MHz, of course. A shortwave frequency of 15,000 kHz or 15 MHz corresponds to a wavelength of 20 meters.

The basic formulas are wavelength (in meters) equals 300,000 (roughly the speed of light in kilometers per second), divided by frequency (in kilohertz); and, conversely, frequency equals 300,000 divided by wavelength.

Another example: A shortwave frequency of 6,000 kHz is the same as 6 MHz. They are also equivalent to a wavelength of:

300,000 or 50 meters. 6,000

Except when referring to specific shortwave meter bands, I'll generally be referring to frequency in kilohertz, but the terms are just different ways of

getting the same idea across.

Tropical Bands. Back to the short-wave bands, first we'll consider four which are broadly called the Tropical bands. They are the 120 meter band (2,300 to 2,495 kHz), 90 meter band (3,200 to 3,400 kHz), 75 meter band (3,900 to 4,000 kHz) and 60 meter band (4,750 to 5,060 kHz).

The majority of stations using these four bands are the shortwave equivalents of local and regional AM radio in many parts of the world, but particularly in the belt of nations on either side of the equator in Latin America, Africa, Asia and the Pacific. Thus the term, Tropical bands.

The stations on these bands direct programs mainly at audiences in their home countries or regions, in the languages of those nations. Transmitters are lower powered with more limited range.

International Broadcasters. Heading up the shortwave frequencies, the next four bands are the 49 meter band (5,950 to 6,200 kHz), 41 meter band (7,100 to 7,300 kHz), 31 meter band (9,500 to 9,775 kHz) and 25 meter band (11,700 to 11,975 kHz).

You'll find some of the local and regional stations on these bands but, increasingly, the higher in frequency you tune, more of the so-called international broadcasters.

These international broadcasters generally are the more powerful stations. That stands to reason, too, since they exist mainly to serve foreign, not domestic audiences.

These international stations are the

ones deliberately reaching out to foreign audiences in the languages of those listeners. Among these stations, therefore, you'll find the most programs in English, specifically beamed to North American listeners, at prime listening times here, generally the evening hours.

High Bands. The four highest frequency shortwave bands are 19 meter band (15,100 to 15,450 kHz), 16 meter band (17,700 to 17,900 kHz), 13 meter band (21,450 to 21,750 kHz) and 11 meter band (25,600 to 26,100 kHz).

WARC Proposals. The 1979 World Administrative Radio Conference held in Switzerland in the fall of that year had the goal of setting out the use of radio frequencies through the end of this century.

Many of the western nations went into the conference seeking additional "band space" for international broadcasting. The U.S., for instance, proposed nearly 50 percent more spectrum room for shortwave broadcasting. The USSR on the other hand, proposed no increase in broadcasting frequencies. However, the Soviet Union has always been quite willing to operate, without any international authorization, just about where it wants, inside or outside the regular international shortwave bands.

A second aim of many of the countries attending WARC-79 was some sort of limitation on the use of the shortwave bands. This could have included new technological approaches and/or a willingness to simply use fewer channels in given bands.

The second aspect didn't get very far at WARC, but the conferees did agree to convene a two-session "specialized high frequency broadcasting conference" during the middle of this decade to plan a more efficient and equitable use of the shortwave BC bands.

Twenty-five nations, including the U.S., expressed some doubts that the later conference would succeed, but for the present have agreed to go along with the limited expansion of the shortwave bands approved by the WARC-79 gathering.

WARC allocated an additional 650 kHz in the existing bands from 9 to 21 MHz; decreased the 11 meter band by 70 kHz, and created a totally new band something below the current 19 meter band.

The additions to the SWBC frequencies will look like this:

- An additional 125 kHz on the "top end" of the 31 meter band: 9,500 to 9,900 kHz.
- An additional 125 kHz to the 25 meter band, 50 kHz at the bottom of

the present band, another 75 kHz at the top: 11,650 to 12,050 kHz.

- The creation of a totally new SWBC band, 200 kHz wide, from 13,600 to 13,800 kHz.
- An increase of 150 kHz of band space to the present 19 meter band at its top end: 15,000 to 15,600 kHz.
- An additional 150 kHz at the lower end of the existing 16-meter band: 17,550 to 17,900 kHz.
- An increase of 100 kHz to the high end of the 13 meter band: 21,450 to 21,850 kHz.

The existing 11-meter band was decreased in size by 70 kHz, to 25,670 to 26,100 kHz.

That, presumably, will be what our shortwave broadcasting bands will look like as we approach the 21st Century. But don't look for these changes tomorrow. They won't happen at least until after the planned mid-decade broadcasting conference.

When to Tune. Where to tune to find shortwave programming is closely linked to the matter of when to tune. And both are involved in what DX fans call propagation.

That means, simply, the natural phenomena that bring a radio signal from a distant transmitter to your receiving antenna.

Radio signals travel in a straight line. Thus, directly received signals are not possible very much beyond the horizon. How then do shortwave radio waves travel thousands of miles around the world?

Distant shortwave reception relies on skywave propagation. High above the earth, in the ionosphere, are a series of layers of gases, ionized by solar radiation. These are labeled the D, E and F layers by physicists.

The two highest bands, but especially the F layer, are reflective to radio signals in the shortwave frequency range.

When a shortwave radio signal leaves the transmitting antenna, it heads off in a straight line toward space. In the ionosphere it encounters a radio-reflective layer and comes bouncing back to earth to be received at a distant listening site. Several "bounces," back and forth between the earth and the ionized layer high above, can take a radio signal around the globe.

This is what makes worldwide shortwave reception possible.

But there's a catch too. There is another layer in the ionosphere called the "D." It tends to absorb, rather than reflect the longer wavelengths, that is, the lower frequency SW signals.

The "D" layer reacts most strongly to solar radiation. It exists in those



parts of the ionosphere reached by sunshine. On the "nightside" of the world, the "D" layer quickly disappears, only to be regenerated again after dawn.

Where the "D" layer is existant. along daylight paths between station and listener, lower frequency SW signals will be absorbed. There will be no long haul shortwave reception.

There will be SW reception, however, on the higher shortwave frequencies. Over darkness paths, signals will propagate on the low SW frequencies.

In practice, this phenomenon suggests the "when" of shortwave listening. On the high shortwave bands, say the 19, 16, 13 and 11 meter band, do your tuning during your daylight hours.

There isn't much use in bothering with the low frequencies, 49, 60, 75, 90 and 120 meter bands, between your early morning hours and later afternoon. It is a progressive situation, however, and the 49 and 60 meter bands, for example, will "open up" earlier in the afternoon than will the 75, 90 and 120 meter bands.

In between, the 25, 31 and to some extent, 41 meter bands, are transitional, between the darkness-daylight extremes.

Remember, too, that darkness approaches from the east. So in the afternoon, as dusk approaches, the path of darkness for shortwave signals will be roughly to your east.

That's the time to look for SW signals on the lower frequencies from Africa, the Middle East and such European stations as operate on those bands.

As your darkness disappears at dawn, it is still night to the west of your location, and low SW frequency signals from Asia and the Pacific areas are likely to be heard.

Thus, the basic rule is lower SW frequencies at night; higher frequencies during daylight hours.

There are two other reception cycles to consider. The first is seasonal.

Normally winter is better than summer for shortwave reception, though



this isn't to say that you should quit listening during the warmer months.

There are more hours of darkness during winter, when the lower DXing SW bands showed improved perform-

Secondly, atmospheric noise or static -SWLs call it QRN, a borrowed amateur radio term. Its counterpart is QRM or man-made radio noise-is diminished in winter.

Lightning storms are terrific static generators. Crashes and blasts of static can drive the most dedicated shortwave listener from his receiver.

Lightning is like a giant, natural jamming station, pouring out millions of watts of DX-inhibiting static. Because these "signals" act like ordinary radio waves, they too can travel long distances. It may be a delightful day, weatherwise, where you live, but storms thousands of miles away can blitz you with heavy static! But there are, simply, fewer electrical storms in winter than in summer.

Additionally, there is the sunspot cycle to consider. Sunspots are those violent flareups on the sun's surface. The number of sunspots rises and falls over a cycle that is something like 11 years in length, though increasingly, scientists are realizing that they really don't know all that much about predicting the peaks and valleys of the cycle.

During periods of high sunspot activities-and we're moving in that direction now-solar radiation drastically alters the ionospheric reflecting layers in such a way as to allow reception up to the high end of the shortwave range.

Practically, this means that more and more international shortwave broadcasters will be utilizing the high shortwave frequencies, 13 and 11 meter bands.

Tuning in on SW. A shortwave receiver, of course, is essential, before the whats and whens of SWLing can come

Perhaps, around the house, you already have a receiver capable of tuning the shortwave frequencies. It might be an old multi-band radio 30 or more years old, which if taken from the attic and dusted off, possibly "re-tubed" if necessary, will still pull in the foreign stations.

Maybe it is one of the portable

"El Shacko," as Alabama DXer Neal Perdue calls his DXing setup, is located in a mobile home atop a southern mountain. Neal's receivers include a Drake SW4A, a Hallicrafters SX-100 and a Panasonic RF2900.

radios, imported by the millions from the Orient during the past decade or so. Often this sort of portable radio, purchased generally for under \$75 or so, offers at least partial coverage of the shortwave frequencies. Even though your intent at the time you bought it was to let you listen to FM, or AM radio while "on the go," the SW feature will now be your belated bonus.

These shortwave radios can get you started, without a doubt. But, frankly, if you have an interest in shortwave listening that lasts beyond just casually tuning in to foreign stations a few times, it won't be long before you're ready to consider a more up-to-date receiver.

The basic reason is that in the past few years there have been dramatic improvements in SW receivers. And the most notable of the improvements involves what DXers call frequency readout.

Frequency Readout means the ability of the receiver to accurately display the frequency to which your SW receiver is tuned.

Tuning a TV set to a particular channel, or a CB transceiver to the proper spot is nothing more than a few clicks of a dial and you're locked in. With an AM radio, a turn of the dial to the approximate area of your favorits local station brings in a loud and clear signal. But it's a different matter on the shortwave bands. Signals are jammed closely together in relatively small bands.

Inexpensive and older radios often have so-called sliderule type dials-a plastic "bar" slides in front of a dial plate vaguely marked with frequencies.

The SW 31 meter band, for instance, is 275 kilohertz wide. Among the band's frequencies, hundreds of stations operate, several dozen can be heard reasonably well during the evening hours.

Yet, on the sliderule dial of a typical Japanese multi-band portable of the older type, the entire 31 meter band is represented on the dial panel by a mark only a quarter to a half inch long.

Trying to somehow tune to a specific station in such a tiny band space on the dial is purely a hit and miss proposition. Oh yes, tuning by "ear" will bring in the stations. Tonight, purely by tuning around, you may well hear, for instance, Swiss Radio International, loud and clear. Later you may tune in Radio Moscow's World Service in English. The problem, however, comes the next time you try to duplicate your original feat by bringing in SRI. Finding it again, with the receiver's vague frequency readout, makes it just as much a matter of luck in tuning as it was the first night.

Before very long, you'll tire of just stumbling around the shortwave frequencies for whatever may come your way. You'll want more accurate frequency readout that will let you know the frequency to which you've tuned, and let you return easily to the same spot the next time you listen.

Digital Readout. The best way to accomplish this is with digital frequency readout tuning. A few years ago digital electronic readout of frequencies was available only in the most expensive shortwave receivers. Not long before that, it simply was not available at all.

Today, this sort of frequency readout, generally an illuminated display showing the numerical frequency, is available on many SW portables and "table-sized" communications receivers priced as low as from \$200-\$300. The more expensive sets almost invariably have electronic digital display.

Analog Readout. On some of the lower priced, though still not cheap, receivers, reasonably accurate analog type readouts are available. These make use of the older style dials. But designed mainly for shortwave purposes, it often is possible to tune and retune the sets with an accuracy of 5 to 10 kHz of true frequency. This should normally put you in the general vicinity of the station you desire and a bit of "tweaking" will permit you to find the stronger stations of your choice.

Frequency readout is important to know where you're actually tuning, and where to tune to find the particular stations you're hunting.

Selectivity. Equally important is a receiver's selectivity. Selectivity is, simply, the radio's ability to separate two shortwave signals on adjoining frequencies.

Theoretically, within the shortwave bands, stations are located 5 kilohertz apart. In practice, it is not uncommon to find two stations just a couple of kHz, or even less, apart. To the extent possible, you will want to be able to hear the programs of one desired station, without heavy interference from another outlet on a nearby frequency.

A receiver with good selectivity will be able to separate two signals of comparable strength if they are 5 kHz apart. If one is a strong signal, the other—the one you want to hear—considerably weaker, it may take a receiver with top notch selectivity to make intelligible reception possible.

And a receiver with poor selectivity means only a few super powered stations will be received clearly. Their signals will spread out, blocking other adFull coverage from 0 to 30 MHz without gaps is possible from this high quality receiver by R. L. Drake. The R7 features both digital and analog frequency readout and over 100 dB selectivity.



joining frequencies for 25, maybe 50 kHz on either side of the center frequency of those stations.

Building selectivity into a set costs money. The less expensive the set, the less effective is its selectivity circuitry. as a general rule.

While most receivers costing over a couple of hundred dollars will have selectivity good enough to hear most of the international broadcasters, if you are also interested in hearing the lower powered, lower SW frequency Tropical Bands domestic and regional voices, you may improve your success rate by looking to a more expensive set, or having a receiver modified for better selectivity.

For not a great deal more than an unmodified set, outfits such as Gilfer Associates Inc. (P.O. Box 239, Park Ridge, NJ 07656) and Radio West (3417 Purer Road, Escondido, CA 92025), can provide receivers with improved selectivity.

Exotic Tuning Features. There are two new electronic marvels that are beginning to show up on moderate priced to expensive shortwave receivers.

One is called "memory." The memory feature allows you to preset a certain number of frequencies in your receiver. Then, without any tuning, a push of a button will instantly bring the receiver "up" on the preset, predetermined frequency.

If you have a half dozen or so frequently tuned stations (some expensive sets have as many as 24 memory channels), you can program them into the receiver to make it ultra-easy to call them up simply with the push of some front panel buttons.

Last year, one had to pay at least \$1,500 to buy a shortwave receiver with "memory" ability to return to pretuned frequencies time and again. This year, less than \$800 will buy a memory smart receiver. Next year? Who knows?

The second innovation now available, but destined for appearance in less expensive sets is touch pad tuning.

Touch pad tuning gets away from

the old notion of changing frequency by dialing a knob on the receiver. Instead there is a keyboard arrangement something like a touch tone telephone. If you want to tune in, for example, a shortwave frequency such as 15,350 kHz, you touch, in sequence, the numbers 1-5-3-5-0 and, quick as a flash, you're on frequency. From this, or any other selected frequency, you can scan upward or downward on the band with a touch of another set of controls. The system is totally electronic; nothing mechanical at all.

SONY has put touch pad tuning and memory in its ICF-2001 receiver, brought out in 1980 in the low-moderate price range.

I'm reluctant to speak in terms of specific prices, since there is a fair range of difference between dealers in different parts of the country, particularly where popular models and highly competitive markets are involved. And also, since a goodly number of the models are built in Japan, the changing exchange rate of the Yen causes price fluctuations.

Broadly speaking, the lower priced shortwave receivers will be those generally selling for under \$200; low-moderate from \$200 to \$300, moderate \$300 to \$500; moderately expensive, \$500 to \$750; expensive, \$750 to \$2,000, and super-costly, over \$2,000.

Now admittedly, prices can be scarey! But consider it in terms of the costs of many other hobbies. A shortwave receiver will give you many years of listening enjoyment for your one-time purchase price. Consider what once or twice a week bowling or golf would cost over a five-year period. A receiver is an investment in a good many years of enjoyment.

In the lower price range, SONY has its model ICF5900W, which features an analog type frequency readout, rather than digital. Similar in features is the Panasonic RF2200 set.

In the moderate range of prices are the SONY ICF6700W and Panasonic's RF4900, each featuring electronic digital readouts.



In the upper range of the expensive bracket is SONY's new CRF-1. Panasonic is said to have a new touch pad ultra costly receiver on the way and also a new, very inexpensive barebones SW receiver, RF-085 at under \$70.

Yaesu Musen, another Japanese manufacturer, gained acclaim a couple of years ago with its FRG-7 model, affectionately dubbed the "Frog-Seven" by shortwave listeners. Then Yaesu came out with an upgraded receiver, the FRG-7000, featuring electronic digital readout.

Now the firm has discontinued the 7000 and replaced it with the improved FRG-7700. This is the low-end-ofexpensive rig that has the memory feature, or, without the memory circuitry, comes in at something over \$500.

Kenwood, an outfit known for producing amateur radio transmitters and equipment, has entered the market with its model R-1000, which has been receiving quite a bit of listener interest in late 1980.

Also introduced in 1980 was Japan Radio Corporation's NRD-515, which offers the memory feature and others in the expensive range. It has received favorable writeups in the radio hobby bulletins.

Priced competitively with the NRD-515 is the Drake R-7. Drake's receiver -many SWLs will remember the quality of this Miamisburg, Ohio manufacturer's "hit" receivers of the past, the SPR-4 and R4B-has also received some good reviews by users.

Radio Shack has come out with two new receivers. One is the digital readout DX302, successor to the DX300 model. It is in the moderate price range.

In the low-moderate price range is Radio Shack's DX200 model, with analog, rather than digital frequency readout. It replaces the longtime friend of the younger or less affluent SWL, the DX160 model.



Speaking of the DX-160 and other older-line sets, remember that used receivers now five to twenty years old can be real buys for the short-of-cash. If you can locate some of the older tube models at radio dealers who take trade-ins, ham radio gear dealers, at rummage sales or flea markets, they may be just the ticket.

On the new receiver market, there are other names you may consider-Grundig, Nordmende, Zenith, Sanyo, Hitachi and others. The mentioning of a few models and brands should not be considered endorsement of any particular set. Shop around, give them a try, find the set that seems to suit your needs and desires and, most of all, wallet, best!

Fancy gadgetry is not always worth the price! There is one set on the market which greets the user, when he first turns it on, with a cherry bit of encouragement flashed across its readout display: "I hope success!" Enthusiasm aside, that bit of gimmickry hardly adds to the real value of the set.

If the receiver you buy can tell you, with a good degree of accuracy, the frequency to which it is tuned . . . if it has the ability to separate signals on adjoining frequencies with a minimum of co-interference . . . if it is within your price range . . . then it's the shortwave receiver for you!

Around the Globe. By now you should be itching to be switching on your shortwave receiver. You've got the radio and you're set up with an antenna, either a built-in whip, or, better yet with most sets, a wire antenna stretched around your room, or across your backyard.

You know where the shortwave bands are, and the optimum time to tune each of them. You know there are interesting programs on the air.

Now, though, let's take a closer look at a cross section of the shortwave broadcasting stations of the world.

Remember, also, that SW broadcasting is very changeable. This month's frequency could be changed next month. Programming hours also may vary from season to season. But even if there have been some minor changes by the time you read this and are ready to tune for the following short-

"My main listening interest is shortwave, and I've heard 27 stations in 25 countries in just over a month," writes Tyler, TX SWL, Shane Mercer. Shane uses a Radio Shack Realistic DX-160 receiver.

wave voices, don't be dismayed. Tune around a bit and the chances are good you'll find the stations on their new frequencies.

Twenty-Five International SW Stations. Here are some tips on tuning 25 of the major international broadcasters (along with their addresses):

ALBANIA: Radio Tirana (Rue Ismail Quemal, Tirana, Albania). Radio Tirana presents the '80s version of what Cold War SW broadcasting was all about, a quarter of a century ago. There is probably no other station quite so outspoken today. Calling itself the voice of Marxism-Leninism on the international shortwaves, Radio Tirana is unfriendly to "our side." Tune: 7,120 or 9,750 kHz, 0130-0200 or 0230-0300 GMT; or 6,200 or 7,300 kHz, 0330-040 GMT.

AUSTRALIA: Radio Australia (P.O. Box 428G, GPO, Melbourne 3001, Australia). A good source of news from Down Under. Listen for newscasts on the hour. Tune: 17,795 or 21,740 kHz, 0100-0300 GMT.

AUSTRIA: Austrian Radio (SW Serice, A-1136, Vienna, Austria), Though not one of the largest European broadcasters, this operation generally gets high marks from listeners for its English language service. Its Profile of Austria program is recommended. Tune: 5,945 or 9,770 kHz. 0130-0200 GMT.

BULGARIA: Radio Sofia (4 Bd. Dragan Tsankov, Sofia, Bulgaria). This eastern European station is easily heard during its two daily transmissions in English to North America. Tune: 9,705 kHz, 0000-0100 GMT, or 9,530 kHz, 0430-0500 GMT.

CHINA: Radio Peking (Peking (Beijing), People's Republic of China). Over the years, the content of the programming on shortwave from Peking has mellowed remarkably. Still not the most interesting station on SW. but it has its moments. Tune: 15,120 kHz, 0100-0500 GMT.

CUBA: Radio Havana Cuba (Box 7026, Havana, Cuba). If you want to hear Fidel's view of world events, there's the English language Commentary on International Affairs. I prefer the terrific Latin rhythms during both the English and Spanish services. Tune: 11.930 kHz, 0100-0450 GMT, or 11,-760 kHz, 0330-0600 GMT, or 9.525 kHz, 0630-0800 GMT.

CZECHOSLOVAKIA: Radio Prague (12099 Vinohradska, Prague 2, Czechoslovakia). This is another station that works hard to attract and keep listeners abroad. Its Saturday Night Jukebox at 0135 is entertaining. Tune: 5,930, 7,345, 9,740, 11,990 kHz, 0100-0200

or 0300-0400 GMT.

ECUADOR: HCJB (Voice of the Andes, Box 691, Quito, Ecuador). This religiously oriented international broadcaster has been on the air for nearly a half century. It has an extensive English service; one of the few stations in South America to do so. Especially for SWLs, the DX Partyline program—0230 GMT three times a week—is recommended. Tune: 9,745, 11,910, 15,-155 kHz, 0230-0500 GMT.

EGYPT: Radio Cairo (P.O. Box 1186, Cairo, Egypt). One of the better programmers in this part of the world. Has had programs with interesting insights into Arab world and ancient Egypt. Newscasts generally worthwhile. Tune 9,475 kHz, 0200-0330 GMT.

FINLAND: Radio Finland (Box 95, 00251 Helsinki 25, Finland). Programming is generally well done. Of a number of worthwhile programs, I like "Spotlight" on Thursdays. Tune: 15,400 kHz, 0330-0400 GMT, or 11,755, 15,265 kHz, 1300-1500 GMT.

GERMANY, WEST: Duetsche Welle (Voice of Germany, P.O. Box 100444, D-5000 Cologne 1, Federal Republic of Germany). This is one of the real giants of international shortwave broadcasting. In addition to transmitters in Germany, the programs are relayed by stations in Africa, the Mediterranean (Malta), Portugal and the West Indies. Tune: 6,040, 6,085, 9,545 kHz, 0130-0150 GMT, or 6,185, 9,650, 11,705 kHz, 0530-0550 GMT.

GREAT BRITAIN: British Broad-casting Corporation (Box 76, Bush House, London WC2B 4PH, England). As mentioned earlier, the BBC is a fine station with a very wide range of programs. The best way to keep tabs on which programs are on when is to subscribe to the monthly London Calling magazine, \$10 a year to the above address. Like Germany's Deutsche Welle, the BBC is relayed from a number of points outside the UK. Tune: 5,975, 6,120, 6,175, 9,590, 11,845, 15,260 kHz and others at various times between 0000-0700 GMT.

HUNGARY: Radio Budapest (Budapest, Hungary H-1800). Another east European broadcaster whose programs are widely heard in North America. Tune: 6,000, 9,585, 9,835, 11,910, 15,220 kHz, 0100-0130, 0200-0230, 0300-0315 GMT.

INDIA: All India Radio (External Service, P.O. Box 500, New Delhi, India). India has been a leader in the Third World movement for a number of years. AIR newsbroadcasts reflect this non-aligned approach, and present good coverage of events in this part of

INFORMATIVE DX PROGRAMS

A number of shortwave broadcasting stations feature regular programs specifically for SWLs. They vary somewhat in format, but most provide tips on stations to be logged, changes in frequencies and programming schedules. In many cases the scripts for these informational programs are provided by various DXing clubs. Check text and/or WHITE'S RADIO LOG section at the back of this issue for shortwave frequencies to tune:

Station & Program Name

Austrian Radio, Shortwave Panorama Belgian Radio TV

Radio Sofia (Bulgaria)

Radio Canada Int., DX Digest

Radio Prague (Czechoslovakia)

HCJB (Ecuador), DX Party Line

Deutsche Welle (Germany)

Radio Nederland, DX Jukebox Radio Budapest (Hungary) Kol Israel

Radio Japan, Tokyo Calling

Radio New Zealand, Arthur Cushen's DX World

Radio RSA (South Africa), DX Corner

Radio Exterior de Espana (Spain)
Radio Sweden, Sweden Calling DXers

Swiss Radio Int., Swiss SW Merry-go-round

Voice of Turkey

British Broadcasting Corp., World Radio Club

Radio Moscow

Radio Kiev (USSR)

Day and Time (GMT)

Sunday, 0300, 0915, 1805 2nd and 4th Sunday/Monday 1735, 2245, 0035

Friday, 1930, 2130 Saturday, 0000, 0430

Sunday, 1800, 1900, 2000, 0100, 0200, 0300, 0400

Wednesday, 1900, 2130 Friday, 0100, 0300

Mon/Thurs/Sat 0800, 2130 Tues/Thurs/Sun. 0230

2nd Saturday of the month, 0840, 1440, 1940, 2210, 0040, 0140, 0340, 0540

Thursdays in each transmission Wednesday and Saturday, 0400

Sunday, 2025, 2255

Sunday, 0810, 1000, 1125, 1840, 2025

Monday, 0015, 0200, 1640 1st Sunday of month, 0915 (1015, March-Oct)

Saturday, 2100 Sunday, 0200

Sunday, 0147, 0247, 0602

Tuesday during English transmissions

2nd and 4th Saturdays during English transmissions

Monday/Thursday/Saturday, 2235

Sunday, 0745, 2100 Monday, 1115 Wednesday, 2315

Saturday, 0810 Sunday, 1210 Tuesday, 1610 Friday, 1810

Wednesday, 2000 Friday, 0030

the world. Also, if you're a fan of sitar music, popularized in the West in recent years by Ravi Shankar, this is the station to try. Tune: 9,912, 11.620 or 15,165 kHz, 2000 to 2230 GMT; or 11,770, 11,815, 15,110 or 15,250 kHz. 2245 to 0115 GMT.

ISRAEL: Kol Israel (Overseas Service. P.O. Box 1082, Jerusalem, Israel). A number of worthwhile programs from this major shortwave broadcaster include "Mosaic," Tuesdays at 0215 GMT, and, for SWLs, at 2015 and 2245 GMT, Sundays, a special DX show hosted by Ben Dalfin. Tune: 11, 610, 17,815, 21,710 kHz, 2000-2030 GMT; or 9,815, 11,637, 15,582 kHz.

2230-2300 GMT or at 0200 to 0225 GMT.

JAPAN: Radio Japan (Jinnan 2-2-1, Shibuya-ku, Tokyo 100, Japan). Among the English language programs of this Far East SWBC outlet are "Hello America," Sundays, and "Sketch of Japan," on Wednesdays. Tune: 9,585, 15,195 and 17,755 kHz, 0000 to 0015 GMT; add 17,880 kHz, but delete 15, 195 kHz, 0100 to 0115 GMT; or 15, 235, 17,725, 17,825 or 21,640 kHz. 0130 to 0230 GMT.

NETHERLANDS: Radio Nederland (P.O. Box 222, 1200 JG, Hilversum, Netherlands). One of the most popular single SW programs on the air for dec-

ades is the Happy Station show, hosted these days by Tom Meyer. It is aired Sundays at 0230 GMT. Radio Nederland has several SW relay stations in various parts of the world. This particular program is relayed to North America by a transmitter on the island of Bonaire in the Netherlands Antilles, just off South America. Tune: 6,165 or 9,590 kHz. 0230 to 0325 GMT, or 6,165 or 9,175 kHz. 0530 to 0625

NEW ZEALAND: Radio New Zealand (P.O. Box 2092, Wellington, New Zealand). A few years ago, after a financial crunch threatened the RNZ shortwave service, the broadcasting organization took to relaying on shortwave a goodly number of its domestic medium wave programs. Frankly, I thought this money-saving step improved programs, in that it gave foreign listeners a better view of New Zealand as New Zealanders know it. "New Zealand Calling" is worth tuning. Tune: 15,345 or 17,860 kHz, 0000 to 0630 GMT; or 6,105 kHz, 0640 to 1030 GMT.

POLAND: Polish Radio (Al Niepodleglosci 75/77, Warsaw, Poland). For some unaccountable reason, this station, recently, has been identifying as Radio Polonia in its English programming. So don't be confused, if this practice is continued. Tune: 6,095, 6,135, 7,270, 9,525, 11,815 kHz, 0200 to 0230 and 0300 to 0330 GMT.

SAUDI ARABIA: Broadcasting Service of the Kingdom of Saudi Arabia. (P.O. Box 570, Riyadh, Saudi Arabia). This station, which says it has a service for North America in English, French and Arabic, is a good bet to give you the real flavor of the Mideast. Tune: 11,855 kHz, 1100 to 1300 GMT, or 1800 to 2200 GMT.

SOUTH AFRICA: Radio RSA (P.O. Box 4559, Johannesburg 2000, South Africa). This station puts in some of the strongest signals from the southern



part of Africa. Tune: 5.980, 9,585, 9,610 or 11,900 kHz, 0156 to 0250 GMT.

SWEDEN: Radio Sweden (\$105-10, Stockholm, Sweden). This nordic station ranks rather high on the lists of many shortwave listeners when it comes to programming. One of its best is the Saturday Show, on that day of the week, naturally, at 1400 and 2300 GMT. Tune: 11,705 or 15,290 kHz, 0230 to 0300 GMT; or 21,615 or 21,700 kHz, 1400 to 1430 GMT; or 11,705 or 15,380 kHz, 2300 to 2330 GMT.

SWITZERLAND: Swiss Radio International (CH-3000, Berne 15, Switzerland). The Swiss station has a reputation for quality programming. The news is neutral, like the country's long-time tradition. The Swiss folkmusic is among the liveliest and happiest in the world. Tune: 6,135, 9,725, 11,715. 15,130 kHz, 0145 to 0215 GMT; or 9,725, 11,715 or 15,305 kHz, 0430 to 0500 GMT.

TURKEY: Voice of Turkey (Genel Mudurlugu, Mithat Pasa Caddesi 37, Ankara, Turkey). This broadcaster is trying to improve its programs and it is succeeding. The station even sent one of its staff to a DXers convention in North America a couple of years ago to find out more about what listeners here want in the way of programs. Tune: 11,885 kHz, 2030-2100 GMT; or 15,250 or 15,360 kHz, 2200 to 2300 GMT; or 15,185 or 17,860 kHz, 1200 to 1300 GMT.

USSR: Radio Moscow (Moscow, USSR). The opportunities to hear Radio Moscow in the English language expanded with that station's establishing of a "World Service." Probably most readers will tune in to the North American beam, though. One of the more interesting programs is the longrunning Moscow Mailbag. Try Sundays at 0213 GMT. Tune: 9,600, 9,665, 11,710, 11,750 or 11,770 kHz, 0000 to 0100 GMT; or 9,605, 9,700, 11,720 or 11,750 kHz, 0100 to 0300 GMT; or 12,050, 15,100, 15,240 or 15,420 kHz, 0400 to 0500 GMT.

There you have some tips on tuning programming, in English, from some 25 different countries on shortwaves. For more times and frequencies on

A shortwave portable rarely seen in the U.S. is a Russian-made VEF-206, being tuned here by Richard Dupre, Sorel, Quebec, Canada. Richard is 15 and has been SWLing for a year now, during which time he has logged 36 countries.

hundreds of other stations, check out White's Radio Log in this issue of COMMUNICATIONS WORLD.

There are some other sources for information on English language broadcasts and shortwave programming offerings.

A detailed list of times and frequencies, computer generated and frequently update, is available for \$2 from Dan Ferguson, Box 8452, South Charleston, WV 25303.

While mostly a "letters to the editor" forum of listeners' opinions, the monthly Review of International Broadcasting (c/o University Radio WUOT, Knoxville, TN 37916), does include a brief listing of the better SW programs, titled, "Stuff We Like." A sample copy costs \$1.

A new magazine from Finland, though in English, is called Voices. It is aimed almost exclusively at the shortwave program listener and provides a monthly preview look at the English programs, in detail, from 18 of the major international broadcasters. Based on its first issue, it seems to be a nicely done, attractive magazine.

A subscription costs \$16 a year for 12 issues. The address is Voices, PL-226, SF-00171, Helsinki 17, Finland.

And, of course, there are a number of shortwave and DXer hobby clubs, non-commercial voluntary efforts by listeners just like you, most of which publish monthly (or more frequent) bulletins with plenty of useful information about the hobby. A list of these clubs, affiliated with the "umbrella" organization, the Association of North American Radio Clubs, appears elsewhere in this issue of COMMUNICATIONS WORLD.

There are programs on shortwave on every conceivable subject—and a few inconceivable ones!—so there ought to be something to interest everyone. Tune into the world, SWL, and enjoy!

A Look at DX'ing, Somewhat earlier, I noted that there are really two facets to listening to shortwave radio signals. The first, and obvious one is SWLing—shortwave LISTENING. SWLs are primarily interested in the programs.

So what else is there, you may ask? There is the challenge of hearing a station, not for the sake of its programming—for in many cases the signals are either too weak for easy, enjoyable listening, or the programs are in a foreign language—but because it is a difficult to hear "catch."

The word "catch" does suggest a parallel that may help to explain the attraction.

Fishing! One might go fishing to

ABBREVIATONS USED BY DXERS

	ADDR	EVIATO	NAS OSED BY DX	ERS	
A	announcer, approximate	FE	Far Eastern	QRM	any interfering station or
abt	about	FF	French, French speaking		man-made static
AC	alternating current	FM	frequency modulation	QRN	atmospheric interference or
addr	address	f/i	fade in		noise
AFC AFRTS	automatic frequency control	f/o	fade out	QSB	fading
AFRIS	American Forces Radio TV Service	freq f/up	frequency follow-up (second reception	QSL	verification reply to
AGC	automatic gain control	17 ир	report sent when initial	QTH	location
AM	amplitude modulation		report is unanswered)	R	radio
ANARC	Association of North	GC	Great Circle	rag	magazine
	American Radio Clubs	GCP	Great Circle Path	rcd, rcvd	received
ancr	announcer	GMT	Greenwich Mean Time	rcvr	receiver
anmt	announcement		(Universal Time)	re	concerning
ann	announcement	gov	government	Re	report
ant	antenna	GSTQ	God Save the Queen (British national anthem)	Red. Rel.	Rediffusion
approx AP*	A Portuguesa (Portuguese	gud	good	RF	religious radio frequency
7'	national anthem)	har	harmonic	Rp	return postage
AVC	automatic volume control	het	heterodyne	rpt	report
BBC	British Broadcasting Corp.	hi	expression of humor or	RRI	Radio Republik Indonesia
BC, Bc	broadcasting		laughter	RTTY	radioteletype
ВСВ	broadcast band (540-1600	hg, HQ	headquarters	RVOG	Radio Voice of the Gospel
	kHz medium waves)	hrd	<mark>heard</mark>	RX, rx	receiver
BCC	Broadcasting Corporation	ID	identification	S SASE	unit of signal strength self addressed envelope with
	of China	IDed	identified	SASE	stamp affixed used for
bcstr	broadcaster	IF info	intermediate frequency		replies
BFO	beat frequency oscillator	iRC	Information International Reply Coupon	sched	schedule(d)
Br CAm	British Central America(n)	irreg	irregular	scope	oscilloscope
	. Cadena Radial Colombiana	IS	interval signal	sez	says
OAKAOOL	(radio network)	ITU	International	shud	should
CBC	Canadian Broadcasting Corp.		Telecommunications Union		signal
CE	chief engineer	"	Japanese, Japanese-speaking	SINPO	signal reporting code
cfm	confirm (verify, QSL)	kc, kc/s	kilocycles per second (same,	sked	schedule
ck	check		as kHz)	s/off	sign on sign off
cl	close (sign off)	kHz	kilohertz	Sp	Spanish language
c/l	call letters	kw L	kilowatt	SS	Spanish, Spanish-speaking
cland	clandestine	LA	language Latin America(n)	stn	station
comcl	commercial conditions	lgd	logged	Superhet	superheterodyne receiver
CP	Caixa Postal (post office box	LV	La Voz de (common Spanish	Svc	service
•	in Portugues)		station identification, The	SW, sw	shortwave
cps	cycles per second		Voice of)	SWBC SWL	shortwaye broadcast
ca	general call requesting	IVI	level	SWLing	shortwave listener shortwave listening
O C	contacts, used by hams	LW	long wave, long wire antenna	TC, t/ck	time check
c/s	cycles per second	mb	meter band	t/i	tune in
ctry	country	MC, MC/s	megacycles per second (same	t/o	tune out
cw, CW	continuous wave (Morse code)	ME	as MHz) Middle East(ern)	tnx	thanks
CX	Conditions	MHz	megaherţz	tx	transmitter
dB	decibel (unit of sound	mni	many	UDX	utility (station) DX
DC	measurement) direct current	MW	medium wave	unid unk	unidentified unknown
de	from	MWBC	medium wave broadcast	unk urs	yours
DF	direction finding	mx	music	V	varies as to time or frequency
DSB	double sideband	NA	North America(n)	V/C	verification card
DU	Down Under (Australia,	NAf	North Africa(n)	verie	verification
5 V	New Zealand)	Nac.	nacional (Spanish for national)	v/I	verification letter
DX	long distance reception	net	network	vert	vertical antenna
DXer	one who listens for distant	nil	nothing	VFO v/s	variable frequency oscillator person signing verification
Ea	east	nr	near	v/s vy	very
EE	English, English language	nx	news	WCNA	West Coast North America
EN	English language	OM	Old Man (a male)	wk	week, work, weak
Eng.	engineer	pgm	program	wrp	weather report
equip	equipment	POD	path of darkness	WX	weather
es	and	pop	popular (music)	xmsn	transmission
exc	except, excellent	PP	Portuguese, Portuguese-	xmtr	transmitter
exp FB	experimental fine	nron	speaking	xtal YL	girl or unmarried woman
FBIS	Foreign Broadcast	prop	propagation please	Z	Zulu (or GMT) time
. 5,0	Information Service	PTP	point-to-point (type of utility	_	best regards, or more
	official US monitoring		transmission)		generally, goodbye
	agency)	QRA -	address	88	love and kisses
				200 200	



catch enough for a delicious meal for the family. Or the fisherman might be after a fish he has no intention of eating; a trophy he can mount and proudly display on his den wall.

DXing is like going after the trophy fish, not for a practical reason, but for the thrill and enjoyment of succeeding in "landing" a hard to hear SW station.

Just as both motivations are at work. at various times and under various situations, in the fisherman, most listeners combine a bit of the SWL and the DXer in their listening activities.

So far I've concentrated mostly on matters of interest to the program listening SWL. Let's look now at some of the additional aspects that are involved in hunting the harder to hear SW stations.

Probably the first thing to point out to the listener who thinks it might be fun to look for the tougher-to-log stations on shortwave is, after all, obvious.

DX stations are harder to hear because, as a result of conditions of reception, they are not there every day. Thus, DXing takes persistence and effort. What a DX SW listener comes up with when band conditions are right depends, to a considerable extent, on his preparation and background information, the know-how stored away which can be applied to the given listening situation.

Keeping Track. Begin by storing up info about the shortwave bands themselves. Most of the rarer DX stations will be found on the lower frequency "Tropical" bands, below 6,000 kHz.

I suggest you begin with the 60

meter band, a good place to hunt the harder-to-hear DX signals during your hours of darkness, plus late afternoons and early mornings.

Regularly patrol frequencies from around 4,750 to 5.060 kHz. Spend many hours doing this. Learn which stations are normally heard. Identify as many of them as you can. Can you, at any particular time, cruise (that's the word professional government SW monitors use) the band and, with a fairly high degree of certainty, know the identity of all the stronger signals?

The secret in finding DX stations not previously logged by you is to be able, quickly, to sort them out from the "regulars" on the band.

When you know the regular inhabitants of a band, you'll quickly spot the unusual one on those occasions when propagational factors for that station's reception are just right.

It is, in fact, a matter of being at the right place when SW conditions are right, and being alert enough to spot the "odd" stations among the normally heard ones.

After you have become very familiar with 60 meters, then gain familiarity with the other bands in the same way.

I've talked about being on-the-spot when reception conditions are just right for a certain station, or a certain part of the world. We aren't able, to any high degree of accuracy, to predict just when normally difficult to hear stations in, say, India or East Africa or southern South America or Indonesia. will be favorable.

That uncertainty, never knowing just

when the time is right to bring in low powered, distant, hard-to-get stations, is what adds the element of suspense to the challenge of DXing.

But we can come up with some broad predictive approaches that can help. For instance, in the eastern and central parts of North America, your best opportunities to hear the many domestic Indonesian shortwave stations may come in early fall and early spring. Even though we generally think of winter as being prime months for DXing on shortwave-and midwinter may well be for stations in India and Pakistan-excellent reception from Africa and South America may be noted during the summer in much of the U.S. and Canada.

Those are just some broad clues. You should develop your own records, from year to year, keeping track of patterns of good reception from areas of the world that interest you in your quest for DX signals.

Concentrate then on certain hard-tohear stations that you'd like to log.

Compile a list of about 10 stations you'd like to hear. Minimum information would include the frequency and time when others in your area are hearing it. (For this reason, it is especially helpful to join a DX club to share "tips" with other listeners.) Add any additional information you can come across about the schedule, the station's sign-on, sign-off times. Does it play an identifying interval signal tune before sign on? Languages used? Is there an especially favorable time "window," when normally interfering stations on the same frequency are off the air?

Don't let your imagination run away with you, of course, but if you know what sort of programming to expect. you're better prepared to spot the DX stations when favorable reception conditions make it audible.

Foreign Languages. When you tune for the more difficult stations, you will be looking for many which broadcast little or no English language programming.

That notion scares off some listeners, but it need not concern you overly. Minimally, you should be able to at least distinguish, by sound, the major languages of the world, Spanish, Portuguese, French, German and Arabic. You should be able to recognize tonal Asian languages, such as Chinese.

Foreign languages should not sound alike to you. And if you begin to listen carefully, you'll soon discover that

This is the home of the British Broadcasting Corporation, better known as Broadcasting House in London, England.



WHERE TO DX FOR WHAT

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

kHz	Type of DX	kHz	Type of DX
Below 540	Utility, broadcast	10000-11700	Utility
540-1605	Broadcast	11700-11975	Broadcast
1605-1800	Utility	11975-14000	Utility
1800-2065	Amateur, utility	14000-14350	Amateur
2065-2300	Utility	14350-15100	Utility
2300-2500	Broadcast, utility	15100-15450	Broadcast
2500-3200	Utility	154 50 -17700	Utility
3200-3400	Broadcast, utility	17700-17900	Broadcast
3400-3500	Utility	17900-21000	Utility
3500-3900	Amateur, utility	21000-21450	Amateur
3900-4000	Amateur, Broadcast, utility	214 50 -217 5 0	Broadcast
4000-4750	Utility	21750-25600	Utility
4750-5060	Broadcast	25600-26100	Broadcast
5060-5950	Utility	26100-26960	Utility
5950-6200	Broadcast Broadcast	26960-27230	СВ
6200-7000	Utility	27230-28000	Utility
7000-7100	Amateur	28000-29700	Amateur
7100-7300	Amateur, broadcast	29700-30000	Utility
7300-9500	Utility	Above 30000	Utility, amateur,
9500-9775	Broadcast		broadcast (TV, FM)
9775-10000	Broadcast, utility		

there is a world of difference in the "sound" of Spanish and Russian, or Japanese and French. It shouldn't—and won't—be all "Greek" to you.

Of course there's a big difference in recognizing the languages you hear spoken on SW radio, and translating those programs. In fact, it's unlikely that you will ever become linguist enough to become fluent in many of the languages you hear. Perhaps you will be proficient in none but your native tongue.

Still, to at least be able to identify the stations to which you're listening, you may never need to know more than a sprinkling of words in each language.

If you wish to learn a language well, you will probably have to invest time and effort and money, perhaps, in formalized schooling. But if that is a route you decide to take, the programs you hear on the shortwaves will give you excellent practice with your language studies. Some stations even broadcast language lessons to help you learn their language.

Most veteran, serious DXers, however, manage to pick up just enough of the various major languages to help them identify the stations they are listening to.

How to Get QSL's. Both shortwave listening and DXing enthusiasts seem to enjoy QSLs, though perhaps DXers are more into this aspect of the hobby.

QSL? It is another one of those old terms, dating back to the early days of radio, borrowed from the "hams."

A QSL is a confirmation or verification of a reception. Simply put, you hear station A. You write a letter to the station informing the staff that you heard them on such and such a frequency, at a certain time on a certain date. You provide some details of what you heard, so as to establish your reception. In return, the station will send you a reply, an attractively designed QSL card, or letter, confirming your reception. You collect and, perhaps, display the QSLs you receive from as many stations and countries you can hear.

But it isn't quite that simple in practice.

Most of the major shortwave broadcasting stations of the world will reply by letter or card to listeners' letters. But in recent years, many stations have been deluged with requests for QSLs from the tens of thousands of new SWLs around the world, but particularly in Japan.

So some stations have limited their QSLing efforts of necessity. Radio Canada International, for instance, sends out a blank card with its schedule, once a year. Listeners fill in the attractive card and send it back to RCI. Correct reporting cards are stamped and validated as accurate, and are returned as a QSL to the listener. Other stations

have their own approaches which still permit SWLs to verify their operations, but make things easier and less costly for themselves.

Some shortwave listeners have turned their backs on the practice of seeking stations' QSLs. It costs a good bit of money to mail out airmail reports to overseas stations, they note. And it takes time to write the letter reports, time they'd rather spend listening. Who needs a bit of paper from the station, they say.

They do have a point. I can appreciate their feelings, but being from the "old school" of DXing, I still get a considerable thrill when I find a QSL reply from a station in my mailbox, nearly as big a "charge" as when I first heard that station on the air.

The question of whether you want to seek QSL replies from the stations you hear is purely a personal one, to be decided by each listener for himself.

The greatest difficulty for the listener who enjoys receiving QSL verifications from the stations he hears and reports is learning to be patient. Even with airmailed reports, it may take one month, two, three or more to get a reply. With some of the DX stations it may take several, even many tries, to get a reply.

The harder-to-hear stations, those involved in broadcasting to home audiences rather than foreign listeners—that is, us—are less likely to answer a request for a QSL promptly—or at all. Some of these DX stations, perhaps, don't even know why a foreign listener wants to receive their reply by mail; they don't under stand what our hobby is all about.

So collecting QSLs is, in itself, something of a challenging pastime, even after you've managed the challenge of tuning a "tough" SW catch.

It should be remembered that no station "owes" a QSL or verification reply to a listener. Stations generally do so out of courtesy—and so, they should be treated with the same sort of courtesy. Politeness, when writing your reception report, is a must. Ask, but never demand that your letter be replied to with a QSL.

Your reception report should include some basic elements: the frequency you tuned, time, date, program details heard, conditions of reception, plus any personal comments you might care to make.

State the frequency on which you hear the station. Some stations use a number of different frequencies simultaneously, so it is necessary to indicate in your report which one you heard.

If your receiver has accurate fre-



Asia

Europe

COMMUNICATIONS WORLD



WHEN TO TUNE FOR FOREIGN BCB DX

Eastern North Ameirca

year around, winter best

year around, winter best

Station Location Central America Caribbean area South America (Northern) (Southern) Australia / New Zealand

year around, winter best spring, summer, fall spring, fall fall fall, winter Africa (Northern) fall, winter (Southern) spring

Western North America year around, winter best year around, winter best

year around, winter best summer spring fall, winter winter winter unlikely

quency readout, you'll know the frequency, of course. With English language programming, more than likely the announcer will indicate the frequency or frequencies being used at the time you're listening. If you have a receiver without accurate readout, simply do the best job you can in estimating the correct frequency if it is not announced.

24-Hour Clock System. Indicate the time period of your reception. The Number 1 rule here is to always use the 24-hour clock system. Use Greenwich Mean Time (GMT) references, the universal time standard of SW listeners and broadcasters alike.

You may, if you wish, also indicate reception times in terms of the station's own local time. The COMMUNICATIONS WORLD time chart should help you to compute it.

The 24-hour clock system is not

hard to understand, but it takes a bit start of the next 24-hour day).

One minute past midnight = 0001; a minute before one a.m. = 0059.

Nine a.m. would be 0900. The prefix "0" is added to make the standard four-digit time reference.

A minute before noon is 1,159.

1:15 p.m. is 1315; 4:20 in the afternoon is 1620.

24-hour system as 2147; a minute before midnight is 2359.

The reference point for the interna-

of use to become readily familiar with its approach. The system does away with a.m. and p.m. designations, noting morning hours, from midnight to noon, as 0000 to 1200 hours, and afternoonnight hours, noon to midnight, as 1300 to 2400 hours (the latter, 2400, being exactly equivalent to 0000 hours, the

Here are some examples:

9:47 p.m. would be stated in the



Gordon Pilling, Hounslow, England, is a ground technician at London's Heathrow Airport, and an avid shortwave listener and traveler.

tional GMT (Greenwich Mean Time) system, also called "Z" or "Zulu" time by the military, is the Greenwich or "0 degree" meridian of longitude, running through Great Britain. Time references elsewhere in the world are either plus or minus a certain number of hours from GMT.

Eastern Daylight Time, summers in North America, for instance, is GMT minus 4 hours. Or to look at it another way, if your local time is EDT, just add 4 hours to get the GMT equivalent. To convert Eastern Standard Time (or Central Daylight Time) to GMT, add five hours. To get the GMT equivalent, add six hours to CST or MDT; seven hours to MST or PDT; or eight hours to PST.

Again, our chart should provide some additional help in converting to GMT from your local time. But here are some examples:

• You live in Miami and your time, on Jan. 1, is 5 p.m. EST locally. The GMT equivalent is 5 p.m. plus five hours, or 10 p.m., which is expressed in the 24-hour system as 2200 GMT.

• You live in St. Louis and your time, on June 30, is 11:30 a.m. Central Daylight Time on your home clock. That's equivalent to 11:30 plus five hours, or 4:30 p.m., which is 1630 GMT using the 24-hour clock system.

• In Denver it is three minutes past midnight, August 30. Davlight savings time-MDT-is, of course, in effect. What is the GMT equivalent? 12:03 a.m. plus six hours or 6:03 a.m., stated as 0603 GMT.

• In San Diego, California, on Pacific Standard Time during the winter months, the local clock time is 6:45 p.m. To that we must add eight hours to get the GMT equivalent-2:45 a.m. the next morning GMT, or 0245 GMT.

In cases such as this, during the North American evening hours, it is already the next day at the Greenwich Meridian. Thus it is important to remember-as with the various broadcasting schedules of the stations which I listed earlier-that when there is a reference to, say, a Tuesday program at 0300 GMT, it is actually a Monday night in North America.

Yes, it all sounds confusing at first. But spend a little time practicing converting time to and from GMT. You'll soon grasp it firmly. The beauty of the whole system is that it simplifies time references for users around the world. For after all 10 p.m. in Montreal; 5 p.m. the late afternoon of the same day in Honolulu; 6 a.m. the next day in Moscow and 3 o'clock THAT afternoon in New Zealand can all be converted

WORLD TIME BY COUNTRIES

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

Afghanistan	+41/2	Costa Rica	6	Lebanon	1 2	Somali Rep.	1.2
	+472		<u></u> 5		+2		+3 +2
Alaska	0	Cuba		Liberia	$+3\frac{3}{4}$	South Africa	+2
Juneau	8	Cyprus	+2	Libya	+2	Spain	+1
Anchorage	<u>_10</u>	Czechoslovakia	+1	Luxembourg	+1	Sri Lanka	$+5\frac{1}{2}$
Aleutians	-11	Dahomey (Benin)	+1	Malagasy Rep.	+3	Sudan	+2
Albania	+1	Denmark	+1	Malawi	+2	Surinam	-31/4
Algeria -	0	Ecuador	<u>5</u>	Malaysia	+71/2	Sweden	+1
Argentina	<u>-4(-3)</u>	Egypt	+2(+3)	Maldive Is.	$+5\frac{1}{2}$	Switzerland	+1
Ascension Is.	0	El Salvador	+2(+3) -6	Mali	0 2	Syria	+2(+3)
Australia	3			Mauritania	ŏ	Tahiti .	-10
Eastern	+10	Ethiopia	+3	Mauritius	+4	Tanzania	+3
Central	+91/2	Falkland Is.	-4(-3)	Martinique	_4	Thailand	+7
Western	+8	Fiji Is.	+ 12	Mexico	6	Togo	Ő
Austria	+1	Finland	+2	Monaco	+1	Tunisia	+1
Azores	<u>i</u>	France	+1		10	Turkey	+2
	_	Gabon	+1	Mongolia	+8	•	
Bahamas	 5	Gambia	0	Morocco	0	Uganda	+3
Bahrain e	+4			Mozambique	+ 2	Upper Volta	0
Begium .	+4 +1	Germany	+1 0	Nepal	+5.40	Uruguay	3
Bermuda Programme Bermuda Prog	_4	Ghana		Neth, Antilles	_4		
Bolivia	4	Gilbert Is.	+12	New Caledonia	+11	USA	
Botswana	+2	Great Britain	+1	New Guinea	+10	Eastern	<u>5(4)</u>
Brazil	_	Greece	+2	New Hebrides	+11	Central	<u>—6(—5)</u>
Eastern	-3(-2)	Guam	+10	New Zealand	+12	Mountain	7(6)
Central	4(3)	Guatemala	6	Nicaragua	6	Pacific	<u>8(7)</u>
Western	<u>-5(-4)</u>	Haiti	5	Niger	+1		
Brunei	+8	Hawaii	10	Nigeria	+i	USSR	
Bulgaria	+2	Holland	+1	Norway	+1	Moscow	+3
Burma	+61/2	Honduras	<u>5(6)</u>			Baku	+4
Burundi	+2/2	Hong Kong	+8(+9)	Pakistan	+5	Sverdlovsk	+4 +5
		Hungary	+1	<u>Pànama</u>	<u>_5</u>	Tashkent	+6
Cambodia	+7			Paraguay Paraguay	_4	Novosibirsk	+7
Cameroun	+1	Iceland	1(0)	Peru	5	Irkutsk	+8
Canada		India	$+5\frac{1}{2}$	Philipipnes	+8	Yakutsk	+9
<u>Atlantic</u>	4(3)	Indonesia		Poland	+1	Khabarovsk	Ŧĭo
Eastern	<u>5(4)</u>	West	+ 7	Portugal	+1	Magadan	+11
Central	<u>6(5)</u>	Central	+ 8	Qatar	+4	Petropavolvsk	+12
Mountain	7(6)	East	+9			Andyr	+13
Pacific	-8(-7)	Iran	$+3\frac{1}{2}$	Reunion Is.	+4	Allayi	+15
Yukon	9(8)	traq	+3	Rhodesia	+2	Vatican	+1
Canary Is.	0	Israel	+2	Rumania	+2	Venezuela	+ 1
Cape Verde Is.	<u>_2</u>	Italy	+1(+2)	Rwanda	+2	Vietnam	The second secon
Cent. Afr. Rep.	+1	Ivory Coast	0	Ryukyu Is.	+ 9		+7
Chad	+î	Japan	+9	Sabah (Malaysia)	+8	Windward Is.	4
Chile	4	Jordan	+3	Sarawak (Malaysia)	+8	Yemen	+3
China	•			Senegal	T 0	Yugoslavia	+1
West	+6	Kenya	+3	Seychelles	+4	Zaire	
East	+8	Korea	+ 9	Sierra Leone	T 0	West	1.1
Colombia	_5	Kuwait	+3	Singapore	+71/2	East	+1 +2
Cook Is.	$-10\frac{1}{2}$	Laos	+7	Solomon Is.	+11	Zambia	+2
300K 13.	10 /2	LUVU	Τ,	QUIVIIIVII 13.	111	Lailivia	+4

to a standard reference time: 0300 GMT.

When local time references and a.m./ p.m. go out the window, everything gets a bit simpler in international communications.

If a station is to actually confirm, by QSL, that you heard its programs, it is essential that you include in your reception report enough details of what you logged to establish that fact.

Include with your report a summary, but a detailed summary, of the broadcast items you noted. Your reported reception period should be at least 15 minutes long, though a half hour or more is much better. It also shows that you had enough interest in the station's programs to stick around for a while.

Here are a couple of examples of reporting logging details:

0300-0301 GMT-Station identification:

"You are listening to the North American service of Radio XYZ."

0301-0303 GMT-Program preview. Mention by announcer of a Listeners' Letterbox program in one half hour's time.

0303-0310 GMT-Woman reading newscast. News items included reports on UN debate, fighting in Afghanistan, Bolivian election, etc.

0310-0325 GMT—Program of folkmusic, with guitar and accordion, and a woman's chorus singing. No announcements during the program.

Now here's another way—the wrong way—an SWL could have reported the same loggings:

0300 GMT-Identification.

0301 GMT-Talking by man, then by woman.

0310 GMT-Music.

Obviously, those details are so vague

and sketchy that they could apply to any number of stations. Surely they don't prove to the station that you were tuned in to their programs.

Report enough programming details which you hear to establish your reception. Only then does your reception report justify a QSL!

Signal Quality. Along with program details, you should report to the station just how well it was received.

Okay, with the big international stations, those which get many thousands of reports from listeners each year, they already have a good idea how their signals are getting through in North America. Some stations also have their own professional monitors overseas to report back reception quality.

Still, sometimes your reception notes might be helpful, particularly if you've noted some transient problem with their

transmitting operation, or some special interference in your locality from another SW station.

With the stations which receive fewer reception reports, your signal report may be of real help in knowing how their programs are being received. On occasion, even stations whose programs are intended for their domestic listeners are interested in knowing that their signal is making it halfway around the world.

What sorts of technical aspects should you include?

Certainly stations care how strong their signal is where you're listening: strong, moderately strong, fair, weak or very weak.

How about interference? Even with a strong signal, the station is losing its battle to get listeners if there is enough interference to prevent intelligibility. What type of interference is it? Atmospheric (static), called QRN by hobby listeners? Man-made, called QRM? QRM might be from other stations on the same or adjoining frequencies. It might be from passing-auto ignition noise, a "leaky" powerline, your neighbor's electric razor, etc.

Fading is another technical factor in reception. Did the strength of the signal vary up and down, was the signal easy to hear one minute, but much weaker the next? Fading is caused by fluctu-

ating propagation factors. Fading can be rapid, fluttery, which is often an indication the radio signal is reaching you via transit through a polar region. Fading may be slow and cyclical. A signal may be strong at the outset of your listening, but gradually fade out entirely. Or it may be weak when you tune in, but increase in strength to a good level, easily readable.

Finally, considering all thesestrength, atmospheric noise, man-made interference and propagational factors like fading, give an estimate of the overall signal quality—poor, fair, good?

SINPO. A special reporting code covering these aspects has been devised. It is called SINPO, which stands for the five factors just mentioned—Strength - Interference - Noise - Propation-Overall. Interference means manmade QRM; noise signifies QRN static. Each element is rated on a scale from 1 to 5. A perfectly received station would be rated SINPO 55555.

A signal with only fair strength, but with only slight noise and interference and moderate fading, for example, could be rated as SINPO 34433. SINPO is a handy way to give a concise report of signal quality in your report. However, generally speaking, only the large, major international broadcasters are familiar with the code.

What extras can you include in your

letter report to a station? Some information about your receiver, so the station staff can evaluate the quality of reception. Stations always like to know something about their listeners. Tell them about yourself, and your program likes and dislikes. They want to know what you think of their programming.

Finally, as you end your reception report to the station you've heard, politely ask that your report be verified with a QSL card or letter.

If the program you heard was in English, obviously your reception report can be written in English. Generally, most of the major international broadcasters have staff members that know English.

This probably isn't true of most of the stations not specifically beaming programs in English to overseas audiences. Most of the lower powered Spanish and Portuguese speaking stations of Latin America, and a goodly number of those in portions of Africa where French is a major language, should be written to in those languages.

You may be able to find someone who can translate your letters for you. This may not be too difficult in a college town. Perhaps even a high school student with a couple of years of foreign language can help out.

Some hobby clubs have form reports, with instructions on using, in several languages. With virtually no ability in French, Spanish or Portuguesse, using these reports, you may be able to come up with a decent and understandable report for those stations.

Finally, mail your report to the station. The best method, for reasons of time, is via airmail—31 cents per half ounce to most of the world, 25 cents per half ounce to Central America, the West Indies and the northern part of South America.

Some stations require return postage, especially if you want a speedy airmail reply. One way to provide return postage (nautrally mint U.S. stamps can't be used to mail a letter from a foreign country), is by International Reply Coupon, available for 42 cents each at your U.S. post office. One is exchangeable at foreign post offices for sufficient stamps of that particular country to mail a letter by means of ordinary scamail. Several IRCs are needed to pay the postage on an airmail reply.

Some stations insist on return postage, many of the larger, government operated stations do not. It is a nice gesture, though, and may improve your chances of getting a reply.

Where should you send your report?

I included addresses of some of the



Robert Neal, Courtright, Ontario, Canada, says he is a newcomer to the SWLing scene, but his Philco console has been around for a good many years and "still works well." Of course, he tends to rely more heavily on his SONY ICF6800W. The amateur bands are of special interest to him, particularly the Hurricane Net (see text).

stations mentioned earlier in this CW. For other addresses and a wealth of general information about stations worldwide, I recommend the annual World Radio TV Handbook, the so-called bible of SWLs. Another useful book is the QSL Address Book, by Gerry L. Dexter, which contains addresses, but much less general station information, and costs about one-third the price of the WRTH volume.

Both books are hardled by Gilfer Associates Inc. (P.O. Box 239, Park Ridge, NJ 07656). You may write for a price list of these and other SWL items.

Other Types of DX'ing. While I've focused on shortwave listening so far, there are other aspects of the listening hobby that intrigue many.

One popular facet is what DXers call Broadcast Band DXing, or BCB. The broadcast band, in this case, means your good ol' AM band, ordinary medium wave radio—540 to 1600 kHz.

Maybe you've never given much thought to this everyday band as a place for your DX listening. But there are great challenges in hearing far-off signals.

But distance isn't everything. It's a good bet that, for most North American listeners, it is considerably easier to hear Moscow on shortwave than it would be to tune in Moscow, Idaho, KRPL, on 1400 kHz; or shortwave's



Here are three typical examples of the attractive QSLs sent out by shortwave broadcast stations. Radio Canada International, Radio Mara, Venezuela and Voice of Leso tho.

Radio Berlin International in East Germany, than WBRL. Berlin, New Hampshire, on the same 1400 kHz frequency.

Not all of the channels in the medium wave band are the same. There are three broad categories of stations assigned to these frequencies.

First there are the *clear channel stations*, operating on just 24 of the frequencies in the U.S.—640-670, 700, 720, 750, 760, 780, 820-840, 870-890,

1020-1040, 1100, 1120, 1160, 1180 and

ESOTHO NATIONAL BROADCASTING SERV

THE VOICE OF LESOTHO

Radio

ES

0

T

H

0

Stations on these frequencies, only a few (sometimes just a single outlet) stations on each, are high powered operations. They are designed to cover large areas of the country with minimal interference.

The second category of stations are the *regionals*. Stations on these frequencies—550-630, 790, 910-930, 950-980,

LANGUAGES OF THE WORLD

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

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

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

Jamaica New Zealand Nigeria Philippines Seychelles Singapore United States Windward Islands

French

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

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

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

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

Guinea, Equatorial Honduras Mexico Nicaragua Panama Paraguay Paru Philippines Spain Chile Venezuela

German Germany, East Germany, West Austria Switzerland

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





FOREIGN DX CLUBS

Just as there are in North America, there are hobby listening clubs around the world. Here are the addresses of a selected list of foreign DXing clubs which publish bulletins, at least part of or all in English. Write to these addresses for further information on membership fees, etc. Normally an international reply coupon or two is expected for a

AUSTRALIA-Australian Radio DX Club, P.O. Box 227, Box Hill, Victoria

Southern Cross DX Club, Box 336, GPO, Adelaide, South Australia 5001

NETHERLANDS-Benelux DX Club, P.O. Box 1306, Nijmegen 6800 DENMARK-Danish SW Clubs International, Greve Strandvej 144, DK-2670, Greve, Strand

FINLAND-The Friendly DX Club, P.O. Box 214, 00101 Helsinki 10 GERMANY-Worldwide DX Club, P.O. Box 1263, D-6380 Bad Homburg INDIA-Indian DX Club International, 26/1B, Northern Avenue, Calcutta

JAPAN-Japan Shortwave Club, P.O. Box 1665, CPO, Tokyo NEW ZEALAND-New Zealand DX Radio Association, 40 Craigleith St., N.E. Valley, Dunedin

New Zealand Radio DX League, P.O. Box 1313, Invercargill SOUTH AFRICA-South African DX Club, P.O. Box 145, Milnerton 7405,

SRI LANKA-Union of Asian DXers, 32/4a Malwatte Road, Dehiwala,

UNITED KINGDOM-World DX Club, 17 Motspur Drive, Northampton NN26LY



Broadcasting Building houses thhe studios and administration of Radio Beijing (Peking), China.

1150, 1250, 1330, 1350-1390, 1410-1440, 1460-1480, 1590 and 1600 kHz -serve statewide or regional audiences. They run less powerful transmitters, use antenna systems that "protect" other stations with which they share the channels. By judicious siting of these stations, and the "protection" mentioned, as many as 50 different regional stations can share each of the frequencies.

The third category of stations is the local variety. These are small, local service stations, They have rather severe limitations to avoid mutual interference. And they require those protective measures, since hundreds of stations share each of the only six local channels-1230, 1240, 1340, 1400, 1450 and 1490 kHz.

If your hometown local station-like Idaho's KRPL and New Hampshire's WBRL-happens to be on the 1400 kHz local channel, you probably will not experience interference from its many channel sharers. You're only a few miles or a few dozen miles from the transmitter. The local signal is strong and, during the daytime at least, dominates its frequency.

But if you are beyond local range of a station on one of these six channels, you'll find a great mixing of signals of various strengths, especially at night when distant BCB reception occurs. Generally, there is a bedlam on the six

local channels, with who knows which of the many stations dominant at any particular time.

The mass of mutual interference has given these few frequencies the nickname, "the graveyard" of DXing. Experienced BCBers, however, find the "graveyarders" the most fun and challenging to log.

As a beginner in tuning the medium waves, start out with the larger, easierto-hear clear channel stations. See how many stations in how many states you can log. Then turn your attention to the somewhat harder-to-hear regional outlets. For real challenges, try to hear local broadcasters a thousand miles away, or so.

With more than 5,000 stations in North America operating on the broadcast medium wave band, you've got plenty of targets for your tuning.

Foreign DXing on the medium waves? Sure! First of all there are our neighbors to the south-presuming that U.S. listeners already realize that there are Canadian stations to be heard, and Canadian listeners are familiar with Yankee outlets.

Mexico and Cuba are rather easy targets for North American BCB listeners, though programming is generally in Spanish-with some notable exceptions-some Mexican border stations that sound very much like U.S. operations, and English programming from Cuba, including a relay of Radio Moscow programs to North America.

You will also hear some other Spanish speaking stations from Central America, and northern South America, Venezuela and Colombia especially.

Tougher, but possible to hear with listening experience and good equipment, are deeper South American stations on medium wave.

In the eastern half of the U.S. transatlantic AM medium wave reception is not that uncommon. European stations in the United Kingdom, France, Germany, Spain and Portugal among the most likely, plus a few African outlets.

On the western coast and inland, at least to the Rockies, it is often possible to hear rather strong Asian signals on the BCB, including stations in Soviet Asia, Japan, China and Korea. Hawaiian stations are also heard, plus, with greater difficulty, Australian and New Zealanders.

One major reason transpacific and transatlantic reception is possible in North America is the fact that they use different frequencies than do our sta-

Innermost (of the rest of the world), stations are separated by 9 kilohertz. At the moment, western hemisphere

Here's how to turn your hobby into a rewarding career.

Patterns shown

on screens are simulated.

If you spend your spare time tinkering with electronics, you must enjoy it. And, you've probably learned quite a bit. Now there's a way to change a part-time interest into a full-time career. You can do it in your spare time, too, at home without giving up your present job and its income.

Find out now about CIE-Cleveland Institute of Electronics independent home-study courses in electronics. With this specialized technical training, you can prepare for a challenging, rewarding future in electronics. Think of the career opportunities . . . computers, aerospace, 2-way radio communications, radio/TV broadcasting, medical electronics, to name just a few.

And all you need to do to qualify for one of these exciting career fields is to build upon the technical aptitude you already have. Just put your hands and your head to work with a CIE Electronics Career Course.

You learn by doing

CIE's unique study methods do a lot to keep you interested. Since electronics starts with ideas . . . CIE's Auto-Programmed® Lessons help you get the idea — at your own most comfortable pace. They break the subject into bite-sized chunks so you explore each principle, step by step, until you understand it thoroughly and completely. Then you start to use it. In some CIE courses, you'll perform "hands-on" experiments and tests with your own CIE Personal Training Laboratory. And, if electronics trouble-shooting is your main interest, you can select from several courses that involve working with and trouble-shooting professional electronics equipment. This equipment (including a Zenith color TV, triggered-

sweep oscilloscope and a solidstate color bar generator) is part of the course and yours to keep. This combination of "head and hands" learning locks in your understanding of the crucial principles

you'll use on the job in your new career. But, don't kid

Electronics is not an "easy" science and CIE courses are not "snaps." Subject matter is technical, thorough, and challenging. It has to be. We're training you for a career. So the presentation of ideas is logical, written in easy-to-understand language . . . you progress step by step, at your own pace.

Why an FCC Radiotelephone License is important.

For some jobs in electronics, you must have your FCC License. For others, employers often consider it a mark in your favor. It's a government-certified proof of specific knowledge and skills!

In continuing surveys, nearly 4 out of 5 CIE graduates.

In continuing surveys, nearly 4 out of 5 CIE graduates who take the exam get their Licenses. More than half of CIE's courses can prepare you for it . . . and the broadest range of career opportunities!

Free Catalog!

Mail the coupon. If you prefer to write, mention the name of this magazine. We'll send you a copy of CIE's FREE school catalog — plus a complete package of independent home-study information! For your convenience, we'll try to have a representative call to help you with course selection. Mail the coupon ... or write: CIE, 1776 East 17th Street, Cleveland, Ohio 44114.



	Cleveland Instit			Ī
	Accredited Member	er National Home Stu	dy Council	
	alog — including details abou	ut FCC License pre	eparation - plus my	y FRE
package of home Print Name	e-study information!			
Print Print	e-study information!		Apt.	
Print Name	e-study information!	State		

stations are on a 10 kHz separation; 540, 550, 560, etc., up to 1600 kHz.

Elsewhere, frequencies such as 549, 558, 567, 576 . . . 1557, 1566, 1575, 1584, 1593 and 1602 kHz, are the norm. It's clear, then, that in North America, many foreign broadcasting operations fall between the "cracks" of our 10-kHz-spacing, and with a good receiver, with excellent selectivity, and enough listening skill, it is possible to hear these signals.

BCBers are seriously worried about a pending proposal that would shift North American stations to a 9-kHz spacing too. This would cause much of this "split frequency" foreign BCB DX to be lost from the effect of powerful domestic signals.

For those interested in learning more about medium wave BCB listening, there are two hobby clubs (check the COMMUNICATIONS WORLD club listing), the National Radio Club, and the International Radio Club of America, which specialize exclusively in this phase of DXing.

There are also DXers who do their tuning on the TV channels and FM fre-

quencies, for that too can be a challenge, though perhaps even less predictable than SW or BCB listening.

Via various propagational phenomena, sporadic reflection of these higher frequency (VHF) signals from the ionospheric "E" layer, weather-related tropospheric bending and several other rarer aspects, it is possible to view TV signals, hear FM broadcasters from several hundred to well over a thousand miles away.

The greatest distance is generally noted on the lower TV channels, 2 through 6, though only rarely over about 1,500 miles or so. Shorter haul reception, though, is likely on channels 7 through 13, and on the UHF channels. The same conditions that bring in distant television signals also will provide "sometimes" reception of the FM broadcasters in the 88 to 108 Megahertz frequency band.

The Worldwide TV-FM DX Association (see club list) specializes in this particular phase of the DX hobby, for those interested in more details.

Potpourri. So far we delved into program listening on the shortwaves and

some basic aspects of the fascinating hobby of DXing!

There are so many "angles" to our hobby that it is, literally, impossible to cover everything in just one magazine (which, of course, is why I recommend you collect and save your COMMUNICATION WORLD annuals for future reference).

Let's look now at your specific interests as we narrow our focus on your comments and questions about the DX hobby.

First a question—and a rather broad one at that—from a CW reader, C. W. Murphy of Baltimore, MD.

"I'm a newcomer to shortwave listening," writes C.W. "but I've read that SW is old fashioned, is dying out, and will be replaced before long by satellite communications. True?"

Well, C.W., we've been hearing that "story" for well over a decade, yet the use of shortwave for communications continues to grow.

Among the major developed nations of the world, it's true, satellite communications are taking the place of much of the point-to-point shortwave links. If you'll remember the basic divisions I mentioned earlier, these sorts of SW operations are non-program type



Pierre I. Nimax, Staunton, VA, has been a DXer for over 25 years, he notes. An electronics buff, he has built much of his equipment, some from kits, some self-designed. "As a shortwave enthusiast," Pierre says, "I have logged and QSLed stations including Kuwait, South Africa, Finland, Japan and Australia."

"utility" communicators, radiotelephone, radioteletype, etc., etc.

And as far as shortwave broadcasting stations, that's growing too, in terms of numbers of transmitters and power of stations. There is no indication so far that for the shortwave broadcast program listener there will be any diminishing of stations to tune for at any time in the foreseeable future.

Eventually, perhaps, satellites will make inroads in SWBC operations, but that seems far off. For years, SW will represent the most effective and most economical way for broadcasters to get their programs to distant listeners.

John Parmenter, Elko, NV, queries in the same vein, but he is looking to the immediate future:

"What can SWLs look forward to in the next year or two or three," writes our Nevada reader.

I'm hesitant to go out on a limb with a lot of specifics, for prediction is a tricky game to play. In the short run, though, it is possible to check out where we are today, and move those developments along into the months ahead, perhaps to a couple of years.

For SWLs there are some good things in store, it seems to me. Already the equipment picture—especially when it comes to shortwave receivers—is so much better than it was a few years ago.

The big reason for the change has been the entry of Japanese manufacturers into the receiver market. There is now quite a choice of listening gear, and it seems, more to come! In fact, things are coming so fast that the technological breakthroughs of just a few years ago—such as the famed Wadley loop circuitry which brought accurate frequency readout to lower priced receivers—is fading from the scene.

The wonders of integrated circuit "chips," that can pack a whale of a lot of technology in just a tiny component, have resulted in "thinking" receivers with a "memory." Look for more receiver models without the traditional dial tuning, sets on which you punch in the desired frequency, just as you'd enter numbers on a pocket calculator. And look for more sets with "memories" which you can pre-set to a series of desired frequencies for instant recall of your favorite stations.

These features already exist in sets on the market today. In the next couple of years, you should see them in even lower priced gear.

Look too for changes in antennas. The trend, indicated by what already is becoming available, is to smaller, much more compact shortwave antennas.

RADIO CLUBS YOU CAN JOIN

One of the best ways to keep up to date on what is happening in the world of DXing and shortwave listening is by joining a radio hobby club. There are many such clubs in North America, a few major organizations, quite a few little ones. Unfortunately, many of the fledgling clubs that seem to be continually springing up around the country, soon fade away and die, as the interest of the organizers dwindles, usually because the volunteer labor needed to run a club successfully is quite substantial.

Therefore, we recommend only those clubs affiliated with the Association of North American Radio Clubs (ANARC). ANARC, founded in 1964, is an umbrella organization of major radio clubs, uniting these hobby associations in a loose confederation.

The clubs affiliated with ANARC, because of restrictions placed on membership, tend to be more stable. In fact, some of the well-established hobby clubs date back as far as the 1920s and 1930s; a good track record for longevity.

The national headquarters of ANARC is 557 North Madison Avenue, Pasadena, CA 91101. There are 15 clubs with full ANARC membership; some eight others which are smaller (less than 50 members) or newer (in existence less than 6 months), are accorded associate status.

- American Shortwave Listeners Club: 16182 Ballad Lane, Huntington Beach, CA 92649. Forth-eight page bulletin, SWL published monthly. Covers SWBC, utility DXing, QSLs, time index of programs, propagation information. Membership details and sample copy, \$1.
- Association of Illinois DX'ers: P.O. Box 94672, Schaumburg, IL 60194. AIDX Journal, the club's monthly publication, covers shortwave and medium wave activities, with the emphasis on the former. Membership details and sample bulletin for a stamped, self-addressed envelope in North America; 2 international reply coupons overseas.
- Atlantic States DX Association: 1137 East 12th Street, Brooklyn NY 11230. Publishes a monthly bulletin, ALB, covering loggings of stations on the east coast, English language broadcasts, QSLs, propagation information. Membership details and a sample bulletin, 75¢ in North America, 3 IRCs overseas.
- Canadian International DX Club: 169 Grandview Avenue, Winnipeg, Manitoba, Canada R2G 0L4. The bulletin, *The Messenger*, published monthly, covers most DXing aspects, SW, MW, amateur radio, FM-TV, QSLs, clandestine stations, and a "forum" for in-print discussions by members. Membership details and sample bulletin, 40¢ in North America, 4 IRCs overseas.
- Canadian SWL International: P.O. Box 142, Thunder Bay, Ontario, Canada P7C 4V5. Approximately 40 pages in length, the bulletin, CANDX is published monthly. It covers SW and utility listening. Membership information and sample bulletin, \$1/ or 3 IRCs worldwide.
- Club DX Quebecois: P.O. Box 421, Ancienne Lorette, Quebec, Canada G2E 4W6. Its monthly publication, *Echo DX* is in the French language and covers SW, MW and utility DXing topics. Information about membership and a sample bulletin, \$1 or 3 IRCs worldwide.
- Club Ondes Courtes Du Quebec: Case Postale 267, Gaspe, Quebec, Canada G0C 1R0. Also published in French, the monthly bulletin, L'Onde covers medium wave, utility and SWBC and amateur radio listening.
- International Radio Club of America: P.O. Box 21074, Seattle, WA 98111. This club devotes its bulletin exclusively to coverage of foreign and domestic AM medium wave BCBing, plus data on stations, equipment and events in the broadcasting industry. Its bulletin, DX Monitor is published 34 times a year, weekly during the heart of the DXing season. A sample copy and membership information, 50¢ or 3 IRCs.
- Longwave Club of America: Box 33188, Grenada Hills, CA 91344. The club's bulletin, *The Lowdown* is published monthly and, as its name indicates, covers DXing on frequencies below 550 kHz; plus the 1750 meter band. Membership information and a sample bulletin, a stamped self addressed envelope or 2
- Miami Valley DX Club: c/o Dave Hammer, 4666 Larkhall Lane, Columbus, International Reply Coupons.

OH 43229. The club's bulletin, *DX World*, published monthly, covers all DXing bands, but emphasizes the shortwaves. Membership information and a sample bulletin, 50¢ in North America, 5 IRCs overseas.

• National Radio Club: Headquarted in Louisville, KY, but requests for information and sample bulletin (60¢) should be sent to NRC Membership Center, P.O. Box 118, Poquonock, CT 06064. This club, founded in 1933, covers medium wave (BCB) exclusively. Its bulletin, DX News is published 32 times a year, weekly in season.

(Continued on page 40)

COMMUNICATIONS WORLD



RADIO CLUBS YOU CAN JOIN

(Continued from page 39)

- Newark News Radio Club: P.O. Box 539, Newark, NJ 07101. Another pioneer club, NNRC was founded in 1927, and covers SW, MW, ham band listening, utilities, FM, TV, CB and tapesponding. Its bulletin, NNRC Bulletin is published monthly. There is no fee listed by ANARC for this club's sample bulletin. A stamped, self-addressed envelope should be enclosed with membership information requests.
- North American Shortwave Association: P.O. Box 13, Liberty, IN 47353. This club covers shortwave broadcast DXing exclusively, with logging reports, QLS data and other information on stations and SWLing. Its bulletin, FRENDX is published monthly. Membership information and a sample bulletin, \$1 in North America, \$2 or 10 IRCs overseas.
- Ontario DX Association: 3 Camrose Crescent, Scarborough, Ontario, Canada M1L 2B5. Membership is limited to residents of Ontario, however persons living elsewhere may subscribe to the club's monthly bulletin, DX Ontario. The club covers SW and MW DXing. Membership information and sample
- Radio Communications Monitoring Association: P.O. Box 4563, Anaheim CA 92803. This club covers various aspects of very high frequency (VHF) and ultra high frequency (UHF) DXing, listening for two-way communications above 30 MHz. Its bulletin, RCMA Newsletter/Monitor is published monthly. Membership information and sample copy, \$1, or 6 IRCs overseas.
- SPEEDX: P.O. Box E, Lake Elsinore CA 92330. The club's monthly bulletin, called SPEEDX, contains information on shortwave and utility DXing. Sample copy of the bulletin and membership information is \$1 or 8 IRCs overseas.
- Worldwide TV-FM DX Association: P.O. Box 97, Calumet City, IL 60409. This club covers TV, FM and VHF-UHF monitoring, with log listings, articles and technical info. It's bulettin, VHF-UHF Digest is published monthly. Membership information and sample copy, \$1.

The following are Associate Member clubs in ANARC. They are either newer organizations with fewer members, or special interest or local/regional clubs.

- Canadian Handicapped Aid Program: 6 Coolbreeze Avenue, Pointe Clarie, Quebec, Canada H9S 5G4.
- Handicapped Aid Program—United States Branch: 102 Colonial Avenue, Trenton NJ 08610.
- Minnesota DX Club: 5212 Drew Avenue South, Minneapolis, MN 55410.
- San Diego DX'ers Club: 1826 Cypress Street, San Diego CA 92154.
- Southern DX Association: P.O. Box 213, Alexandria TN 37012. University of Manitoba DX-SWL Club: Address not listed by ANARC.
- Washington Area DX Association: 606 Forest Glen Road, Silver Spring,

A pamphlet with expanded information on each of the 23 ANARC-affiliated clubs, full and associate member status, plus other general data on the DXing hobby is available for 50¢ from ANARC, 557 North Madison Avenue, Pasadena CA 91101. Ask for pamphlet: ANARC/HAP Guide to DX Radio Listening.



A Realistic DX-160 is the prime shortwave receiver in this listening post of John Daenzer, Greensboro, NC. "I'm now getting settled into a new home after 10 years of traveling around the world," he writes. "My interest in SW came from a need for worldwide news while I was in the other countries."

It was long an accepted maxim that you needed a lot of wire up there to maximize the capture effect when you were trying to tune weak signals. But, based on earlier military experimentation, we'll be seeing some remarkably small antennas that make up for their loss of "capture" power by amplifying what you DO get with some very "quiet" amplifiers.

I don't see a full-blown continuation of the power struggle of the past decade or so among the "biggies" of the shortwave broadcasting world.

The steady increasing of transmitter powers from 50 kilowatts to 100 kilowatts, to 250 kilowatts, to 500 kilowatts and, in some cases, beyond, has probably reached a plateau.

There still will be stations installing powerful new transmitters in the years ahead, but I doubt we'll see a full fledged expansion with all the international stations going to a million or more watts. The cost is just too great!

Look for more relay stations around the world, transmitters located nearer to desired listening audiences. In some cases, we may find major SWBC stations jointly financing relay operations. In other cases, cooperative deals for broadcasting time may be worked out between the financing SWBC service and the host nation where the relay stations are built.

Stations with English language programming will begin trying to tailor their broadcasts to listener tastes, by researching more formally their listeners' opinions.

These stations will begin to think more closely about the program listener, and less about the DX-types who are more interested in hearing new stations and listening to programs on their old favorites.

In connection with this development, and because of increasing costs in handling incoming mail, more stations will either put restrictions on their QSLing efforts, or give up sending out verifications entirely.

Sorry, but I think that's coming, more and more, in the next several

We will continue to see growth of shortwave broadcasting in the developing countries. And in terms of politicized, unofficial "clandestine" stations, there will be more of these propaganda voices, especially from the long-troubled Middle East.

And, as easy-to-tune listening equipment becomès less expensive, I look for more persons to discover all there is to listen to on shortwave!

Not a very daring prediction, of

THE SINPO CODE

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

Signal Strength S	Interference 	Atmospheric Noise	Propagation disturbance	Overall Merit 0
5-Excellent 4-Good 3-Fair 2-Poor 1-Barely audible	5-None 4-Slight 3-Moderate 2-Severe 1-Extreme	5-None 4-Slight 3-Moderate 2-Severe 1-Extreme	5-None 4-Slight 3-Moderate 2-Severe 1-Extreme	5-Excellent 4-Good 3-Fair 2-Poor 1-Unusable

course, but I think based on today . . . that's how next year, and the year after, will look.

Question from Lloyd Penny, Toronto, Canada, about the "what to do's" of QSLing stations.

"What do I do for the many frequencies of the Voice of America, the BBC, Radio Moscow and other international broadcasters?

"Do I ask for a QSL card for every frequency I hear them on, or do I just ask for the odd one? I'm a real QSL freak, but will these stations get tired of my letters asking for more and more cards?"

Noting that many SW broadcasters are limiting their QSLs to listeners, I have to urge listeners not to push too hard for QSLs' "by the numbers."

There's not really very much reason or satisfaction—in making QSLing a be all, end all quest. Verify the "new" catch, of course. Maybe write a reception report, seeking another QSL, if the station changes its card design, once a year or so. But don't make a pest of yourself! On the other hand, stations DO love to hear from their listeners, so WRITE. But don't make each letter a QSL request.

"I'm a member of several radio

clubs," writes Paul Erikson, San Francisco, CA. "and from time to time I see in their bulletins that some bit of information or another about various shortwave stations is credited to BBC MS. What is BBC MS and how does it operate."

BBC MS is simply a handy abbreviation for the British Broadcasting Corporation's Monitoring Service.

A monitoring service, and the U.S. has its more shadowy Foreign Broadcast Information Service (FBIS), linked to our intelligence community—does, in a sense, what SWLs do, but on a professional level. They keep tab, primarily for their governments on the programs that go out on shortwave radio each day from stations all around the globe.

BBC MS, for example, does the eavesdropping on world broadcasts for its parent organization, the British Broadcasting Corporation, and its extensive news service, but also for the British Foreign Office, the Ministry of Defense and various news agencies and university researchers.

Most of its monitoring is done from a converted Victorian mansion at Caversham Park, near Reading, England. Daily, its 116 professional monitors tune to some 400 news or information broadcasts from Eastern Europe and the USSR, Africa and the Middle East. The monitors listen to programs in 35 different languages.

The BBC MS was founded in 1939, and grew to employ more than 1,000 persons during World War II. Since 1945, there has been an exchange of information with America's FBIS monitoring service, with the U.S. pro listeners taking responsibility for tuning in the voices of the Far East (from posts in Thailand and Okinawa, for example) and South America (a listening post operates from Asuncion, Paraguay).

It's a big job that BBC MS tackles. "Our greatest problem is that the volume of world broadcasting goes on expanding at a tremendous rate all the

LOCAL TIME VS. GREENWICH TIME

If you initially have some difficulty in converting your local time into the DXers universal time, Greenwich Mean Time (GMT), this conversion chart should help. With a bit of practice, however, you'll find you can make the conversions easily without even consulting this chart. GMT is 4 hours ahead of Eastern Daylight Time; 5 hours ahead of EST/Central Daylight Time; 6 hours ahead of CST/Mountain Daylight Time; 7 hours ahead of MST/Pacific Daylight Time; and 8 hours ahead of PST.

	noug or ror.				
Greenwich					
Mean Time	EDT	EST/CDT	CST/MDT	MST/PDT	PST
0000	8 p.m.	7 p.m.	<mark>6 р.т.</mark>	5 p.m.	4 p.m.
0100	9 p.m.	8 p.m.	<mark>7 p.m.</mark>	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.	<mark>7 a.m.</mark>	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 <mark>.m</mark> .
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.



COMMUNICATIONS WORLD

AERONAUTICAL DX

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

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

time," says John Rae, head of the agency. In 1980, BBC MS added extra translator-monitors fluent in the languages of Iran and Afghanistan. These, plus Russian programs, are monitored on an around-the-clock basis.

For the SWL hobbyist, a job as a professional monitor-getting paid for what you like to do most, listen to shortwave-seems a dream come true. And, in fact, there are one or two British DXers who have landed jobs at BBC MS's Caversham Park facility.

But listening for pay may not be all you imagine. One BBC MS monitor says, "At least 95 percent of everything we listen to is desperately boring." But, he also admits, there are times when "reading between the lines" of the foreign news broadcasts adds spice to the

monitoring.

A fascinating, but lesser known SW monitoring operation is that of Michael Gurdus, Israel Radio's specialist.

In scope, Gurdus' operation is miniscule, by BBC MS standards. A 35-yearold reporter for the Israeli state radio and television, he works from the back room of his Tel Aviv apartment.

Gurdus' biggest "scoop" was his eavesdropping on the milltary communications during last year's aborted recue mission to release the hostages in Iran. "I knew 12 hours in advance of the official announcement that an American Hercules (plane) had crashed, and that more planes had lost con-



Though not the easiest station to hear, a number of North American SWLs can include Radio Universidad de Sonora in Hermosillo, Mexico, in their logbooks. Sergio Rayas Solis, one of our readers, was formerly an announcer at this station. He also has been a DXer since 1968, and a faithful fan of COMMUNICATIONS WORLD since 1975. The happy youngster behind Sergio is his daughter, Norma Patricia. He uses a Telefunken table radio and a portable Hitachi set to log 332 stations in 83 countries. He hopes to hear an Antarctic station some day.

PHONETIC ALPHABET

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

A = Alfa	N = November
B = Bravo	0 = 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
1 = India	V = Victor
J = Juliet	W = Whiskey
K = Kilo	$\chi = X$ -ray
L = Lima	Y = Yankee
M = Mike	Z = Zulu

tact," Gurdus told a British journalist a short time after the raid. Gurdus' monitoring also established first that the transport planes took off from bases near Cairo and that assistance was received, along the way, from the tiny nation of Bahrain.

In October 1977, the Israeli monitor picked up radio communications from a West German military team that rescued a Lufthansa airliner from terrorist skyjackers at Mogadishu, Somalia.

And earlier yet, Gurdus' monitoring of the shortwaves picked up a weak SOS from Archbishop Makarious of Cyprus, during a coup. The Israelis alerted the British and a rescue operation was mounted. Afterwards, the Cypriot president admitted that Gurdus' interception of the radio message saved his life in the revolution attempt.

The very immediacy of shortwave means that the alert listener—amateur as well as pro—will be on the scene via radio when some major world event occurs. Here at DX Central, I've monitored via SW a number of Latin revolutions, various independence day celebrations, and other similar events.

Next, Y.A. Hayatian of Ville Saint-Laurent, Quebec, has a rather common question about buying DXing equipment.

"I am interested in buying a certain model shortwave receiver you mentioned in COMMUNICATIONS WORLD. But the best price I can find in Montreal is more than twice what you indicated was paid by some gentlemen in a New York store.

"Can you tell me where to buy the receiver for that price?"

Our reader's question raises several points.

I have become wary about mentioning specific prices for radio gear in CW. For one thing, prices change considerably, even over a few months. Since COMMUNICATIONS WORLD is an annual magazine, and because it is written a few months before it appears on your newsstand, there can be significant price differences—usually increases—by the time you read it.

This is especially true with Japanesemade shortwave receivers, which are usually priced to dealers in terms of the Yen, rather than the Dollar. Fluctuations in the money market mean the price of a radio can similarly fluctuate.

Next, with some of the better known brands, there are many dealers selling them. Competition means differences in prices. It often is the case that a popular shortwave portable receiver will, because of competition, cost considerably less in a large volume, discount

AERONAUTICAL FREQUENCIES FOR MAJOR WORLD AIR ROUTE AREAS

North Atlantic	S. America (east)	North Pacific	Far East
2868 8854	2910 8847	2910 13264	2868 8868
2931 8889	3404.5 8872	5589 17909	2987 13288
2945 8910	5566.5 11327	8938	5624 13312
2987 13288	5581.5 13320	Central E. Pacific	5645 17965
5610 13328	5582 17916.5		8840
5624 13352	8845.5	3467 8930.5	0040
5638 17966.5	0010.0	5551.5 8931	Middle East
5673	S. America (west)	5554 11299.5	
3073	2889 8826	5603 13304.5	3404 8847
Couth Atlantic	4696 11343	6679.5 13334.5	3446 10009
South Atlantic	6666	8875 13336	5603 13336
2875 8882	0000	8879.5	6624
3432 10049	Europe	Central W. Pacific	
6597 13344	2910 8875		Africa (east)
6610 17946.5	3467 8930.5	2896 8854	2966 8959
	4689 8931	4675 11303	3481 10025
Caribbean	5554 8871	5505 13296	5505 13280
2875 6561		6631 17909	6540 13336
2952 6568	6568 11303	South East Asia	
2966 8840	6582		6561
	0 44 5 161	2987 8882	
5484 8959	South Pacific	5673 10049	Africa (west)
5568 10017	294 <mark>5 8847</mark>	8837 13344	3411 8826
6540 11343	5638 13304	8868 17946.5	5519 13304

CUBAN MEDIUM WAVE OUTLETS

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

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

FIXED CIRCUIT FREQUENCIES

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

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

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

wing ballas are shale	a mini other types of radio se	TVICES.
1605-2065	4438-4650	25000-25600
2105-2850	4750-5060	26100-28000
3155-3400	21850-22000	29700-30000
3500-4000	23200-24000	

© COMMUNICATIONS WORLD ®



Richard Murray is a 25-yearold serviceman stationed at Frankfurt, Germany. He favors the shortwave bands and with his National NC270, Grundig RTV-380 and GE 10-band receivers he has managed to hear 118 different countries.



A 10-year veteran of DXing at age 29 is Jose Borras, Galveston, TX. He says he has been a COMMUNICATIONS WORLD reader for many years. He uses a Yaesu Musen FRG-7 shortwave receiver. We hope Jose continues a CW reader for years to come.

store in a major metropolitan area, such as New York City, than in a smaller outlet in a smaller town.

In the case of reader Hayatian, there also is a difference between the Canadian and American dollar, to consider.

However, there may be more than simply price to consider. Perhaps you may want a "line" receiver modified for improved selectivity, as I noted earlier. Or you may be concerned about where to turn if your set needs repair at a future date.

You probably will not get that sort of service if you buy from a cut-rate discount store.

For these reasons, I have, in recent CW issues, tried to speak of prices in more general ranges, knowing that the specific price may vary from place to place, time to time.

As with any other major purchase you make, it's wise to shop around for both value and price.

Bob Battersby, New Orleans, is a high school student and is interested in meteorology, especially hurricanes, he says. Bob asks, "I'd like to combine my interest in tracking hurricanes across the Caribbean and Gulf areas with my shortwave listening. Any ideas?"



Though he says he lives in a poor reception area, near power lines, Irvin Woelfle, Morton, IL, does quite well, logging stations in a number of different countries. His primary interest, he says, is in tuning the news and commentary programs from various countries to learn more about those nations abroad.

You're well situated, Bob, for that sort of monitoring. And, yes, when a tropical storm turns into a full fledged hurricane, there are some places in the shortwave spectrum to listen for information. Some of the frequencies are military or governmental communications, some are amateur radio operations. But to tune them, you'll need to know a bit about a transmission mode known as single sideband.

So before the hurricane, let me digress a moment to talk about single sideband.

Single sideband is a mode of transmission that is widely used for communications work, where audio fidelity is less important than efficiency in getting the message through.

The SSB signal is amplitude modulated (AM), not FM, but the radio frequency carrier and half of the voice modulation is suppressed. What remains is a single sideband of signal.

If that all sounds a bit complicated, try this for a homely explanation: Farmer Brown has a pig he wants to take to market. So, he tells his lazy son, put the porker in the wheelbarrow and truck him on down the road to town. And so sonny does. Pig in barrow, he wheels off toward the market.

In our radio parallel, the wheelbarrow is the radio frequency carrier, the signal that "carries" the modulation. The modulation is the communication or, in the case of our regular SWBC stations, the program, superimposed on the carrier.

The piggy in our folksy example is the modulation, the "load" carried to its destination. The farmer's son hasn't gone very far before he realizes that a pig in a barrow is a heavy load, hard to move. Now if I didn't have the heavy barrow, and only half a pig to haul, how much easier it would be, he thinks.

And he's right. It would take less expenditure of energy. But it's impossible to dispense with the wheelbarrow and half the pig en route, but restore both once the market is reached.

However with SSB this is entirely possible and practical. You can suppress the carrier and half the modulation (leaving a mirror-image half remaining), and then, in the receiver, electronically restore them. You have a completely intelligible signal as the end product, but your use of transmitting power in getting your message from point A to point B is about eight times more effective than plain old ordinary double sideband AM transmission. A lower powered transmitter will do the job of a more powerful—and expensive—one.

SSB, though, when received on a simple AM set, sounds garbled and distorted. Most every receiver designed for the ham radio market has provisions to receive SSB signals these days. So do some other shortwave receivers. Other sets have built-in beat frequency oscillators (BFO) that can be switched in to add the missing carrier to the SSB signal, making it more or less intelligible.

If your receiver is capable of tuning SSB signals, you'll find a whole new world of "utility" communications signals available to you on shortwave. Back now to the hurricane watch business

The U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) has its Hurricane Research Center at Miami, FL. It uses the tactical call Miami Monitor in its radio communications. Military, hurricane hunter flights, using WC-130 aircraft, based at Keesler Air Force Base, Miss., fly out to track the high-powered storms, penetrating right to the eye of the hurricanes. They generally use tactical radio calls such as Gull and Teal.

Frequencies worth tuning, Bob, when a storm is brewing at sea are 13,260 kHz, primarily, but also 4,468, 6,645 and 17,901 kHz. Interesting communications also may be found on the

"SPY" TRANSMISSIONS

Have you heard strange stations whose transmissions seem to consist only of series of numbers, usually in groups of four or five numerals? Solid information about these radio operations is hard to come by, but it is believed that at least some, perhaps many of these stations are broadcasting coded messages to agents operating in other countries. For this reason, shortwave listeners generally refer to these transmissions as "spy" stations. It is said that the number groups aired are one-time-use numerical codes, nearly impossible to "break," even with computer analysis. Some of the stations are located in East Germany, but it is also suspected that other countries are involved as well, including the U.S. Most transmissions are in Spanish, German or English. Here are some frequencies where SWLs have noted such transmissions. Frequencies are in kilohertz.

ENGLISH

4,308, 5,810, 6,722, 8,413, 9,072, 9,117, 11,250, 12,405

GERMAN

3,220, **4**,050, **4**,665, 5,020, 6,400, 7,450, **7**,850, **11**,400, **17**,590, **19**,460

SPANISH

3,204, 3,270, 3,450, 4,556, 4,680, 5,810, 6,690, 6,725, 8,413, 9,920, 9,990, 11,400, 14,775

"I get just as much of an education from my radio as I do in school," claims Gordon Kibble, Richmond, British Columbia, Canada. "SWLing is fun and rewarding; like a world in your own home." Gordon has been a DXer for five years, listening with an Alconic portable receiver.

ham Hurricane network, 14,325 kHz. "I've heard there is a Boy Scout shortwave station," writes Charles Thompkins, a Scout leader from the Boston area. "I don't mean an amateur radio station, but a real shortwave broadcaster with programs. What can

I think, Charles, that you're probably referring to the Polish Pathfinders station. but it is operated by the Polish Pathfinders Union, a youth organization for boys and girls between 10 and 18, some three million uniformed youths in that Eastern European nation.

you tell me about it?"

The Polish Pathfinders station-Roz-



LATIN AMERICAN TELEVISION

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

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



COMMUNICATIONS WORLD



FREQUENCY VS. WAVELENGTH

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

WAVELENGTH IN METERS =	300,000
MYAFFEIGILI IIA IMÉLFIO ==	Frequency in kHz
FREQUENCY IN KHZ ==	<mark>30</mark> 0,000
PREQUENCY IN NAZ ==	Wavelength in meters

JAPANESE BCB OUTLETS

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

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

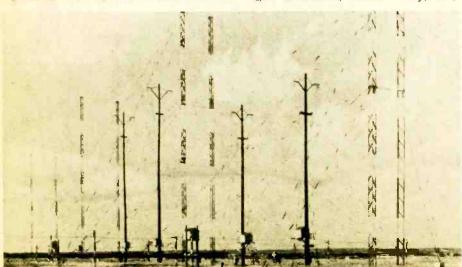
Rockies

glosnia Harcerska, in Polish-broadcasts programs, mostly pop music with teenage appeal, on 6,195 kHz in the 49 meter band, from 1100 to 1700 GMT on weekdays, and 0900 to 1700 GMT on Sundays. The transmitter power is a very modest one kilowatt.

The station was founded in 1957 and has grown since into a very professional operation. Programming is primarily for, rather than by young people. While staff members note the heavy emphasis on popular music, they also point out that it has "pedagogical value," so you can bet there are lessons to be learned there too.

Make no mistake about it, this is definitely not an easy station to hear in North America. Only a couple of legitimate loggings have been reported on this side of the Atlantic. But one of those was by a veteran New England DXer, Jerry Berg, Lexington, MA, just last year. If it is to be heard at all again, it probably will be about 0900 GMT sign on time on a Sunday morn-

Carl T. Grauer, Castro Valley, CA,



This antenna complex at Sackville, New Brunswick, beams Radio Canada International's shortwave programming to South America.

4632.5 7RA20 Algiers, Algeria Helsinki, Finland OGX Paris, France FSB53 Stockholm, Sweden SHX DHA33 Wiesbaden, Germany **GMP** West Wickham, England 6792 0DW21 Beirut, Lebanon Paris, France FSB54 Tel Aviv, Israel 4XP40 PDB2 Utrecht, Netherlands ONA20 Brussels, Belgium 7532 LJP27 Oslo, Norway FSB55 Paris, France Rome, Italy IUV81 Vienna, Austria OEQ HFP Zurich, Switzerland Lisbon, Portugal 9200 CS166 Paris, France FSB56 CNT Rabat, Morocco XJE57 Altamont, Canada 10390 OWS4 Copenhagen, Denmark Madrid, Spain FEQ ESR57 Paris, France Rio de Janeiro, Brazil PYZ2 Tunis, Tunisia 3VA TCC2 Ankara, Turkey 14817.5

INTERPOL FREQUENCIES

says he's "an old time shipboard radio operator" now interested in SWLing.

18380

19360

YV23

AYA48

XJD48

FSB60

FSB62

Caracas, Venezuela

Ottawa, Canada

Paris, France

Teheran, Iran

Paris, France

Bogota, Colombia

Mexico City, Mexico

Manila, Philippines

Buenos Aires, Argentina

"Our home is on the east side of San Francisco Bay, about 15 miles south of Oakland, so I hear both aviation and marine radio traffic. I "copy" CW."

Carl notes that he has heard a number of CW (Morse code) stations on the low frequency longwave bands, mostly aeronautical beacons.

The aero beacons are "homing" transmissions for pilots to help them locate airfields en route or at destination. They identify with two or three letter "identifiers" in code.

Carl sends along several unidentified stations he has logged, and he also asks about a full listing of these stations and their locations. Generally, these long wave radio beacons can be found in the 200 to 400 kHz area. Among the stations he has logged, but not IDed, are "IN," "EZB," and IN; "EZB" on 362 kHz is Oakland, "FCH."

"IN" on 266 kHz is Indianapolis, CA, and "FCH" is a beacon on 344 kHz, Fresno, CA.

A listing of U.S. aerobeacon stations can be found in the Airman's Informational Manual, Part III, a rather costly volume, available from the Superintendent of Documents, Government

PHOTOS WANTED!

Would you like to see your photo in COM-MUNICATIONS WORLD? Okay, then, send us a nice clear photo of you and your DXing equipment. A b&w photo is preferred, if color is taken, use a glossy finish print. Along with the photo, please tell a little about you and your DXing activities and interests. Also, please identify the make and type of the receiver and other equipment shown in the photograph. Sorry, we can't return photographs. Our address is, COMMUNICATIONS WORLD, 380 Lexington Ave., New York, NY 10017.

Printing Office, Washington, D.C. 20402.

"Okay, so I am exhibitionist," writes Joel Stafford, Charlotte, NC. "But I want to advertise to the world that I'm an SWL. This is a great hobby and I'd like to tell everybody about it, and the fun it is. But how can I let them know that I'm a shortwave listener?"

How about this, Joel: Try the '80s version of the walking billboard—the T-shirt?

Now, surely you can find a local T-shirt shop to print you up an eyecatching slogan that will have those you meet asking you what SWLing is all about.

Or, as an alternative, you might order one of the attractive conversation-starting T-shirts still being offered by Radio Sweden.

More than 6,000 listeners around the world already are wearing attractive dark blue shirts with the words, "Keep in touch—Radio Sweden," in yellow. You can too. The shirts come in sizes: extra small, small, medium, large, extra large and extra-extra large. They cost \$6 in U,S. funds (or 15 IRCs, purchased at your postoffice), ordered from Radio Sweden, S-105 10, Stockholm, Sweden.

And P. J. Arzini, Dallas, TX, has a question about AFRTS, the American Forces Radio and TV Service.

"I understand that the AFRTS carries a lot of sports broadcasts for servicemen overseas. I've heard the programs a few times. How can I get a schedule?"

Okay, P.J., here's the scoop on AFRTS. It is, as I'm sure most SWLs know, a worldwide broadcasting system, operating on shortwave. Perhaps many listeners, however, do not know that most of the U.S. servicemen overseas don't listen to AFRTS shortwave.

Shortwave is only a rather small part of the AFRTS system. Most GIs, from Greenland to Antarctica, hear local AFRTS stations, most of them operating on medium waves and FM frequencies for limited range transmission. There are, in fact, more than 750 radio and, yes, television outlets of AFRTS

VERY LOW FREQUENCY DXING

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

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

POLICE VHF AND UHF FREQUENCIES

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

CITY	FREQUENCY	CITY	FREQUENCY
Akron, OH	VHF-High: 155.97, 156.15, 156.21	Minneapolis, MN	VHF-High: 154.74, 154.90, 156.03
At <mark>lanta, G</mark> A	UHF: 460.050, 460.375 VHF-High: 155.85, 156.21 UHF: 460.025, 460.075, 460.150, 460.425	N <mark>ew</mark> 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,
Cleveland, OH	UHF: 460.125, 460.225, 460.275, 460.400,		470.7375, 470.8125, 470,8625, 470.8875, 470.9375, 470.9875
Columbus, OH	460.450 VHF-High: 154.65, 154.71,	O <mark>mah</mark> a, NB	UHF: 460.100, 460.225, 460.375
	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,	Pittsburgh, PA	VHF-High: 158.97 UHF: 458.10, 458.40
Denver, CO	460:175 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,	Salt Lake City, UT	VHF-High: 154.83, 154.875, 155.01, 155.13
	155.55 UHF: 460.025, 460.050, 460.350	San Francisco, CA	VHF-Low: 45.10, 45.14, 45.46, 45.58 UHF: 460.125, 460.350,
Kansas City, MO	VHF-High: 154.71, 155.64, 155.85, 156.09	Seattle, WA	460.075 VHF-High: 155.25, 155.64,
Las Vegas, NV	UHF: 453.10 VHF-High: 155.55, 155.73		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		

TV CHANNELS AND FREQUENCIES

Channel	Video/Audio Freq. (MHz)	Channel	Video/Audio Freq. (MHz)
2	55.250/59.750	7	175.250/179.750
3	61.250/65.750	8	181.250/185.750
4	67.250/71.750	9	187.250/191.750
5	77.250/81.750	10	193.250/197.750
6	83.250/87.750	11	199.250/203.750
		12	205.250/209.750
		13	211 250/215 750

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

COMMUNICATIONS WORLD



VHF AND UHF FREQUENCIES USED BY FIREFIGHTERS													
CITY		VHI		UI	4F								
San Francisco, CA Seattle, WA		154.28 154.19 154.34	154.43 154.25	453.70	453.80								
Portland, OR		154.25	154.28	460.525 460.575	460.550								
Columbus, OH Salt Lake City, UT		153.77 154.31 154.43	154.31 154.34	<u>.</u>									
Atlanta, GA Denver, CO Chicago, IL		153.89 153.77 153.83	154.19 154.31 153.95	460.600	460.625								
Houston, TX		154.01 153.89 154.28 153.95	154.13 154.16										
Kansas City, MO		154.01 154.28	154.13	458.10	462.95								
-New Orleans, LA		154.235	154.37	453.15 460.600	460.575 460.625								
Dallas, TX		153.89 154.22 154.13	154.07 154.445										
Pittsburgh, PA New York, NY		153.77 153.95 154.07	154.445 153.89 154.01 154.19	460.525 460.625	460.575 460.675								
Los Angeles, CA		33.48	33.53	506.3125 507.0125	506.6375								
Cleveland, OH		153,89 153,95	153.93										
Washington, DC		154.19 154.235	154.205										
Baltimore, MD Philadelphia, PA		154.07 153.89 154.01	154.31 153.95										
		154.145	154.23										

in 20 foreign countries where servicemen are stationed.

The shortwave operations SWLs hear are AFRTS presentations over the Voice of America transmitting facilities. These transmissions are mainly intended for those remote areas not served by local AFRTS stations, and for those on U.S. Navy and Coast Guard ships stationed at sea.

Interestingly enough, English-speaking listeners in foreign countries also tune in AFRTS shortwave. Since many of the programs and features, newscasts and public service broadcasts are lifted right from our domestic AM radio networks, it gives foreign nationals a somewhat different picture of

The new broadcasting house of Radio Finland in Helsinki, Transmissions from the facility began in November 1979. The center has 35 radio studios and one for TV news. The master control center can handle the external shortwave service and seven domestic and regional medium and longwave programs simultaneously. Some 2,300 Finnish Broadcasting Company employees are now working here.

America than that portrayed by the Voice of America.

As for program schedules, P. J., AFRTS says it does not maintain a regular, permanent mailing list for individuals. But you can write for a current AFRTS-W (W for Washington) program schedule and frequency list. The address is: AFRTS-Washington, 1117 North 19th Street, Arlington, VA

"I'm beginning to be able to identify some shortwave stations by their interval or tuning signals," Jack Nellis. Oklahoma City, OK, writes in his letter to CW. "There are a lot of different interval signals, though, and sometimes I get confused. Is there a ready reference available?"

An interval signal (IS) is usually a bit of melody played by a station before that broadcaster begins his scheduled programming. The intent, of course, is to give listeners something to tune for so they can find the station before programming actually begins.

If you can read musical notations, you can get some help from the information included in the annual World Radio TV Handbook mentioned earlier in this issue of COMMUNICATIONS WORLD.

Or you may order one or several of the tape recordings of station interval signals and identifications available through the Handicapped Aid Program.

The Handicapped Aid Program (HAP) is worldwide organization which works, purely on a voluntary basis, to promote the hobby of shortwave radio broadcast listening among the physically handicapped and housebound. HAP has a number of fundraising projects to underwrite its work.

There are three tapes in the interval signal-identifications series. Tape 1 covers African stations; Tape 2, European stations, and Tape 3, the stations of Asia, the Pacific and the Americas. The first one is priced at \$3.50, the second and third at \$4 each.

They may be ordered from HAP-US, 102 Colonial Avenue, Trenton, NJ 08610. Canadians may order from Canadian HAP, c/o Ian McFarland, 6 Coolbreeze Avenue, Pt. Claire, P.Q., Canada H9S 5G4. Handicapped persons, or those knowing any handicapped SWLs, may contact the same addresses for further information on HAP services.

So, that wraps up our look at the mail received here at COMMUNICATIONS WORLD. I always look forward to hearing from all readers about your DXing interests and activities, your questions and comments.

Until next time, good listening!

Directional Antennas for the Shortwave Listener

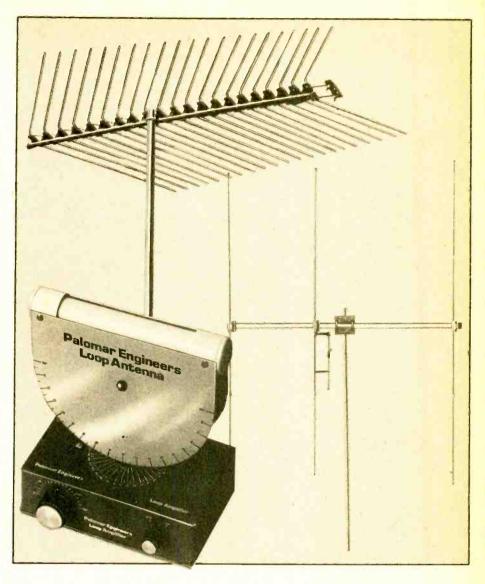
Pinpoint signals with these professional techniques and equipment

MOST OF US APPROACH THE JOB of shortwave antenna installation in a casual manner; a long piece of wire is run away from obstructions and power lines and as high as possible. Hams are frequently guilty of the same sort of cavalier attitude toward antennas: "If it works, leave it up; if it doesn't, put up something else."

The fact of the matter is that shortwave receiving antennas, like other kinds of antennas, must be properly designed for optimum performance, and the job is not all that difficult once we understand a few of the underlying principles. Fortunately, shortwave receiving antennas are far more forgiving of sloppy design than are their transmitting counterparts. They don't balk at high SWR, they don't require special insulation considerations, and they needn't be concerned with large diameter conductors to accommodate radio frequency power. A receiving antenna is merely a conductor in the path of an arriving field of weak electromagnetic energy, and nothing more.

Back To Basics. In order to intercept the RF energy efficiently, a number of considerations are necessary. Like transmitting antennas, some lengths of antenna are more suited to certain radio frequencies than others. That is to say, certain lengths "resonate," or reinforce, radio signals whose wavelengths are mathematically related to the electrical length of the antenna wire or conductor. This is why CB antennas are all carefully adjusted to optimize their performance in the 27 MHz band.

Unlike CB, shortwave reception is very much broadband, typically from 3 to 30 MHz. This ten-to-one frequency range means that a resonant antenna is out of the question. This is where antenna "tuners" or "matchboxes" often



enter the picture, especially for transmitting. From a practical standpoint, however, tuning devices are rarely necessary for receiving installations. A properly designed receiving antenna will work quite well over a wide frequency range, as evidenced by the reasonably good performance of that random length of wire discussed earlier.

Omnidirectionals. For the casual shortwave listener, desirable signals arrive from all points of the compass. He or she is unconcerned with the prospect that two signals arriving simultaneously on the same frequency make listening rather difficult. If one can't hear the station, it's merely a move up or down the dial for a new quarry.

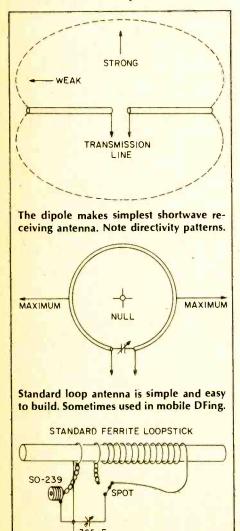
In most cases, a random wire antenna, no more than 20 to 30 feet in length, will provide excellent worldwide reception. As with any antenna design, it should be as high as possible, and far away from physical obstructions—especially those which are metallic—and clear of power lines. Such random antennas may even be run at angles, following the contours of a roof line or building eave.

As an alternate solution, a very useful receiving antenna may be made from twenty feet of inexpensive mast pipe or conduit. It is mounted vertically, right on a ground pipe, and insulated from it by a sleeve of PVC pipe. A length of coax cable (any standard type) is run from the antenna to the receiver. Single vertical elements are always omnidirectional. Such an antenna configuration will give an excellent accounting of itself throughout the shortwaye spectrum.

Directionals. A trip to an FCC monitoring station or to an intelligence gathering electronic surveillance installation will awe any but the most jaded listener. The Wullenweber antenna arrays they use look like elephant compounds. Is it really necessary to take such elaborate measures to improve shortwave reception? Certainly not. These electronic behemoths are designed with a very special purpose in mind: to measure exact bearings on incoming signals over wide ranges of frequencies.

However, we can learn a lesson from these sophisticated installations. With proper design, an antenna can be made directional, and some of these designs may be simpler than you ever dreamed.

The Dipole. The simplest of all directional antennas is the dipole. Usually center-fed by a length of coaxial cable, the radiation (and reception) pattern of a dipole is that of a doughnut. Major receiving strength extends broadside to the antenna, which is relatively insensitive to signals arriving off the ends. In fact, deep nulls reject signals exactly off the ends of the dipole, making it very useful for interference cancellation from power lines or local transmitters. Since the reception lobes are very board and the nulls are very sharp, it is better to point the axis of the antenna at the source of interference in order to reduce it, instead of worrying about the broadside of the antenna facing a particular geographical location to favor reception.



Schematic for simple loopstick antenna. See text and box for further instructions.

Arriving radio signals are rarely stable targets. Only when the transmitter is relatively close to the receiver can the listener be assured of constant directional reception. The reason for this is the characteristic differences between ground waves and sky waves. Ground waves tend to travel in a straight path close to the surface of the earth, while sky waves are warped by the ionosphere, an electrically-charged layer of our atmosphere hundreds of miles above us. When these waves return to Earth, they are grossly altered from their original symetrical pattern and arrive at various angles.

A true directional antenna, such as that used for radio direction finding purposes and radio navigation, is carefully constructed to reject sky waves and concentrate on ground waves. Still, we can suppose generally that since the waves all started from one location, we can expect that *most* of the arriving signal will come from that direction, broad as it may be.

Beams. Commonly called the "beam" antenna, the Yagi-Uda array is the most common directional antenna encountered in ham radio installations, and it works well. Unfortunately, the Yagi has a very narrow bandwidth of operation, and the lower the frequency, the larger the array necessary. For this the larger the array necessary. For this reason, Yagis are rarely used solely countered below 14 MHz in hobby radio installations.

Quads. Large and ungainly, the cubical quad is popular among hams and CBers. The basic rules of Yagi element spacing apply to the quad. Like the Yagi, it is not practical as a shortwave receiving-only antenna, due to its size, complexity and fragility. It does, how-

ever, offer excellent directivity and gain factors, especially in two-way usage.

Log Periodics. The log periodic dipole array is used extensively for worldwide communications by military and government installations.

While useful over a 3:1 or even 4:1 frequency range, the elements of these broadband antennas are extremely large at the lower shortwave frequencies. Some of these antennas are hundreds of feet in length at major shortwave communications installations! Obviously, the most common and practical use of the LPDA is on VHF and UHF.

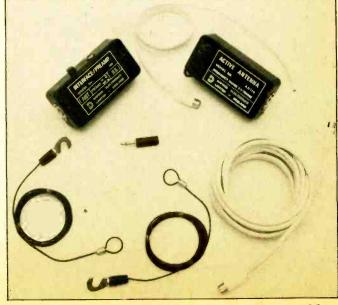
But the picture is not as bleak as it appears. There are some tricks the SWL can use which provide excellent antenna directivity, while utilizing small size and inexpensive construction methods and materials.

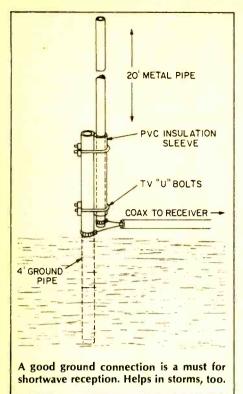
The Loop. Probably the most common directional low frequency antenna is the loop. Originally developed for direction finding service in the maritime industry, a loop antenna has a figure 8 pattern. Its null is at right angles to the plane of the loop, and its maximum signal pickup is off the ends.

A more recent variation on the receiving loop is the ferrite rod loop. One commercial unit is manufactured by Palomar Engineers (Box 455, Escondido, CA 92025). The Palomar unit is available with plug-in ferrite loops to cover 10 kHz through 5.5 MHz. Because the loop is tiltable, skywave anomalies may be greatly reduced, improving the directivity of the device.

The Palomar loop antenna also has a built-in amplifier. This is important for two reasons: the short antenna doesn't capture much signal, and the impedance of a loop is very low, making a poor match when connected di-

Active antennas have a certain appeal. They have a built-in preamp arrangement that amplifies the signal in the line. They do a good job in rejecting electrical interference.





rectly to a receiver.

A Homebrew Loop. For the home experimenter, a ferrite rod loop antenna may be easily constructed once the materials are located. The experimenter will need a standard ferrite rod about seven-inches long, two rubber grommets to fit over the rod, a small aluminum utility box, an SPDT switch, a miniature 365-pF variable capacitor, a few feet of insulated hookup wire, and an SO-239 female coax connector.

The ferrite rod is wound tightly at its center with a single layer of cottoncovered hookup wire. Start by leaving about four-inches of wire as a beginning pigtail (this will be the ground lead). After one turn, twist tightly together another four inches of wire; this will be the output link. Resume winding another single turn and twist tightly together another four inches of wire; this lead will go to one side of the frequency range switch. Resume winding again until another 13 turns have been completed bringing the total to 15 turns. Leave about four-inches of pigtail to be connected to the other side of the frequency range switch.

Tape the coil down firmly against the rod to hold it in place. Slip a rubber grommet over each end of the rod to act as a cushion when it is fitted in place in the aluminum box.

Drill two holes through opposite sides of the utility box to accommodate the rubber grommets. With a hacksaw, cut a slot the width of the grommet holes from the top of the box all the way down to the holes. This will provide a Faraday shield to reduce the capacitive effects of nearby objects on the pattern of the loop, as well as serve as a mounting area for the ferrite rod. Be sure to leave room for the switch, jack, and tuning capacitor.

Cut and drill additional holes to allow for mounting of the variable tuning capacitor, SO-239 chassis connector, range switch, and any mounting bracket for a handle or brace.

In actual operation, the range switch selects the tuning range of the antenna, and the 365-pF tuning capacitor peaks the incoming signal. When properly adjusted, the ferrite loop directional antenna will exhibit a very sharp null when pointed like a gun barrel at the source of the signal. It makes a good direction finding antenna for locating hidden transmitters anywhere in the shortwave spectrum.

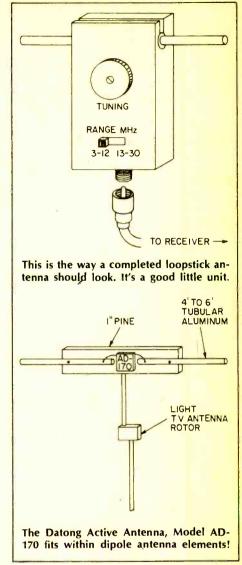
The same hazards associated with unpredictable readings from skywaves, as mentioned earlier, still apply. Readings are best when sources are close, and when operating frequencies are low. Tilting the antenna up or down will frequently enhance the sharp directivity of the loop and increase accuracy on bearings. This is the same technique used with the Palomar unit.

Active Antennas. In an effort to overcome the lack of appeal of large antennas for maximum signal pickup, the idea of a built-in preamplifier sounds attractive. In fact, several manufacturers now offer short receiving antennas which detect only a small amount of energy and amplify it, sending a husky signal to the receiver. Often, these antennas may be mounted in such a way as to null out electrical interference, favoring the desirable signals.

Among the more prominent manufacturers of active (or voltage probe) antennas are: MFJ Enterprises, P.O. Box 494, Mississippi State, MS 39762; Datong, available from Gilfer Associates, P.O. Box 239, Park Ridge, NJ 07656; and McKay Dymek Co., 111 S. College Ave., P.O. Box 5000, Claremont, CA 91711.

Antenna Rotation. Most antennas can be rotated, even those monsters used by the miliatry services. But most of us have a balanced budget, and are concerned about deficit spending. For those reasons, as well as the possibility of partially rotating the house under the antenna, we shall confine our discussion to small directional antennas.

The trouble with the remote positioning of the ferrite loop is its inaccessability for tuning. The listener must be satisfied with a narrow frequency range,



or mount the loop low enough.

A better approach is the use of a broadband antenna. Experimentally, we tried a waterproofed version of Datong's popular AD-170. It is capable of continuous 70 kHz to 70 MHz performance. It comes from the factory with wire leads for its dipole elements.

By mounting the preamplifier against a sturdy wood or plastic brace, and replacing the wire elements with two lengths of self-supporting alumium tubing at least four-feet long per leg, the assembly makes a good rotatable directional shortwave antenna. The problem of skywaves distorting arriving waves will still make true directivity a little difficult to obtain.

Conclusion. While any hunk of wire is theoretically capable of intercepting radio energy, a little planning can make a big difference. By analyzing the requirements of your particular receiving installation, an antenna can be designed and installed with expectations of excellent performance.

Keeping a Shortwave News Log

AT MIDNIGHT GMT ON TUESDAY, January 23, 1973, the World Service of the British Broadcasting Corporation announced that Lyndon Baines Johnson, 36th President of the United States, had passed away at his home near Johnson City, Texas. On Friday, August 9, 1974, at 1500 hours GMT, station CFRX in Toronto, Ontario, Canada, stated that within one hour Gerald R. Ford would become President of the United States.

On Wednesday, March 26, 1975, at 0100 GMT, HCJB in Quito, Ecuador, reported that King Faisal of Saudi Arabia, while holding court in Riyadh, had been assassinated by his nephew, Prince Musad. Where did I get this information? Did I write to broadcasters and ask when and how they had reported various historical events? Did I travel to England and take notes while peering over the shoulders of the professional SWL's at the BBC's Caversham Park monitoring station?

The answer to both these questions is "no." To obtain the facts that open this article, I merely looked in my log books, located in my den, in my house. Keeping track of the opening stories of shortwave news programs has become a "hobby-within-a-hobby" for me.

Log Sheets. Compiling a "news-log" is an easy task. Using commercially prepared logging pages, such as those provided by Gilfer Shortwave, in Park Ridge, NJ, the listener has a few inches of space in every line to make notes on. This is in addition to the usual

Record the flow of current history



time, date, and frequency columns. The Gilfer forms are pre-punched to fit in a three-hole, loose-leaf notebook. Other companies also market logging materials, or they can easily be made at home using ruler and pen or pencil.

Simple receiving equipment is frequently enough to pursue this "spinoff" hobby. Radio Canada International, Radio Nederland, Deutsche Welle, HCJB, and other stations that send strong signals into North America, begin their transmissions with newscasts. These broadcasts can usually be heard on inexpensive portable receivers.

If you don't make your letters too large, you'll have space to jot a few brief notes about every newscast you hear. Recent notations in my log include such things as: "200 dead in Yugoslav earthquake;" "Whereabouts of Amin still a mystery;" and "U.S. ends economic aid to Pakistan over nuclear development." Each notation fits nicely into the four-and-three-quarter-inch "Program/Contact" space on a Gilfer LS-1 logging sheet.

The listener will soon nave his or her own personal chronicle of war, disaster, pestilence, revolution—all the occurrences that comprise the news of the day. It's often fascinating to examine the stories various stations use to open their newscasts and compare them with items carried by other broadcasters. Also, hearing one story as reported by



This modern building near Hilversum, Holland houses newsroom and production studios of Radio Nederland, a popular broadcaster.



From this flurry of activity in the BBC newsroom comes the best in international news coverage. The BBC has no peer in the field.



quently a good way to get information about your nation's domestic affairs.

Following another country's "local" stories from day to day can be intriguing, too. Election campaigns are examples of this type of story, as are reports of natural disasters. How Darwin, Australia, recovered from the cyclone that devastated it on Christmas Day, 1974 was captivating news.

Student SWLs preparing papers can have knowledge of precisely when re-

can be examined later to find out what happened in a daily parade of historical occurrences.

By writing just a few words during each news program he or she hears, the SWL will soon have a readily available volume of recent world history. And, the longer the listener keeps such records, the greater the time period covered by this individualized history book.

Gilfer Shortwave will send its catalog to anyone who writes. The aduress is Box 239, Park Ridge NJ 07656.

News log forms like this one are available from Gilfer Shortwave, or you can make them up on your own. Keeping them in some sort of binder gives you an ongoing collection of world events that can be reviewed and updated as events develop & take shape.

		1 /1 .	Ah, Replista D	(-15)	nA.		Signal strong(hi Enterforence Overe		1	
Antenna	40) 🚨	where t	14 - A 16 h					nc offen?		
Abbrevis	tions	onni onnavira	new ID waterfrippings	NO			BBD over septone	ned .		
10000	on follows off (sports)	ED Chart	15 others again	791		- date	D. Self for torought			
A special	of their	CC Girmo	Lit (10th Amount	10	Pol	Tagara.	old of the protoco	_		
AA Ann		HS Allean Seve	ter err dimer broug ply	100		101.75	* strong frequency 1 hardy auditor 1 patients 1 or	MONON.		
DATE (Month Day)	TIME SHIT	FREQ/DIAL BHZ Settings	\$7.6740W HEARD	LANG	8	0	TRANSMISSION REMARKS (Program/Contact) (QRM/Chub Rpis/atc.)	NEW FREO	MEW STA S	
2 1 mu 79	1508	1,115	BRC.	EE	3	13	"Complement times admit & am Que topal		-	-
3 Hoy	6130	6.060	Darrie L. W. H.	EF	41	4	Samuel Ladde tolk . Adams			
- 0	0145	15.305	Land Robert to	EE	4 4	4	Japan and 11 & agent to appelled trade to the			-
	1100	11.775	BBC	66	134	- 3	Victoria graves China of was affirst on Joseph grave	-		_
	A340	9.590	BRC	EE	3	3	That we have condited in writing a war shorten			-
4 1/200	1100	11,725	R B C	EE	3 4	- 3	the city of the party of the party of			_
5.10	0168		Latin Counda	8.0	4 4	4	Managent Thatteles became ficting for the women PH			
	0130	6,0%	Charles Marie	23	4 9	14	Selve of t sampatt fate Thomas to Thateles			Ξ
	1100	11,715	BBC	EE	3 4	2	The chattles spected to anyone to callet some			
	1500	15,20	Rolls Canada	SE.	34	3	Margaret Matelia announce callent			
-	1300	6,120	BRC	EF	3 9	3	Lord Carringto usual farcian acceptant			
is Thought si	4000		Karla Cameria	EE	44	14	There calment is agreed by the theather			
	0145	HINE		23	4 4	14	Whater continues be required when you continued			
7 4)	Trea	11,715	RRC	55	3 4	13	Throng student many reported in Lacor			
1.00	GOOR	5,960	Koolia Councila	83	3 4	- design	thereards desputate in Whatwater argust water	-	-	
& No.	1100		BRC	EE	3 4	43.	Marin spile for yeard comme spile			
9 4	NO.	11,335	REC	EF	314	13	al more of decide agrees to specified in with the	_		
	01301	6.646	A Then It is	FF						



The new home of Deutsche Welle, German shortwave service, will be built in Cologne.

IGH-PERFORMANCE and simple controls rarely go together and a choice between the two is usually made by the

perspective buyer.

However, if design and manufacturing costs go into convenience features loading up the front panel with controls, switches and other gizmos, there's not much left for performance. Yet performance is the most important thing and the Kenwood R-1000 Communications Receiver is a good example of what it's all about.

The R-1000 is a line-powered digitalreadout communications receiver for AM/SSB/CW covering the frequency range of 200 kHz to 30 MHz. Tuning is through a band selector stepping in increments of 1MHz and a variable 0-1 MHz main tuning dial.

Though it is possible to read the main tuning dial to an accuracy of 5 kHz (because the dial is calibrated in 10 kHz increments), the tuned frequency is precisely indicated by a digital readout (to 1 kHz). Both the MHz and kHz values are indicated by the readout; there is no interpolation.

A Talking Clock. The frequency readout can be used as an electronic clock and timer that turns the receiver on and off at selected times.

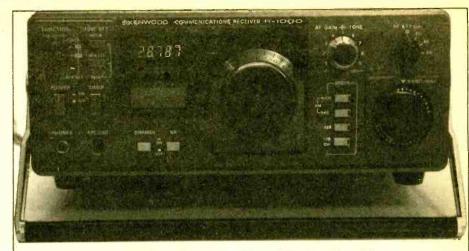
The digital readout can be switched between the frequency and time modes without affecting the tuning adjustment.

Receiver operating controls, in addition to those required for setting the clock/timer, are: AF volume, AF tone, antenna RF attenuator in steps of 0/ 20/40/60 dB, band selector, main tuning, noise blanker on-off, AM with wide selectivity, AM with narrow selectivity, upper SSB, and lower SSB/CW. That's it. There are no unnecessary controls.

Tuning is controlled through quartzlocked VCOs (voltage controlled oscillators) in a PLL (phase-locked loop). Four VCOs selected by the band selector switch heterodyne the received signal to 48.055 MHz, which is then heterodyned to the second IF frequency of 455 kHz. A VFO. (variable frequency oscillator) tunes between 5.545 MHz-4.545 MHz. It provides a first conversion local oscillator output of 48-78 MHz through mixing in the PLL.

Three Antenna Inputs. There are three antenna inputs: one for MW (medium wave), the remaining two for SW (shortwave). The MW antenna input impedance is 1000-ohms (for longwire antennas) and is automatically switched in for frequencies under 2 MHz. The frequencies above 2 MHz are automatically switched in from the SW antenna inputs.

One SW input is 1000 ohms, again for longwire antennas, the other is 50-



KENWOOD R-1000 COMMUNICATIONS RECEIVER

A top-of-the-line AM/SSB/CW receiver

75 ohms coaxial. A switch on the rear apron presets the 1000 ohm or coaxial antenna connection for use above 2 MHz. (Remember, the band selector selects a high frequency antenna or an MW antenna; the user determines which of the two HF SW antennas to use.)

The antenna signal from any antenna passes through an RF attenuator and then to a bandpass filter, of which there are six. Diode switches, activated by the band selector switch, determine which bandpass filter is used. There are no tuning circuits for the RF amplifier -the bandpass filters do it all.

Switching Diodes. There are no RF bandswitches to go out of whack; everything is diode switched, which is noiseless. Similarly, there are no RF tuning circuits to fiddle with while tuning for weak stations. The selected frequency is received at maximum sensitivity.

As supplied by Kenwood, the selectivity provided by the three second IF mechanical filters is 12 kHz for AM WIDE, 6 kHz for AM NARROW, and 2.7 kHz for SSB/CW. This arrangement permits excellent reception of AM broadcast signals (AM WIDE), average reception of AM and SW broadcast signals, and of course, super-selective SSB/CW reception.

Good Stability. Frequency stability is ±2 kHz from 1-60 minutes from power on, and 300 Hz maximum every 30 minutes. The frequency stability settled down quickly in about 10-15 minutes and was approximately ±1 kHz until after 30 minutes or so. Actually, from a cold start the Kenwood R-1000 could stay on top of AM and SSB signals, requiring but slight tuning correction until the receiver settled down.

Perhaps the best part is that reception is exceptionally clean, even from the internal speaker. The AM broadcast band reception was very clean, with no trace of cross-modulation overload. Overall, excellent performance.

The R-1000 is housed in a metal cabinet 12.75 inches wide x 4.5 inches high x 8.6 inches deep. It is provided with a carrying handle/tilt bracket and a plug in linecord. All rear connections are recessed so the receiver can be stood up without causing damage to rear apron jacks and plugs. There are also mounting feet on the rear spacing the receiver from the nearest wall when used on a table or desk.

The rear apron has spring-loaded press-fit terminals for high impedance antenna connections and ground, a UHF coaxial antenna jack, a remote speaker jack, a remote control (DIN) jack, powercord receptacle, covered port for optional remote control connector, fuse, powerline voltage selector, and SW antenna select switch (longwire or coaxial).

The Kenwood R-1000 Communications Receiver is priced at \$499.95. For more information circle No. 80 on the Readers Service Coupon.

CW PROFILES THE...

Avanti AV 801 Scanner Antenna

This tri-band antenna covers from 25 to 512 MHz

YOU READ CORRECTLY! This article is an installation and use report on the Avanti Astro Scan AV-801 triband monitor Antenna by this anonymous reviewer who, alas, learned he was not so hot. You see, the story starts with a 1½-foot length of fine stainless steel mounted on a piece of plexiglass and loaded directly into a coaxial cable of unknown impedance, but inexpensive brand. While connected to a half dozen different monitors and scanners during the past few years, this inexpensive and simple antenna pulled in the cops, fire, ambulance, commuter railroad, etc., with no difficulty. The police precinct was only five city blocks away, the thoroughfare used by the fire depart-

ment was only one city block away, and everything else was less than one quarter of a mile away. With signal strengths at a maximum, it was a wonder that the antenna itself did not glow red.

The awakening came when a friend told me of a police stake-out frequency that worked night-time only just above 450 MHZ. Try as I may, I could not hear them even when my buddy confirmed their existence by placing his telephone mike next to his scanner's loudspeaker. He was pulling it in and I wasn't. Goodbye to that simple stainless steel thing-a-ma-jib.

Up went the Avanti Tri-band monitor antenna AV-801 which can pull in 25-50 MHZ, 140-174 MHZ, and 450-512 MHZ (includes the new "T" band).

If you had watched me doing it and blinked twice—you would have missed the whole installation. Assembly was done at street level. All parts were bolted together with mast mounts attached. I was using an old TV mast which was secured on the roof to the chimney by the usual brackets.

I went up to the roof with a bucket of tools, tape, RG-58/U cable, and the AV-801. In all honesty, if it were not for picture-taking time, the AV-801 would have been up in 15 minutes including cleanup. I did the whole installation myself mainly because the total weight of the antenna is only 2½-pounds. All tubes and plates are aluminum. Only the small solid rods are stainless steel.

But watch out, haste can make trouble. Check that there are no overhead high voltage wires, or, should the antenna mast topple be sure it would not fall on high voltage lines near the house. I sprayed some clear lacquer on the coaxial connector, hopefully sealing out moisture. The same spray was used on the hardware threads as a safety lock and also to retard corrosion. The antenna site is near the sea, and salt air does pit alumminum, I couldn't wait to tie the Avanti AV-801 into my Bearcat. I didn't even cut back the excess footage on the 50-ft long RG-58/U, for I wanted to get



CIRCLE 36 ON READER SERVICE COUPON

the rig on the antenna at once.

Whamo, I heard stations, base and mobile alike I never suspected existed. Surprise No. 1 was that amateur 6-meter reception was good. And no wonder, the high-frequency section of the antenna is a co-inductive 5/8 wave Astro plane with 4.4-dBi gain. The VHF section is effectively a half-wave dipole with 2.1-dBi gain. Up in UHF country an 11/4-wave collinear provides 3.3-dBi gain. Antenna matching to the line indicated more signal was lost in the cable than to any mismatch. That's good for the antenna, but bad for the line. So I cut 22 feet of coax out to reduce HF losses. At the low end using 27-MHz, the SWR was 1.13 and that's darn good. There's no reason for you, as it was for me, not to expect an exceptional increase in monitor/scanner performance with the addition of the Avanti AV-801. It's reasonably priced at \$34.95, and with the added cost of a new mast, coax cable and 2 standoffs, the total cost was a bargain that fit hobby budget. For more information, circle No. 36 on the Reader Service pre-paid post card.

At left is the Avanti 801 antenna installed, with all its elements for multiband reception in view. Longer elements low frequency, short for high.



The warning means exactly what it says! Contact with voltage carrying wires can result in electrocution. Check for wires in the vicinity beforehand.

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

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call Location	W.P.
		- 1	WV861	Biloxi, MS	5000r	wyog	New Orleans, LA	1000d	WNEG Toccoa, GA	500d
540-	-555.5	1	KGRT	Las Cruces, NM	5000d	WEST	Carlbou, ME	5000d	KIDO Boise, ID	5000 5000r
KVIP R	edding, CA	1000d	WMCA	New York, NY	5000		Baltimore, MD	5000 1000d	WLAP Lexington, KY KTIB Thibodaux, LA	5000r
WGTO	Cypress Gardens, FL	50000r	WSYR	Syracuse, NY	5000	WBDN	Escanaba, MI Filnt, MI	1000a	KDWB Minneapolis-	5000
WDAK (Columbus, GA	5000r		Asheville, NC	5000 5000		Kallispell, MT	5000r	St. Paul, MN	5000
	Ft. Dodge, IA Monroe, LA	5000d 5000r		Youngstown, OH Yankton, SD	5000		Murphy, NC	1000d	KXOK St. Louis, MO	5000
WOMV	Pocomoke City, Mi		WFAA	Dallas-Ft, Worth, TX	5000	WSJS	Winston-Salem, NC	5000	KGVW Belgrade, MT	1000d
KNMX L	as Vegas, NM	5000d	KLUB S	Salt Lake City, UT	5000		Jamestown, ND	5000	KOH Reno, NV KLEA Lovington, NM	5000r 500d
	Wendell-Zebulon, NC	5000d		attie, WA	5000		Salem, OH Coudersport, PA	500d 1000d	WIRC Hickory, NC	1000d
	Canonsburg, PA	250d 250d	WMAM	Peshtigo, Wi	250r		Mayaguez, PR	1000	WMFD Wilmington, NC	1000
WOAN	Florence, SC Clarksville, TN	1000d	E 00	-516.9		WREC	Memphis, TN	5000	KWRO Coquille, OR	5000d
	Delta, UT	1000d		-			El Paso, TX	5000	WEJL Scranton, PA WQBS San Juan, PR	500d 5000
WRIC R	lichlands, VA	1000d	WBIL T	uskegee, AL	500d 5000	KERB	Kermit, TX Tyler, TX	1000d 1000	WPRO Providence, RI	5000
WYLO	lackson, WI	250d	KMI F	Bethel, AK resno, CA	5000	WVAR	Richwood, WV	1000d	KMAC San Antonio, TX	5000
				Montrose, CO	5000r				KSXX Sandy, UT	1000r
550-	-545.1		WDRO	Orlando, FL	5000	610	-491.5		KGDN Edmonds, WA	5000r 1000d
	nchorage, AK	5000	WGAC	Augusta, GA	5000r	1	Birmingham, AL	5000r	KZUN Opportunity, WA	1000a
KOY Ph	oenix, AZ	5000r		Nampa, ID Irbana, IL	5000 5000d	KARV	Russellville, AR		640-468.5	
	akersfleld, CA raig, CO	1000 5000r		Manhattan, KS	5000r	KAVL	Lancaster, CA	1000r		5055
WAYR	Orange Park, FL	1000d	WIBW	Topeka, KS	5000	KFRC	San Francisco, CA	5000	KFI Los Angeles, CA	5000 5000d
WGGA	Galnesville, GA	5000r	KALB /	Alexandria, LA	5000	WSNG	Tordngton, CT Mlami, FL	1000r 5000	WOI Ames, IA WHLO Akron, OH	1000d
KMVI W	/alluku, HI	5000 5000d	WTAG	Worcester, MA Traverse City, Mi	5000 2500r	WHY	A Pensacola, FL	500d	WNAD Norman, OK	1000d
WCDI C	Salina, KS Columbus, MS	1000r	KANA	Anaconda, MT	1000d	WCEH	Hawkinsville, GA	500d		
	Louis, MO	5000	WAGR	Lumberton, NC	500d	KUAM	Agana, GU	1000r	650-461.3	
KBOW	Butte, MT	5000r	WKSK	W. Jefferson NC	1000d		Russellville, KY	500d 5000	KYAK Anchorage, AK	50000r
WGR B	uffalo, NY	5000	KCMX	Ashland, OR	1000 5000	WDAE	Duluth, MN Kansas City, MO	5000	KORL Honolulu, HI	10000
	Pinehurst, NC	5000		larrisburg, PA San Juan, PR	5000	KOJM	Havre, MT	1000	WSM Nashville, TN	50000
	lismarck, ND Cincinnati, OH	5000r	ковн	Hot Springs, SD	500d		Chadron, NE	1000d	KIKK Pasadena, TX	250d
	Corvallis, OR	5000	WOFE	Rockwood, TN	1000d		Manchester, NH	5000r 5000	660-454.3	
WHLM	Bloomsburg, PA	1000		Lubbock, TX	500d		Alburquerque, NM Charlotte, NC	5000r		
WPAB	Ponce, PR	5000 1000r		Lawrenceville, VA Charleston, WV	500d 5000		Columbus, OH	5000	KFAR Fairbanks, AK	10000 1000d
WGNG	Pawtucket RI Widland, TX	5000r		LaCrosse, WI	5000	WIP F	hiladelphia, PA	5000	KCRO Omaha, NE WNBC New York, NY	50000
	San Antonio, TX	5000		240,000,	****	KILT	Houston, TX	5000	WESC Greenville, SC	10000d
WDEV '	Waterbury, VT	5000r	590-	-508.2			Logan, UT Roanoke, VA	5000r 5000r	KSKY Dallas, TX	10000d
	Harrisonburg, VA	5000r	WRAG	Carollton, AL	1000d		. Winchester, VA	5000		
	laine, WA Wausau, WI	5000r 5000		Anchorage, AK	5000	KONA	Kennewick, WA	5000	670-447.5	
WSAU	Wausau, Wi	3000	KBHS	Hot Springs, AR	5000d				KDLG Dillingham, AK	5000
560-	-535.4		KEXM	San Bernardino, CA	1000	620	-483.6		KPUA HIIO, HI	5000
	Dothan, AL	5000d		South Lake Tahoe, C Pueblo, CO	A 2500r 1000	KTAR	Phoenix, AZ	5000	KBOI Boise, ID	50000r 50000
	Kodiak, AK	1000		Panama City, FL	1000		Hanford, CA	1000	WMAQ Chicago, IL	50000
KBLU Y	uma, AZ	1000	WPLO	Atlanta, GA	5000	KWSE	Mt. Shasta, CA	1000d 5000d	680-440.9	
KSFO S	San Francisco, CA	5000r		Honolulu, HI	5000r	WSIII	Grand Junction, CO N St. Petersburg, FL	5000		10000r
	nver, CO	5000 5000r		wood River, IL	1000	WTRE	LaGrange, GA	1000d	KBRW Barrow, AK KNBR San Francisco, CA	50000
WIND	Mlami, FL Chicago, IL	5000		Lexington, KY	5000r	KIPA	HIIo, HA	5000	WWBA St. Petersburg, FL	1000d
	Middlesboro, KY	500d	WEEL B	Boston, MA	5000	KWAL	Wallace, ID	1000	WRNG North Atlanta, GA	25000r
WGAN	Portland, ME	5000	WJMS	Ironwood, MI	5000r	WTM	S Sloux City, IA T Louisville, KY	1000 500d	WCTT Corbin, KY	1000
WFRB	Frostburg, MD	5000d 5000r		Kalamazoo, MI Glendive, MT	5000 500d	WLB2	Bangor, ME	5000	WCBM Baltimore, MD WRKO Boston, MA	10000r 50000
	Springfield, MA Monroe, MI	500d	wow	Omaha, NE	5000	WJD)	(Jackson, MS	5000r	WDBC Escanaba, MI	10000r
	Duluth, MN	5000	WROW	Albany, NY	5000r	WVN.	J Newark, NJ	5000 5000r	KFEQ St. Joseph, MO	5000
KWTO	Springfield, MO	5000	WCAB	Rutherfordton, NC	500d	WHE	N Syracuse, NY C Durham, NC	5000r	KWKA Clovis, NM	500 10 00 r
	Great Falls, MT	5000 1000d		Wilson, NC Eugene, OR	5000 5000r		Portland, OR	5000	WINR Binghamton, NY WNYR Rochester, NY	250d
	Catskill, NY Elizabeth, NC	1000a	WARM	Scranton, PA	5000	WHJE	Greensburg, PA	2500r	WPTF Raleigh, N.C.	50000
	hiladelphia, PA	5000	WMBS	Uniontown, PA	1000	WCA	Y Cayce, SC	500d	WPTF Raleigh, N.C. WRGC Sylva, NC	10004
WIS Co	olumbia, SC	5000		Austin, TX	5000r		Knoxville, TN Wichita Falls, TX	5000 5000	WISR Butler, PA	250d 10000
WHBQ	Memphis, TN	5000r		Cedar City, UT Lynchburg, VA	5000r 1000	WVM	T Burlington, VT	5000	WAPA San Juan, PR WMPS Memphis, TN	10000r
	eaumont, TX enatchee, WA	5000 5000	KHO S	pokane, WA	5000	WWN	R Beckley, WV	1000r	KKYX San Antonio, TX	50000r
	Beckley, WV	5000r	10110			WTM	J Milwaukee, Wi	5000	KOMW Omak, WA	5000d
X				-499.7		630	-475.9		WCAW Charleston, WV	50000r
	-526.0			Enterprise, AL	1000d 5000r	1	U Albertville, AL	1000d	690-434.5	
WAAX	Gadsden, AL	5000r 5000d		Flagstaff, AZ Independence, CA	500d		B Thomasville, AL	1000d	WVOK Birmingham, AL	50000d
KLAC	Alturas, CA Los Angeles, CA	5000	KSXO	Redding, CA	1000	KJNC	Juneau, AK	1000r	KEOS Flagstaff, AZ KEVT Tucson, AZ	1000r 250d
WPLP	Pineilas Park, FL	500	KOGO	San Diego, CA	5000		A Magnolla, AR	1000d 1000	KBBA Benton, AR	250d
WACL	Waycross, GA	5000r	KIIX FI	I. Collins, CO	5000d	KHO	Monterey, CA W Denver, CO	5000	KAPI Pueblo, CO	250d
	Agana, GU	5000 1000r		Bridgeport, CT Jacksonville, FL	1000r	WMA	L Washington, DC	5000	WADS Ansonia, CT	1000d
	Paducah, KY Bethesda, MD	5000r	WMT	Cedar Rapids, IA	5000	WKB	X Savannah, GA	5000	WAPE Jacksonville, FL	50000r

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. Wavelength is given in meters. Listing indicates stations on the air as of September 29, 1980.

			U	. J .	AIVI	SIAII	JIN2	DI FREQUEN	IC Y
Call Location	W.P.	Call Location	W.P.	1	Call	Location	W.P.	Call Location	W.P.
KKUA Honolulu, HI KBLI Blackfoot, ID	10000 1000d	WHEB Portsmouth, NH KSEO Durant, OK	1000d 250d		WSJC Ma	napolis, MD gee, MS	250d 50000r	WCBS New York, NY WRRZ Clinton, NC	50000 1000d
KGGF Coffeyville, KS WTIX New Orleans, LA	10000r 10000r	KXL Portland, OR WPDX Clarksburg, WV	50000d 1000d		WJPW Ro	cklord, MI nsas City, MO	500d 50000r	WRFD Worthington, OH	5000d
KTCR Minneapolis, MN	500d		10000	1	KAFE San	ta Fe, NM	5000d	890-336.9	
KSTL St. Louis, MO KEYR Terrytown, NE	1000d 1000d	760-394.5			WKBC N.	enectady, NY Vilkesboro, NC	50000 1000d	WLS Chicago, IL	50000
KRCO Prineville, OR WYIS Phoenixville, PA	1000d 1000d	KFMB San Diego, CA KGU Honolulu, Hi	5000 10000		WCEC Ro	cky Mount, NC	1000d	WHNC Henderson, NC KBYE Okla, City, OK	1000d
KUSD Vermillion, SD	1000d	WJR Detroit, Mi	50000		WKVM Sa	Keesport, PA n Juan, PR	1000d 50000	RBYE ORIA. City, OR	1000d
KHEY El Paso, TX KPET Lamesa, TX	10000 250	WCPS Tarboro, NC. WORA Mayaguez, PR	1000d 5000		WQIZ St. KBHB Stu	George, SC	5000d 5000d	900-333.1	
KZEY Tyler, TX WZAP Bristol, VA	1000d				WCTA AIS	mo, TN	250d	WATV Birmingham, AL WGOK Mobile, AL	1000d
WNNT Warsaw, VA	10000d 250d	770-389.4		1	KBSN Cra	rireesboro, TN ne. TX	5000d 1000d	WOZK Ozark, AL	1000d 1000d
WELD Fisher, WV WAGO Oshkosh, WI	500d 250d	WCAL Northfield, MN	5000d 5000d		WPED Cro	zet, VA dgeville, WI	500d	KFRB Fairbanks, AK KHOZ Harrison, AR	10000 1000d
	2000	WEW St. Louis, MO KOB Albuquerque, NM	1000d 50000	-	WJJQ Tor	nahawk, Wi	250d 10000d	KBIF Fresno, CA	1000d
700-428.3		WABC New York, NY	50000		820-3			KGRB West Covina, CA WJWL Georgetown, DE	500d 1000d
KBYR Anchorage, AK WLW Cincinnati, OH	1000 50000	KXA Seattle, WA	1000d		KFRB Fair		10000r	WSWN Belle Glade, FL WMOP Ocala, FL	1000d 5000d
WEW CIRCINIAN, OA	50000	780-384.4		1	WAIT Chie	cago, iL	5000d	WJTH Calhoun, GA	1000d
710-422.3		KNOM Nome, AK	10000r	1	WIKY Eva	lumbus, OH	250d 5000d	WBML Macon, GA WEAS Savannah, GA	250d 5000d
WKRG Mobile, AL KAPZ Bald Knob, AR	1000r 250d	WBBM Chicago, IL WJAG Norfolk, NE	50000 1000d		WBAP Ft.	Worth, TX	50000	KNUI Kahului, HI KSGL Wichita, KS	5000 250d
KMPC Los Angeles, CA	50000r	WCKB Dunn, NC	50000		830-3	61.2		WFIA Louisville, KY	1000d
KERE Denver, CO KFIA Carmichael, CA	5000 250	WBBO Forest City, NC	1000d 1000d	1	KIKI Hono	lulu, HI	10000	WLSI Pikeville, KY KREH Oakdale, LA	5000d 250d
WGBS Miami, FL WUFF Eastman, GA	50000 1000d	KSPI Stillwater, OK WABS Arlington, VA	250d 1000d	1	WCCO MI	nneapolis-St. Pau	I, MN 50000	WKXA Brunswick, ME WBYA Laurel, MD	1000d
WROM Rome, GA	1000d				KBOA Kei	nett, MO	1000d	WATC Gaylord, MI	1000d 1000d
KEEL Shreveport, LA WEPA Euporo, MS	50000 2500d	790-379.5 WTSK Tuscaloosa, AL	2500		WNTC Ne	w York, NY	50000d	KTIS Minneapolis, MN WDDT Greenville, MS	2500d 1000d
WHB Kansas City, MO WOR New York, NY	10000r 50000	KCAM Glennallen, AK	2500d 5000		840-3	56.9		KFAL Fulton,MO KJSK Columbus, NE	1000d
WZOO Asheboro, NC	1000d	KURM Rogers, AR KCEE Tucson, AZ	500d 5000r		WMOB M	blie, AL	1000d	WBRV Boonville, NY	1000d 1000d
WEGG Rose Hill, NC WKJB Mayaguez, PR	250d 5000r	KOSY Texarkana, AR	1000r			w Britain, CT	1000d 50000	WKAJ Saratoga Springs, NY WKIK Granite Falls, NC	250d 500d
WQKI St. Matthews, SC	1000d	KXQR Clovis, CA KEKA Eureka, CA	500d 5000d		WVPO Str	oudsburg, PA	250d	WAYN Rockingham, NC	1000d
WTPR Paris, TN KGNC Amarillo, TX	250d 10000	KABC Los Angeles, CA WLBE Leesburg, FL	5000 5000r	1	WXEW Ya	bucoa, PR	5000	WIAM Williamston, NC WNYN Canton, OH	1000d 500d
KURV Edinburg, TX WQBX Blacksburg, VA	250 10000d	WNWS South Miami, FL	5000	1	850-3	52.7		WFRO Fremont, OH WCPA Clearfield, PA	500d 1000d
KIRO Seattle, WA	50000	WPFA Pensacola, FL WQXI Atlanta, GA	1000d 5000r	1		mingham, AL	50000r	WFLN Philadelphia, PA	1000d
WDSM Superior, WI	10000r	WYNR Brunswick, GA WGRA Cairo, GA	500d	Ť	KICY NOT KGKO Be	nton, AR	10000 1000d	WKXV Knoxville, TN WCOR Lebanon, TN	1000d 500d
720-416.4		KKON Kealekekua, HI	1000d 5000		KGOE The	ousand Oaks, CA	500 50000	KALT Atlanta, TX KIKR Course, TX	1000d
KOTZ Kotzebue, AK	5000	KSPD Boise, ID KBRV Soda Springs, ID	1000d 5000d	1	WVFR Rid	gefleld, CT	1000d	KFBA Floydada, TX	500d 250d
KUAI Eleele, HI WGN Chicago,IL	5000 50000	WRMS Beardstown, IL	500d			Insville, FL Palm Beach, FL	5000 1000	WODY Bassett, VA	250d 500d
KDWN Las Vegas, NV	50000r	KXXX Colby, KS WAKY Louisville, KY	5000d 5000r			thbert, GA tesboro, GA	500d 1000	WKDW Staunton, VA	1000d
730-410.7		WRUM Rumford, ME WSGW Saginaw, MI	1000d 5000r	1	KHLO HIK	o, HI	1000	WATK Antigo, WI	1000d 250d
WJMW Athens, AL	1000d	KGHL Billings, MT	5000		KLEU Wat	stal Lake, IL erioo, IA	500d 500d	910-329.5	
KSUD West Memphis, AR WLOR Thomasville, GA	250d 5000d	WTNY Watertown, NY WLSV Wellsville, NY	1000 1000d		WHDH Bo	ston, MA	50000	WTYN Lalayette, AL	
KLOE Goodland, KS	1000d	WTNC Thomasville, NC KFGO Fargo, ND	1000d 5000		WWJC Du		1000 10000d	KJJJ Phoenix, AZ	5000
WFMW Madisonville, KY WMTC Vancieve, KY	500d 1000d	WHTH Heath, OH	500	-	WMAG FO		10000d 5000d	KLCN Blytheville, AR KAMD Camden, AR	5000d 5000r
KTRY Bastrop, LA WARB Covington, LA	250d 250d	KWIL Albany, OR WAEB Allentown, PA	1000		WKIX Raid WJW Clev	lah, NC	10000r	KMJC El Cajon, CA KNEW Oakland, CA	5000
WJTO Bath, ME	1000d	WPIC Sharon, PA WEAN Providence, RI	1000d 5000	L	KRPT Ana	darko, OK	10000r 500d	KOXR Oxnard, CA	5000 5000r
WACE Chicopee, MA WVIC E. Lansing, MI	5000d 500d	WWBO Bamberg-Denmark,	SC	1	WEEU Rea	nstown, PA	10000	KPOF Denver, CO WRCQ New Britain, CT	5000r 5000
KFWRE Warrenton, MO KWOA Worthington, MN	1000d 1000d	WETB Johnson City, TN	1000d 5000d	1	WABA Ag	uadilla, PR	5000	WPLA Plant City, FL WGAF Valdosta, GA	1000
KURL Billings, MT	500d	WMC Memphis, TN KULF Houston, TX	5000 5000	1	WIVK Kno	arta, TN	50000d 250d	WAKO Lawrenceville, IL	5000 500d
KDAZ Albuquerque, NM WDOS Oneonta, NY	1000d 1000d	KFYO Lubbock, TX	5000r	1	WRAP No	iston, TX	10000d 5000r	WSUI Iowa City, IA KINA Salina, KS	5000 500d
WFMC Goldsboro, NC WOHS Shelby, NC	1000d 1000d	WSIG Mount Jackson, VA	1000d 1000d		KTAC Tac	oma, WA	10000r	WLCS Baton Rouge, LA WABI Bangor, ME	1000 5000
WJYM Bowling Green, OH	1000d	WTAR Norfolk, VA KGMI Bellingham,WA	5000 5000r		860-3	48.6		WFDF Flint, MI	5000r
KBOY Medford, Oreg. WNAK Nanticoke, PA	1000d 1000d	KJRB Spokane, WA	5000	1	WHRT Hai	tselle, AL	250d	WOKK Meridian, MS KOYN Billings, MT	5000r 1000d
WPIT Pittsburgh, PA WPAL Charleston, SC	5000d 1000d	WEAQ Eau Claire, WI	5000		WAMI Opp	, AL	1000d 1000d	KBIM Roswell, NM WRKL New City, NY	5000r
WLIL Lenoir, TN	1000d	800-374.8		1	KOSE Osc	eola, AR	1000d	WLAS Jacksonville, NC	1000d 5000
KKDA Grand Prairie, TX KSVN Ogden, UT	500d 1000d	WHOS Decatur, AL	1000d		KWRF War		1000d 10000r	KCJB Minot, ND WBRJ Martetta, OH	5000r 5000d
WPKX Alexandria, VA WMNA Gretna, VA	5000d 1000d	WMGY Montgomery, AL KINY Juneau, AK	1000d 5000	1	WAZE CIO	erwater, FL	500 1000d	WPFB Middletown, OH KGLC Miami, OK	1000r 1000
KULE Ephrata, WA WJMT Merrill, WI	1000d	KAGH Crossett, AR KVOM Morrilton, AR	250d 250d		WAEC Atta	nta, GA	1000d	KURY Brookings, OR	1000d
	1000d	KHIS Bakersfield, CA KBRN Brighton, CO	250d		WDMG Do	rion, IN	5000 250d	WAVL Apollo, PA WGBI Scranton, PA	5000d 1000r
740-405.2		WLAD Danbury, CT	500d 1000d		KWPC Mu	scatine, IA	250d 10000r	WSBA York, PA WPRP Ponce, PR	5000r 5000r
WBAM Montgomery, AL KMED Phoenix, AZ	50000d 1000d	WRKV Rockville, CT WSST Largo, FL	1000d 250d	1	WSON He	nderson, KY	500d	WNCG No. Charleston, SC	500d
KBRT Avalon, CA	10000d	WSUZ Palatka, FL WJAT Swalnsboro, GA	1000d 1000d	1		Barrington, MA	1000d 250d	WORD Spartanburg, SC KVAA Volga, SD WJCW Johnson City, TN	5000r 1000r
KCBS San Francisco, CA KSSS Colorado Springs CC		KTWG Agana, GU	10000		KNUJ New KARS Bele	Ulm, MN	1000d 250d	WJCW Johnson City, TN WEPG S. Pittsburgh, TN	5000r 500d
KVFC Cortez, CO WSBR Boca Raton, FL	1000r 1000r	WKZI Casey, IL KXIC lowa, City, IA	250d 1000d		WFMO Fal	mont, NC	1000d	KNAF Fredericksburg, TX	1000d
WKMK Blountston, FL	1000d	WKVE Cave City, KY WSHO New Orleans, LA	250d 1000d		KISD Medi		250d 1000d	KRIO McAllen, TX KIKM Sherman, TX	5000 1000
WKIS Oriendo, FL KYME Bolse, Idaho	5000r 500d	WCCM Lawrence, MA	1000d		WYJZ Pitts	burgh, PA adelphia, PA	1000d 10000d	KALL Salt Lake City, UT WNHV White River Jet., VT	5000r 1000d
WVLN Oiney, IL KROE Oskaloosa, IA	250d 250d	KQAD Luverne, MN WVAL Sank Rapids, MN	500d 2500d		WUCR Spa	irta, TN	1000d	WRNL Richmond, VA	5000
WNOP Newport, KY	1000d	KREI Farmington, MO WTMR Camden, NJ	1000d 5000d		KEST Ft. S	tockton, TX	1000d 250d	WTOY Roanoke, VA KORD Pasco, WA	1000d 1000d
WCAS Cambridge, MA KBAD Carlsbad, NM	250d 1000r	KQCV Oklahoma City, OK	250d		KPAN Hen	oford, TX ogdoshes, TX	250d 1000d	KIXI Seattle, WA KKSN Vancouver, WA	5000r
WGSM Huntington, NY WFTH Morehead City, NC	25000r 1000d	KPDQ Portland, OR WCHA Chambersburg, PA	1000d 1000d		KONO San	Antonio, TX	5000R	WHSM Hayward, WI	5000d
WPAQ Mount Airy, NC	10000d	WDSC Dillon, SC WEAB Greer, SC	1000d 250d		WEVA Emi	t Lake City, UT porla, VA	1000d 1000d	WDOR Sturgeon Bay, WI	1000d
KRMG Tulsa, OK WVCH Chester, PA	50000r 1000d	WDEH Sweetwater, TN	1000d		WOAY ON	HIII, WV	10000d 250d	920-325.9	
WIAC San Juan, PR WBAW Barnwell, SC	10000 1000d	KDDD Dumas, TX KBUH Brigham City, UT	250d 500d				2300	WKYD Andalusia, AL WWWR Russellville, AL	5000r
WIRJ Humbolt, TN	250d	WSVS Crewe, VA	5000d		870-3			KSRM Soldotna, AK	1000d 50 00
WBGY Tullahoma, TN KIRH Houston, TX	250d 50000	KQIN Burien, WA WKEE Huntington, WV	500d 5000d		KIEV Glene KAIM Hone		5000d 50000	KARN Little Rock, AR KLOC Ceres, Ca	5000 500d
KCMC Texarkana, TX WBCI Williamsburg, VA	1000	WDUX Waupaca, WI	5000d		WWL New	Orleans, LA	50000	KUES Palm Springs, CA	5000r
WRNR Martinsburg, WV	500d 500d	810-370.2			WKAR E. L.	ca, NY	10000d 5000r	KVEC San Luis Obispo, CA KLMR Lamar, CO	1000r 5000r
WBOO Baraboo, WI	250d	WJXL Jacksonville, AL	50000r			napolis, NC	1000d 5000	WGAM Dunnellon, FL WMEL Melbourne, FL	500d 1000
750-399.8		KGO San Francisco, CA KWSR Rifle, CO	50000 1000d		KJIM Fort	Worth, TX	250d	WGST Allanta, GA WVOH Hazelhurst, GA	5000r
KFQD Anchorage, AK	50000r	WBLW Royston, GA	250d		WFLO Farm	TVIIIE, VA	1000d	WGNU Granite City, IL	500d 500
WSB Atlanta, GA WBMD Baltimore, MD	50000 1000d	WDDW Johnson City, IL WATI Indianapolis, IN	250d		880-34			WMOK Metropolis, IL WBAA W. Lalayette, IN	1000d 5000r
KMMJ Grand Island, NE	10000d I	WEKG Jackson, KY	1000d	1	KRVN Lexi	ngton, NE	50000	KYFR Shenandoah, IA	2500
144	1001								

U.S. AM STATIONS BY FREQUI	J.	ı.	S.	AM	STA	TION	1 S	BY	FREQU	JENC.	Υ
----------------------------	----	----	----	----	-----	------	------------	----	-------	-------	---

U.S. AIVI 517	ATIO	15 BT FREQU) EI 4C	, 1		
Call Location	W.P.	Call Location	W.P.	Call Location	W.P.	Call Location W.P.
WTCW Whitesboro, KY	5000d	KXJK Forrest City, AR	5000d	WRCS Ahoskie, NC	1000d	KHAM Horseshoe Bend, AZ 250d
WBOX Bogalusa, LA KTOC Jonesboro, LA	1000 1000d	KFSA Fort Smith, AR KAHI Auburn, CA	1000r 5000d	WWIT Canton, NC WDAY Fargo, ND	5000d 5000	KMLO Vista, CA 5000r WKMK Blountstown, FL 5000d
WPTX Lexington Park, MD	5000r	KIMN Denver, CO	5000	WREO Ashtabula, OH	5000r 1000d	WYSI Jupiter, FL 1000d WYOK Soperton, GA 1000d
WMPL Hancock, MI KDHL Faribault, MN	1000d 5000	WLOF Orlando, FL WGTA Summerville, GA	5000d	WATH Athens, OH KAKC Tulsa, OK	2500r	WCFL Chicago, IL 50000
KWAD Wadena, MN KWYS W. Yellowstone, MT	1000	WGOV Valdosta, GA KBRJ Bolse, ID	5000r 5000d	KYTE Portland, OR WBLF Bellefonte, PA	5000 1000d	WREM Jenkins, KY 1000d WKLO Danville, KY
KORK Las Vegas, NV	5000r	KLER Orofino, ID	1000r	WWSW Pittsburgh, PA WJMX Florence, SC	5000 5000r	WLMS Leominater, MA 1000d WXTN Lexington, MS 5000d
KOLO Reno, NV KQEO Albuquerque, NM	5000r 1000r	WJPC Chicago, IL WXLW Speedway, IN	5000r 5000	WXQK Spring City, TN		KOTD Plattsmouth, NE 250d
WTTM Trenton, NJ WKRT Cortland, NY	1000 1000r	KOEL Oelwein, IA KJRG Newton, KS	5000r 500d	KIXL Austin, TX KNOK Ft. Worth, TX	1000d 1000d	WRNJ Hackettstown, NJ 1000d WIQT Horseheads, NY 5000r
WGHQ Kingston, NY WIRD Lake Placid, NY	5000d 5000d	WYWY Barbourville, KY WAGM Presque Isle, ME	1000d 5000	WSTX Christiansted, VI WYPR Danville, VA	5000r 1000d	WKBQ Garner, NC 1000d WSPF Hickory, NC 5000r
WBBB Burlington-Graham,		WCTN Potomac-Cabin John,		WANY Waynesboro, VA KREM Spokane, WA	5000r 5000r	KKIM Albuquerque, NM 10000d WSUM Parma, OH 500d
WPTL Canton, NC	5000d 500d	WROL Boston, MA	1000d 5000d	WWYO Pineville, WV	1000d	KTOK Okla. City, OK 5000
WMNI Columbus, OH KGAL Lebanon, OR	1000r 1000	WWJ Detroit, MI- KRSI St. Louis Park, MN	5000 1000	WHA Madison, WI WAKX Superior, WI	5000d 1000d	WIOO Carlisle, PA 1000 WKYB Hemingway, SC 10000d
WKVA Lewistown, PA	1000r 5000	WBKH Hattlesburg, MS KLIK Jefferson City, MO	5000d 5000r			WGOG Wahalla, SC 1000d WMUF Paris, TN 500d
WHJJ Providence, RI WTND Orangeburg, SC	1000d	KMTX Helena, MT	5000	980-305.9 WKLF Clanton, AL	1000d	KXRB Sioux Falls, SD 10000d KSTA Coleman, TX 250d
KKLS Rapid City, SD WLIV Livingston, TN	1000r 1000d	KNFT Bayard, NM WWWI Hyde Park, NY	5000d 500d	KFWJ Lake Havasu City, AZ	1000d	KGRI Henderson, TX 250d
KELP El Paso, TX KYXX Odessa, TX	1000r 1000r	WBBF Rochester, NY WIBX Utica, NY	1000 5000	KCAB Dardanelle, AR KINS Eureka, CA	1000d 5000r	KJJT Odessa, TX 250d WKDE Altavista, VA 1000d
KYST Texas City, TX KVEL Vernal, UT	1000d 5000d	WPET Greensboro, NC WLIT Steubenville, OH	500d 1000d	KEAP Fresno, CA KFWB Los Angeles, Ca	500d 5000	WRAR Tappahannock, VA 500d WHWB Rutland, VT 1000d
KITN Olympia, WA	1000r	KYES Roseburg, OR	1000d	KCTY Salinas, CA KGLN Glenwood Springs, CO	1000d	WVWI Charlotte Amalle, VI 1000 KOMO Seattle, WA 50000
KXLY Spokane, WA WMMN Fairmont, WV	5000 5000	WNCC Barnesboro, PA WPEN Philadelphia, PA	500d 5000	WSUB Groton-New London,		
WOKY Milwaukee, Wi	5000r	WBER Moncks Corner, SC WSPA Spartanburg, SC	500d 5000	WRC Washington, DC	1000d 5000	1010-296.9
930-322.4		KWAT Watertown, SD WAGG Franklin, TN	1000 1000d	WDVH Galnesville, FL WTOT Marianna, FL	5000d 1000d	WPYK Dora, AL 500d KXEG Phoenix, AR 1000r
WJBY Gadaden, AL	5000d	KDSX Denison-Sherman, TX	500	WBOP Pensacola, FL WPIP Pompano Beach, FL	1000d 2500d	KVNC Winslow, AZ 1000 KLRA Little Rock, AR 10000r
KTKN Ketchikan, AK KAPR Douglas, AZ	5000r 2500r	KPRC Houston, TX KSEL Lubbock, TX	5000 5000r	WKLY Hartwell, GA	1000d	KCHJ Delano, CA 5000r KCMJ Palm Springs, CA 1000r
KAFF Flagstaff, AZ KHJ Los Angeles, CA	5000d 5000	WXGI Richmond, VA. KJR Seattle, WA	5000d 5000	WPGA Perry, GA WRIP Rossville, GA	1000d 500	KIOI Hayward, CA 50000r
KEWQ Paradise, CA KIUP Durango, CO	500d 5000r	WERL Eagle River, WI WKAZ Charleston, WV	1000d 5000r	KUPI Idaho Falls, ID KSGM Chester, IL	1000d 1000r	KCMP Brush, CO 5000d WCNU Crestview, FL 1000d
WAFL Milford, DE WFXI Haines City, FL	500d 500d	WKTS Sheboygan, WI	500d 5000d	WITY Danville, IL KCIJ Shreveport, LA	1000 5000d	WBIX Jacksonville Beach, FL10000d WINQ Tampa, FL 50000d
WJAX Jacksonville, FL	5000	KMER Kemmerer, WY	50000	WCAP Lowell, MA WAOP Otsego, MI	5000 1000d	WGUN Atlanta, GA 50000 WCSI Columbus, IN 500d
WKXY Sarasota, FL WMGR Bainbridge, GA	1000r 5000r	960-312.3		WAYL Richfield, MN	5000	KSMN Masori City, IA 1000d
KSEI Pocatello, ID WTAD Quincy, IL	5000 5000r	WERC Birmingham, AL KARZ Phoenix, AZ	5000 5000	WAPF McComb, MS WKOR Starkville, MS	5000d 1000d	KIND Independence, KS 250d KDLA DeRidder, LA 1000d
WHON Centerville, IN WKCT Bowling Green, KY	500d 1000r	KAVR Apple Valley, CA. KNEZ Lompoc, CA	5000d 500	KMBZ Kansas City, MO KVLA Fallon, NV	5000 5000d	WKQT Garyville, LA 500d WSID Baltimore, MD 1000d
WFMD Frederick, MD	5000r	KABL Oakland, CA	5000	KICA Clovis, NM KMIN Grants, NM	1000 1000d	WITL Lansing, MI 500d WMIN Maplewood, MN 250d
WREB Holyoke, MA WBCK Battle Creek, MI	500d 5000r	WELI New Haven, CT WGRO Lake City, FL	5000 1000	WTRY Troy, NY	5000	WMOX Meridan, MS 10000r
KKIN Aitkin, MN WSKI Jackson, MS	1000d 5000	WJCM Sebring, FL WJAZ Albany, GA	1000d 5000d	WKLM Wilmington, NC WAAA WinSalem, NC	1000d 1000d	KCHI Chillicothe, MO 250d KXEN Festus-St. Louis, MO 50000d
KWOC Poplar Bluff, MO KYSS Missoula, MT	5000r 5000d	WRFC Athens, GA KSRA Salmon, ID	5000r 1000d	WONE Dayton, OH WILK Wilkes-Barre, PA	5000 5000r	WCNL Newport, NH 250d WINS New York, NY 50000
KOGA Ogallala, NE	500	WDLM E. Moline, IL	1000d	WAZS Summerville, SC WBZK York, SC	1000d 1000d	WWWX Albemarle, NC 1000d WFGW Black Mountain, NC 50000d
KCCC Carlsbad, NM WWNH Rochester, NH	1000d 5000	WSBT South Bend, IN KMA Shenandoah, IA	5000 5000	KDSJ Deadwood, SD	5000	WELS Kinston, NC 1000d
WPAT Paterson, NJ WBEN Buffalo, NY	5000 5000	WPRT Prestonsburg, KY KROF Abbeville, LA	5000d 1000d	WSIX Nashville, TN KFRD Rosenberg-Richmond,		WIOI New Boston, OH 1000d WTGC Lewisburg, PA 250d
WIZR Johnstown, NY WSOC Charlotte, NC	1000d 5000r	WBOC Sallsbury, MD WFGL Fitchburg, MA	5000r 1000	KVRN Sonora, TX	1000d 1000d	WHIN Gallatin, TN 1000d WORM Savannah, TN 250d
WITN Washington, NC	5000r	WHAK Rogers City, MI	5000d	KSCV Richfield, UT WFHG Bristol, VA	5000d 5000r	KDJW Amarillo, TX 5000r KLAT Houston, TX 5000d
WEOL Elyria, OH WKY Oklahoma City, OK	1000 5000	KLTF Little Falls, MN WABG Greenwood, MS	5000d 1000r	WMEK Chase City, VA	500d	KKIK Wako-Marlin, TX 10000r WELK Charlottesville, VA 1000r
KAGI Grants Pass, OR KSWB Seaside, OR	5000r 1000d	KGIR Cape Girardeau, MO KFLN Baker, MT	5000r 5000d	WHAW Weston, WV	5000d 1000d	WMEV Marion, VA 1000d
WCNR Bloomsburg, PA WEKO Cabo Rojo, PR	1000r 500	KNEB Scottsbluff-Gering, NE KNDN Farmington, NM	1000r 5000d	WCUB Manitowoc, WI WNBI Park Falls, WI	1000d 1000d	WPMH Portsmouth, VA 5000d WCST Berkeley Springs., WV 250d
KSDN Aberdeen, SD WSEV Sevierville, TN	5000r 5000d	WEAV Plattsburg, NY WAAK Dallas-Gastonia, NC	5000 1000d	WPRE Prairie du Chien, Wi	1000d	WXYQ Stevens Pt., WI 250d
KDET Center, TX	1000d	WFTC Kinston, NC	5000r	990-302.8		1020-293.9
KCCW Terrell Hills, TX WLLL Lynchburg, VA	5000r 5000d	WWST Wooster, OH KGWA Enid, OK	1000d 1000	WEIS Centre, AL	250d 1000d	KTNQ Los Angeles, CA 50000 WCIL Carbondale, IL 1000d
KBFW Bellingham, WA KVGM Yakima, WA	1000d 1000d	KLAD Klamath Falls, OLR WHYL Carilsie, PA	5000 5000d	WWWF Fayette, AL WTCB Flomaton, AL	500d	WPEO Peorla, IL 1000d
WGNT Huntington, WV KROE Sheridan, WY	5000r 5000d	WKZA Kane, PA WPCN Mount Pocono, PA	1000d 1000d	KTKT Tucson, AZ KKIS Pittsburg, CA	10000r 5000	KBCQ Roswell, NM 50000 KDKA Pittsburgh, PA 50000
WLBL Auburndale, WI	5000d	WATS Sayre, PA	1000d	KBLS Santa Barbara, CA KRKS Denver, CO	1000d 5000d	1030-291.1
940-319.0		WBEU Beautort, SC WBMC McMinnville, TN	1000d 500d	WNTY SouthIngton, CT WHOO Orlando, FL	500d 50000r	WBZ Boston, MA 50000
KMGX Tucson, AZ	1000r	KIMP Mt. Pleasant, TX KGKL San Angelo, TX	1000d 5000r	WDWD Dawson, GA	1000d 250d	KCTA Corpus Christi, TX 50000d WOSO San Juan, PR 10000
KFRE Fresno, CA WINE Brookfield, CN	50000 1000d	KAYK Provo, UT WFIR Roanoke, VA	5000r 5000	WGML Hinesville, GA KHVH Honolulu, HI	10000	KTWO Casper, WY 50000
WLQH Chiefland, FL WINZ Miami, FL	1000d 50000r	KALE Richland, WA WTCH Shawano, Wi	5000r 1000	WCAZ Carthage, IL WITZ Jasper, IN	1000d 1000d	1040-288.3
WMAZ Macon, GA KDEO Walpahu, HI	50000r 1000	970-309.1		WERK Muncle, IN KAYL Storm Lake, IA	250d 250d	KPBC Dallas, TX 1000d
KMIX Mount Vernon, IL	5000r	WERH Hamilton, AL	5000d	KRSL Russell, KS WNNR New Orleans, LA	250d 250d	KPOI Honolulu, HI 10000 WHO Des Molpes, IA 50000
KIOA Des Moines, IA WCND Shelbyville, KY	10000r 1000d	WTBF Troy, AL KIAK Fairbanks, AK	5000r 5000	KRIH Rayville, LA	250d	1050-285.5
WGFP Webster, MA WIDG St. Ignace, MI	250d 5000d	KVWM Show Low, AZ KNEA Jonesboro, AR	5000d 1000d	WRNN Clare, MI WABO Waynesboro, MS	250d 1000d	WRFS Alexander City, AL 1000d
WJOR South Haven, Mi WCPC Houston, MS	1000d 50000r	KUZZ Bakersville, CA	1000	KRMO Monett, MO KSVP Artesia, NM	250d 1000r	WCRi Scottsboro, AL 250d KTBA Tuba City, AZ 5000d
KSMW Aurora, MO	500d	KCHV Coachella, CA KBEE Modesto, CA	5000r 1000	WEEB Southern Pines, NC WBTE Windsor, NC	5000d 1000d	KSOH Little Rock, AR 1000d
KVSH Valentine, NE WKYK Burnsville, NC	5000d 1000r	KFEL Pueblo, CO WOZN Jacksonville, FL	1000d 5000d	WJEH Gallipolis, OH WTIG Massillon, OH	1000d 250d	KBBV Big Bear Lake, CA 250d KOFY San Mateo, CA 1000d
WFNC Fayetteville, NC WCIT Lima, OH	50000r 250d	WFLA Tampa, FL WKLS Atlanta, Ga	5000 5000d	KRKT Albany, OR	250d	WSO Wasco, CA 5000d WJSB Crestview, FL 5000d
KGRL Bend, OR KWRC Woodburn, OR	1000d 250d	WVOP Vidalia, GA KPUA Hilo, HI	5000d 5000	WZZD Philadelphia, PA WVSC Somerset, PA	50000r 5000d	WCMG Jacksonville, FL 5000d WHBO Tampa, FL 250d
WESA Charlerol, PA WGRP Greenville, PA	1000d	KAYT Rupert, ID	1000d	WPRA Mayaguez, PR WLKW Providence, RI	1000 50000d	WHGI Augusta, GA 5000d WCGA Conyers, GA
WVLV Lebanon, PA	1000d	WMAY Springfield, IL WAVE Louisville, KY	1000r 5000	WAKN Alken, SC WNOX Knoxville, TN	1000d 10000	WMNZ Montezuma, GA 250d
WIPR San Juan, PR WECO Wartburg, TN	10000 1000d	KSYL Alexandria, LA WCSH Portland, ME	1000 5000	KWAM Memphis, TN	10000d	WDZ Decatur, IL 1000d WTCA Plymouth, IN 250d
KIXZ Amarillo, TX KTON Belton, TX	5000r 1000d	WAMD Aberdeen, MD WESO Southbridge, MA	500 1000d	KALO Beaumont, TX KAML Kenedy-Karnes City,	1000 TX 250d	KBUF Garden City, KS 5000d WNES Central City, KY 500d
KADO Texarkana, TX KBRE Cedar City, UT	2500d 10000d	WUPY Ishpeming, MI	5000d	KNIN Wichita Falls, TX KDYL Tooele, UT	10000 1000d	KLPL Lake Providence, LA 250d KVPI Vilia Platte, LA 250d
WNRG Grundy, VA	5000d	KQAQ Austin, MN	1000 5000r	WNRV Narrows-Pearlsburg,	5000d	WMSG Oakland, MD 500d
WKGM Smithfield, VA WFAW Ft. Atkinson, WI	1000 500d	WRKN Brandon, MI KOOK Billings, MT	1000d 5000	WANT Richmond, VA	1000d	WGAY Silver Spring, MD 1000d WPAG Ann Arbor, MI 5000d
WCSW Shell Lake, Wi	1000d	KJLT No. Platte, NE KNVU Las Vegas, NV	5000d 500r	WNNO Wisconsin Delis, WI	1000d	KLOH Pipestone, MN 1000d WACR Columbus, MS 1000d
950—315.6	4000	WWDJ Hackensack, NJ	5000 1000d	1000-299.8 WVOV Huntsville, AL	10000d	KMIS Portageville, MO 1000d KSIS Sedalla, MO 1000d
WLSQ Montgomery, AL KRXA Seward, AK	1000	WEBR Buffalo, NY	5000	WABT Montgomery, AL	5000	WBNC Conway, NH 1000d
KRXA Seward, AK	1000,	WCHN Norwich, NY	1000	KRHS Bullhead City, AZ	1000d	WSCV Peterborough, NH 1000d

Call	Location	W 0	L Call Lands		A. A.				
	Location	W.P.	Call Location	W.P.	Call	Location	W.P.	Call Location	W.P.
WYRG M	laidwinsville, NY fassena, NY	1000d 1000d	WKGX Lenoir, NC WWDR Murtreesboro, NC	5000 1000d		Brazil, IN	500d	WJJD Chicago, IL	50000d
WHN Ne	w York, NY	50000	KNDK Langdon, ND	1000d		t. Pleasant, IA ellington, KS	250d 250d	WBQN Barceloneta, PR WSL Salt Lake City, UT	1000 50000
	ranklin, NC lincolnton, NC	1000d 1000d	WMVR Sidney, OH- KWJJ Portland, OR	250d	WKED F	rankfort, KY	500 d	The same same same same same same same sam	30000
WWGP S	Sanford, NC	1000d	WQRO Huntingdon, PA	50000r 1000d	KWKH S	lurray, KY Shreveport, LA	50000	1170-256.3	
WZIP CI	ncinnati, OH awton, OK	1000d	WEEP Pittsburgh, PA	50000d	WCXI D	etroit, Mi	50000r	WCOV Montgomery, AL	10000r
KFMJ T	uisa, IL	250d 1000d	WLEY Cayey, PR KRLD Dallas, TX	250 50000	WDGY I	Minneapolis, MN Guifport, MS	50000 500d	KJNP North Pole, AK KCBQ San Diego, CA	50000 50000r
WBUT B	ugene, OR	1000d	KRPX Price, UT	2500	KYOO B	lolivar, MO	250d	KLOK San Jose, CA	50000r
WSKE E	verett, PA	500d 1000d	WKBY Chatham, VA WZTQ Hurricane, WV	1000d 5000d	WNEW I	New York, NY lenson, NC	50000 1000d	KUAD Windsor, CO WRTT Vernon, CT	1000d
WLYC W	/iiilamsport, PA Pastilio, PR	1000d			WCBX E	den, NC	1000d	WHNE Cumming, GA	1000d
WSMT S	parta, TN	1000d 1000d	1090-275.1		WJTP N	ewland, NC lismarck, ND	1000d 10000d	KOHO Honolulu, HI WLBH Mattoon, IL	5000 5000d
KIIZ KIII	een, TX onway, SC	250d 5000d	KAAY Little Rock, AR KNCR Fortuna, CA	50000 10000d	WYNO	velsonville, OH	250d	KQKI Bayou Vista, LA	1000d
KPXE LIE	berty, TX	250d	KLOR Denver, CO	50,000r		aton, OH rownsville, PA	250d 5000d	KSTT Davenport, IA WJMQ Norfolk, MA	1000 1000d
KCAS SI	aton, TX sate City, VA	250d 1000d	WROS Jacksonville, FL WMFL Monticello, FL	1000d	WEEO V	Vaynesboro, PA	1000d	WVLC Orleans, MA	1000d
WBRG L	ynchburg, VA	1000d	WBAF Barnesville, GA	1000d	WAMG	Camden, SC Gallatin, TN	1000d 2500d	KOWO Waseca, MN KJAS Jackson, MO	1000d 250d
	iorfolk, VA	5000d 5000d	WCRA Effingham, IL WGLC Mendota, IL	1000d 250d	WDTM S	Selmer, TN	250d	WKZE Orleans, MS WCLN Clinton, NC	
WADC P	arkersburg, WV	5000d	KHAI Honolulu, Hi	5000	KQTI Ed	ina, TX emphis, TX	2500d 1000d	KFNW Fargo, ND	1000d 10000d
WOKI Ea	ou Claire, WI aukauna, WI	1000d 1000d	WFCV Fort Wayne, IN KVDB Sloux Center, IA	1000d 500d	WRAL R	ainelle, WV	1000d	WHLW Lakewood, NJ	5000d
WLIP Ke	nosha, Wi	250d	KNWS Waterloo, IA	1000d	WISH M	liwaukee, Wi	50000r	WBRW Sommerville, NJ WWLE Cornwall, NY	500d 1000d
4000			WSLG Gonzales, LA WBAL Baltimore, MD	10000d 50000	1140	-263.0		KVOO Tuisa, OK	50000
	-282.8		WILD Boston, MA	.5000d	KRAK S	ecramento, CA	50000	WLEO Ponce, PR WAMB Donelson, TN	250 25,000r
KKKQ Te	empe, AZ an Buren, AR	5000r 500d	WMUS Muskegon, MI WCAR Garden Cily, Mi	1000d 250d	KVLI Lai	ke Isabella, CA aim Springs, CA	500d	KPUG Bellingham, WA	10000r
KPAY CH	nico, CA	10000	KEXS Excelsior Springs, N	4O 250d		urlington, CO	10,000r 1000d	WWVA Wheeling, WV WLKE Waupun, Wi	50000 1000d
	ongmont, CO itusville, FL	10000d 10000r	KBOZ Bozeman, MT KRZY Albuquerque, NM	5000 50000r	WQBA N	Alami, FL	10000		
WXLX MI	lliedgeville, GA	1000r	WKTE King, NC	1000d	WVEL P	ekin, IL	5000d	1180-254.1	
	allapoosa, GA aidwell, ID	5000 10000d	WBZB Selma-Springfield, KRZY Albuquerque, NM	NC 1000d 50,000r	WAWK F	(endaliville, IN lukon, IA	250d	WLDS Jacksonville, IL KOFI Kallspell, MT	1000d
WMCL M	IcLeansboro, IL	2500d	KTGO Tioga, ND	1000d	WKCM L	ewisport, KY	1000d	WHAN Rochester, NY	10000 50000
	ochelle, IL mestown, KY	250d 2500d	WKFI Wilmington, OH KLWJ Umatilia, OR	1000 d 2500 r	WKCM H	ławesville, KY	2500r	4400 000	
WNOE N	lew Orleans, LA	50000r	WBOZ San German, PR	250	KFIX LIB	alyerville, KY erty, MO	500d	1190-252.0	
WGTR N	atick-Framingham, I	MA 50000r	WMTY Greenwood, SC WKSP Kingstree, SC	1000d 1000d	KCTE S	outhwest City, MO	250d	WHIY Moulton, AL WRSM Sumiton, AL	1000d 1000d
WHFB B	enton Harbor-St. Jos	seph,	WHAR Englewood, TN	1000d	KPWB P	IcComb, MS ledmont, MO	500 1000d	WAYD Ozark, AL	1000d
WBMB W	West Branch, Mi	5000d 1000d	WJKM Hartsville, TN WGOC Kingsport, TN	1000d 1000d	KMJJ No	orth Las Vegas, NV Varsaw, NY	10000r	KRDS Tolleson, AZ KMCW Augusta, AR	5000r 500d
WKKQ H	libbing, MN	5000d	KACO Beliville, TX	250d	WRNA C	china Grove, NC	1000d 250d	KJEM Bentonville, AR	500d
KFIL Pre	ston, MN libbing, MN	1000d 5000d	KKYN Plainview, TX KANN Ogden, UT	5000 d 5000 d	WCLW N	fansfield, OH klahoma City, OK	250d	KEZY Anahelm, CA KNBA Vallejo, CA	5000r 1000d
WJLJ Tu	pelo, MS	250d	KING Seattle, WA	50000		ew Castle, PA	1000d 5000d	KADE Boulder, CO	5000d
KBUG Sp	pringfield, MO	500d 1000d	WISS Berlin, WI WAGE Rice Lake, WI	500 1000d		n Juan, PR	10000	WAVS Ft. Lauderdale, FL WHHL Pine Castle-Sky Lak	5000d
WHN! Me	ebane, NC	1000d	WAGE Rice Lake, WI	10000	WIXC Fa	loux Fails, SD syetteville, TN	10000r 5000d		FL 1000d
	Ionroe, NC Pauls, NC	1000d 250d	4400 0700		KSKS C	onroe, TX lineral Wells, TX		WGKA Atlanta, GA WOWO Ft. Wayne, IN	5000r 50000
WCOK S	parta, NC	250d	1100-272.6		WRVA R	ichmond, VA	250d 50000	KDAO Marshalltown, IA	250d
	anton, OH ladephia, PA	5000d 50000	KFAX San Francisco, CA KREX Grand Junction, CO	50000 50000r	WSPC S	t. Paul, VA	1000d	KRZJ Beloit, KS KNEK Washington, LA	2500d 250d
WALD W	alterboro, SC	1000d	WLBB Carrollton, GA	1000d	1150-	-260.7		WANN Annapolis, MD	10000d
KGFX PK	ewport, TN	10000r 1000d	KHEI Kihel, HI WHLI Hempstead, NY	10000d		eneva, AL	1000d	WKOX Framingham, MA WXGR Bay St. Louis, MS	1000d 5000d
WPHC W	averly, TN	1000d	WWWE Cleveland, OH WGPA Bethlehem, PA	50000 250d		uscaloosa, AL	5000r	KHAD Desoto, MO KWMB Wabasha, MN	5000d 1000d
KHYM GI	Paso, TX Ilmer, TX	10000d 10000d	HOPA Delinenen, PA	2300		ong Island, AK ooildge, AZ	5000 1000	KKOJ Jackson, MN	5000d
KCLT Lo	ckhart, TX	250d	1110-270.1		KXLR No	orth Little Rock, AR	5000r	KJLA Kansas City, MO KKJY Albuquerque, NM	1000r 1000d
	Inters, TX outh Sait Lake City, I	1000d	WBCA Bay Minette, AL	10000d	KBAI Mo	s Angeles, CA erro Bay, CA	5000r 5000	WLIB New York, NY	10000
		10000d	WBIB Centerville, AL KHAC Window Rock, AZ	1000d 10000d	KPLS Sa	nta Rosa, CA nglewood, CO	5000r 5000r	WSML Graham, NC WIXE Monroe, NC	1000r 1000d
	-280.2	- 1	KGFL Clinton, AR	1000d	WCNX M	liddletown, CN	1000d	KXKS Albuquerque, NM	
	rmingham, AL Angeles, CA	50000r 50000	KAKA Dermott, AR KRLA Pasadena, CA	10000d 50000r	WNDB D	llmington, DE atona Beach, FL	5000 1000	KEX Portland, OR WBMJ San Juan, PR	50000 1000c
WANM T	allahassee, FL	10000d	KPIP Roseville, CA WQYK Tampa, FL	5000r	WTMP T	emple Terrace, FL	5000r	WJES Johnston, SC	1000d
WILD E-M	dienapolis, IN herville, IA	50000r 250d	WEBS Calhoun, GA	10000d 250d		ort Valley, GA sidosta, GA	1000d	KOKK Huron, SD KLIF Dallas, TX	500d 50000r
KFDI WIG	chita, KS	10000r	WMBI Chicago, IL WFBM Noblesville, IN	5000d 1000d	WGGH N	farion, IL	5000d	WAMB Donelson, TN	5000r
WSRG EI	ikton, KY lannibal, MO	.250d 5000r	WKOZ Cadiz, KY	1000d		ockford, iL irlington, iA	1000d 500d	WSVC Dunlap, TN WHMT Humboldt, TN	500d 500d
KATQ PI	entywood, MT	5000d	WCBR Richmond, KY WFCG Franklinton, LA	250d 1000d	KWKY D	es Moines, IA	1000	WSGE Springfield, TN	250d
KERR PO	entywood, MT	5000or	KPAL Pineville, LA	500d	KSAL Sa WMST M	t. Sterling, KY	5000 500d	WBDY Bluefleid, VA	10,000d
WKMB S	tirling, NJ	250d	WUHN Pittsfield, MA WUNN Mason, Mi	1000d 1000d	WLOC M	unfordville, KY	1000d	1200-249.9	
WKDR PI WSCP Sa	lattsburgh, NY andy Creek-Pulaski,	5000d	WJML Petoskey, MI	10000d	WQMR S	ston Rouge, LA kowhegan, ME	5000 5000d	WGDL Lares, PR	
	NY	2500d	WHYT Noblesville, MN WKRA Holly Springs, MS	1000d 1000d	WHUE B	oston, MA It. Pieasant, Mi	5000	WOAI San Antonio, TX	50000
WGOS H	reenville, NC lighpoint, NC	10000 1000d	KFAB Omeha, NE	50000	KASM A	bany, MN	1000r 1000d	1210-247.8	
WKOK S	unbury, PA ecibo, PR	10000r 500	KCIA Humble City, NM WVNH Salem, NH	1000d 5000d	KRMS O	sage Beach, MO	1000d 5000	KZOO Honolulu, HI	1000
WHYZ G	reenville, SC	50000d	WSFW Seneca Falls, NY	1000d	KDQQ A	buquerque, NM	5000r	WILY Centralla, IL WKNX Saginaw, Mi	1000d
WFLI Loc	okout Mountain, Chattanoonga, TN	50000r	WTBQ Warwick, NY WBT Charlotte, NC	250d 50000	WRUN U	tica, NY uriington-Graham,	5000r	WADE Wadesboro, NC	10000d 1000d
WDIA Me	mphis, TN	50000r	WELX Xenia, OH KEOR Atoka, OK	250d		NC	1000d	WAVI Dayton, OH KGYN Guymon, OK	250d 10000
KWEL MI	dland, TX	1000d 1000	KBND Bend, OR	5000d 10000r		oldsboro, NC uyahoga Falls, OH	5000r 1000r	WCAU Philadelphia, PA	50000
KENR Ho	ouston, TX	10000r	WJSM Martinsburg, PA WNAR Norristown, PA	1000d	WIMA LI	na, OH	1000	WHOY Salinas, PR	5000r
	artottesville, VA ckley, WV	5000 10000	WKEG Washington, PA	500d 1000d		cAlester, OK amath Falls, OR	1000r 5000r	1220-245.8	
	adison, Wi	10000r	WVJP Caguas, PR WHIM Providence, RI	2500r 5000d	KKEY Po	rtland, OR	5000d	WBUL Birmingham, AL	1000d
4			WSLV Ardmore, TN	1000d		untingdon, PA highton, PA	5000d 1000d	WABF Fairhope, AL	1000d
1080-			WUAT Pikesville, TN KDRY Alamo Heighta, TX	250d 1000d	WKPA N	w Kensington, PA	1000d	KVSA McGehee, AR KLIP Fowler, CA	1000d 250d
WKAC At		5000d 500d	KTEK Alvin, TX	500d	WTYC Ro	angeburg, SC ock Hill, SC	5000r 1000d	KIBE Palo Alto, CA	5000d
KANC An	nchorage, AK	10000	WZAM Nortolk, VA	50000d	WSNW S	eneca, SC	1000d	KLIT Pomona, CA KBNO Denver, CO	250d 1000d
KSCO Sa WTIC Hai	inta Cruz, CA	10000r 50000	1120-267.7		KIMM Ra	pid City, SD Chattanoga, TN	5000d 5000r	WOMN Hamden, CT	1000d
WVCG C	oral Gables, FL	50000r	WUST Washington, DC	1000d	WCRK M	orristown, TN	1000r	WK7Z Jacksonville, FL WMJK Kissimee, FL	5000d 1000d
	simmee, FL ort St. Joe, FL	5000d 1000d	KMOX St. Louis, MO	50000	KCCT Co	ollege Station, TX orpus Christi, TX	1000r 1000d	WCMQ Miami, FL	1000d
WBIE Ma	rietta, GA	10000d	WWOL Buttalo, NY KPNW Eugene, OR	1000d 50000	KISO EI I	Paso, TX hiand Park, TX	1000d	WQSA Sarasota, FL WCLB Camilla, GA	1000d 1000d
KIOE Hor	nolulu, HI eur d'Alene, ID	5000 10000r	WMSW Hattilo, PR	1000	KJBC Mid	diand, TX	1000 1000d	WPLK Rockmart, GA	5000d
WPOX Po	ontiac, IL	1000d	KCLE Cleburne, TX WVUV Leone, Am. Samoa	250d 10000		rt Neches, TX	500d 500d	WSFT Thomaston, GA WLPO LaSalle, IL	250d 1000d
KOAK Re	ilparaiso, IN id Oak, IA	250d 250d			KFHM Sa	n Antonio, TX	1000d	WKRS Waukegan, IL	1000d
WKJJ Lo	uisville, KY	10000r	1130-265.3	4	KNOI Put KAYO Se	iman, WA	1000d	WSLM Salem, IN KJAN Atlantic, IA	5000d 250d
	orthfield, MN	1000d 1000d	KAAB Batesville, AR KRDU Dinuba, CA	250d 1000	WABH C	nurchville, VA	5000r 1000d	KOUR independence, IA KOFO Ottawa, KS	250d 250d
WECP Ca	arthaga, MS ist Prairte, MO	5000d	KSDO San Diego, CA	50000r	WELC W	pleton, WI	1000d	WFKN Franklin, KY	250d
KJEL Lab	anon, MO	500d 250d	WPUL Bartow, FL WLBA Gainesville, GA	1000d 10000d		ippewa Falls, WI	1000d 5000d	WEQO Whitey City, KY KBCL Shreveport, LA	1000d 250d
	mhurat, NY aurinburg, NC	1000d 5000	WMGA Moultrie, GA KLEI Kalius, Hi	10000r 10000	1100	252 5		WLBI Denham Springs, LA	250d
			RECI ROMUE, MI	IUUUU		-258.5		WSME Sanford, ME	1000d

Call Location	W.P.	Call Location	W.P.	Call Location	W.P.	Call Location	W.
BCH Hastings, Mi	250d	KELY Ely, NV KLAV Las Vegas, NV	1000r 1000	WEBQ Harrisburg, IL WTAX Springfield, IL	1000 1000	WGL Ft. Wayne, IN WRAY Princeton, IN	100
MDC Hazelhurst, MS	5000d 250d	KCBN Reno, NV	1000	WSDR Sterling, IL	500r	KCFI Cedar Falls, IA KFKU Lawrence, KS	500 500
ZYM Cape Giradeau, MO BHM Branson, MO	250d 1000d	WMOU Berlin, NH WATSV Claremont, NH	1000r 1000	WHBU Anderson, IN KWLC Decorah, IA	1000 1000r	WREN Topeka, KS	500
PW Union, MO LBK Keene, NH	1000d 1000d	WCMC Wildwood, NJ KPSA Alamogordo, NM	1000 1000	KBIZ Ottumwa, IA KICD Spencer, IA	1000	WNVL Nicholasville, KY WLCK Scottville, KY	500 500
GNY Newburgh, NY	5000d	KOTS Deming, NM	1000	KIUL Garden City, K9	1000	WGUY Bangor, ME WARE Ware, MA	500 5000
SOQ N. Syracuse, NY KMT Kings Mtn., NC	1000d 1000d	KYVA Gallup, NM KFUN Las Vegas, NM	1000 1000	KAKZ Wichita, KS WINN Louisville, KY	1000	WXOX Bay City, MI	1000
REV Reidsville, NC	1000d 5000d	KRSY Roswell, NM WECK Cheektowaga,	1000 1000r	WFTM Maysville, KY WPKE Pikeville, KY	1000	KBRF Fergus Falls, MN KCUE Red Wing, MN	5000 1000
DR Oakes, ND	1000d	WENY Elmira, NY	1000	WSFC Somerset, KY KASO Minden, LA	1000	WHNY McComb, MS KBTC Houston, MO	500 1000
GAR Cleveland, OH ERT Van West, OH	50000 250d	WIGS Gouverneur, NY WHUC Hudson, NY	1000 1000	KANE New Iberia, LA	1000	KIKC Forsyth, MT	5000
IMC Midwest City, OK BLY Gold Beach, OR	250d 1000d	WLFH Little Falls, NY WFAS White Plains, NY	1000	WCOU Lewiston, ME WMKR Millinocket, ME	1000	WKBR Manchester, NH WMTR Morristown, NJ	500 500
CS Salem, OR	1000d	WSKY Asheville, NC	1000 1000	WCEM Cambridge, MD WJEJ Hagerstown, MD	1000 1000r	WIPS Ticonderoga, NY WFAG Farmville, NC	1000 500
	1000d 1000d	WFAI Fayetteville, NC WMFR High Point, NC	1000	WHAI Greenfield, MA	1000	WKDX Hamlet, NC	1000
WL Camden, TN	250d 2500d	WISP Kinston, NC WNNC Newton, NC	1000	WSOX W. Yarmouth, MA WATT Cadillac, MI	1000r 1000	WBRM Marlon, NC WCHO Washington Court F	louse
CPH Etowah, TN	1000d	WCBT Roanoke Rap., NC	1000 1000	WCBY Cheboygan, MI WJIM Lansing, MI	1000	WLEM Enporlum, PA	OH 50
LXO Lewisburg, TN EE Weathertord, TX	250d 500d	WUBE Cincinnati, OH WCOL Columbus, OH	1000	WMFG Hibbing, MN	1000	WPEL Montorte, PA	100
LL Woodville, TX SD Big Stone Gap, VA	250d 1000d	WCOL Columbus, OH WIRO Ironton, OH	1000 1000	WJON St. Cloud, MN WMPA Aberdeen, MS	1000r 1000	WTAE Pittsburgh, PA WNOW York, PA	100
AX Falls Church, VA	5000d	WCWA Toledo, OH	1000 1000	WGRM Greenwood, MS WGCM Gulfport, MS	1000r 1000	WTMA Chariston, SC WCKM Winnsboro, SC	500 50
SY Auburn, WA (WL Florala, AL	2500d 1000r	KADA Ada, OK WBBZ Ponca City, OK	1000	WMIS Natchez, MS	1000	WKBL Covington, TN	100
230-243.8		KVAS Astoria, OR KRNS Burns, OR	1000 1000	KFMO Flat River, MO KWOS Jefferson City, MO	1000	WZZI Madisonville, TN WNTT Tazewell, TN	50 50
AUD Auburn, AL	1000r	KHSN Coos Bay, OR	1000	KNEM Nevada, MO KBMY Billings, MT	250 1000	KPRE Paris, TX KPAC Port Arthur, TX	50 500
IBB Haleyville, AL BHP Huntsville, AL	1000r 1000r	KRDR Gresham, OR KYJC Medford, OR	1000	KLTZ Glasgow, MT	1000	KUKA San Antonio, TX	100
OD Jackson, AL	1000r	KQIK Lakeview, OR KTDO Toledo, OR	1000	KLYQ Hamilton, MT KBLL Helena, MT	1000r 1000	KIKZ Seminole, TX KNEU Rooseviet, TU	100 500
NUZ Talledega, AL IBC Tuscaloosa, AL	1000r 1000r	WBVP Beaver Falls, PA	1000	KFOR Lincoln, NE	1000	WDVA Danville, VA WYSR Franklin, VA	50 100
W Sitka, AK UN Bisbee, AZ	250 500r	WEEX Easton, PA WKBO Harrisburg, PA	1000	KODY North Platte, NE KELK Elko, NV	1000	WEER Warrenton, VA	100
AA Kingman, AZ	1000r	WCRO Johnstown, PA WBPZ Lock Haven, PA	1000	WFTN Franklin, NH WSNJ Bridgeton, NJ	1000r 1000	KWSU Pullman, WA KYAC Seattle, WA	50 50
LR Phoenix, AZ TO Sefford, AZ	1000r 1000r	WTIV Titusville, PA	1000	KAMQ Carlsbad, NM	1000r	WEMP Milwaukee, Wi	50
NO Winslow, AZ ON Conway, AR	1000r 1000d	WNIK Arecibo, PR WERI Westerly, RI	1000	KCLV Clovis, NM WGBB Freeport, NY	1000 1000	1250-238.0	
PW Fort Smith, AR	1000r	WAIM Anderson, SC WXAP Columbia, SC	1000 1000r	WGVA Geneva, NY WJTN Jamestown, NY	1000 500r	WCRT Birmingham, AL	500
TM Jonesboro, AR AM Bakersfield, CA	1000r 1000r	WOLS Florence, SC KKRC Sloux Falls, SD	1000 1000r	WVOS Liberty, NY WNBZ Saranac Lake, NY	1000	KPIN Casa Grande, AZ KCCB Corning, AR	100
VTC Barstow, CA BS Bishop, CA	500r 1000r	WAKI McMinnville, TN	1000	WWWD Schenctady, NY	1000r	KBHC Nashville, AR KGIL San Fernando, CA	50 500
O El Centro, CA	1000r	WMLR Hohenwald, TN KSIX Corpus Christi, TX	1000r 1000	WATN Watertown, NY WPNF Brevard, NC	1000	KYA San Francisco, CA	500
AC Fort Bragg, CA iFJ Los Angeles, CA	1000r 1000	KDLK Del Rio, TX	250 1000	WIST Charlotte, NC WCNC Elizabeth City, NC	1000 1000r	KSNO Aspen, CO WCRT Birmingham, AL	500 500
PRL Paso Robles, CA IDG Redding, CA	1000r 1000r	KNUZ Houston, TX KERV Kerrville, TX	1000	WJNC Jacksonville, NC	1000	WMMM Westport, CN WNRK Newark, DE	100
VG Stockton, CA	1000r	KLVT Levelland, TX KEEE Nacogdoches, TX	1000	WPJL Raleigh, NC WWWC Wilkesboro, NC	1000 500r	WWDC Washington, DC	50
XO Grand Junction, CO BRR Leadville, CO	1000 1000	KOZA Odessa, TX	1000	KDLR Devils Lake, ND WBBW Youngstown, OH	250 1000	WDIS Ft. Walton Beach, FL WHTT Miami, FL	250 500
ICR Steamboat Springs,	1000	KGRO Pampa, TX KSEY Seymour, TX	1000	WHIZ Zanesville, OH	1000	WIYD Palatka, FL WUFE Baxley, GA	100 500
co	1000r	KSST Sulphur Springs, TX KWTX Waco, TX	1000	KVSO Ardmore, OK KADS Elk City, OK	1000r 1000	WBBK Blakely, G A	100
STC Sterling, CO INF Manchester, CN	1000r 1000	KPRQ Murray, UT	1000r 1000	KBEL Idabel, ÖK KOKL Okmulgee, OK	1000 1000	WTJH East Point, GA KTEE Idaho Falls, ID	500 500
GGG Gainesville, FL ONN Lakeland, FL	1000	WJOY Burlington, VT	1000	KFLY Corvaills, OR	1000r	KWEI Weiser, ID WIBV Belleville, IL	100
MAF Madison, FL	1000r	WBBI Abingdon, VA WODI Brookneal, VA	1000 1000	KTIX Pendleton, OR KPRB Redmond, OR	1000 1000	WNDE Indianapolis, IN	50
SBB New Smyrna Beach, FL NVY Pensacola, FL	1000	WXCF Clifton Forge, VA WFVA Fredericksburg, VA	1000r 1000	KQEN Roseburg, OR WRTA Altoons, PA	1000 1000	KFGQ Boone, IA KWHK Hutchinson, KS	100
CNH Quincy, FL JNO West Palm Beach, FL	1000r 1000r	WNOR Norfolk, VA	1000	WHUM Reading, PA	1000	WTKL Baton Rouge, LA WEZE Boston, MA	100
BIA Augusta, GA	1000r	KOZI Chelan, WA WWYZ Everett, WA	1000 1000	WSEW Selinsgrove, PA WBAX Wilkes-Barre, PA	1000	WALM Albion, MI	100
BLJ Dalton, GA XLI Dublin, GA	1000 1000	KSPO Spokane, WA KREW Sunnyside, WA	1000 1000	WALO Humacao, PR WWON Woonsocket, RI	1000	WJBL Holland, MI KROX Crookston, MN	500 100
FOM Marietta, GA SOK Savannah, GA	1000 1000	WLOG Logan, WV	. 1000	WKDK Newberry, SC	1000	KDUZ Hutchinson, MN WGVM Greenville, MS	100 500
AYX Waycross, GA	1000	WKYG Parkersburg, WV WHBY Appleton, WI	1000	WCCR Plerre, SD	1000	WQIS Laurel, MS	500
BAR Burley, ID ORT Grangeville, ID	1000	WCLO Janesville, WI WXCO Wausau, WI	1000 1000	WBEJ Elizabethton, TN WEKR Fayetteville, TN	1000	WCSA Ripley, MS KGBX Springfield, MO	500
RXK Rexburg, ID JBC Bloomington, IL	1000 1000	KVOC Casper, WY	1000ar	WXPO Knoxville, TN	1000r	KIMB Kimball, NE WKXW Trenton, NJ	100 50
QUA Moline, IL	1000	1240-241.8		WKDA Nashville, TN WEDG Soddy, TN	1000r 1000	KVSF Santa Fe, NM	10
HCO Sparta, IL JOB Hammond, IN	1000	WEBJ Brewton, AL	1000r	WENK Union City, TN KVLF Alpine, TX	1000 1000	WBNR Beacon, NY WNDR Syracuse, NY	100 50
SAL Logansport. IN TCJ Tell City, in	1000	WPRN Butler, AL WULA Eufula, AL	1000r 1000r	KXYL Brownwood, TX	1000	WGWR Asheboro, NC WCDJ Edenton, NC	50 100
BOW Terre Haute, IN	1000r 1000	WBCF Florence, AL WARF Jasper, AL	1000r 1000r	KTAM Bryan, TX KOCA Kilgore, TX	1000r 1000	WBBG Cleveland, OH	50
JB Marshalltown, IA IIR Danville, KY	1000r	KGJM Globe, AZ	1000r	KSOX Raymondville, TX KXOX Sweetwater, TX	1000r 1000	WNXT Portsmouth, OH KWSH Wewoka-Seminole,	
HOP Hopkinsville, KY ANO Pineville, KYU	1000 1000r	KBWA Williams, AZ KVRC Arkadelphia, AR	1000r 1000r	WSKI Montpeller, VT	1000	KCYX McMinnville, OR WLKK Erie, PA	10 50
IC Monroe, LA	1000	KTLO Mountain Home, AR KWAK Stuttgart, AR	1000r 1000r	WSSV Petersburg, VA WROV Roanoke, VA	1000	WPHB Philipsburg, PA	500
BOK New Orleans, LA LO Opelousas, LA	1000r 1000	KCRE Crescent City, CA	1000	WTON Staunton, VA KXLE Ellensburg, WA	1000	WISO Ponce, PR WMUU Greenville, SC	500
BME Belfast, ME DDY Calais, ME	250 1000r	KJOP Lemoore, CA KESE Monterey, CA	250r 1000r	KGY Olympia, WA	1000	WJOT Lake City, SC KWYR Winner, SD	100 500
JR Madawaska, ME	1000 1000r	KPPC Pasadena, CA KLOA Ridgecrest, CA	100 250	WKOY Bluefleld, WV WTIP Charleston, WV	1000	WNOO Chattanooga, TN	100
TH Baltimore, MD CMD Cumberland, MD	1000r	KROY Sacramento, CA	1000r	WONE Elkins, WV WOMT Manitowoc, WI	1000 1000	WMCH Church Hill, TN WDKN Dickson, TN	100
MNB No. Adams, MA ESX Salem, MA	1000r 1000	KDIG San Bernadino, CA KSON San Diego, CA	1000r 1000r	WIBU Poynette, WI	1000	WCLC Jamestown, TN KSPL Diboli, TX	100
NEB Worcester, MA CUZ Grand Rapids, MI	1000	KSMA San Maria, CA KSUE Susanville, CA	1000r 1000r	WOBT Rhinelander, WI WJMC Rice Lake, Wi	1000	KPSO Falturrias, TX KQSA San Angelo, TX	100
KB Iron River, MI	1000r	KRDO Colorado Springs, C		KFBC Cheyenne, WY KEVA Evanston, WY	1000	KTUE Tulla, TX	100
MPC Lapeer, MI SOO Sit. Ste. Márie, Mi	1000	KDGO Durango, CO KSLV Monte Vista, CO	1000	KASL New Castle, WY KRAL Rawlins, WY	1000	KTAE Taylor, TX WCHV Charlottesville, VA	100 500
STR Sturgis, Mi (LK Cloquet, MN	1000	KCRT Trinidad, CO WWCO Waterbury, CN	250 1000	KTHE Thermopolls, WY	1000	KWIQ Moses Lake, WA WVVW Gratton, WV	100
SHS International Falls, MN	500r	WBGC Chipley, FL	1000r 1000	1250-239.9		WXCE Amery, WI	50
/SM Mankato, MN MRS Morris, MN	1000	WLCO Eustis, FL WINK Ft. Myers, FL	1000	WZOB Fort Payne, AL	1000d	WWIS Black River Falls, WI WEKZ Monroe, WI	100
RF Thief River Falls, MN WNO Winona, MN	1000 1000r	WMMB Melbourne, FL WFOY St, Augustine, FL	1000 1000	WETU Wetumpks, AL KBBI Homer, AK	5000d 5000	WOCO Oconto, WI	100
CMA Corinth, MS	1000	WBHB Fitzgerald, GA	1000	KSWW Wickenburg, AZ	500d	KPOW Powell, WY	500
HSY Hattlesburg, MS SSO Starkville, MS	1000	WDUN Gainesville, GA WLAG LaGrange, GA	1000 1000	KHIL Willcox, AZ KFAY Fayetteville, AR	5000d 1000d	1270-236.1	
AZF Yazoo City, MS	1000	WDDO Macon, GA	1000r 1000	KOKY Little Rock, AR KNCO Grass Valley, CA	1000r 500r	WGSV Guntersville, AL WKSJ Prichard, AL	100 500
ODE Joplin, MO LWT Lebanon, MO	1000	WWNS Statesboro, GA WPAX Thomasville, GA	1000r	KHOT Madera, CA	500d	KDJI Holbrook, AZ	500 500
WIX Moberly, MO BMN Bozeman, MT	1000r 1000	WTWA Thomson, GA KFLI Mountain Home, ID	1000 1000	KTMS Santa Barbara, CA KDHI Twenty-Nine Palms,	1000 CA 1000d	KADL Pine Bluff, AR KBLC Lakeport, CA	50
HDN Hardin, MT	1000	KMCL McCall, ID	500r 1000	WNER Live Oak, FL WDAE Tampa, FL	1000d 5000	KGUY Palm Desert, CA KCOK Tulare, CA	100 500
XLO Lewistown, MT LCB Libby, MT	1000	KWIK Pocatello, ID WCRW Chicago, IL	1000r	WQDE Albany, GA	1000d	WNOG Naples, FL	500
TNC Falls City, NE	500r	WEDC Chicago, IL WSBC Chicago, IL	1000	WYTH Madison, GA	1000d	WORL Orlando, FL WTNT Talahassee, FL	500

					J.S. /	AIVI SIA	IIONS	BY FREQUEN	NCY
	Call Location	W.P.	Call Location	W.P.	Call	Location	W.P.	Call Location	W.P.
11/	WKRW Cartersville, GA WHYD Columbus, GA	500d 5000d	KCUB Tucson, AZ	5000r		Harrisonburg, VA	5000d	WOIC Columbia, SC	5000r
	WJJC Commerce, GA	1000d	KUOA Siloam Springs, AR	5000d 5000d	WCLC	Seattle, WA Morgantown, WV	5000 1000d	KELO Sioux Fails, SD WKiN Kingsport, TN	5000 5000r
	KNDI Honolulu, HI KTLC Twin Falls, ID	5000 5000r	KHSL Chico, CA KAZA Gilroy, CA	5000	WKLC	St. Albans, WV	10 00 d	WMSR Manchester, TN	5000d
- 1	WEIC Charleston, IL	1000r	KMEN San Bernardino, CA	5000d 5000	WCJL	. Marinette, Wi	1000d	KVMC Colorado City, TX KXYZ Houston, TX	1000d 5000
	WHBF Rock Island, IL WCMR Elkhart, IN	5000 5000r	KKIO Santa Barbara, CA WCCC Hartford, CN	500d 500d	131	0-228.9		KCPX Salt Lake City, UT WCVR Randolph, VT	5000 1000d
	WWCA Gary, IN WORX Madison, IN	1000 1000d	WJBR Wilmington, DE WTMC Ocala, FL	1000d 5000r	WHER	Foley, AL Marion, AL	1000d 5000d	* WLGM Lynchburg, VA	1000d
	WSCB Liberal, KS WAIN Columbia, KY	1000r 1000d	WPCF Panama City, FI	500d	KZZP	Mesa, AZ Malvern, AR	5000r	WEET Richmond, VA WRRA Frederiksted, VI	10 00 d
- 1	WFUL Fulton, KY WVKY Louisa, KY	1000d	WIRK W. Palm Beach, FL WDEC Americus, GA	5000r 1000d	KIOT	Barstow, CA	1000d 5000d	KXRO Aberdeen, WA KHIT Walla Walla, WA	5000r 1000d
	WVCL Winnfild, LA	1000d 1000d	WCHK Canton, GA WWSA Savannah, GA	5000r 5000	KDIA	Crescent City, CA Oakland, CA	1000 5000	WFHR Wisconsin Rapids, W	1 5000r
	WCBC Cumberland, MD WSPR Springfield, MA	5000r 5000r	KLEH Amasosa,IA KISU Pocatello, ID	1000d	KTKR	Tatt, CA Greeley, CO	1000d 5000r	1330-225.4	
- 1	WVOY Charlesvolx, MI WXYZ Detroit, MI	5000 5000	WIRL Peoria, IL WDGS New Albany, IN	5000 500d	WICH	Norwich, CN Deland, FL	5000d	WKEA Scottsboro, AL KHYT Tucson, AZ	5000d
ı	KPRM Park Rapids, MN KWEB Rochester, MN	500d 5000r	KLEH Anamosa, IA	500d	WGK	R Perry, FL	1000d	KVEE Conway, AR	5000 500d
	WVOM luka, MS	1000d	KWLS Pratt, KS WCBL Benton, KY	5000r 5000d	WXLL	Decatur, Ga	5000d 500d	KLOM Lompoc, CA KFAC Los Angeles, CA	1000d 5000
	WMLC Monticello, MS KUSN St. Joseph, MO	1000d 1000d	KJEF Jennings, LA WHGR Houghton Lake, MI	1000d 5000	WBRC	A Douglas, GA D Waynesboro, GA	1000d 1000d	KLBS Los Banos, CA KCLM Redding, CA	500d 5000d
1	KFBD Waynesville, MO KWRL Sparks-Reno, NV	500d 1000d	WNIL Niles, MI WNRS Saline, MI	500d 500d		West Point, GA Twin Falls, ID	1000d 5000r	WFTP Fort Pierce, FL WBAS Crescent City, FL	1000r 1000d
- 1	WTSN Dover, NH WDVL Vineland, NJ	5000 500d	KBMO Benson, MN	500d	KDLS	Perry, IA	500d	WWAB Lakeland, FL	1000d
- 1	KINN Alamogordo, NM	1000d	WBLE Batesville, MS WTYL Tylertown, MS	1000d 1000d	WIFE	Keokuk, IA Indianapolis, IN	1000r 5000r	WFGS Milton, FL WCVC Tallahasee, FL	5000d 5000d
	WHLD Niagara Falls, NY WDLA Walton, NY	5000d 5000d	KALM Thayer, MO KGVO Missoula, MT	1000d 5000	WTTL	Scott City, KS Madisonville, KY	500d 1000r	WPPI Carrelitown, GA WMLT Dublin, GA	500d 5000r
	WCGC Belmont, NC WMPM Smithfield, NC	1000r 5000d	KOIL Omaha, NE WKNE Keene, NH	5000 5000		C Prestonsburg, KY Sulphur, LA	5000d 500d	WPRZ Evanston, IL WRAM Monmouth, IL	5000d
	KWWB Bismarck-Mandan, ND WILE Cambridge, OH		KSRC Socorro, NM WGLI Babylon, NY	1000d 5000r	KUZN	W. Monroe, LA Portland, ME	1000d 5000	WRRR Rockford, IL WKKR Evansville, IN	1000d 1000d
	KWPR Claremore, OK	1000d	WNBF Binghamton, NY	5000	WORG	C Worcester, MA	5000r	WTRE Greensburg, IN	5000 500d
	KAJO Grants Pass, OR WLBR Lebanon, PA	5000d 5000r	WHKY Hickory, NC WITZ Jacksonville, NC	5000r	WCCV	Dearborn, MI W Travers City, MI	5000d	KWWL Waterloo, IA KFH Wichita, KS	5000 5000
	WBHC Hampton, SC WYAK Surtside Beach-Garden	1000d City	WEYE Sanford, NC WOMP Bellaire, OH	1000d 1000d	WRBI	St. Peter, MN Hattlesburg, MS	1000d 1000d	WYGO Corbin, KY WMOR Moorehead, KY	5000d 1000d
	KNWC Sloux Falls, SD	5000d 1000	WHIO Dayton, OH KUMA Pendleton, OR	5000 5000	KFSB	Joplin, MO Great Falls, MT	5000r 5000r	KVOL Lafayette, LA WDLW Waitham, MA	5000r 5000
	WMRL Portland, TN WLIK Newport, TN	1000d	KLIQ Portland, OR WFBG Altoons, PA	5000	KGMT	Fairbury, NE	500d	WASA Havre De Garce, MD WTRX Flint, MI	5000r
	WFUL South Fulton, TN	5000r	WQIN Lykens, PA	5000r 1000d	WSSJ	Asbury Park, NJ Camden, NJ	2500r 1000d	WSJN Minneapolis, MN	5000r 5000
	KIOX Bay City, TX KHEM Big Spring, TX	1000 1000d	WICE Providence, RI WFIG Sumter, SC	5000r 1000	KXAK	Parsippany, NJ Corrales, NM	1000d 1000d	WFTO Fulton, MS WNIX Greenville, MS	2500d 1000
- 1	KEPS Eagle Pass, TX KFJZ Fort Worth, TX	1000d 5000	WATO Oak Ridge, TN KWGH Big Lake, TX	5000r 1000d	WVIP	Mt. Kisco, NY Utice, NY	5000d 1000r	WDAL Meridian, MS KUKU Willow Springs, MO	5000d 1000d
	WTJZ Newport News, VA WHEO Stuart, VA	1000d 5000d	KIVY Crocketl, TX KRGV Weslaco, TX	1000d	WISE	Asheville, NC Charlotte, NC	5000r 1000d	KGAK Gallup, NM WEVD New York, NY	5000r
	KCVL Colville, WA	1000d	KTRN Wichita Falls, TX	5000 5000r	WTIK	Durham, NC	5000r	WPOW New York, NY	5000 5000
	WRJC Mauston, WI	5000d 500d	WPVA Colonial Heights, VA WAGE Leesburg, VA	5000d 1000d	1	Grand Forks, ND Alliance, OH	5000 1000d	WEBO Owego, NY WHAZ Troy, NY	5000d 1000d
	KIML Gillette, WY	5000r	WNLB Rocky Mount, VA WVOW Logan, WV	1000d 5000r	KNPT	Newport, OR Bedford, PA	5000r 5000d	WCPQ Havelock, NC WHOT Campbell, OH	1000d 5000
ı	1280-234.2		KAPY Port Angeles, WA WZUU Milwaukee, Wi	1000d 1000d	WGSA	Ephrata, PA Warren, PA	5000d	WFIN Findley, OH WKOV Wellston, OH	1000d 500d
	WPID Pledmont, AL WNPT Tuscaloosa, AL	1000d 5000r	WCOW Sparta, WI	5000d	WDKE	Kingstree, SC	5000d 5000d	WELW Willoughby, OH KUPL Portland, OR	500d
	KHEP Phoenix, AZ	1000d	WRRA Fredericksted, VI	5000r 500d	WDXI	Chattanooga, TN Jackson, TN	5000 5000r	WRIE Erie, PA	5000 5000
	KNBY Newport, KAR KKAL Arroyo Grande, CA	1000d 5000r	1300-230.6		WBNT	Oneida, TN Amarillo, TX	1000d 1000d	WENA Penuelas, PR WLAT Conway, SC	500d 5000r
	KFRN Long Beach, CA KJOY Stockton, CA	1000	WBSA Boaz, AL WTLS Tallassee, AL	1000d 1000d	KAAM	Daitas, TX Odessa, TX	5000 1000d	WFBC Greenville, SC WAEW Crossville, TN	5000 1000d
	KTLK Denver, CO WSFD Seaford, DE	5000 1000d	WEZQ Winfield, AL	5000d	KBUC	San Antonio, TX	5000d	WTRO Dyersburg, TN	500d
	WGTX De Funiak Springs, FL WIPC Lake Wales, FL	5000d 1000r	KWCK Searcy, AR KROP Brawley, CA	1000d 1000r	WGH	Fairtax, VA Newport News, VA	5000r 5000	KMIL Cameron, TX KSWA Graham, TX	500d 500d
	WWZZ Sarasota, FL	500d 5000d	KYNO Fresno, CA KPMO Mendocino, CA	5000r 5000d		Prosser, WA / White Sulphur Spri	1000d Ings,	KINE Kingsville, TX KVKM Monahans, TX	1000d 5000r
	WMRO Aurora, IL WGBF Evansville, IN	2500r	KWKW Pasadena, CA KVOR Colorado Springs, CO	5000r 5000r	WIBA	Madison, WI	5000d 5000	KTYL Tyler, TX WBTM Danville, VA	1000d 5000r
	KCOB Newton, IA	5000r 1000d	WAVZ New Haven, CN WRKT Cocoa Beach, FL	1000 5000				WRAA Luray, VA WOLD Marion, VA	1000d 1000d
	KSOK Arkansas City, KS WCPM Cumberland, KY	1000r 1000d	WFFG Marathon, FL WSOL Tampa, FL	500	14/5414	0-2227.1	5000.4	WESR Tasley, VA	5000d
V	WIXI Lancaster, KY WGSO New Orleans, LA	1000d 5000	WMTM Moultrie, GA	5000d 5000d	WAGE	Dothan, AL	5000d 1000	WETZ New Martinaville, WV	5000d 1000d
		1000d	WNEA Newnan, GA WIMO Winder, GA	500d 1000d	KAWC	Yuma, AZ Fort Smith, AR	500d 5000	WHBL Sheboygan, WI KOVE Lander, WY	5000r 5000r
1	WEIM Fitchburg, MA	5000r	KOZE Lewistown, ID WTAQ La Grange, IL	5000r 5000r	KRLW	Walnut Ridge, AR Hemet, CA	1000d 500d	1240 002 =	*
1	WWTC Minneapolis, MN	1000d 5000	WFRX W. Frankfort, IL WHLT Huntington, IN	1000d 500d	KQIQ	Lemmore, CA Oceanside, CA	1000d 500	1340-223.7 WKUL Cullman, AL	1000r
- 1	KVOX Moorhead, MN	1000r 1000d	WAAC Terre Haute, IN	500d	KGNR	Sacramento, CA	5000	WXOR Florence, AL	1000dr
	KYRO Potosi, MO	500d 1000d	KGLO Mason City, IA WTKC Lexington, KY	5000r 2500	WATR	Rocky Ford, CO Waterbury, CT	1000d 5000r	WMRK Selma, AL WFEB Sylacauga, AL	1000r 1000r
	KVOV Henderson—Las Vegas,	5000d	WIBR Baton Rouge, LA KFLO Shreveport, LA	5000r 500d	MAOT	Hollywood, FL Jacksonville, FL	5000 5000	KIKO Miami, AZ KFBR Nogoles, AZ	1000r 250
	KRZE Farmington, NM	5000d	WFBR Baltimore, MD WJDA Quincy, MA	5000 1000d	WAMR	Venice, FL Griffin, GA	500d 5000d	KPGE Page, AZ KBTA Batesville, AR	1000r 1000r
- 1	WADO New York, NY WPXN Rochester, NY	5000 5000	WOOD Grand Rapids, MI WQPM Princeton, MN	5000 1000d	WKAN	Kankakee, IL Knoxville, IA	1000r 500d	KZNG Hot Springs, AR KCAT Pine Bluff, AR	1000r 1000r
- 1	WSAT Sallsbury, NC WYAL Scotland Neck, NC	1000 5000d	WKXI Jackson, MS WMMO Marshall, MO	5000r 1000d	KMAQ	Maquoketa, IA	500d	KBRS Springdale, AR	1000r
1	WONW Deflance, OH	1000R 1000d	KBRL McCook, NE	5000d	I WBRT	Bardstown, KY	500d 1000d	KATA Areata, CA KWXY Cathedral City, CA	1000d 1000r
1	KLCO Poteau, OK	1000d 5000r	WPNH Plymouth, NH	5000r 5000d	WNGO	Covington, KY Mayfield, KY	500d 1000d	KMAK Fresno, CA KDOL Mojave, CA	1000 500r
1	WBRX Berwick, PA	1000d	WIMG Ewing, NJ WTNJ Ewing, NJ	5000r	KIKS	Sulphur, LA Vivian, LA	500 5000d	KSFE Needles, CA KROV Oroville, CA	1000r 1000r
	WKST New Castle, PA	5000r 1000	WOSC Fulton, NY WXRL Lancaster, NY	1000d 1000r	WICO	Sallsbury, MD Attleboro, MA	1000d 1000	KATY San Luis Obispo, CA KIST Santa Barbara, CA	1000r 1000r
	WANS Anderson, SC	5000r 5000r	WQBK Rensselaer, NY WGRC Spring Valley, NY	5000d 500d	WILS	Lansing, Mi Marquette, Mi	5000r 5000r	KOMY Watsonville, CA KDEN Denver, CO	1000r
	WMCP Columbia TN	5000d 5000r	WYNG Goldsboro, NC	1000d	WRJW	Picayune, MS	5000d	KQIL Grand Junction, CO	1000 1000
		1000d 500d	WLNC Laurinburg, NC WSYD Mt. Airy, NC	500r 5000r	WVLY	Port Gibson, MS Water Valley, MS	500d 500d	KVRH Sølida, CO WYCB Washington, DC	1000 1000
	KTTX Brenham, TX	1000d	WPNH Plymouth,NC WERE Cleveland, OH	500d 5000	KOZY	Grand Rapids, MN Clayton, MO	5000 1000	WNHC New Haven, CT WTAN Clearwater, FL	1000 1000
	KRAN Morton, TX	500d	WMVO Mt. Vernon, OH KXXO Tulsa, OK	500 5000r	KOLT	Scottsbluff, NE Roswell, NM	5000r 1000d	WSLC Clermont, FL WROD Daytona Beach, FL	250d 1000
- 1	(VWG Pearsell, TX (WMS Salt Lake City, UT	500d 5000r	KACI The Dalles, OR KHUG Medford, OR	1000d	WHHO	Hornell, NY	5000d	WDSR Lake City, FL	1000
	WTTX Appomattox, VA	1000d 2500d	WWCH Clarion, PA	5000d 1000d	WCOG	Forest City, NC Greensboro, NC	1000d 5000r	WTYS Marianna, FL WPBR Palm Beach, FL	1000 1000r
	KMAS Shelton, WA	2500d 5000d	WHZN Hazleton, PA WTIL Mayaguez, PR	1000d 1000	WEEW	Murphy, NC Washington, NC	5000d 500d	WSEB Sebring, FL WFSH Valparaiso, IN	1000
4	KIT Yakima, WA	5000r	WKTX Alken, SC WCKI Greer, SC	500d 1000d	KHRT	Minot, ND Lancaster, OH	2500 1000d	WGAU Athens, GA WBBQ Augusta, GA	1000 1000r
	WGLR Lancaster, Wi WNAM Neenah, Wi	500d 5000r	WKSC Kershaw, SC KOLY Mobridge, SD	500 5000d	WOBL	Oberland, OH Clinton, OK	1000 1000d	WGAA Cedartown, GA WOKS Columbus, GA	1000
	1290-232.4		WMTN Morristown, TN WMAK Nashville, TN	5000d 5000	KATR	Eugene, OR Allentown, PA	1000d 5000r	WBBT Lyons, GA WTIF Tifton, GA	1000
		2500r 1000d	KVET Austin, TX KKUB Brownfield, TX	5000r 1000d	WGET	Gettysburg, PA	1000r	KSKI Halley, ID	1000
١.		000d	KLAR Laredo, TX	1000r	WBQW	Pittsburgh, PA Scranton, PA	5000 1000	KAIN Nampa, ID KACH Preston, ID	1000
	HINICATIONS MODER	5000	KKAS Slisbee, TX	500d	WUNO	San Juan, PR	5000r	WSOY Decatur, IL	1000

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

Call Location	W.P.	Call Location	W.P.	Call Location	W.P.	Call Location	W.I
HPI Herrin, IL	1000	WMON Montgomery, WV	1000	WCHQ Camuy, PR	1000r	KWK St. Louis; MO KUVR Holdrege, NE	5000
JOL Johet, IL	1000 1000	WXEE Welch, WV WLDY Ladysmith, WI	1000	WELP Easley, SC WLCM Lancaster, SC	1000d 1000d	WBBX Portsmouth, NH	100
BIW Bedford, IN TRC Elkhart, IN	1000r	WBCS Milwaukee, WI	1000	WBLC Lenoir City, TN	1000d	WAWZ Zarephath, NJ	500
BC Muncle, IN	1000	KSGT Jackson, WY KYCN Wheatland, WY	1000 250	WNAH Nashville, TN KQIZ Amarillo, TX	1000d 500d	WVIN Bath, NY WBNX New York, NY	500
OS Clinton, IA KN Kansas City, KS	1000	KWOR Woreland, WY	1000	KACT Andrews, TX	1000d	WRAQ Asheville, NC	5000
EK Pittsburg, KS	1000	4050 0004		KBUK Baylown, TX KRYS Corpus Christi, TX	1000	WBIC New Bern, NC WTOB Winston-Salem, NC	5000
MI Ashland, KY GN Bowling Green, KY	1000	1350-222.1	10004	KXOL Fort Worth, TX	5000r	WLRO Lorain, OH WXIC Waverly, OH	1000
CB Hindman, KY IBS Murray, KY	1000 1000	WELB Elba, AL WGAD Gadston, AL	1000d 5000r	WBOB Galax, VA WHBG Harrisonburg, VA	5000d 5000d	KSWO Lawton, OK	100
KY Richmond, KY	1000	WYLS York, AL	5000d	KMO Tacoma, WA	5000	KMUS Muskogee, OK KBCH Lincoln City, OR	1000
OB Bastrop, LA MD Shreveport, LA	1000	KNTB Bakersfield, CA KCKC San Bernadino, CA	1000d 5000r	WHJC Matewan, WV WMOV Ravenswood, VA	1000d 1000d	KSRV Ontario, OR	5000
AU Augusta, ME	1000	KSRO Santa Rosa, CA KIDN Pueblo, CO	5000 5000r	WGEE Green Bay, WI WISV Viroqua, WI	5000 1000	WACB Kittanning, PA WMLP Milton, PA	1000
OME Dover-Foxcroff, ME .VC Ft. Kent, ME	1000 250	WNLK Norwalk, CT	1000r	WMNE Menomonie, WI	1000d	WAYZ Waynesboro, PA	1000
IOU Houlton, ME	1000	WINY Putnam, CT WCWR Cocoa, FL	1000d 1000	KRKK Rock Springs, WY	5000r	WNRI Woonsocket, RI WAGS Bishopville, SC	1000
GAW Gardner, MA IBH New Bedford, MA	1000	WDCF Dade City, FL	1000r	1370-218.8		WGUS North Augusta, SC	1000
RK Pittsfield, MA	1000	WCAI Fort Myers, FL WBSG Blackshear, GA	1000d 2500d	WBYE Calera, AL	1000d	KOTA Rapid City, SD KQKD Redfield, SD	500
EW Bad Axe, Mi 'WN Grand Rapids, Mi	1000 1000	WRWH Cleveland, GA	1000d	KAWW Heber Springs, AR	1000d	WYSH Clinton, TN	1000
SR Hilisdale, MI	1000	WAVC Warner Robins, GA KIVM Lihue, Hi	5000d 5000	KTPA Prescott, AK KWRM Corona, CA	1000d 5000r	WIZO Franklin, TN WTNN Millington, TN	5000
ATE Manistee, Mi GN Menominee, Mi	1000	KRLC Lewistown, ID		KPCO Quincy, CA	500d	KJET Beaumont, TX	1000
VPZ Petoskey, Mi	1000	Clarkstown, WA WXCL Peoria, IL	5000r 1000	KEEN San Jose, CA KGEN Tulare, CA	5000 1000d	KBWD Brownwood, TX KTSN El Paso, TX	100 500
XL Rojal Oak, MI BR Brainerd, MN	1000	WJBD Salem, IL	500d	WWKE Ocala, FL	5000d	KMUL Muleshoe, TX	1000
LM Detroit Lakes, MN	1000	WIOU Kokomo, IN KRNT Des Moines, IA	5000r 5000	WCOA Pensacola, FL WAXE Vero Beach, FL	5000 1000d	KBOP Pleasanton, TX WSYB Rutland, VT	1000
VE Eveleth, MN OC Rochester, MN	1000 1000	KMAN Manhattan, KS	500d	WLOP Jesup, GA	5000	WLRV Lebanon, VA	500
LM Wilmar, MN MB Brookhaven, MS	1000	WLOU Louisville, KY WSMB New Orleans, LA	5000d 5000	WFDR Manchester, Ga WLOV Washington, GA	1000d 1000d	WTVR Richmond, VA KRKO Everett, WA	500
ML Laurel, MS	1000 1000	WJEB Gladwin, Mi	1000d	WPRC Lincoln, IL	1000d	KCKO Spokane, WA	500
OZ Kosciusko, MS	1000d 1000	WHMI Howell, MI KCHK New Prague, MN	500d 500d	WTTS Bioomington, IN WLTH Gary, IN	5000r 1000	WMTD Hinton, WV	100
EO Mexico, MO ID Poplar Bluff, MO	1000	KDIO Ortonville, MN	1000d	KLBA Albia, LA KDTH Dubuque, IA	500d 5000r	1390 <mark>—215.7</mark>	
MO Salem, MO	1000	WCMP Pine City, MN WKCU Corinth, MS	1000d 1000d	KGNO Dodge City, KS	5000r	WHMA Anniston, AL	500
CK Springfield, MO AP Heiena, MT	1000 1000	KCHR Charlesion, MO	1000d	KIKS Iola, KS WABD Fort Campbell, KY	5000d 1000d	KDQN Dequeen, AR KURM Rogers, AR	100
RK Livingston, MT TL Miles City, MT	1000	KBRX O'Nelli, NE WLNH Laconia, NH	1000d 5000d	WGOH Grayson, KY	5000d	KGER Long Beach, CA	50
LT Missoula, MT	1000	WHWH Princeton, NJ	5000 5000r	WTKY Tompkinsville, KY KAPB Marksville, LA	2500d 1000d	KGMS Sacramento, CA KCEY Turlock, CA	50 50
UB Fremont, NE FW Kearney, NE	500 1000	WCBA Corning, NY	1000d	WDEA Elisworth, ME	5000	KFML Denver, CO	5000
ID Sidney, NE	1000	WRNY Rome, NY	500d	WZYQ Frederick, MD WKIK Leonardtown, MD	500d 1000	WAPR Avon Park, FL WAKA Gainesville, FL	100
AM Las Vegas, NV ET Reno, NV	1000	WBMS Black Mountain, NC WHIP Mooresville, NC	500d 1000d	WWAM Cadillac, Mi	5000r	WISK Americus, GA	500
CR Hanover, NH	1000	WLLY Wilson, NC	1000d	WGHN Grand Haven, Mi KSUM Fairmont, MN	500 1000	WTNL Reidsville, GA WVON Chicago, IL	50
AID Attanlic City, NJ BK Aztec, NM	1000	WSLR Akron, OH WCSM Cellna, OH	5000 500d	KDAN Minneapolis-St. Paul,		WFIW Fairtleid, IL	10
IT Talos, NM	250	WCHI Chillicotohe, OH	1000d	WMGO Canton, MS	500d 1000	WJCD Seymour, IN KLNT Clinton, IA	100
IL Silver City, NM MBO Auburn, NY	1000	KRHD Duncan, OK KTLQ Tahlequah, OK	250r 1000d	KWRT Boonville, MO	1000d	KCBC Des Moines, IA	1000
NT Gloversville-Johnston,		KDOV Ashland, OR	1000d	KCRV Caruthersville, MO	1000d	KNCK Concordia, KS WANY Albany, KY	100
NY	1000r	WZIX York, PA WWBR Windber, PA	5000r 2500d	KXLF Butte, MT KAWL York, NE	5000 5000d	WKIC Hazard, KY	500
KSN Jamestown, NY LVL Lockport, NY	250 1000r	WEGA Vega Baha, PR	500	WFEA Manchester, NH	5000	KFRA Franklin, LA WEGP Presque Isle, ME	100
MSA Massena, NY	1000	WDAR Darlington, SC WGSW Greenwood, SC	1000d 1000d	WELV Ellenville, NY WALK Patchogue, NY	5000d 500d	KJPW Waynesboro, MO	1000
ALL Middletown, NY IRY Plattsburg, NY	1000	WRKM Carthage, TN	1000d 500d	WSAY Rochester, NY WLTC Gastonia, NC	5000 5000d	WCAT Orange, MA WPLM Plymouth, MA	100
JRI Lenoir, NC	1000	KCAR Clarksville, TX KTXJ Jasper, TX	1000d	WLLN Lillington, NC	2500d	WGMY Charlotte, MI	500
TSB Lumberton, NC CBQ Oxford, NC	1000 1000dr	KCOR San Antonio, TX	5000 1000d	WTAB Tabor City, NC KFJM Grand Forks, ND	5000d 1000d	KQDS Duluth, MN KRFO Owatonna, MN	50 50
OOW Greenville, NC	1000	WBLT Bedford, VA WFLS Fredericksburg, VA	1000d	WSBD Toledo, OH	5000	KKCM Walte, MN	250
GNI Wilmington, NC AIR Winston-Salem, NC	1000	WNVA Norton, VA	5000d 5000	KBYL Holdenville, OK KAST Astoria, OR	500d 1000	WROA Gulfport-Biloxi, MS WFEZ Meridan, MS	50 500
OK Bowman, ND	1000d	WNIS Portsmouth, VA WPDR Portage, WI	1000d	KFIR Sweet Home, OR	1000d	KJPW Waynesboro, MO	100
(PO Grafton, MD NCO Ashland, OH	1000r 1000	1360-220.4		WWCB Corry, PA WPAZ Pottstown, PA	1000r 1000d	KENN Farmington, NM KHOB Hobbs, NM	500 500
OUB Athens, OH	500r	WWWB Jasper, AL	1000d	WKMC Roaring Spring, PA	5000d	WEOK Poughkeepsie, NY	500
ZE Springfield, OH STV Steubenville, OH	1000	WPCY Mobile, AL	5000d	WIVV Viegues, PR WMYD Wickford, RI	5000 500d	WRIV Riverhead, NY WFBL Syracuse, NY	100
HN Hugo, OK	1000	WMFC Monroeville, AL WELR Rosnoke, AL	1000d 1000d	WDEF Chattanooga, TN	5000	WEED Rocky Mount, NC	100
OCY Oklahoma City, OK OW Sand Springs, OK	1000 500	KRUX Glendale, AZ	5000r	WDXE Lawrenceburg, TN WRGS Rogersville, TN	1000d 1000d	WADA Shelby, NC WJRM Troy, NC	100
OO Corvailis, OR	1000	KLYR Clarkesville, AZ	500d 1000	KOKE Austin, TX	1000d	KKOA Minot, ND	500
VVR Enterprise, OR HR Hood River, OR	1000	KFFA Helens, AZ KFIV Modesto, CA	5000r	KFRO Longview, TX KPOS Post, TX	1000 1000d	WTOO Beliefontaine, OH WMPO Middleport-Pomeroy.	50
BR N. Bend, OR	1000	KZIQ Ridgecrest, CA	1000d 5000r	KSOP South Salt Lake City,		OH	500
CVI Connellsville, PA SAJ Grove City, PA	1000	KGB San Diego, CA WDRC Hartford, CN	5000	WBTN Bennington, VT	1000d 1000d	WFMJ Youngstown, OH, KCRC Enid, OK	50 10
DYL OII City, PA		WCGL Jacksonville, FL WKAT Miami Beach, FL	5000d 5000r	WHEE Martinsville, VA	5000d	KSLM Selem, OR WLAN Lancaster, PA	500
HAT Philadelphia, PA RAW Reading, PA	1000 1000	WZNG Winter Haven, FL	5000r	WJWS South Hill, VA KWNC Quincy, WA	5000d 1000d	WRSC State College, PA	25
TRN Tyrone, PA	1000	WAZA Bainbridge, GA WLAW Lawrenceville, GA	5000r 1000d	WCQL Pawaukee,	W 1	WISA isabella, PR WHPB Belton, SC	100
BRE Wilkes-Barre, PA WPA Williamsport, PA	1000	WMAC Metter, GA	500d	WEIF Moundsville, WV WCCN Nellisville, WI	5000d 5000d	WCSC Charleston, SC	50
UNA Aquadilla, PR DKE Charleston, SC	250 1000	WIYN Rome, GA WLBK DeKalb-Sycamore, IL	500d 1000d	WCQL Pewaukee, Wi	500d	KJAM Madison, SD WYXI Athens, TN	50 250
RHI Rock Hill, SC	1000	WYER Mount Carmel, IL	500d	KSHY Cheyenne, WY	1000d	WIZO Franklin, IN	500
SSC Sumter, SC	1000 1000r	WGFA Watseka, IL KHAK Cedar Rapids, IA	1000d 1000d	1380-217.3		WTJS Jackson, TN WTNN Millinton, TN	100
JV Huron, SD OQ Rapid City, SD	1000	KBKB Fort Madison, IA	1000d	WRAB Arab, AL	1000d	WMCT Mountain City, TN	100
BAC Cleveland, TN (RN Columbia, TN	1000 1000	KSCJ Sloux City, IA KOYY El Dorado, KS	5000 500d	WGYV Greenville, AL WVSA Vernon, AL	1000d 5000d	KULP El Campo, TX KBEC Waxahachie, TX	50
GRV Greenville, TN	1000	WFLW Monticello, KY	1000d	KZUL Parker, AZ	250d .	KBLQ Logan, UT	50
KGN Knoxville, TN LOK Memphis, TN	1000 1000	KDXI Mansfield, LA KNIR New Iberia, LA	1000d 1000d	KDXE N. Little Rock, AR KKZZ Lancaster, CA	1000d 1000d	WEAN Ariington, VA WWOD Lynchburg, VA	50 50
CDT Winchester, TN	1000	KTLD Tallulah, LA	500d	KGMS Sacramento, CA	1000	WKLP Keyser, WV	100
WKC Abilene, TX	1000	WEBB Baltimore, MD WNSR Lynn, MA	5000d 1000d	KTON Salinas, CA KFLI Waisenburg, CO	5000 1000d	KBBO Yakima, WA	10
AND Corsicans, TX	1000	WKYO Caro, MI	500d	WNVR Naugatuck, CT	5000r		
SET El Paso, TX	1000 1000	WKMI Kalamazoo, MI KRWC Buffalo, MN	5000r 500d	WAMS Wilmington, DE WLIZ Lake Worth, FL	5000r 1000d	1400-214.2	
SKX Lubbock, TX RBA Lufkin, TX	1000	KKBJ Bemidji, MN	5000r	WDAT Ormond Beach, FL	5000r	WMSL Decatur, AL	10
PDN Pampa, TX	1000	KMRN Cameron, MO KLRS Mountain Grove, MO	500d 1000d	WLCY St. Petersburg, FL WAOK Atlanta, GA	5000 5000	WXAL Demopolis, AL WJLD Fairfield, AL	10
OLE Port Arthur, TX TEO San Angelo, TX	1000r 1000	KICX McCook, NE	1000d	WSIZ Ocilia, GA	5000d	WFPA Fort Payne, AL	10
VIC Victoria, TX	250	WNNJ Newton, NJ	1000d 1000	WBEL South Beloit, IL WQHK Ft. Wayne, IN	5000	WJHO Opelika, AL KXIV Phoenix, AZ	10
MTI Manti, VT rSTJ St. Johnsbury, VT	1000	WWBZ Vineland, NJ KRRR Ruidoso, NM	5000d	KCIM Carroll, IA	1000	KTUC Tucson, AZ	10
STA Charlotte Amaile, VI	250	WKOP Binghamton, NY	5000r 1000d	KCII Washington, IA KCNW Fairway, KS	1000d 5000r	KVOY Yuma, AZ KELD El Dorado, AR	10
MTI Manti, UT KEY Covington, VA	1000r 1000	WMNS Olean, NY WCHL Chapel Hill, NC	5000r	WMTA Central City, KY	500d	KCLA Pine Bluff, AR	10
HAP Hopewell, VA	1000	WCHL Chapel Hill, NC KEYZ Williston, MD WSAL Cincinnati, OH	5000 5000	WWKY Winchester, KY WYNK Baton Rouge, LA	1000d 5000d	KWYN Wynne, AR KRE Berkley, CA	10
/JMA Orange, VA AGT Anacortes, WA	1000	WSAI Cincinnati, OH WWOW Conneaut, OH	500d	WKTJ Farmington, ME	1000d	KRCQ Indio, CA	10
OTY Kennewick, WA	1000	KOHU Hermiston, OR	1000 1000d	WPHN Port Huron, MI WPLB Greenville, MI	5000 1000r	KLUV Lompoc,CA KQMS Redding, CA	10
APA Raymond, WA WWW Wenatchee, WA	1000	KUIK Hilisboro, OR WIXZ McKeesport, PA	5000r	KLIZ Brainerd, MN	5000	KSLY San Luis Obispo, CA	10
		KROR Myrthle Creek, OR	5000d	KAGE Winona, MN	1000d	KAAP Santa Paula, CA	

			(J.S. AM	STAT	IONS	BY	FREQUE	NCY
Call Location	W.P.	Call Location	W.P.	Call Lo	ocation	W.P.	Call	Location	W.P.
KUKI Uklah, CA KONG Visalia, CA	1000r 1000r	KILE Galveston, TX KGVL Greenville, TX	1000 1000	WHBN Harr WVJS Owen	odsburg, KY	1000d		Bristol, CT	500d
KRLN Cannon City, CO KDTA Delta, CO	1000r 1000	KEBE Jacksonville, TX	1000	KPEL Lafay	ette, LA	5000r 1000r	WAYK	Wray, CO Lehigh Acres, FL	5000d 5000r
KFTM Ft. Morgan, CO KBZZ La Junta, CO	1000r	KIUN Pecos, TX KEYE Perryton, TX	1000	WBEC Pittsf	Bedford, MA field, MA	5000r 5000	WAJL	Winter Park, FL Bremen, GA	5000r 2500d
KPAG Pagosa Springs, CO	1000 1000r	KVOP Plainview, TX KDWT Stamford, TX	1000	WAMM Flint WKPR Kalar	i, Mi mazoo, Mi	500d 1000d	WGIG	Brunswick, GA Cochran, GA	5000r 1000d
WSTC Stanford, CN WILL Willimantic, CN	1000	KTEN Temple, TX KTFS Texarkana, TX	1000 1000	WTGE Kalke	asta, Mi	500d	WRAJ	Anna, IL	500d 1000r
WFTL Ft. Lauderdale, FL WPRY Perry, FL	1000 1000r	KVOU Uvalde, TX KFTN Provo, UT	1000 1000r	KTOE Mank WSUH Oxfo	ato, MN	5000 1000d	WPRS	Normal, IL Paris, IL Quincy, IL	1000d
WIRA Ft. Pierce, FL WRNE Ft. Walton Beach, FL	1000 1000	WDOT Burlington, VT WXAM Charlottesville, VA	1000	WQBC Vicks	sburg, MS	1000	WROK	Rockford, IL	5000r 5000
WERD Jacksonville, FL WTRR Sanford, FL	1000	WHHV Hillsville, VA WPCE Portsmouth, VA	1000	WIGG Wiggi KBTN Neosi	ho, MO	1000d 500	KCHE	Portland, IN Cherokee, IA	500d 500d
WPAS Zephyrhills, FL WULF Alma, GA	1000	WHLF South Boston, VA	1000r 1000	WASR Wolfe	eboro, NH	1000d 5000d	wcds	Topeka, KS Glasgow, KY	5000r 1090d
WSGC Elberton, GA	1000r	WINC Winchester, VA KEDO Longview, WA	1000 1000	KSYX Santa WRMV Herk	imer, NY	1000d 1000d	WBGR	Martin, KY Paris, KY	2500d 1000d
WNEX Macon, GA WCOH Newnan, GA	1000 1000	KRSC Othella, WA KTNT Tacoma, WA	1000	WACK News	erk, NY skill, NY	500 5000r	WEZJ	Williamsburg, KY Monroe, AL	1000d 5000r
WSGA Savannah, GA KART Jerome, ID	1000	WPQZ Clarksburg, WV WRON Ronceverte, WV	- 1000r 1000r	WMYN Mayo	odan, NC	500d 500d	MIBO	Westbrook-Portland,	
KRPL Moscow, ID KIGO St. Anthony, ID	1000	WVRC Spencer, WV WKWK Wheeling, WV	1000r 1000r	WYOT Wilso	on, NC	1000r	WFTQ	Worcester, MA	5000
KSPT Sandpoint, ID WDWS Champaign, IL	1000	WBTH Williamson, WV WATW Ashland, WI	1000r	KTJS Hobar	rt, OK	5000 1000d	WDOW	Bay City, Mi Dowaglac, Mi	5000r 1000d
WGIL Galesburg, IL WROZ Evansville, IN	1000	WJJK Eau Claire, WI	1000r 1000	WCOL Coate	esville; PA	1000d 5000	KORS	Inkster, MI Golden Valley, MN	1000 5000r
WBAT Marion, IN	1000	WDUZ Green Bay, WI WRJN Racine, WI	1000r 1000r	WCED DuBo	ce, PR	5000r 1000	WRBE	Lucedale, MS Pontotoc, MS	. 5000d 1000d
KCOG Centerville, IA KVFD Fort Dodge, IA	500r 1000	WRDB Reedsburg, WI WRIG Wausau, WI	1000r 1000r	WCRE Cher		1000d	WREY	Miliville, NJ Babylon, NY	5000d 1000d
KVOE Emporia, KS KAYS Hays, KS	1000	KATI Casper, WY KODI Cody, WY	1000r 1000r	WEMB Erwin	n. TN	5000d 1000	WJJL I	Niagra Falls, Oswego, NY	1000d
WCYN Cynthiana, KY WIEL Elizabethtown, KY	1000r 1000			KFYN Bonha	am, TX	250d	WBLA	Elizabethtown, NC	1000d 5000d
WFTG London, KY WFPR Hammond, LA	1000r 1000	1410-212.6 WUNI Mobile, AL	5000	KPAR Grant	ock, TX	500	KKXL	Lexington, NC Grand Forks, ND	5000r 1000r
KAOK Lake Charles, LA	1000	WPXC Prattville, AL	5000r	KLUF Lufkin KGNB New	Braunfels, TX	1000 1000d	KMED	Warren, OH Medford, OR	5000 5000r
KWLA Many, LA WRDO Augusta, ME	1000r 1000	WZZA Tuscumbia, AL KTCS Fort Smith, AR	500d 1000d	KPEP San A WWSR St. A	ingelo, TX ilbans, VT	1000d 1000d	KODL	The Dalles, OR Carbondale, PA	5000r 5000d
WIDE Biddeford, ME WMCS Machias, ME	1000r 1000	KERN Bakersfield, CA KRML Carmel, CA	1000 500d	WKYY Amhe WDDY Głou	erst, VA	1000d 1000d	WNPV	Lansdale, PA Red Lion, PA	500 1000d
WWIN Baltimore, MD WALE Fall River, MA	1000	KBIK Lompoc, CA KMYC Marysville, CA	500d 5000r	WKCW Warr	renton, VA	5000d	WQOK	Greenville, SC Holly Hill, SC	5000
WLLH Lowell, MA WHMP North Hampton, MA	1000	KCAL Rediands, CA KCOL Ft. Collins, CO	5000r 1000	KSCR Rento	on, WA	500d	WZYX	Cowan, TN	1000d
WKNR Battle Creek, MI WJBL Detroit, MI	1000	WPOP Newington, CT WDOV Dover, DE	5000 5000	KUJ Walla W WPLY Plymo		5000 500d	KPUR .	McKenzie, TN Amarillo, TX	500d 5000r
WCCY Houghton, MI	1000 1000r	WMYR Ft. Meyers, FL	5000	1430-2	09.7		KEYS	Corpus Christi, TX Denton, TX	1000 5000r
WQXO Munising, MI WSAM Saginaw, Mi	1000	WZST Leesburg, FL WKQE Tallahassee, FL	5000d	WRNG Red	Bay, AL	1000d	KELG	Elgin, TX Livingston, TX	500d
WSJN St. Joseph, MI WTCM Traverse City, MI	1000	WGRI Griffin, GA WDAX McRae, GA	1000d 1000d	WFHK Pell C		1000d 1000d	WKLV	Blackstone, VA Herndon, VA	5000d 1000d
KEYL Long Prairie, MN KMHL Marshall, MN	1000	WLAQ Rome, GA WRMN Eigin, IL	1000 1000r	KAMP EI Ce KARN Fresn	ntro, CA	1000d 5000	KXXR :	Spokane, WA Bluefield, WV	5000d
KEEY Minneapolis-St. Paul,	1000r	WTIN Taylorville, IL WAZY Latayette, IN	1000 1000d	KALI San Ga KJAY Sacrar	abriel, CA	5000	WAJR	Morgantown, WV	5000r 5000r
WHLB Virginia, MN KJJR Whitefish, MT	1000	KGRN Grinnell, IA KLEN LeMars, IA	500d 1000d	KNTA Santa	Clara, CA	5000d 5000		Green Bay, WI	5000r
WBIP Booneville, MS	1000	KCLO Levenworth, KS	5000d	KOSt Aurora	stead, FL	5000		Mediatori, AL	1000-
WMBC Columbus, MS WNAG Grenada, MS	1000	KQAM Wichita, KS WLBJ Bowling Green, KY	5000 5000r	WQPD Lakel	ama City, FL	5000r 5000	WYAM	Bessamer, AL	1000r 1000r
WFOR Hattlesburg, MS WJQS Jackson, MS	1000	WHLN Harlan, KY KDBS Alexandria, LA	5000 1000d	WGFS Covin	igton, GA	1000d 1000d	WDIG	Camden, AL Dothan, AL	1000 1000r
KFRU Columbia, MO KJCF Festus, MO	1000	WHAG Halfway, MD WOKW Brockton, MA	1000 1000d	WWGS Tifto		5000r	WFIX H	Dadeville, Al luntsville, AL	250 1000r
KSIM Sikeston, MO KTTS Springfield, MO	1000	WGRD Grand Rapids, MI KLFD Litchfield, MN	1000d 500d	WCMY Ottav	IL	. 1000d 500d	KLAM	Muscle Shoats, AL Cordova, AK	1000r 250
KDRG Deer Lodge, MT KXGN Glendive, MI	1000	KRWB Roseau, MN WRDC Cleveland, MS	1000 1000d	WIRE Indian	apolis, IN	5000	KDAP	Douglas, AZ Prescott, AZ	1000r 1000r
KRRR Great Falls, MT	1000	WMYQ Newton, MS	500d	KASI Ames, WLCB Buffal	lo, KY	1000d 500d	KVSL S	how Low, AZ ucson, AZ	1000r
KJJR Whitelish, MT KBRB Alnsworth, NE	1000r 1000	KBCC Cuba, MO KAHL North Platte, NE	1000d 5000r	WYMC Mayf	an City, LA	1000 500d	KENA	Mena, AR	1000r 1000r
KCOW Alliance, NE KLIN Lincoln, NE	1000	WHTG Eatontown, NJ WDOE Dunkirk, NY	500d 1000r	WNAV Anna WTTT Amhe	polls, MD	5000r 5000d	KYOR	Camden, AR Blythe, CA	1000 1000r
KVEG Henderson, NV KWMA Winnmucca, NV	1000r 1000	WELM Elmira, NY WBZA Glens Falls, NY	1000r 1000d	WXKS Medic WtON lonia,	ord, MA	5000d 5000d	KOWN	Burney, CA Escondido, CA	1000r 1000r
WBRL Berlin, NH WTSL Hanover, NH	1000r 1000	WOTT Watertown, NY WEGO Concord, NC	5000r 1000d		nt Clemens, MI	5000d 5000d	KPSI P	alm Springs, CA orterville, CA	1000r 1000r
WLTN Littleton, NH KTRC Santa Fe, NM	1000	WSRC Durham, NC WVCB Shallotte, NC	5000d	KSOA Ava. N	MO	500d	KEST S	San Francisco, CA Sonora, CA	1000r 1000r
KCHS Truth or Consequences	.	KHOL Beulah, ND	1000d	WIL St. Louis	s, MO	500d 5000	KVEN \	Ventura, CA Yuba City, CA	1000r
KTNM Tucumceri, NM	250 1000	WING Dayton, OH KPAM Portland, OR	5000 5000d	KRGI Grand WNJR News	rk, NJ	5000r 5000	KGIW /	Alamosa, CO	500r 1000
WOND Pteasantville, NJ WABY Albany, NY	1000	WLSH Lansford, PA KQV Pittsburgh, PA	5000d 5000	KCRX Roswe WENE Endic	ell, NM ott, NY	5000r 5000	KMKR	Greeley, CO Meeker, CO	1000 1000r
WYSL Buffalo, NY WSLB Ogdensburg, NY	1000	WPCC Ctinton, SC WYMB Manning, SC	1000d 1000d	WMNC Morg WDJS Mt. O	anton, NC	5000r 1000d	WILM V	Bridgeport, CT Vilmington, DE	1000 1000
WBMA Beautort, NC	1000	WTNR Kingston, TN WCMT Martin, TN	500d 1000d	WRXO Roxbe	oro, NC	1000d 5000d	MANB MOF M	ashington, DC Brooksville, FL	1000 1000
WGBG Greensboro, NC WSHB Raeford, NC	1000	KBUD Athens, TX KBAN Bowle, TX	1000d 500d	WFOB Fosto	ria, OH	1000	WMFJ I	Daytona Beach, FL Miami, FL	1000
WSIC Statesville, NC WLSE Wallace, NC	1000	KJCH Cleveland, TX KXIT Dalhart, TX	500	WCLT Newar	OK	500d 500	WBSR	Pensacola, FL Sarasota, FL	1000
WHCC Waynesville, NC WSMY Weldon, NC	1000	KKYR Marshall, TX	500d 500d	KELI Tulsa, (KGAY Salem	, OR	5000d	WSTU :	Stuart, FL	1000
KQDJ Jamestown, ND WMAN Mansfletd, OH	1000	KRIG Odessa, TX KBAL San Saba, TX	1000 500d	WVAM Altoo	na, PA es. PR	5000r 5000r	WGPC	allahassee, FL Albany, GA	1000 1000
WPAY Portsmouth, OH	1000	KNAL Victoria, TX WGGM Chester, VA	500 5000d	WBLR Batesi WATP Mario	burg, SC	5000d 5000d	WCON	Cartersville, GA Cormella, GA	1000 1000r
KWON Bartlesville, OK KTMC McAlester, OK	1000	WRIS Roanoke, VA WSCW South Charleston, WV	5000d	WBUG Ridge	eland, SC	1000d	WKEU (Griffin, GA Milledgeville, GA	1000 1000
KNOR Norman, OK KNND Cottage Grove, OR	1000	WIZM La Crosse, WI KWYO Sheridan, WY	5000 5000r	WJBE Knoxy	ille, TN	1000d 1000d	WQQT	Savannah, GA /aldosta, GA	1000r 1000
KJDY John Day, OR WEST Easton, PA	1000		30001	WJRB Madis	phis, TN	5000r 1000d	KBFI B	onners Ferry, ID ontpelier, ID	1000r
WJET Erie, PA WFEC Harrisburg, PA	1000	1420—211.1 WACT Tuscaloosa, AL	5000d	KSTB Brecke KEES Gladev	water, TX	1000d 5000r	KYET P	ayette, ID win Falls, ID	1000r 250
WAMQ Loretto, PA WKBI St. Mary, PA	1000r 1000	KTAN Sierra Vista, AZ	1000r	KCOH Houst KLO Ogden,	on, TX UT	1000d 5000	WKELK	ewanee, IL	1000r 500r
WICK Scranton, PA WRAK Williamsport, PA	1000	KXOW Hot Springs, AR KPOC Pocahontas, AR	5000d 1000d	WIVE Ashland	d, VA sburg, VA	1000 1000d	WXOL 0	Springfield, IL	1000 1000
WIDA Carolina, PR	500	KSTN Stockton, CA WLIS Old Saybrook, CT	5000r 1000D	WDIC Clinch KBRC Mt. Ve	ico, VA	5000d	WLYV F	t. Wayne, IN Jeffersonville, IN	1000r 1000
WCOS Columbia, SC WGTN Georgetown, SC	1000	WBRD Bradenton, FL WDBF Delray Beach, FL	1000 5000r	WEIR Weirton	n, WV	5000r 1000	WASK	afayette, IN /incennes, IN	1000
WKDY Spartanaburg, SC KBJM Lemmon, SD	1000	WAOC St. Augustine, FL WAVO Avondale Estates, GA	1000d 1000d	WBEV Beaver WRDN Duran		1000 1000d	KLWW (Cedar Rapids, IA ayette, ID	1000r
WJZM Clarksville, TN WHUB Cookeville, TN	1000	WRCG Columbus, GA WPEH Louslyllle, GA	5000 1000d	1440-20	08.2		KWBW	Hutchinson, KS	250 1000
WI 00 C The The		WLET Toccoa, GA	5000d	WHHY Monto	omery, AL	5000r 5000d	WWXL I	Campbellsville, KY Manchester, KY	1000 1000
WLSB Copperhill, TN WKPT Kingsport, TN	1000					SUMMA 1	WDAD	Paducah, KY	1000
WKPT Kingsport, TN WGAP Maryville, TN	1000	KCCN Honolulu, HI WINI Murphysboro, IL	5000 500	KXAM Scotts KHOG Fayett	teville, AR	1000d	WLKS V	V. Liberty, KY	1000
WKPT Kingsport, TN WGAP Maryville, TN WHAL Shelbyville, TN WAAN Waynesboro, TN	1000 1000 1000 1000	KCCN Honolulu, HI WINI Murphysboro, IL WIMS Michigan City, IN WDC Davenport, IA	500 5000 5000	KHOG Fayett KITA Little Ro KVON Napa,	teville, AR ock, AR CA		KSIG CI	V. Liberty, KY rowley, LA Natchitoches, LA	1000 1000
WKPT Kingsport, TN WGAP Maryville, TN WHAL Shelbyville, TN	1000 1000 1000	KCCN Honolulu, HI WINI Murphysboro, IL WIMS Michigan City, IN	500 5000	KHOG Fayett	teville, AR ock, AR CA ens, CA ide, CA	1000d 5000d	KSIG CI KNOC I WWIW I	V. Liberty, KY rowley, LA	1000

Call Location	W.P.	Call Location	W.P.	Call Location	W.P.	Call Location	W.P.
WXIV South Paris, ME_	1000r	WZEP DeFuniak Springs, FL	1 <mark>000d</mark>	WTZE Tazewell, VA	5000d	KOFE St. Marles, ID WKRO Calro, IL	1000r 1000r
WTOB Cumberland, MD WTHU Thurmond, MD	1000 500r	WPDQ Jacksonville, FL WDYX Buford, GA	5000 5000d	KELA Centralla-Chehalls, WA		WDAN Danville, IL	1000
WMAS Springfleid, MA	1000	WROY Carmi, IL	1000d	KSEM Moses Lake, WA KAPS Mt. Versnon, WA	5000r 500d	WESL East St. Louis, IL WOPA Oak Park, IL	1000
WATZ Alpena Township, MI WHTC Holland, MI	1000r 1000	WIXN Dixon, IL WRTL Rantoul, IL	1000d 500d	WKSD Huntington, WV	5000d	WZOE Princeton, IL	1000
WMIQ Iron Mountain, MI	1000r	WKAM Goshen, IN WOCH North Vernon, IN	1000r 1000d	WBKV West Bend, WI KWIV Douglas, WY	1000d 1000r	WKBV Richmond, IN WNDU South Bend, IN	1000r 1000
WXCM Jackson, MI WKLA Ludington, MI	1000	KSO Des Moines, IA	5000	KWW BOOLINGS	10001	KBUR Burlington, IA	1000
WNBY Newberry, MI	1000	WBPA Elkhorn City, KY	1000d	1480-202.6		WDBQ Dubuque, IA KBAB Indianola, IA	1000 500r
WHLS Port Huron, MI KATE Albert Les, MN	1000 1000	WRVK Mt. Vernon, KY	500d	WARI Abbebille, AL WBTS Bridgeport, AL	1000d 1000d	KRIB Mason City, IA KKAN Philipsburg, KS	1000
KBUN Bemidji, MN KBMW Breckenridge, MN	1000r 1000r	WXOK Baton Rouge, LA KBSF Springhill, LA	5000r 1000d	WLPH Irondale, AL	5000d	KTOP Topeka, KS	1000
WELY EIV, MN	1000r	WEMD Easton, MD	1000r	WABB Mobile, AL KPHX Phoenix, AZ	5000 1000d	WFKY Frankfort, KY WKAY Glasgow, KY	1000
KCLD St. Cloud, MN WROX Clarksdale, MS	1000r 1000r	WBET Brockton, MA WBRN Big Repids, MI	5000r 1000d	KTHS Berryville, AR	5000d	WOMI Owensboro, KY	1000
WCJU Columbia, MS	1000r	WPON Pontlac, MI KDWA Hastings, MN	1000r 1000d	KWUN Concord, CA KRED Eureka, CA	500 5000r	WSIP Paintsville, KY WIKC Bogalusa, LA	1000
WJXN Jackson, MS WQIC Meridian, MS	1000r 1000r	KDMA Montevideo, MN	1000	KYOS Mercedes, CA KWIZ Santa Ana, CA	5000 5000	KEUN Eunice, LA	1000
WNAT Natchez, MS WROB West Point, MS	1000r 1000r	KKAQ Theif River Falls, MN WELZ Belzoni, MS	1000d 1000d	KSEE Santa Maria, CA	1000d	KJIN Houma, LA KRUS Ruston, LA	1000
KFTW Fredericktown, MO	1000	WCIS Moss Point, MS	500d	KPUB Pueblo, CO WKND Windsor, CT	1000d 500d	WPOR Portland, ME WTVL Waterville, ME	1000
WNBH Joplin, MO KIRX Kirksville, MO	1000	KIRL St. Charles, MO KRNY Kearney, NE	5000r 5000d	WAPG Arcadia, FL	1000d	WARK Hagerstown, MD	1000
KOKO Warrensburg, MO	1000	KENO Las Vegas, NV WJJZ Mt. Holly, NJ	5000r 5000d	WGNE Panama City Beach, F WVCF Ococee, FL	1000d	WHAV Haverhill, MA WMRC Milford, MA	1000
KWPM West Plains, MO KXXL Bozeman, MT	1000	WOKO Albany, NY	5000	WYZE Atlanta, GA WRDW Augusta, GA	5000d 5000	KNUS West Springfield, MA	1000r
KQDI Great Falls, MT KGRZ Missoula, MT	1000r 1000	WVOX New Rochelle, NY WWWG Rochester, NY	500d 5000	WGSB Geneva, IL	1000r	WABJ Adrien, MI WTIQ Manistique, MI	1000 1000r
KRBN Red Lodge, MT	1000	WAKS Fuguay-Varina, NC	5000d	WJBM Jerseyville, IL WTHI Terre Haute, IN	500d 5000r	WMPX Midland, Mi WLRQ Whitehali, Mi	1000 1000r
KTXX Whitefish, MT KVCK Wolf Point, MT	1000	WRKS Kennapolis, NC WMMH Marshall, NC	500d 500d	WRSW Warsaw, IN	1000r	KXRA Alexandria, MN	1000
KWBE Beatrice, NE	1000	KLTC Dickinson, ND	5000	KLEE Ottumwa, IA KBEA Mission, KS	500d 1000r	KLGR Redwood Falls, MN WLOX Blloxi, MS	1000
WKXL Concord, NH	1000	WBNS Columbus, OH WPVL Painesville, OH	5000r 1000r	KWKN Wichita, KS	5000	WCLD Cleveland, MS	1000
WIIN Atlantic City, NJ	1000r	KROW Dalles, OR KCAN El Reno, OK	5000d 500d	WKOA Hopkinsville, KY WNKY Neon, KY	1000d 1000d	WHOC Philadelphia, MS WTUP Tupelo, MS	1000
WCTC New Brunswick, NJ KLMX Clayton, NM	1000 1000	WMBA Ambridge, PA	500d	WTLO Somerset, KY KCKW Jens, LA	1000d 500d	WJFL Vicksburg, MS	1000r
KOBE Las Cruces, NM KENM Portales, NM	1000	WCMB Harrisburg, PA WFAB Juncos, PR	5000 500d	KJOE Shraveport, LA	1000d	KDMO Carthage, MO KTTR Rolla, MO	1000
WCLI Corning, NY	1000	WFBA San Sebastian, PR	500	WSAR Fall River, MA WMAX Grand Rapids,	5000 5000d	KDRO Sedalla, MO KLYC Laurel, MT	1000r
WWSC Glen Fails, NY WHDL Olean, NY	1000r 1000	WDOG Allendale, SC WBCU Union, SC	1000d 1000	WMOS Tawas City-E. Tawas,		KDBM Dillan, MT	1000
WKIP Poughkeepsle, NY	1000	WQZQ Jackson, TN	1000d	WSDS Ypsilanti, Mi	1000d 5000d	KLYC Laurel, MT KYNN Omaha, NE	1000r
WKAL Rome, NY WATA Boone, NC	1000	WEEN Lafayette, TN KBRZ Freeport, TX	1000d 500d	KAUS Austin, MN	1000	WENJ Laconia, NH	1000
WGNC Gastonia, NC	1000 1000	KRME Hondo, TX KLLL Lubbock, TX	500d 1000d	KEHG Fosston, MN KPIA Ironton, MO	5000 5000d	WUSS Atlantic City, NY	1000r
WIZS Henderson, NC WHKP Hendersonville, NC	1000	WACO Waco, TX	1000	KGCX Sidney, MT KLMS Lincoln, NE	5000 5000r	KRSN Los Alamos, NM KRTN Raton, NM	1000
WHIT New Bern, NC WFBS Spring Lake, NC	1000	WPRW Manassas, VA WRAD Radford, VA	5000 5000r	KWEW Hobbs, NM	5000r	WCSS Amsterdam, NY WBTA Batavia, NY	1000 500r
KGCA Rugby, MD	1000	KGAA Kirkland, WA	5000r	WLEA Hornell, NY WJIT New York, NY	25 00d 5000	WKNY Kingston, NY	1000
WJER Dover-New Philadelphi OH		KMWX Yakima, WA WBUC Buckhannon, WV	5000 5000d	WADR Remsen, NY	5000d	WICY Malone, NY WDLC Port Jervis, NY	1000
WMOH Hamilton, OH	1000	WWEG Racine, WI	500d	WWKO Fair Bluff, NC WAME Charlotte, NC	1000d 5000	WLOF Syracuse, NY	1000
WLEC Sandusky, OH KWHW Altus, OK	1000	WTMB Tomah, WI	1000d	WLTM Franklin, NC	500d	WDUR Durham, NC WLOE Eden, NC	1000
KGFF Shawnee, OK KSIW Woodward, OK	1000	1470-204.0		WYRN Louisburg, NC WYDK Yadkinville, NC	1000d	WFLB Fayetteville, NC	1000
KEED Eugene, OR	1000	WBLO Evergreen, AL KAZM Sedona, AZ	1000d 5000d	WHBC Canton, OH WCIN Cincinnati, OH	5000 5000r	WRNB New Bern, NC WRNT Rocky Mount, NC	1000
KFLS Kalmath Falls, OR KLBM La Grande, OR	1000r 1000	KEDW DeWitt, AR	500d	WCNS Latrobe, PA	500d	WSTP Sallsbury, NC WSVN Valdese, NC	1000
KBPS Portland, OR	1000	KWXI Glenwood, AZ KSVA Slerra Vista, AZ	2500d	WDAS Philadelphia, PA WISL Shamokin, PA	5000 1000	WWIL Wilmington, NC	1000r
WEYZ Erie, PA WFRA Franklin, PA	1000 1000	KOLI Coalinga, CA KOAC Glenwood, AR	2500d	WSHP Shippensburg, PA	500d	KNDC Hettinger, ND KOVC Valley City, ND	1000
WDAD Indiana, PA	1000	KOKI Coalinga, CA	500d	WMDD Fajardo, PR KSDR Waterton, SD	5000 1000d	WBEX Chillicothe, OH	1000
WPAM Pottsville, PA WMPT S. Williamsport, PA	1000	KUXX Paimdale, CA KXOA Sacramento, CA	5000r 5000r	WJFC Jefferson City, TN	500d	WJMO Cleveland Heights, OH WOHI East Liverpool, OH	1000
WMAJ State College, PA WJPA Washington, PA	1000	KSIR Estes Park, CO	1000d	WMQM Memphis, TN WJLE Smithville, TN	5000d 1000d	WMOA Marietta, OH WMRN Marion, OH	1000
WCPR Coamo, PR	1000	KRDZ Wray, CO WMMW Meriden, CT	1000d 5000r	WNBG Waynesboro, TN KBOX Dallas, TX	5000r	KOKC Guthrie, OK	1000 500r
WKRI West Warwick, Ri WQSN Charleston, SC	1000r 1000	WWQT Dunedin, FL	5000d 5000r	KLVL Pasadena, TX	1000r	KBIX Muskogee, OK KBKR Baker, OR	1000
WCRS Greenwood, SC	1000r	WRBD Pompano Beach, FL WBIT Adel, GA	1000d	KAPE San Antonio, TX KONI Spanish Fork, UT	500d 1000d	KRNR Roseburg, OR	1000
WMYB Myrtle Beach, SC WHSC Hartsville, SC	1000 1000	WCCD Athens, GA WCLA Claxton, GA	1000d	WCFR Springfield, UT	5000d	WESB Bradford, PA	1000
KBFS Belle Fourche, SD	1000	WRGA Rome, GA	5000	WBBL Richmond, VA WLEE Richmond, VA	5000 5000	WAZL Hazleton, PA	1000
WLAR Athens, TN	1000	WMPP Chicago Heights, IL WMBD Peorla, IL	1000d 5000	WUEZ Salem, VA KLAY Lakewood, WA	5000d	WJNL Johnstown, PA WLPA Lancaster, PA	1000 1000r
WMOC Chatanoonga, TN WDSG Dyersburg, TN	1000	WHUT Anderson, IN	1000d	KARO Vancouver, WA	1000	WBCB Levittown, PA WMRF Lewiston, PA	1000
WSMG Greeneville, TN	1000	KWSL Sloux City, IA KWAY Waverly, IA	5000 1000d	WISM Madison, WI KRAE Cheyenne, WY	5000 1000d	WMGW Meadville, PA	1000
WLAF LaFoliette, TN WGNS Murfreesboro, TN	1000	KARE Atchison, KS	1000d		10000	WNBT Wellsboro, PA WZBS Ponce, PR	1000r
KAYC Beaumont, TX	1000	KLIB Liberal, KS WSAC Ft. Knox, KY	1000d	1490-201.2	40.05	WSIB Beautort, SC	500
KBEN Carrizo Springs, TX KCTI Gonzalez, TX	1000r 250	WFSR Harlan, KY WBFC Stanton, KY	1000d	WANA Anniston, AL WAJF Decatur, AL	1000r 1000r	WGCD Chester, SC WMRB Greenville, SC	1000
KMBL Junction, TX KCYL Lampasas, TX	1000 1000	KTDL Farmersville, LA	1000d	WRLD Lanett, AL	1000r 1000r	WSDC Hartsville, SC KORN Mitchell, SD	250 1000
KMHT Marshall, TX	1000	KLCL Lake Charles, LA WLAM Lewiston, ME	5000 5000	WHBB Selma, AL KCUZ Clifton, AZ_	1000r	WOPI Bristol, TN	1000
KNET Palestine, TX KSNY Snyder, TX	1000 1000	WJDY Salisbury, MD WTTR Westminster, MD	5000d 1000d	KYCA Prescott, AZ KAIR Tucson, AZ	1000r 1000r	WDXB Chattanooga, TN- WCSV Crossville, TN	1000r 1000r
KURA Moab, UT	1000	WSRO Marlboro, MA	1000r	KXAR Hope, AR	1000r	WITA Knoxville, TN	
KEYY Provo, UT KDXU St. George, UT	1000r 1000r	WNBP Newburyport, MA WKMF Flint, MI	500d 5000r	KDRS Paragold, AR KOTN Pine Bluff, AR	1000r 1000r	JJN Lewisburg, TN WDXL Lexington, TN	1000
WSNO Barre, VT	1000	WYYY Kalamazoo, Mi	500d	KWAC Bakersfield, CA	1000r	KNOW Austin, TX	1000
WTSA Brattleboro, VT WFTR Front Royal, VA	1000 1000r	KTWN Anoka, MN WCHJ Brookhaven, MS	1000d 1000d	KGUD Banning, CA KICO Calexico, CA	250 1000r	KIBL Beeville, TX KBST Big Springs, TX	1000
WENZ Highland Springs, VA	1000 1000r	WNAU' New Albany, MS	500	KRKC Ging City, CA	1000r	KQTY Borger, TX	1000
WREL Lexington, VA WMVA Martinsville, VA	1000r	KGHM Brookfield, MO KTCB Malden, MO	500d 1000d	KTOB Pelaluma, CA KBLF Red Bluff, CA	1000r 1000r	KNEL Brady, TX KWMC Del Rio, TX	1000 1000
WFOG Sulfolk, VA KBKW Aberdeen, WA	1000r 1000R	WTKO Ithaca, NY	5000r 1000d	KDB Santa Barbara, CA KOWL S. Lake Tahoe, CA	1000r 1000r	KSAM Huntsville, TX KVOZ Laredo, TX	1000
KCLX Colfax, WA	1000r	WPDM Potsdam, NY WVBS Burgaw, NC	1000d	KSWC Yreka, CA	1000r	KZZN Littlefield, TX	1000
KONP Port Angeles, WA KRPM Puyallup, WA	250 1000r	WBIG Greensboro, NC WPNC Plymouth, NC	5000 5000d	KBOL Boulder, CO KGUC Gunnison, CO	1000 1000	KPLT Paris, TX KDOK Tyler, TX	1000
WWBB Madison, WV	1000r	WTOE Spruce Pine, NC	1000d	KIIQ Manitou Springs, CO	500r	KVWC Vernon, TX	1000
WPAR Parkersburg, WV KFIZ Fond du Lac, WI	1000r 1000r	WOHO Toledo, OH KVLH Pauts Valley, OK	1000 1000d	WGCH Greenwich, CT WTRL Bradenton, FL	1000	KJQN Ogden, UT WKVT Brattleboro, VT	1000
WDLB Marshfield, WI	1000r 1000r	KVtN Vinita, OK	500	WETO De Land, FL	1000	WFAD Middlebury, VT	1000
WRCO Richland Center, WI KBBS Buffalo, WY	1000r	KDUN Reedsport, OR WSAN Allentown, PA	5000d 5000	WKEM Immokalee, FL WMBM Miami Beach, FL	1000	WYKR Wells River, VT WIKE Newport, VT	1000r
KVOW Riverton, WY	1000r	WFAR Farrell, PA	1000r	WCKC Milton, FL	1000r	WCVA Culpeper, VA WPAK Farmville, VA	1000 1000r
1460-205.4		WRML Portage, PA WKCK Orocovis, PR	500d 1000	WPXE Starke, FL WTTB Vero Beach, FL	1000	WWDE Hampton, VA	1000
WFMH Cullman, AL	5000r	WQXL Columbia, SC	5000d 5000d	WSIR Winter Haven, FL WMOG Brunswick, GA	1000r 1000	WAYB Waynesboro, VA KBRO Bremerton, WA	1000
WPNX Phenix City, AL KCOT Marienna, AR	5000r 500d	WINH Georgetown, SC WEAG Alcoa, TN	1000d	WMJM Cordele, GA	1000	KVAC Forks, WA	1000
KCCL Paris, AR	500d 5000r	WVOL Berry Hill, TN KRBC Abilene, TX	5000r 5000r	WYYZ Jasper, GA WRED Monroe, GA	1000r 1000r	KNCW Grand Coulee, WA KLOG Kelso, WA	1000
KTYM Inglewood, CA KDON Salinas, CA	5000	KDHN Demmitt, TX	500d	WSFB Quitman, GA	250	KENE Toppenish, WA	1000
KVRE Santa Rosa, CA	1000d 1000	KWRD Henderson, TX KCNY San Marcos, TX	500d 500d	WSNT Sandersville, GA WSYL Sylvania, GA	1000r 1000 1000	KTEL Walla Walla, WA WXIT Charleston, WV	1000
KYSN Colorado Springs, CO				KCID Caldwell, ID		WTCS Fairmont, WV	1000

			U.	Э.	AIVI	SIAII	CNS	BY	FREQUE	NCT
Call Location	W.P.	Call Location	W.P.	Í	Call	Location	W.P.	Call	Location.	WIP.
WAEY Princeton, WV	1000	KSIB Creston, IA	1000d		WRTC UE	richville, OH	250d	WTRO	Warsaw, NC	10000d
WSGB Sutton, WV	1000	WHIC Hardinsburg, KY	1000d		WRCP Ph	illadelphia, PA	50000d	WBKC	Chardon, OH	1000d
WGEZ Beloit, WI WLCX La Crosse, WI	1000	WRSL Stanford, KY KXKW Lafayette, LA	500d 10000r		WARD PI	itston, PA	1000d 5000d		Coshocion, OH / Fairfleid, OH	1000d 5000d
WIGM Medford, WI WYTL Oshkosh, WI	1000 1000	WYOB Bel Air, MD WTRI Brunswick, MD	250d 500d	1	WBJA GU	ayama, PR ewport, RI	250d 1000d	WTOD	Toledo, OH Chickasha, OK	5000d 1000r
KOJO Laramie, WY	500r	WPOE Greenfield, MA	10000d		WPKZ PIC	kens, SC	1000d	KRBB	Sallisaw, OK	250d
KUGR Green River, WY KRTR Thermopolis, WY	1000r 250	WKGR Muskegon Heights,	10000d		WEIC Ada	amsville, TN nton, TN	1000d	WRSJ	Bayamon, PR Clemson, SC	5000r 1000d
KGOS Torrington, WY	1000	WYFC Ypsilanti, MI KOLM Rochester, MN	250d 10000d	1	WJJT Jell		1000d 500d	WAGL	Lancaster, SC Aberdeen, SD	50000d 10000
1500-199.9		WZBR Amory, MS			KTIA Ft. \	Worth, TX	50000r	WWG	A Nashville, TN	10000d
WVSM Rainesville, AL	1000d	WQMA Marks, MS WCSP Port Glbson, MS	250d 250d			ilveston, TX n Antonio, TX	1000r 5000r	KBER	Bolivar, TN Abliene, TX	250d 500d
WKAX Russellville, AL KIEL Jacksonville, AR	1000d 1000d	KMPL Sikeston, MO WIBG Ocean City-Somers P	5000r			hmond, VA Jellevue, WA	10000d 5000	KEGG	Daingerfield, TX Hillsboro, TX	1000d 250d
KROQ Burbank, CA KXRX San Jose, CA	10000r 10000r	NJ	1000d	1		artford, WI	500d	KGUL	Port Lavaca, TX	500d
WFIF Milford, CT	5000d	KAMX Albuquerque, NM WKBW Buffalo, NY	1000d 50000		1550-	193.5		KGHO	South Boston, VA Hoquism, WA	2500r 1000d
WTOP Washington, DC WKIZ Key West, FL	50000 250	WTHE Mineola, NY WDSL Mocksville, NC	1000d 5000d			intsville, AL	50000r		Sumner, WA Kingwood, WV	250d 1600d
WGUL New Port Richey, F WIAF Clarkesville, GA	L 250d 5000d	WYRU Red Springs, NC	5000r		WMOO M		50000d 50000d		Port Washington, V	
WKRP Dallas, GA		WARR Warrenton, NC KMAV Mayville, ND	1000d 2500d		KXEX Fre	sno, CA	5000d	157	0-191.1	
WDLS Dallas, GA WSEM Donalsonville, GA	1000d 1000d	WBNO Bryan, OH WINW Canton, OH	500d 1000d		KCXI Arv	Francisco, CA ada, CO	10000 10000d	1	Oneonta, AL	2500d
WDEN Macon, GA KUMU Honolulu, HI	1000d 5000	WKNT Kent, OH	1000d		WMLB W	est Hartford, CT oral Gables, FL	1000d 1000r		Selma, AL Brankley, AR	5000d 250d
WGEN Geneseo, IL	250d	WGOR Toledo, OH KOMA Oklahoma City, OK	1000 50000		WCCZ N	ew Smyrna Beach	, FL 250d	KBJT	Fordyce, AR	250d
WPMB Vandalla, IL WKZN Zion, IL	250d 250d	KYXI Oregon City, OR WCHE West Chester, PA	50000r 250d	1	WYOU TE	igusta, GA	10000d 5000d	KCVR	Hardy, AR Lodi, CA	1000d 5000d
WBRI Indianapolis, IN. WAKE Valparasio, IN	5000 1000d	WRAI San Juan, PR	10000		WYNX Sn	nyrna, GA Tenna, GA	10000r	KHNY	Riverside, CA Salinas, CA	5000d 250d
WKXO Berea, KY	250d	WTGR Myrtle Beach, SC WKMG Newberry, SC	5000d 1000d		WJIL Jac	ksonville, IL	1000D	KLOV	Loveland, CO	1000a
WMJL Marion, KY KQXL New Roads, LA	250d 1000d	KLYX Sloux Falls, SD WBHT Brownsville, TN	500d 250d			orydon, IN	250d 250d	WYHI	Auburndale, FL Fernandina Beach, I	
WWKQ Battle Creek, MI WLQV Detroit, MI	1000d 50000r	WREA Dayton, TN	5000d		WCVL Cr	awfordsville, IN ew Castle, IN	250 250	WOKO	Okeechobee, FL Ashburn, GA	1000d
KSTP St. Paul, MN	50000 1000d	WIDD Elizabethton, TN KRJH Hallettsville, TX	1000d		WNDI Su	Ilivan, IN	250d	WGHC	Clayton, GA	1000d
WBFN Quitman, MS WSSL Centerville, MS		WEXM Jamesville, VA	500d	1		dge City, KS	500d 1000d	WGSR	College Park, GA Millen, GA	5000d 1000d
KDFN Doniphan, MO WKER Pompton Lakes, NJ	1000d 1000d	1530-196.1			KNIC WIR		250d 1000d	WOKZ	Alton, IL Freeport, IL	1000d 5000d
WGMF Watkins Glen, NY WLWL Rockingham, NC	250d 500	WAAO Andalusia, AL KELC England, AR	1000d		WIRV Irvi	ne, KY organville, KY	1000d 250d	WBEE	Harvey, IL Robinson, IL	1000d 250d
WSMX Winston-Salem, NC	10000d	KXRQ Trumann, AR	250d		WLUX Ba	ton Rouge, LA	5000d	WIFF	Auburn, IN	500d
WGFT Youngstown, OH WGIC Xenia, OH	500 500d	KCTT Yellville, AR KFBK Sacramento, CA	500d 50000	1	WSER EI	reveport, LA kton, MD	10000r 1000d	WOBS	Frankfort, IN New Albany, IN	250d 1000d
KXVO Pawhuska, OK WMNT Manati, PR	5000d 1000r	KKCS Colorado Springs, CC WDJZ Bridgeport, CT	1000d 10000d	1	WNTN N	ewton, MA reenville, MS	10000d	KMCD	Fairfield, IA Webster City, IA	250d 250d
WEAC Gaffney, SC WDEB Jamestown, TN	1000d 1000d	WENG Englewood, FL	1000d 50000d		WSHN Fr	emont, MI ckson, MS	780d 50000r	KNDY	Marysville, KS Burkesville, KY	250d 1000d
WTNE Trenton, TN	250	WCRJ Jacksonville, FL WTTI Daiton, GA	10000d		WSAO Se	enatobla, MS	5000d	WLBQ	Morgantown, KY	250d
KBGG Merkel, TX KTXO Sherman, TX	1000d	WKDC Elmhurst, IL KDSN Denison, IA	250d 500d		KKJO St.	ape Girardeau, M Joseph, MO	5000	WABL	Vanceburg, KY Amite, LA	1000d 500d
KANI Wharton, TX	500	KONK Norton, KS WRXV Auburn, ME	1000d 10000d		KLFJ Spr KICS Has	ingfield, MO stings, NE	250d 500d		Leesville, LA Winnsboro, LA	1000 1000d
1510-199.1		WCTR Chestertown, MD WTHM Lapeer, MI	250d 5000d		KOBY Re		10000d 250d	WTOW	Towson, MD Taunton, MA	5000d 1000d
KACJ Greenwood, AR KDJQ Mesa, AZ	1000d 10000d	WYGR Wyoming, MI	500d		WUTQ U	tica, NY	1000	WBVD	Beverly, MA	500d
KNSE Ontario, CA	10000ŕ	WJRL Calhoun City, MS WYAZ Yazoo City, MS	250d 250d		WYNA RE	eenville, NC sleigh, NC	1000d 1000d	WLBQ	Westfield, MA Flint, MI	25 00 d 10 00 d
KIRV Fresno, CA KTIM San Rafael, CA	10000d 1000d	WRPM Poplarville, MS KSMM Shakopee, MN	10000d 500d		WTYN Tr	yon, NC nston-Salem, NC	1000d 1000d		Grand Rapids, Mi Golden Valley, MN	1000d 2500d
KDKO Littleton, CO WNLC New London, CT	5000r 10000r	KPCR Bowling Green, MQ KMAM Butler, MO	1000d 500d	1		est Fargo, ND elaware, OH	10000d 500d		lay Springs, MS Winona, MS	1000d 1000d
WKAO Boynton Beach, FL WWBC Cocoa, FL	1000d 1000d	KECK Lincoln, NE	5000d		KMOD M		500d 500d	KLEX	Lexington, MO Amsterdam, NY	250d 1000d
WMIB Marco Island, FL	1000d 1000d	WJDM Elizabeth, NJ WRBX Chapel Hill, NC	500d 10000d	1	KMAD M	adrill, OK	250d	WFLR	Dundee, NY	1000d
WINU Highland, IL WJRC Joilet, IL	500d	WOBR Wanchese, NC WCKY Cincinnati, OH	250d 50000		WFFM Br	pulpa, OK addock, PA	500d 1000d	WRCN	Fredonia, NY Riverhead, NY	250d 1000d
WKAI Macomb, IL WAYT Wabash, IN	1000d 250d	KWOK Wagoner, OK WBCW Jeanette, PA	500d 1000d		WKFE Ya	wanda, PA	250 500d	WNCA	Taylorsville, NC Siler City, NC	500d 1000d
KIFG lowa Falls, IA KANS Larned, KS	1000d 1000d	WHYP North East, PA WVFC McConnellsburg, PA	1000d 1000d	1	KBSC Be WKYE Br	nnettsville, SC	10000r 1000d	WGLX	Gallon, ÓH Piqua, OH	500d 250d
KAGY Port Sulphur, LA WITS Boston, MA	1000d 50000	WMBT Shenandoah, PA	250d		WKVL CI	arksville, TN ookeville, TN	250 250d	WTCL	Warren, OH Frederick, OK	500d 250d
WDJD Jackson, MI WLKM Three Rivers, MI	5000d 500d	WUPR Utuado, PR WASC Spartanburg, SC	1000r 1000d		WORI Oa	k Ridge, TN	1000d	KMYZ	Pryor, OK	1000d
WKPO Prentiss, MS	1000d	WJPJ Huntington, TN KGTN Georgetown, TX	1000d 1000d			oddy Dalsy, TN	500d 1000d	WBUX	Danville, PA Doylestown, PA	1000d 5000d
KCCV Independence, MO KEMM Marshfleld, MO	1000d 250d	KAWS Hemphill, TX KBGT Harlingen, TX	1000d 50000r		KHBJ Ca	nyon, TX omanche, TX	1000d 250d	WGTW	Latrobe, PA Gaffney, SC	1000d 250d
KTTT Columbus, NE WRAN Dover, NJ	500d 10000r	KNBO New Boston, TX KCLR Ralls, TX	1000d 5000d		WKBC N	sbasota, TX ranger, UT	250d 10000r	WLSC	Loris, SC Vermillion, SD	1000d 500d
WJIC Salem, NJ WPUT Brewster, NY	2500d 1000d	WFIC Collinsville, VA	1000d		WKBA VI	nton, VA	10000d	WHLP	Centerville, TN	5000d
WEAL Greensboro, NC	1000d	WPWC Quantico, VA KUUY Cheyenne, WY	250d 1000d		WXVA Ch	rginia Beach, VA naries Town, WV	5000d 5000d	WTRB	Cleveland, TN Ripley, TN	2500d 1000d
WLGN Logan, OH WLKR Norwalk, OH	5000d 500d	1540-195.0			KGAR Va	ilingham, WA ncouver, WA	10000 10000	KVLG	Farwen, TX La Grange, TX	250d 250d
WTRJ Troy, OH KBJS Sallisaw, OK	250d 1000d	WALN Lineville, AL	1000d			ke Geneva, WA ladison, Wi	10000d 5000d		Terrell, TX Pennington Gap, V	250d A 1000d
WAHT Annville-Cleona, PA WRUA Monroeville, PA	5000d 250d	KASA Phoenix, AZ KZRK Ozark, AR	10000d 500d	1		ver Falls, WI	1000d	WYTH	locky Mount, VA Appleton, WI	1000d 1000d
WVAP Burnettown, SC WCPL Pageland, SC	1000r	KKDI Sheridan, AR KMFU Aptos-Capitola, CA	250d 1000d		1560-	-192.3		WFBZ	Minocqua, Wi	100d
WSJW Woodruff, SC	1000d	KZLA Los Angeles, CA	50000r		WAGC C	entre, AL	1000d	1580	-189.2	
KMSD Milibank, SD WLAC Nashville, TN	5000d 50000	WZAL Jackson, GA WOGA Sylvester, GA	1000 1000d	1	KDDA DU	nette, AR	500d 250d	WEYY	Talladege, AL	250d
KAGC Bryan, TX KCTX Childress, TX	500d 250d	KISA Honolulu, HI WSMI Litchfield, IL	5000 1000d		KPMC Ba	kersfield, CA ows, CA	10000 250d	KPCA	empe, AZ Marked Tree, AR	50000r 250d
KMND Midland, TX KMOO Mineoia, TX	5000d 500d	WBNL Booneville, IN WADM Decatur, IN	250d 250d	ı	WTAI Eat	ı Galile, FL rerness, FL	5000d 5000d	KFDF '	/an Buren, AR Merced, CA	1000d 1000d
KEAM Port Arthur, TX	5000d	WLOI La Porte, IN WCBK Martinaville, IN	250d 500d		WLEJ EIII WIZY Gor	Jay, GA	250d	KDAY	Santa Monica, CA colorado Springs, C	50000
KORB Robstown, TX KSTV Stephenville, TX	500d 500d	KXEL Waterloo, IA	50000		WBYS Ca	nton, IL	5000d 250d	WENO	Chattahoochee, FL	5000d
WBLB Pulaski, VA KAAR Mt Lake Terrace, WA	1000d 250d	KNEX McPherson, KS KLKC Parsons, KS	250d 250d		WUME Pa		500d 250d	WGTW	F‡. Lauderdale, FL Mt. Doral, FL	10000r 5000d
KGA Spokane, WA WAUK Waukesha, Wi	50000 10000d	WKCB Hindman, KY KCTO Columbia, LA	1000d 1000d		WRIN Res	uncil Bluffs, IA	1000d 1000d	WCCF	Punta Gorda, FL Columbus, GA	1000d 1000
		KGLA Gretna, LA WDON Wheaton, MD	500d 5000d		KCJJ low	a City, IA	1000d 250d	WKIG	Glennville, GA Monroe, GA	1000d 1000d
1520-197.4 WAOA Opelika, AL	5000d	WSWG Greenwood, MS WMLM St. Louis, Mi	1000d 1000d		WKDO LI	berty, KY	250d	WFVR	Aurora, IL DuQuoin, IL	250d
KMPG Hollister, CA	500d	KBXM Kennett, MO	1000d		WDXR Pa	dlesboro, KY ducah, KY	1000d 10000	WBBA	Pittsfield, IL	250d 250d
KACY Port Hueneme, CA WTLN Apopka, FL	50000r 10000d	WKXR Exeter, NH WPTR Albany, NY	1000d 50000		WSDL SH	dell, LA	1000d 1000d	WCNB	Urbana, IL Connersville, IN	250d 250d
WGNB Indian Rocks Beach	L 1000d	WYRD East Syracuse, NY WRPL Charlotte, NC	1000d 10000d		WSMD La WBUK Po	rtage, MI	25000r 2500d	WMAW	South Bend, IN Washington, IN	1000d 250d
WEXY Oakland Park, FL WXPQ Eatonton, GA	1000d 1000d	WIFM Elkins, NC WOOZ Whiteville, NC	1000d 1000d		WMIC Sal	ndusky, MI se Earth, MN	1000d 1000d	KCHA	Charles City, IA Davenport, IA	250d 500d
WDGL Douglasville, GA WNMT Garden City, GA	1000d 1000d	WYNC Yanceyville, NC KHND Harvey, ND	500d		KQYX Jop	in, MO	10000d	WAXU	Georgetown, KY	10000d
WHOW Clinton, IL	5000d	WBCO Bucyrus, OH	500d		KLTI Mac	Ivan, MO	250d 1000d	WPKY	Leitchfield, KY Princeton, KY	250d 250d
WLUV Loves Park, IL WKVI Knox, IN	500d 250d	WNRE Circleville, OH WABQ Cleveland, OH	1000d 1000d		WOXR No	w York, NY	50000	KLOU	laynesville, LA Lake Charles, LA	1000d 1000
WSVL Shelbyville, IN	1000r I	WNIO Niles, OH	500d	1	WYZD Do	bson, NC	2500d	WPGC	Morningside, MD	50000d

Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P.	Call	Location	W.P
WRBJ S	t, Johns, Mi	1000d		,	L 1000d			RI 1000d	WLPQ	Pittsburg, KY	5000
KDOM V	Vindom, MN	250d	WELE	S. Daytona, FL	1000d		Abbeville, SC	1000d		Ferriday, LA	10000
	Amory, MS	5000d		Albany, GA	5000r		Camden, SC	1000d		Golden Meadow, LA	10000
	lattiesburg, MS	1000d		Lafayette, GA	5000d		Travelers Rest, SC			Rockville, MD	1000
	eland, MS	1000d		Swainsboro, GA	250d		Jonesboro, TN Springfield, TN	5000 1000d		Brookline, MA East Long Meadow, MA	
WPMP I	ascagoula-Moss Poi			Thomaston, GA	500 d		Carthage, TX	2500d			
KTOP C	Columbia, MO	5000d 250d		Evanston, IL	5000r 5000d		Eastland, TX	500d		Ann Arbor, MI	500
	I Dorado Springs, M			Galesburg, AL Beech Grove, IN	5000r		El Paso, TX	1000d		Muskegon, Mi Walker, MN	1000
	aryville, MO	250d		Mt. Vernon, IN	500d		Houston, TX	5000		Clarksdale, MS	1000
	ozad. NE	1000d		Boone, IA	1000r		Lubbock, TX	1000		St. Louis, MO	500
	annonton, NJ	1000d		Great Bend, KS	5000	KBUS	Mexia, TX	500d		Trenton, MO	500
	Vashington, NJ	1000d		Inez, KY	5000		inton, TX	1000r		Nebraska City, NE	500
KZIA AI	buquerque, NM	1000d		Lebanon, KY	1000d	KMTIA	fanti, UT	5000		Superior, NE	500
	atchogue, NY	10000d		White Castle, LA	1000d		Richmond, VA	5000d		Dansville, NY	500
	Ibemarle, NC	250d	WDCI	Gorham, ME	5000r		Seattle, WA	5000	WWRL	New York, NY	500
	ampLejeune, NC	10000d	WJRO	Glen Burnle, MD	1000		lew Richmond, Wi		WMCR	Onelda, NY	1000
	Columbus, OH	1000d	WETT	Ocean City, MD	1000r		Platteville, Wi	1000r		Sag Harbor, NY	500
	ackwell, OK	1000d		Coldwater, MI	5000r		Two Rivers, Wi	1000d		Charlotte, NC	2500
	bensburg, PA	1000d		Grayling, Mi	1000d	WAWA	West Allis, Wi	1000d		Fayetteville, NC	1000
	Vaynesburg, PA	1000r		Marine City, MI	1000d					Hendersonville, NC	1000
	Orangeburg, SC	1000d 5000r		E. Grand Forks, MN		1600	-187.5			Reidsville, NC	100
	ravelers Rest, SC Henderson, TN	250d		Jackson, MS	5000r	WELLO	Huntsville, AL	5000r		Carrington, ND	500
	elbyville, TN	1000d		Kansas City, MO	1000d		Iontgomery, AL	50007		West Jefferson, NC	1000
	noxville, TN	5000d		Dexter, MO Rolla, MO	1000d 1000d		Cottonwood, AZ	1000d		Ashtabula, OH Springfield, OH	1000
	alneaville, TX	250d		Wayne, NE	2500d		South Tucson, AZ	1000		Tiffin, OH	500
	ssion, TX	1000d		Nashua, NH	5000		Marshall, AR	5000d		Cushing, OK	1000
KTLU R		500d		Plaintield, NJ	500d		est Helena, AR	50000		Eugene, OR	5000
	leguin, TX	1000d		Auburn, NY	500d		resno, CA	5000		St. Helens, OR	1000
KBYP S	hamrock, TX	250d		Brockport, NY	1000	KWOW	Pomona, CA	5000		Allentown, PA	500
KRZI W		1000r	WEHH	Elmira Heights-Hor			Santa Marle, CA	500d		Bedford, PA	5000
	anville, VA	1000d			NY 500d		ruba City, CA	5000r		Elizabethtown, PA	500
	ulaski, VA	5000d	WGGC	Salamança,NY	5000d		akewood, CO	5000		Jersey Shore, PA	1000
WITN V	Vatertown, Wi	1000d	WBHN	Bryson City, NC	500d		Dover, DE	5000r		Bayamon, PR	500
				Cherryville, NC	500d		tlantic Beach, FL	5000		Fountain Inn, SC	1000
				Chadbourn, NC	1000d		Key West, FL	500 5000r		North Augusta, SC	500
				Clayton, NC	5000d		Riviera Beach, FL Winter Garden, FL			Harriman, TN	5000
				High Point, NC	1000d		Austell, GA	1000d		Lebanon, TN Milan, TN	500 1000
1590	-188.7			Akron, OH	5000 500d		Nashville, GA	1000d		Borger, TX	5000
		5000d		Hillsboro, OH Henryetta, OK	500d		Warner Robbins, G			Brownsville, TX	100
	Atmore, AL Alexander City, AL	1000d		Weathertord, OK	1000d		Chicago Heights,			Cuero, TX	500
	Tuscumbia, AL	5000r		fillamook, OR	5000r		Harvard, IL	500d		Midland, TX	1000
	ine Bluff, AR	1000d		Carnegle, PA	1000d		Linton, IN	500d		McKinney-Plano, TX	5000
	pringdale, AK	1000d		Chambersburg, PA		WARU	Peru, IN	1000d	KOGT	Orange, TX	500
	AcFarland, CA	500d		Chester-Aston, PA	1000r		Algona, IA	5000d	KBBX	Centerville, UT	5000
	n Jose, CA	5000	WDHN	Honesdale, PA	2500d		Ceder Rapids, IA	5000		Chesapeake, VA	5000
	Ventura-Oxnard, CA	5000		Mt. Carmel, PA	1000d		Fort Scott, KS	1000d		Saltville, WA	5000
KCIN V	ictorville, CA	500d		Guayama, PR	1000		Eminence, KY	500d		Milton, WV	5000
	Waterbury, CT	5000		Morouls, PR			fartford, KY	1000d		Wheeling WV	5000
WRYR S	St. Perterside Beach,		WARV	Warwick-E. Greenv	rich	WSLK	Hyden, KY		WCWC	Ripon, WI	500

		1			1						
Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	kHz
КААА	Kingman, AZ	1230	KAMA	El Paso, TX	1060	KATR	Eugene, OR	1320	KBER	Abilene, TX	1560
	Batesville, AR	1130	KAMD	Camden, AR	910		Oklahoma City, OK	1140		Reno, NV	1340
	Dallas, TX	1310		Cozad, NE	1580		San Luis Obispo, CA	1340		Blue Earth, MN	1560
KAAP	Santa Paula, CA	1400	KAML	Kenedy-Karnes Cli			St. Louis, MO	1600		Bonners Ferry, ID	1450
KAAR	Mount Lake Terrace,	WA 1510		Rogers, AR	1390		Austin, MN	1480		Belle Fourche, SD	1450
	Little Rock, AR	1090		El Centro, CA	1430		Burney, CA	1450		Bellingham, WA	930
	Los Angeles, CA	790		Carlsbad, NM	1240		Carlsbad, NM	1240		Merkel, TX	1500
	Abliene, KS	1560		Albuquerque, NM	1520		Rocky Ford, CO	1320		Caldwell, ID	1060
	Oakland, CA	960		Anaconda, MT	580		Lancaster, CA	610		Sturgis, SD	810
	Long Island, AK	1150		Anchorage, AK	1080		Apple Valley, CA	960		Nashville, AR	1260
	Albuquerque, NM	1350		Corsicana, TX	1340		Yuma, AZ York, NE	1320 1370		Branson, MO Hot Springs, AR	1220 590
	Preston, ID	1340		New Iberla, LA	1240			1530			1560
	The Dalles, OR	1300		Wharton, TX	1500		Hemphill, TX / Heber Springs, AR	1370		Monette, AR Fresno, CA	900
	Greenwood, AR	1510		Ogden, UT	1090 1510		Beaumont, TX	1450		Roswell, NM	910
	Beliville, TX	1090		Lamed, KS	1400		Lakewood, WA	1480		Muskogee, OK	1490
	Andrews, TX	360 1520		Lake Charles, LA Carrolton, MO	1430		Provo, UT	960		Ottumwa, IA	1240
	Port Huoneme, CA Ada, OK	1230		Raymond, WA	1340		Storm Lake, IA	990		Lemmon, SD	1400
	Boulder, CO	1190		Marksville, LA	1370		Seattle, WA	1150		Fordyce, AR	1570
	Clayton, MO	1320		San Antonio, TX	1480		Van Buren, AR	1060		Fort Madison, IA	1360
	Pine Bluff, AR	1270		Pueblo, CO	690		Hays, KS	1400		Baker, OR	1490
	Texarkana, TX-AR	940		Douglas, AZ	930		Rupert, ID	970		Aberdeen, WA	1450
	Eik City, OK	1240		Mt. Vernon, WA	1470		Gliroy, CA	1290		Lakeport, CA	1270
	Sante Fe, NM	810		Port Angeles, WA	1290		Sedona, AZ	1470		Seattle, WA	1050
	Flagstaff, AZ	930		Bald Knob, AR	710		Indianola, IA	1490		Red Bluff, CA	1490
	Bakersfield, CA	550		Atchison, KS	1470	KBAD	Carlsbad, NM	740	KBLI	Blackfoot, ID	690
	Bryan, TX	1510		Blaine, WA	550		Morro Bay, CA	1150	KBLL	Helena, MT	1240
	Winona, MN	930	KARM	Fresno, CA	1430	KBAL	San Saba, TX	1410	KBLQ	Logan, UT	1390
	Crossett, AR	800	KARN	Little Rock, AR	920	KBAM	Longview, WA	1270		Santa Barbara, CA	990
KAGI	Grants Pass, OR	1380	KARO	Vancouver, WA	1480	WBAN	Bowle, TX	1410		Yuma, AZ	560
KAGO	Klamath Falls, OR	1150	KARR	Great Falls, MO	1400		Burley, ID	1230		Gold Beach, OR	1220
KAGT	Anacortes, WA	1340	KARS	Belen, NM	860		Benton, AR	690		Bozeman, MT	1230
KAGY	Port Sulphur, LA	1510		Jerome, ID	1400		Borger, TX	1600		Benson, MN	1290
KAHI	Auburn, CA	950		Russellville, AR	610		Homer, AK	1250		Bismarck, ND	1130
	North Platte, NE	1410		Prosser, WA	1310		Yakima, WA	1390		Wahpeton, ND	4450
	Honolulu, HI	870		Phoenix, AZ	960		Ventura-Oxnard, CA	1590		kenridge, MN	1450
	Nampa, ID	1340		Phoenix, AZ	1540		North Bend, OR	1340		Billings, MT	1240
	Tucson, AZ	1490		Eugene, OR	1600		Buffalo, WY	1450		Bend, OR	11 10 12 20
	Crowley, LA	1560		Ames, IA	1430		Big Bear Lake, CA	1050		Denver, CO	830
	Grants Pass, OR	1270		Newcastle, WY	1240		Centerville, UT	1600		Kennett, MO Oskaloosa, IA	740
	Dermott, AR	11 10		Albany, MN	1150		Cuba, MO	1410		Bolse, ID	670
	Tulsa, OK	970		Minden, LA	1370 1220		Lincoln City, OR	1380 1220		Malvern, AR	1310
	Wichita, KS	1240		Astoria, OR	1220		Shreveport, LA	1020		Boulder, CO	1490
	Alexandria, LA	580		Auburn, WA	1340		Roswell, NM			Pleasanton, TX	1380
	Wichita, KS	1240 960		Arcata, CA Aganta, GU	570		Steamboat Springs, CO Eugene, OR	1280		Brownsville, TX	1600
	Richland, WA	1430		Albert Lea, MN	1450		Mission, KS	1480		Butte, MT	550
	San Gabriel, CA Sait Lake City, UT	910		Casper, WY	1400		Waxahachie, TX	1390		Dallas, TX	1480
	Thayer, MO	1290		Miles City, MT	1340		Modesto, CA	970		Medford, OR	730
	Beaumont, TX	990		Safford, AZ	1230		Idabel, OK	1240		Bozeman, MT	1090
	Atlanta, TX	900		Plentywood, MT	1070		Carrizo Springs, TX	1450		Portland, OR	1450

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. Wavelength is given in meters. Listing indicates stations on the air as of September 29, 1980.

all Location	kHz	Call Location	kHz	Call Location	kHz	Call Location	A
BRB Ainsworth, NE BRC Mt. Vernon, WA	1400 1420	KCRE Crescent City, CA KCRG Cedar Rapids, IA	1240 1600	KELC England, AR KELD El Dorado, AR	1530 1400	KFWB Los Angeles, CA KFWJ Lake Havasu City, AZ	
BRE Cedar City, UT	940	KCRI West Helena, AR	1600	KELG Eigin, TX	1440	KFXD Nampa, ID	
BRF Fergus Falls, MN BRI Brinkley, AR	1250 1570	KCRL Reno, NV KCRO Omaha, NE	780 660	KELI Tulsa, OK KELK Elko, NV	1430 1240	KFXM San Bernardino, CA KFYN Bonham, TX	1
BRJ Bolse, ID	950	KCRS Midland, TX	550	KELO Sioux Falls, SC	1320	FYO Lubbock, TX	
BRK Brooklings, SD BRL McCook, NE	1430 1300	KCRT Trinidad, CO KCRV Caruthersville, MO	1240 1370	KELP El Paso, TX KELY Ely, NV	920 1230	KFYR Bismarck, ND KGA Spokane, WA	1
BRN Brighton, CO	800	KCRX Rosewell, NM	1430	KEMM Marshfield, MO	1510	KGAA Kirkland, WA	1
BRO Bremerton, WA	1490 1230	KCSJ Pueblo, CO KCSR Chadron, NE	590 610	KENA Mena, AR KEND Lubbock, TX	1450 1590	KGAF Gainesville, TX KGAK Gallup, NM	1:
BRS Springdale, AR	1340	KCTA Corpus Christi, TX	1030	KENE Toppenish, WA	1490	KGAL Lebanon, OR	
RT Avaion, CA RV Soad Springs, ID	740 790	KCTE Southwest City, MO KCTI Gonzales, TX	1140 1450	KENI Anchorage, AK KENM Portales, NM	550	KGAM Bakersfield, CA	1
RW Barrow, AK	680	KCTO Columbia, LA	1540	KENN Farmington, NM	1450 1390	KGAR Vancouver, WA KGAS Carthage, TX	1
RX O'Nelli, NE RZ Freeport, TX	1350 1460	KCTT Yellville, AR KCTX Childress, TX	1530	KENO Las Vegas, NV KENR Houston, TX	1460 1070	KGAY Salem, OR	1:
SF Springhill, LA	1460	KCTY Salinas, CA	1510 980	KENT Prescott, AR	1340	KGB San Diego, CA KGBC Galveston, TX	1
SN Crane, TX ST Big Springs, TX	810	KCUB Tucson, AZ KCUE Red Wing, MN	1290	KEOR Atoka, OK	1110	KGBX Springfield, MO	1
TA Batesville, AR	1490 1340	KCUZ Clifton, AZ	1250 1490	KEOS Flagstaff, AZ KEPS Eagle Pass, TX	690 1270	KGCA Rugby, ND KGCG Henryetta, OK	1
TC Houston, MO	1250	KCVL Colville, WA	1270	KERB Kermit, TX	600	KGCX Sidney, MT	1
TM Jonesboro, AR TN Neosho, MO	1230 1420	KCVR Lodi, CA KCYL Lampasas, TX	1570 1450	KERC Eastland, TX KERE Denver, CO	1590 710	KGDN Edmonds, WA KGEM Bolse, ID	1
JB Sparks, NV	1270	KCYX McMinnville, OR	1260	KERG Eugene, OR	1280	KGEN Tulare, CA	1
UC San Antonio, TX UD Athens, TX	1310 1410	KDAC Fort Bragg, CA KDAK Carrington, ND	1230 1600	KERN Bakersfield, CA KERR Poison, MT	1410	KGER Long Beach, CA KGEZ Kalispell, MT	1
UF Garden City, KS	1050	KDAL Duluth, MN	610	KERV Kerrville, TX	1230	KGFF Shawnee, OK	1
UG Springfield, MO UH Brigham City, U	T 800	KDAN Minneapolis-St. Paul, Minneapolis-St. Paul,	1370	KESE Monterey, CA KESM Eldorado Spring, MO	1240 1580	KGFJ Los Angeles, CA KGFL Clinton, AR	1
JK Baytown, TX	1360	KDAO Marshalltown, IA	1190	KEST San Francisco, CA	1450	KGFW Kearney, NE	1
JN Bemidji, MN JR Burlington, IA	1450 1490	KDAP Douglas, AZ KDAY Santa Monica, CA	1450 1580	KESY Omaha, NE KETH Ketchikan, AK	1420 1290	KGFX Plerre, SD KGGF Cuffeyville, KS	1
JS Mexia, TX	1590	KDAZ Albuquerque, NM	730	KETX Livingston, TX	1440	KGHL Billings, MT	
WA Williams, AZ WD Brownwood, TX	1240 1380	KDB Santa Barbara, CA KDBM Dillon, MT	1490 1490	KEUN Eunice, LA KEVA Evanston, WY	1490 1240	KGHM Brookfleid, MO KGHO Hoquiam, WA	1
(M Kennett, MO	1540	KDBQ Aberdeen, SD	1420	KEVT Tucson, AZ	690	KGHS International Falls, MN	1
E Oklahoma City, (G Big Springs, TX	OK 890 1400	KDBS Alexandria, LA KDCE Espanola, NM	1410 970	KEWQ Paradise, CA KEWS Cuero, TX	930 1600	KGIL San Fernando, CA KGIR Cape Girardeau, MO	1
P Shamrock, TX	1580	KDDA Dumas, AR	1560	KEX Portland, OR	1190	KGIW Alamosa, CO	1
R Anchorage, AK Y Salem, OR	700 1490	KDDD Dumas, TX KDDR Oakes, ND	800 1220	KEXO Grand Junc., CO KEXS Excelsior Springs, MO	1230 1090	KGJM Globe, AZ KGKL San Angelo, TX	1
Z LaJunta, CO	1400	KDEN Denver, CO	1340	KEYE Perryton, TX	1400	KGKO Benton, AR	
AB Dardanelle, AR	980 1410	KDEO Walpahu, HI KDES Palm Springs, CA	940 920	KEYH Houston, TX KEYL Long Prairie, MN	850 1400	KGLA Gretna, LA KGLC Mlami, OK	1
M Glennallen, AK	790	KDET Center, TX	930	KEYN Wichita, KS	1410	KGLE Glendive, MT	
N El Reno, OK P Helena, MT	1460 1340	KDEW DeWwitt, AR KDEX Dexter, MO	1470 1590	KEYR Terrytown, NE KEYS Corpus Christi, TX	690 1440	KGLM Avaion, CA KGLN Glenwood Springs, CO	
R Clarksville, TX	1350	KDFL Sumner, WA	1560	KEYY Provo, UT	1450	KGLO Mason City, IA	1
AS Slaton, TX AT Pine Bluff, AR	1050 1340	KDFN Doniphan, MO KDGO Durango, CO	1500 1240	KEYZ Williston, ND KEZM Sulphur, LA	1360 1310	KGLU Safford, AR KGMI Bellingham, WA	1
C Des Moines, IA	1390	KDHI Twenty-nine Palms, CA		KEZY Anahelm, CA	1190	KGMO Cape Girardeau, MO	1
BN Reno, NV BQ San Diego, CA	1230 1170	KDHL Faribauit, MN KDHN Dimmitt, TX	920 1470	KFAB Omaha, NE KFAC Los Angeles, CA	1110 1330	KGMS Sacramento, CA KGMT Fairbury, NE	1
3S San Francisco, C	A 740	KDIA Oakland, CA	1310	KFAH Lakewood Center, WA	1480	KGNB New Braunfels, TX	1
CB Corning, AR	1260 930	KDIG San Bernandino, CA KDIO Ortonville, MN	1240 1350	KFAL Fulton, MO KFAR Fairbanks, AK	900	KGNC Amarillo, TX	1
CL Paris, AR	1460	KDIX Dickinson, ND	1230	KFAX San Francisco, CA	660 1100	KGNO Dodge City, KS KGNR Sacramento, CA	1
CN Honolulu, HI	1420 1050	KDJI Holbrook, AZ KDJQ Mesa, AZ	1270 1510	KFAY Fayetteville, AR KFBA Floydada, TX	1250 900	KGO San Francisco, CA KGOE Thousand Oaks, CA	
CO Lawton, OK CR Pierre, SC	1240	KDJW Ammarrillo, TX	1010	KFBC Cheyenne, WY	1240	KGOS Torrington, WY	1
CS Salem, OR	1220	KDKA Pittsburgh, PA KDKD Clinton, MO	1020	KFBD Waynesville, MO KFBK Sacramento, CA	1270	KGRB West Covins, CA	
CT Corpus, Christi, CV independence, N		KDKO Littleton, CO	1280 1510	KFBR Nogales, AZ	1530 1340	KGRI Henderson, TX KGRL Bend, OR	1
CW Terrell Hills, TX	930	KDLA DeRidder, LA	1010	KFDF Van Buren, AR	1380	KGRN Grinnell, IA	1
EE Tucson, AZ EY Turlock, CA	790 1390	KDLF Port Neches, TX KDLG Olllingham, AK	1150 670	KFDI Wichita, KS KFHM San Antonio, TX	12070 1150	KGRO Pampa, ITX KGRT Las Cruees, NM	1
FI Cedar Falls, IA	1250.	KDLK Del Rio, TX	1230	KFDR Grand Coulee, WA	1360	KGRZ Missoula, MT	1
GS Marshall, AR HA Charles City, IA	1600 1580	KDLM Detroit Lakes, MN KDLR Devils Lake, ND	1340 1240	KFEL Pueblo, CO KFEQ St. Joseph, MO	970 680	KGST Fresno, CA KGTN Georgetown, TX	1
IE Cherokee, IA	1440	KDLS Perry, IA	1310	KFFA Helena, AR	1360	KGU Honolulu, HI	
II Chillicothe, MO	1010 1010	KDMA Montevideo, MN KDMO Carthage, MO	1460 1490	KFGO Fargo, ND KFGO Boone, IA	790 1260	KGUC Gunnison, CO KGUD Banning, CA	1
IK New Prague, MN	1350	KDMS El Dorado, AR	1290	KFH Wichita, KS	1330	KGUL Port Lavac, TX	- 1
IR Charleston, MO IS Truth or Consecu	uenses.	KDNT Denton, TX KDOK Tylers, TX	1440 1490	KFI Los Angeles, CA KFIA Carmichael, CA	640 710	KGUX Palm Desert, CA KGVL Greenville, TX	1
	NM 1400	KDOL Mohave, CA	1340	KFIL Preston, MN	1060	KGVO Missoula, MT	- 1
IV Coachella, Ca A Humble City, NM	970 1110	KDOM Windom, MN KDON Salinas, CA	1580 1460	KFIR Sweet Home, OR KFIV Modesto, CA	1370 1360	KGVW Belgrade, MT KGW Portland, OR	
D Caldwell, ID	1490	KDOV Ashland, OR	1350	KFIX Liberty, MO	1140	KGWA Enid, OK	
Washington, IA J Shreveport, LA	1380 980	KDQN DeQueen, AR KDQQ Albuquerque, NM	1390 1150	KFIZ Fond du Lac, WI KFJB Marshaltown, IA	1450 1230	KGY Olympia, WA KGYN Guymon, OK	1
M Carroll, IA	1380	KDRG Deer Lodge, MT	1400	KFJM Grand Forks, ND	1370	KHAC Window Rock, AZ	1
N Victorville, Ca B Minot, ND	1590 910	KDRO Sedalla, MO KDRS Paragould, AR	1490 1490	KFJZ Ft. Worth, TX KFKA Greeley, CO	1270 1310	KHAD DeSoto, MO KHAK Cedar Rapids, IA	1
J lows City, IA	1560	KDRY Alamo Hts., TX	1110	KFKU Lawrence, KS	1250	KHAL Homer, LA	1
C San Bernadino, N Kansas City, KS	Ca 1350 1340	KDSJ Deadwood, SD KDSN Denison, IA	980 1530	KFLA Scott City, KS KFLD Floydada, TX	1310 900	KHAM Horseshoe Bend, AZ KHAR Anchorage, AK	1
O Spokane, WA	1380	KDSX Denison-Sherman, TX	980	KFLR Phoenix, AZ	1230	KHAS Hastings, NE	1
(W Jena, LA (Y Coolidge, AZ	1480 1150	KDTA Delta, CO KDTH Dubuque, IA	1400 1370	KFLI Mountain Home, ID KFLJ Walsenburg, CO	1240 960	KHBJ Canyon, TX KHBM Monticello, AR	1
A Pine Bluff, Ar	1400	KDUN Reedsport, OR	1470	KFLN Baker, MT	1380	KHBR Hillsboro, TX	1
D St. Cloud, NM E Cleburne, TX	1450 1120	KDUZ Hutchinson, MN KDWA Hastings, MN	1260 1460	KFLO Shreveport, LA KFLR Phoenix, AZ	1300 1230	KHDN Hardin, MT KHEI Kihel, HI	1
K Clarkston, WA	1430	KDWB Minneapolis-St. Paul,		KFLS Klamath Falls, OR	1450	KHEM Big Springs, TX	1
M Redding, CA O Leavenworth, KS	1330 1410	KDWN Las Vegas, NV	N 630 720	KFLY Tucson, AZ KFLY Corvallis, OR	1450 1240	KHEN Henryetta, OK KHEP Phoenix, AZ	1
R Ralls, TX	1530	KDWT Stamford, TX	1400	KFMB San Diego, CA	760	KHEY El Paso, TX	- 1
S Flagstaff, AZ T Lockhart, TX	600 1060	KDXE N. Little Rock, AR KDXI Mansfield, LA	1380 1360	KFMJ Tulsa, OK KFML Denver, CO	1050 1390	KHIL Willcox, AZ KHIS Bakersfield, CA	1
U Rolla, MO	1590	KDXU St. George, UT	1450	KFMO Flat River, MO	1240	KHIT Walla Walla, WA	1
V Clovis, NM W Hamilton, TX	1240 900	KDYL Tooele, UT KDZA Pueblo, CO	990 1230	KFNV Ferriday, LA KFNW Fargo, ND	1600 1170	KHJ Los Angeles, CA KHLB Burnett, TX	1
X Colfax, WA	1450	KEAM Port Arthur, TX	1510	KYFR Shenandoah, IA	920	KHLO HIIO, HI	- 1
AC Texarkana, TX AJ Paim Springs, C.	740	KEAN Abilene, TX KEAP Fresno, CA	1280 980	KFOR Lincoln, NE KFPW Fort Smith, AR	1240 1230	KHMO Hannibal, MO KHND Harvey, ND	1
AO Kansas City, MC	810	KEBE Jacksonville, TX	1400	KFQD Anchorage, AK	750	KHOB Hobbs, NM	1
AP Brush, CO AX Ashland, OR	1010	KECH Ketchikan, AK KECK Lincoln, NE	620 1530	KFRA Franklin, LA KFRB Fairbanks, AL	1390	KHOG Fayetteville, AR KHOL Beulah, ND	1
II Broken Bow, NE	580 1280	KEDA San Antonio, TX	1540	KFRC San Francisco, CA	820 610	KHOT Madera, CA	1
NO Alturas, CA	570	KEDD Dodge City, KS	1550	KFRD Rosenberg-Richmond,		KHOW Denver, CO	
NW Fairway, KS NY San Marcos, TX	1380 1470	KEDO Longview, WA KEED Eugene, OR	1400 1450	KFRE Fresno, CA	X 980 940	KHOZ Harrison, AR KHQ Spokane, WA	
OB Newton, IA	1280	KEEE Nacogdoches, TX	1230	KFRM Salina, KS	5 50	KHRT Minot, ND	- 1
OG Centerville, IA OH Houston; TX	1400 1430	KEEL Shreveport, LA KEEN San Jose, CA	710 1370	KFRN Long Beach, CA KFRO Longview, TX	1280 1370	KHSJ Hemet, CA KHSL Chico, CA	1
OK Tulare, CA	1270	KEEP Twin Falls, ID	1450	KFRU Columbia, MO	1400	KHSN Coos Bay, OR	1
OL Ft. Collins, CO OM Commanche, T)	1410 X 1550	KEES Gladewater, TX KEEY Minneapolis-St. Paul,	1430	KFSA Fort Smith, AR KFSB Joplin, MO	950 1310	KHUB Fremont, NE KHUG Medford, OR	1
ON Conway, AR	1230	MN		KFST Ft. Stockton, TX	860	KHVH Honolulu, HI	
OR San Antonio, TX OW Alliance, NE	1350 1400	KEGG Daingerfield, TX KEHG Fosston, MN	1560 1480	KFTM Ft. Morgan, CO KFTN Provo, UT	1400 1400	KHYM Gilmer, TX KHYT Tucson, AZ	1
S Burlington, IA	1150	KEIN Great Fails, MT	1310	KFTW Frederickstown, MO	1450	KIAK Fairbanks, AK	
X Salt Lake City, U	T 1320	KEKA Eureka, CA	790	KFUN Las Vegas, NM	1230	KIBE Palo Alto, CA	1

U.S. AM SI	ATIO	NS BY CALL		IERS			
Call Location	kHz	Call Location	kHz	Call Location	kHz	Call Location	kHz
KIBS Bishop, CA	1230	KKCS Colorado Springs, CO	1530	KMAK Fresno, CA	1340	KOAC Corvallis, OR	550
KICA Clovis, NM	980	KKDA Grand Prairie, TX	730	KMAM Butler,MO	1530	KOAK Red Oak, IA	1080
KICD Spencer, IA	1240	KKDI Sheridan, AR	1540	KMAN Manhattan, KS	1350	KOAL Price, UT	1230
KICK Springfield, MO	1340	KKEE Rochester, MN	1520	KMAQ Maquoketa, IA	1320	KOAM Pittsburg, KS	860
KICO Calexico, ICA	1490	KKEY Portland, OR	1150	KMAR Winnsboro, LA	1570	KOB Albuquerque, NM	770
KICS Hastings, NE	1550	KKHI San Francisco, CA	1550	KMAS Shelton, WA KMAV Mayville, ND,	1280	KOBE Las Cruces, NM	1450
KICX McCook, NE	1360	KKIK Waco-Marlin, TX	1010		1520	KOBH Hot Springs, SD	580
KICY Nome, AK	850	KKIM Albuquerque, NM	1000	KMAY Riverside, CA KMBI Spokane, WA	1570 1330	KOBO Yuba City, CA KOBY Reno, NV	1450 1550
KID Idaho Falls, ID KIDD Monterey, CA	590 630	KKIN Altkin, MN KKIO Santa Barbara, CA	1290	KMBL Junction, TX	1450	KOCA Kilgore, TX KOCY Oklahoma City, OK	1240 1340
KIDN Pueblo, CO KIDO Boise, ID	1350 630	KKIS Pittsburg, CA KKIT Taos, NM	990 1340	KMBZ Kansas City, MO KMCD Fairfield, IA	980 1570	KODE Joplin, MO	1230
KIEL Jacksonville, AR	1500	KKJO St. Joseph, MO	1550	KMCE Merced, CA	1580	KODI Cody, WY	1440
KIEV Glendale, CA	870	KKJY Albuquerque, NM	1190	KMCL McCall, ID	1240	KODL The Dalles, OR	
KIFG Iowa Falls, IA	1510	KKKQ Tempe, AR KKLS Rapid City, SD	1060	KMCW Augusta, AR	1190	KODY North Platte, NE	1240
KIFN Phoenix, AZ	860		920	KMDO Ft. Scott, KS	1600	KOEL Oelwein, IA	950
KIFW Sitka, AK	1230	KKOA Minto, ND	1390	KMED Medford, OR	1440	KOFE St. Maries, ID	1490
KIGO St. Anthony, ID	1400	KKOJ Jackson, MN	1190	KMEN San Bernardino, CA	1290	KOFI Kallspell, MT	1180
KIHN Hugo, OK	1340	KKON Kealakekua, HI	790	KMEO Phoenix, AZ	740	KOFO Ottawa, KS	1220
KIIQ Manitou Springs, CO	1490	KKOY Chanute, KS	1460	KMER Kemmerer, WY	950	KOFY San Mateo, CA	1050
KIIX Ft. Collins, CO	1050	KKRC Sloux Falls, SD	1230	KMFB Mendocino, CA	1300	KOGA Ogallala, NE	930
KIIZ Killeen, TX		KKSI Mt. Pleasant, IA	1130	KMFO Aptos-Capitola, CA	1540	KOGO San Diego, CA	600
KIJV Huron, SD	1340	KKSN Vancouver, WA	910	KMGX Tucson, AZ KMHL Marshall, MN	940	KOGT Orange, TX	1600
KIKC Forsyth, MT	1250	KKUA Honolulu, HI	690		1400	KOH Reno, NV	630
KIKI Honolulu, HI	830	KKUB Brownfield, TX KKXL Grand Forks, ND	1300	KMHT Marshall, TX	1450	KOHI St. Helens, OR	1600
KIKK Pasadena, TX	650		1440	KMIA Salinas, CA	1570	KOHO Honolulu, HI	1170
KIKM Sherman, TX	910	KKYN Plainview, TX	1090	KMIL Cameron, TX	1330	KOHU Hermiston, OR	1360
KIKN Sinton, TX	1590	KKYR Marshall, TX	1410	KMIN Grants, NM	980	KOIL Omaha, NE	1290
KIKO Miami, AZ	1340	KKYX San Antonio	680	KMIO El Cajon, CA	910	KOJM Havre, MT	610
KIKR Conroe, TX		KKZZ Lancaster, CA	1380	KMIS Portageville, MO	1050	KOJO Laramie, WY	1490
KIKS Iola, KS	1370	KLAC Los Angeles, CA	570	KMJ Fresno, CA	580	KOKK Shreveport, LA	1550
KIKZ Seminole, TX	1250	KLAD Klamath Falls, OR	960	KMJC El Cajon, CA	910	KOKC Guthrie, OK	1490
KILE Galveston, TX	1400	KLAK Lakewood, CO	1600	KMKR Meeker, CO	1450	KOKE Austin, TX	1370
KILR Estherville, IA	1070	KLAM Cordova, AK	1450	KMLB Monroe, LA	1440	KOKA Huron, SD	1190
KILT Houston, TX	610	KLAR Laredo, TX	1300	KMLO Vista, CA	1000	KOKI Coalinga, CA	1470
KIMB Kimball, NE	1260	KLAV Las Vegas, NV	1010	KMMJ Grand Island, NE	750	KOKL Okmulgee, OK	1240
KIML Gillette, WY	1270		1230	KMMO Marshall, MO	1300	KOKO Warrensburg, MO	1450
KIMM Rapid City, SD	1150	KLBJ Austin, TX	1480	KMMZ Greybull, WY	1140	KOKX Keokuk, IA	1310
KIMN Denver, CO	950		590	KMND Midland, TX	1510	KOKY Little Rock, AR	1250
KIMP Mt. Pleasant, TX	960	KLBM La Grande, OR	1450	KMNS Sloux City, IA	620	KOLE Port Arthur, TX	1340
KINA Salina, KS	910	KLBS Los Banos, ICA	1330	KMO Tacoma, WA	1360	KOLI Coalinga, CA	1470
KIND Independence, KS KINE Kingsville, TX	1010 1330	KLCB Libby, MT KLCL Lake Charles, LA	1230 1470	KMON Great Falls, MT KMOO Mineola, TX	560 1510	KOLJ Quanah, TX KOLM Rochester, MN	1150 1520
KING Seattle, WA KINN Alamogordo, NM	1090	KLCN Blytheville, AR KLCO Poteau, OK	910 1280	KMOX St. Louis, MO KMPC Los Angeles, CA	710	KOLO Reno, NV KOLT Scottsbluff, NE	920 1320
KINO Winslow, AZ	1230	KLDR Denver, CO	1090	KMPG Hollister, CA	1520	KOLY Mobridge, SD	1300
KINS Eureka, CA	980	KLEA Lovington, NM	630	KMPL Sikeston, MO	1520	KOMA Oklahoma City, OK	1520
KINY Juneau, AK	800	KLEB Golden Meadow, LA	1600	KMPS Seattle, WA	1300	KOMO Seattle, WA	1000
KIOA Des Moines, IA	940	KLEE Ottumwa, IA	1480	KMRC Morgan City, LA	1430	KOMW Omak, WA	680
KIOE Honolulu, Hi	1080	KLEH Anamosa, IA	1290	KMRN Cameron, MO	1360	KOMY Watsonville, CA	1340
KIOI Hayward, CA	1010	KLEI Kallua, HI	1130	KMRS Morris, MN	1230	KONA Kennewick, WA	610
KIOT Barstow, CA	1310	KLEM LeMars, IA	1410	KMSD Milbank, SK	1510	KONE Reno, NV	1450
KIOX Bay City, TX	1270	KLEO Wichita, KS		KMTI Manti, UT	1590	KONG Visalia, CA	1400
KIPA Hilo, HI	620	KLER Orofino, ID	950	KMTX Helena, MT	950	KONI Spanish Fork, UT	1480
KIZI San Francisco, CA	1010	KLEU Waterloo, IA	850	KMUL Muleshoe, TX	1380	KONO San Antonio, TX	860
KIQS Willows, CA	1560	KLEX Lexington, MO	1570	KMUS Muskogee, OK	1380	KONP Port Angeles, WA	1450
KIRL St. Charles, MO	1460	KLEY Wellington, KS	1130	KMVI Walluku, HI	550	KONY San Marcos, TX	1470
KIRO Seattle, WA	710	KLFB Lubbock, TX	1420	KMWX Yakima, WA	1460	KOOK Billings, MT	970
KIRT Mission, TX	1580	KLFD Litchfield, MN	1410	KMYC Marysville, CA	1410	KOPA Scottsdale, AZ	1440
KIRV Fresno, CA	1510	KLFJ Springfield, MO	1550	KMYZ Pryor, OK	1570	KOPY Alice, TX	1070
KIRX Kirksville, MO	1450	KLGA Algona, IA	1600	KNAB Burlington, CO	1140	KOQT Bellingham, WA	1550
KISA Honolulu, HI	1540	KLGR Redwood Falls, MN	1400	KNAF Fredericksburg, TX	910	KORC Mineral Wells, TX	1140
KISD Medford, OR	860	KLIB Liberal, KS	1470	KNAK Delta, UT	540	KORD Pasco, WA	910
KISO El Paso, TX	1150	KLIC Monroe, LA	1230	KNAL Victoria, TX	1410	KORE Springfield-Eugene, OR	1050
KIST Santa Barbara, CA	1340	KLID Popular Bluff, MO	1340	KNBA Vallejo, CA	1190	KORK Las Vegas, NV	920
KISU Pocatello, ID	1290	KLIF Dallas, TX	1190	KNBO New Boston, TX	1530	KORL Honolulu, HI	650
KIT Yakima, WA	1280	KLIK Jefferson City, MÓ	950	KNBR San Francisco, CA	680	KORN Mitchell, SD	1490
KITA Little Rock, AR KITI Chahalis-Centralia, W.	1440	KLIN Lincoln, NE KLIP Fowler, CA	1400 1220	KNBY Newport, AR KNCB Vivian, LA	1280 1320	KORT Grangeville, ID KORV Oroville, CA	1230 1340
KITN Olympia, WA	920	KLIQ Portland, OR	1290	KNCK Concordia, KS	1390	KOSE Osceola, AR	860
KIUL Garden City, KS	1240	KLIT Pomona, CA	1220	KNCO Grass Valley, CA	1250	KOSI Aurora, CO	1430
KIUN Pecos, TX	1400	KLIV San Jose, CA	1590	KNCW Grand Coulee, WA	1490	KOSY Texarkana, AR	790
KIUP Durango, CO	930	KLIX Twin Falls, ID	1310	KNCY Nebraska City, NE	1600	KOTA Rapid City, SD	1380
KIVM Linue, Hi	1350	KLIZ Brainerd, MN	1380	KNDC Hettinger, ND	1490	KOTD Plattsmouth, NE	1000
KIVY Crockett, TX	1290	KLKC Parsons, KS	1540	KNDI Honolulu, HI	1570	KOTN Pine Bluff, AR	1490
KIWA Sheldon, IA	1550	KLLA Leesville, LA	1570	KNDK Langdon, ND	1270	KOTS Deming, NM	1230
KIXI Seattle, WA	910	KLLL Lubbock, TX	1460	KNDN Farmington, NM	960	KOTY Kennewick, WA	1340
KIXL Austin, TX	970	KLLR Walker, MN	1600	KNDY Marysville, KS	1080	KOTZ Kotzebue, AK	720
KIXX Provo. UT	1400	KLMO Longmont, CO	1060	KNEA Jonesboro, AR	970	KOUR Independence, IA	1220
KIXZ Amarillo, TX	940	KLMR Lamar, CO	920	KNEB Scottsbiuff, NE	1450	KOVC Valley City, ND	1490
KJAM Madison, SD	1390	KLMS Lincoln, NE	1480	KNED McAlester, OK	970	KOVE Lander, WY	1330
KJAN Atlantic, IA	1220	KLMX Clayton, NM	1450	KNEI Waukon, IA	1150	KOVO Provo, UT	960
KJAS Jackson, MO	1170	KLNG Council Bluffs, IA	1560	KNEK Washington, LA	1190	KOWB Laramle, WY	1290
KJAX Santa Rosa, CA	1150	KLNT Clinton, IA	1390	KNEL Brady, TX	1140	KOWL South Lake Tahoe, CA	1490
KJAY Sacramento, CA	1430	KLO Ogden, UT	1430	KNEM Nevada, MO	1490	KOWN Escondido, CA	1450
KJBC Midtand, TX KJCF Festus, MO	1150	KLOA Ridgecrest, CA KLOC Ceres, CA	1240	KNET Palestine, TX KNEU Roosevelt, UT	1240 1250	KOWO Waseca, MN KOXR Oxnard, CA	1170 910
KJCH Cleveland, TX KJCK Junction City, KS	1410	KLOE Goodland, KS	730	KNEW Oakland, CA	910	KOY Phoenix, AZ	550
	1420	KLOG Kelso, WA	1490	KNEX McPherson, KS	1540	KOYL Odessa, TX	1310
KJDY John Day, OR	1400	KLOH Pipestone, MN	1050	KNEZ Lompac, CA	960 950	KOYN Billings, MT KOYY El Dorado, KS	910 1430
KJEF Jennings, LA KJEL Lebanon, MO	1290 1080	KLOK San Jose, CA KLOM Lompoc, CA	1170 1330 1340	KNFT Bayard, NM KNGS Hanford, CA KNIA Knoxville, IA	620 1320	KOZA Odessa, TX KOZE Lewiston, ID	1230 1300
KJEM Bentonville, AR KJET Beaumont, TX	1190 1380	KLOO Corvalis, OR KLOU Lake Charles, LA KLOV Loveland, CO	1580	KNIC Winfleld, KS KNIM Maryville, MO	1550 1580	KOZI Chelan, WA KOZY Grand Rapids, MN	1230 1320
KJIM Ft. Worth, TX KJIN Houma, LA	870 1490	KLPL Lake Providence, LA	1570 1050	KNIN Wichita Falls, TX	990	KPAC Port Arthur, TX	1250 1400
KJJJ Phoenix, AZ KJJR Whitefish, MT	910 1400	KLPW Union, MO KLRA Little Rock, AR	1010	KNIR New Iberia, LA KNIX Tempe, AZ	1360 1580	KPAG Pagosa Springs, CO KPAL Pineville, LA	1110
KJJT Odessa, TX	1000	KLRS Mountain Grove, MO	1360	KNLV Ord, NE	1060	- KPAM Portland, OR	1410
KJLA Kansas City, MO	1190	KLSR Memphis, TX	1130	KNMX Las Vegas, NM	540	KPAN Hereford, TX	860
KJLT North Platte, NE KJNO Juneau, AK	970 630	KLTC Dickinson, ND KLTF Little Fails, MN	1460 960	KNND Cottage Grove, OR KNOC Natchitoches, LA	1400 1450	KPAR Granbury, TX KPAT Sierra Vista, AZ	1420 1420 1060
KJNP North Pole, AK KJOE Shreveport, LA	1170	KLTR Macon, MO KLTR Blackwell, OK	1580 1580	KNOE Monroe, LA KNOt Pullman, WA	540 1150	KPAY Chico, CA KPBC Dallas, TX	1040
KJOP Lemoore, CA KJOY Stockton, CA	1240 1280	KLTZ Gtasgow, MT KLUB Salt Lake City, UT	1240 570	KNOK Ft. Worth, TX KNOM Nome, AK	970 780	KPCA Marked Tree, AR KPCO Quincy, CA	1580 1370
KJPW Waynesville, MO	1390	KLUE Longview, TX	1280	KNOP North Platte, NE	1410	KPCR Bowling Green, MO	1530
KJQN Ogden, UT	1490	KLUF Lufkin, TX	1420	KNOR Norman, OK	1400	KPDN Pampa, TX	1330
KJR Seattle, WA	950	KLUV Haynesvitle, LA	1580	KNOT Prescott, AZ	1450	KPDQ Portland, OR KPEL Lafayette, LA	800
KJRB Spokane, WA	790	KLVI Beaumont, TX	560	KNOW Austin, TX	1490		1420
KJRG Newton, KS KJSK Columbus, NE	950 900	KLVU Lompoc, CA	1480 1400	KNOX Grand Forks, ND KNPT Newport, OR	1310 1310	KPEP San Angelo, TX KPET Lamesa, TX	1420 690
KJST Joshua Tree, CA	1420	KLVT Levelland, TX	1230	KNSE Ontario, CA	1510	KPGE Page, AZ KPHX Phoenix, AZ	1340
KJWH Camden, AR	1450	KLWJ Umatilia, OR	1090	KNTA Santa Clara, CA	1430		1480
KKAL Arroyo Grande, CA	1560	KLWN Lawrence, KS	1320	KNTB Bakersfield, CA	1350	KPIA Ironton, MO	1480
	1280	KLWT Lebanon, MO	1230	KNUI Kahului, Hi	900	KPIK Colorado Springs, CO	1580
KKAN Phitlipsburg, KS	1490	KLWW Cedar Rapids, IA	1450	KNUJ New Ulm, MN	860	KPIN Casa Grande, AZ KPIP Roseville, CA	1260
KKAQ Thief River Falls, Mi	N 1460	KLYC Laurel, MT	1490	KNUU Las Vegas, NV	970		1110
KKAS Silabee, TX	1300	KLYQ Hamilton, MT	1240	KNUZ Houston, TX	1230	KPLT Paris, TX KPMC Bakerstield, CA	1490
KKAT Roswell, NM	1430	KLYR Clarksville, AR	1360	KNVU Las Vegas, NV	970		1560
KKAY White Castle, LA KKBJ Bemidji, MN	1590 1360	KLYX Sioux Falls, SD KLZ Denver, CO	1520 560	KNWC Sloux Felis, SD KNWS Waterloo, IA	1270 1090	KPMO Mendocino, CA KPNW Eugene, OR KPHX Phoenix, AZ	1300 1120 1480
KKBK Aztec, NM KKCC Clinton, OK	1340 1320	KMA Shenandoah, IA KMAC San Antonio, TX	960 630 1550	KNX Los Angeles, CA KNYO Independence, CA KOA Denver, CO	1070 600 850	KPOC Pocahontas, AR KPOD Crescent City, CA	1420 1310
KKCM Waite Park, MN	1390	KMAD Madill, OK	1000	. NOA Deliter, CO	0.00	Ri OD Siescent Only, OA	

		U	.S.	AM STATIONS	BY	CALL LETTER	3
Call Location	kHz	Call Location	kHz	Call Location	kHz	Call Location	kHz
KPOF Denver, CO	910	KROB Robstown, TX	1510	KSUD West Memphis, AR	730	KULF Houston, TX	790
KPOL Honolulu, HI KPOK Bowman, ND	1040 1340	KROC Rochester, MN KROD El Paso, TX	1340 600	KSUE Susanville, CA KSUM Fairmont, MN	1240 1370	KULY Ulysses, KS	1390 1420
KPOS Post, TX	1370	KROE Sheridan, WY	930	KSUN Bisbee, AZ	1230	KUMU Honolulu, HI	1290
KPOW Powell, WY	1260	KROF Abbeville, LA	960	KSVA Sierra Vista, AZ	1470		1500
KPPC Pasadena, CA	1240	KROP Brawley, CA	1300	KSVC Richfield, UT	980	KUNO Corpus Christi, TX	1400
KPQ Wenatchee, WA	560	KROQ Burbank, CA	1500	KSVN Ogden, UT	730		1290
KPRB Redmond, OR	1240	KROR Myrtle Creek, OR KROS Clinton, IA	1360 1340	KSVP Artesia, NM KSWA Graham, TX	990 1330	KUOM Minneapolis, MN KUPI Idaho Falls, ID	770 980
KPRC Houston, TX KPRE Paris, TX	950 1250	KROW Dallas, OR	1260	KSWA Granam, TX KSWB Seaside, OR KSWM Aurora, MO	930	KUPL Portland, OR	1330 1450
KPRK Livingston, MT KPRL Paso Robies, CA	1340 1230	KROX Crookston, MN KROY Sacramento, CA	1460 1240	KSWO Lawton, OK	1380	KURL Billings, MT	730
KPRM Park Rapids, MN KPRO Riverside, CA	1270 1440	KRPL Moscow, ID KRPM Puyallup, WA	1400	KSWW Wickenburg, AZ KSXO Redding, CA	1250 600	KURV Edinburg, TX	1390 710 910
KPRQ Murray, UT	1230	KRPT Anadarko, OK	850	KSXX Sandy, UT	630	KURY Brookings, OR	690
KPRS Kansas City, MO	1590	KRRR Ruldoso, NM	1360	KSYC Yreka, CA	1490	KUSD Vermillion, SD	
KPRZ Los Angeles,CA KPSA Alamogordo, NM	1150 1230	KRPX Price, UT KRSC Othello, WA	1080	KSYL Alexandria, LA KSYX Santa Rosa, NM	970 1420	KUSN St. Joseph, MO	1600 1270
KPSI Palm Springs, CA	1450	KRSI St. Louis Park, MN	950	KTAC Tacoma, WA KTAE Taylor, TX	850	KUTA Blanding, UT	790
KPSO Falfurrias, TX	1260	KRSL Russell, KS	990		1260	KUTI Yakima, WA	980
KPTL Carson City, NE KPUA Hilo, HI	1300 670	KRSN Los Alamos, NM KRSP S. Salt Lake City, UT	1490 1060	KTAM Bryan, TX KTAN Sierra Vista, AZ	1240	KUVR Holdrege, ME	1530 1380
KPUB Pueblo, CO KPUG Bellingham, WA	1480 1170	KRSY Roswell, NM KRTN Raton, NM	1230 1490	KTAR Phoenix, AZ KTAT Frederick, OK	620 1570	KUXX Palmdale, CÁ	1570 1470
KPUL Pullman, WA KPWB Piedmont, MO	1150 1140	KRTR Thermopolis, WY KRUN Ballinger, TX	1490 1400	KTBA Tuba City, AZ KTBB Tyler, TX	1050 600	KUZN W. Monroe, LA KUZZ Bakersfleid, CA	1310 970
KPXE Liberty, TX	1050	KRUS Ruston, LA	1490	KTCB Malden, MO	1470	KVAA Volga, SD	910
KQAC Glenwood, AR	1470	KRUX Glendale, AZ	1360	KTCH Wayne, NE	1590	KVAC Forks, WA	1490
KQAD Luverne, MN	800	KRVN Lexington, NH	880	KTCR Minneapolis, MN	690	KVAS Astoria, OR	1230
KQAM Wichita, KS	1410	KRWB Roseau, MN	1410	KTCS Fort Smith, AR	1410	KVBR Brainerd, MN	1340
KQAQ Austin, MN	970	KRWC Buffalo, MN KRWT Winters, TX	1360 1060	KTDL Farmersville, LA KTDO Toledo, OR	1470 1230	KVCK Wolf Point, MT KVCL Winnfield, LA	1450 1270
KQCV Oklahoma City, C KQDI Great Falls, MT	1450	KRXA Seward, AK	950	KTEE Idaho Falls, ID	1260 1110	KVDB Sioux Center, IA KVEC San Luis Obispo, CA	1090 920
KQDJ Jamestown, ND KQDS Duluth, MN	1400 1390	KRXK Rexburg, ID KRYS Corpus Christi, TX	1230 1360	KTEK Alvin, TX KTEL Walla Walla, WA	1490 1400	KVEE Conway, AR KVEG Henderson, NV	1330 1400
KQEN Roseburg, OR KQEO Albuquerque, NN	1240 4 920	KRZE Farmington, NM KRZI Waco, TX	1280 1580	KTEM Temple, TX KTEO San Angelo, TX	1340	KVEL Vernal, UT KVEN Ventura, CA	920 1450
KQIK Lakeview, OR KQIL Grand Junction, C	1230 1340	KRZJ Beloit, KS KRZY Albuquerque, NM	1190	KTER Terrell, TX KTET Payette, ID	1570 1450	KVET Austin, TX KVFC Cortez, CO	1300
KQIN Burlen, WA KQIQ Lemoore, CA	1320	KSAC Manhattan, KS KSAL Salina, KS	580 1150	KTFS Texarkana, TX KTGO Tioga, ND	1400	KVFD Ft. Dodge, IA	1400 1590
KQIZ Amarillo, TX	1360	KSAM Huntsville, TX	1490	KTGR Columbia, MO	1580	KVGB Great Bend, KS	930
KQKD Redfield, SD	1380	KSAX Lubbock, TX	1340	KTHE Thermopolis, WY	1240	KVGM Yakima, WA	
KQKi Bayou Vista, LA	1170	KSCB Liberal, KS	1270	KTHO South Lake Tahoe, CA	590	KVI Seattle, WA	1100
KQMS Redding, CA	1400	KSCJ Sloux City, IA	1360	KTHS Berryville, AR	1480	KVIB Kihel, HI	
KQNK Norton, KS	1530	KSCO Santa Cruz, CA	1080	KTIA Ft. Worth, TX	1540	KVIC Victoria, TX	1340
KQRS Golden Valley, M	IN 1440	KSCR Renton, WA	1420	KTIB Thibodaux, LA	630	KVIL Highland Park, TX	1150
KQSA San Angelo, TX	1260	KSD St. Louis, MO	550	KTIL Tillamook, OR	1590	KVIN Vinita, OK	1470
KQTI Edna, TX	1130	KSDN Aberdeen, SD	930	KTIM San Rafael, CA	1510	KVIP Redding, CA	540
KQTY Borger, TX	1490	KSDO San Diego, CA	1130	KTIP Porterville, CA	1450	KVKM Monahans, TX	1330
KQV Pittsburgh, PA	1410	KSDR Waterton, SD	1480	KTIS Minneapolis, MN	900	KVLF Alpine, TX	1240
KQWB W. Fargo-Fargo,		KSEE Santa Maria, CA	1480	KTIX Pendleton, OR	1240	KVLG LaGrange, TX	1570
KQWC Webster City, IA		KSEI Pocatello, ID	930	KTJS Hobart, OK	1420	KVLH Pauls Valley, OK	1470
KQXE Mesa, AZ	1310	KSEK Pittsburg, KS	1340	KTKN Ketchikan, AK	930	KVLI Lake Isabelia, CA	1140
KQXI Arvada, CO	1550	KSEL Lubbock, TX	950	KTKR Taft, CA	1310	KVLL Woodville, TX	1220
KQXL New Roads, LA	1500	KSEM Moses Lake, WA	1470	KTKT Tucson, AZ	990	KVLV Fallon, NV	980
KQYX Joplin, MO	1560	KSEN Shelby, MT	1150	KTLC Twin Falls, ID	1270	KVMA Magnolla, AR	630
KRAD E. Grand Forks, KRAE Cheyenne, WY	MN 1590	KSEO Durant, OK	950	KTLD Tullulah, LA	1380	KVMC Colorado City, TX	1320
	1480	KSET El Paso, TX	1340	KTLK Denver, CO	1280	KVML Sonora, CA	1450
KRAI Craig, CO	550	KSEY Seymour, TX	1230	KTLO Mountain Home, AR	1240	KVNC Winslow, AZ	1010
KRAK Sacramento, CA	1140	KSFA Nacogdoches, TX	860	KTLO Tahlequah, OK	1350	KVNI Coeur d'Alene, ID	1080
KRAL Rawlins, WY KRAM Las Vegas, NV	1240	KSFE Neddles, CA	1340	KTLU Rusk, TX	1580	KVNU Logan, UT	610
	1340	KSFO San Francisco, CA	560	KTMC McAlester OK	1400	KVOB Bastrop, LA	1340
KRAN Morton, TX	1280	KSGL Wichita, KS	900	KTMS Santa Barbara, CA	1250	KVOC Casper, WY	1230
KRBA Lufkin, TX	1340	KSGM Chester, IL		KTNC Falls City, NE	1230	KVOE Emporia, KS	1400
KRBB Sallisaw, OK	1560	KSGT Jackson, WY	1340	KTNM Tucumearl, NM	1400	KVOK Kodlak, AK	1330
KRBC Abilene, TX	1470	KSHY Cheyenne, WY	1370	KTNQ Los Angeles, CA	1020	KVOL Lafayette, LA	
KRBF Fergus Falls, MN KRBI St. Peter, MN		KSIB Creston, IA KSID Sidney, NE	520 1340	KTNT Tacoma, WA KTOB Petaluma, CA	1400 1490	KVOM Morrilton, AR KVON Napa, CA	1440
KRBN Red Lodge, MT	1450	KSIG Crowley, LA	1450	KTOC Jonesboro, LA	920	KVOO Tulsa, OK	1170
KRCO Prineville, OR	690	KSIL Silver City, NM	1340	KTOE Mankato, MN	1420	KVOP Plainview, TX	
KRCQ Indio, CA	1400	KSIM Sikeston, MO	1400	KTOK Oktahoma City, OK	1000	KVOR Colorado Springs, CO	1300
KRDD Roswell, NM	1320	KSIR Estes Park, CO	1470	KTOM Salinas, CA	1380	KVOU Uvalde, TX	1400
KRDG Redding, CA KRDO Colorado Spring	1230	KSIS Sedalla, MO KSIW Woodward, OK	1050 1450	KTON Belton, TX KTOP Topeka, KS	940 1490	KVOV Henderson-Las Vegas, NV	1280
KRDR Gresham, OR	1230	KSIX Corpus Christi, TX	1230	KTOQ Rapid City, SD	1340	KVOW Riverton, WY KVOX Moorhead, MN	1450
KRDS Tolleson, AZ	1190	KSJB Jamestown, ND	600	KTOW Sand Spring, OK	1340		1280
KRDU Dinuba, CA KRDZ Wray, CO	1130 1440	KSJN Minneapolis, MN KSKI Hailey, ID	1330	KTPA Prescott, AR KTRB Modesto, CA	1370 860	KVOY Yuma, AZ KVOZ Laredo, TX	1400 1490
KRE Berkeley, CA	1400	KSKS Conroe, TX	1140	KTRC Santa Fe, NM	1400	KVPI Ville Platte, LA	1050
KRED Eureka, CA	1480	KSKX Topeka, KS	1440	KTRF Thief River Falls, MN	1230	KVRA Vermillion, SD	
KREH Oakdale, LA KREI Farmington, MO	900 800	KSKY Dallas, TX KSL Salt Lake City, UT	660 1160	KTRH Houston, TX KTRN Wichita Falls, TX KTRT Truckee, CA	740 1290	KVRC Arkadelphie, AR KVRD Cottonwood, AZ	1600
KREK Sapulpa, OK KREM Spokane, WA	1550 970	KSLM Salem, OR KSLO Opelousas, LA	1390 1230	KTRY Bastrop, LA	730	KVRE Santa Rosa, CA KVRH Salida, CO	1460
KREW Sunnyside, WA KREX Grand Junction,	CO 1100	KSLV Monte Vista, CO KSLY San Luis Obispo, CA	1400	KTSA San Antonio, TX KTSM El Paso, TX	1380	KVRN Sonora, TX KVSA McGehee, AR	980 1220
KRFO Owatonna, MN	1390	KSMA Santa Maria, CA	1240	KTTN Trenton, MO	1490	KVSF Sante Fe, NM	1260
KRFS Superior, NE	1430	KSMM Shakopee, MN	1530	KTTR Rolla, MO		KVSH Valentine, NE	940
KRGI Grand Island, NE KRGO Granger, UT	1550	KSMO Salem, MO KSNO Aspen, CO	1340 1260	KTTS Springfield, MO KTTT Columbus, NE	1400 1510	KVSI Montpeller, ID KVSL Show Low, AZ	1450 1450
KRGV Weslasco, TX KRHD Duncan, OK	1550 1350	KSNY Snyder, TX KSO Des Moines, IA	1450 1460	KTTX Brenham, TX KTUC Tucson, AZ	1400	KVSO Ardmore, OK KVWC Vernon, TX	1240
KRHS Builhead City, A. KRIB Mason City, IA	Z 1000	KSOA Ava, MO	1430	KTUE Tulla, TX	1260	KVWG Pearsall, TX	1280
	1490	KSOH Little Rock, AR	1050	KTUI Sullivan, MO	1560	KVWM Show Low, AZ	970
KRIG Odessa, TX	1410	KSOK Arkansas City, KS	1280	KTWG Agana, Guam	800	KVYL Holdenville, OK	1370
KRIH Rayville, LA	990	KSON San Diego, CA	1240	KTWN Anoka, MN	1470	KWAC Bakersfield, CA	
KRIO McAllen, TX	910	KSOO Sloux Falls, SK	1140	KTWO Casper, WY KTXJ Jasper, TX	1030	KWAD Wadena, MN	920
KRIZ Pheonix, AZ	1230	KSOP S. Salt Lake City, UT	1370		1350	KWAK Stuttgart, AR	1240
KRJH Hallettsville, TX	1520	KSOX Raymondville, TX	1240	KTXO Sherman, TX	1500	KWAL Wallace, ID	620
KRKC King City, CA	1490	KSPD Boise, ID	790	KTXX Whitefish, MT	1450	KWAM Memphis, TN	990
KRKE Albuquerque, NA	M 610	KSPI Stillwater, OK	780	KTYD Santa Barbara, CA	990	KWAT Watertown, SK	950
KRKK Rock Springs, W		KSPL Diboll, TX	1260	KTYL Tyler, TX	1330	KWAY Waverly, IA	1470
KRKM North Pole, AK	600	KSPO Spokane, WA	1230	KTYM Inglewood, CA KTYN Minot, ND	1460	KWBB Wichita, KS	1410
KRKO Everett, WA	1380	KSPR Springdale, AR	1590		1430	KWBC Navasota, TX	1550
KRKS Denver, CO	990	KSPT Sandpoint, ID	1400	KUAD Windsor, CO	1170	KWBE Beatrice, NE	1450
KRKT Albany, OR	990	KSRA Salmon, ID	960	KUAI Eleele, Kanai, HI	720	KWBG Boone, IA	1590
KRLA Pasadena, CA	1440	KSRB Hardy, AR	1570	KUAM Agana, GU	610	KWBW Hutchinson, KS	1450
KRLB Lubbock, TX	580	KSRC Socorro, NM	1290	KUAT Tucson, AZ	1550	KWBZ Englewood, CO	1150
KRLC Lewiston, ID	1350	KSRM Soldotna, AK	920	KUBA Yuba City, CA	1600	KWCK Searcy, AR	1300
Clarkston, WA		KSRO Santa Rosa, CA	1350	KUBC Montrose, CO	580	KWCL Oak Grove, LA	1280
KRLD Dallas, TX	1080	KSRV Ontario, OR	1380	KUDE Oceanside, CA	1320	KWCO Chickasha, OK	1560
KRLN Canon City, CO		KSSK Honolulu, Hi	590	KUDY Spokane, WA	1280	KWEB Rochester, MN	1270
KRLW Walnut Ridge, A	R 1320	KSSS Colorado Springs, CO	740	KUEN Wenatehee, WA	900	KWED Seguin, TX	1580
KRMC Midwest City, O		KSST Sulphur Springs, TX	1230	KUFE Agana, Guam	940	KWEI Weiser, ID	1260
KRMD Shreveport, LA	1340	KSTA Coleman, TX	1000	KUGN Eugene, OR	590	KWEL Midland, TX	1070
KRME Hondo, TX	1460	KSTB Breckenridge, TX	1430	KUGR Green River, WY	1490	KWEW Hobbs, NM	1480
KRMG Tulsa, DK	740	KSTC Sterling, CO	1230	KUHL Santa Maria, CA	1440	KWEY Weatherford, OK	1590
	1410	KSTL St. Louis, MO	690	KUIK Hilisboro, OR	1360	KWFT Wichita Falls, TX	620
KRMO Monett, MO	990	KSTN Stockton, CA	1420	KUJ Walla Walla, WA	1420	KWG Stockton, CA	1230
KRMS Osage Beach, M	1150	KSTP St. Paul, MN	1500	KUKA San Antonio, TX	1250	KWGH Big Lake, TX	1290
KRNR Roseburg, OR	1490	KSTR Grand Junction, CO KSTT Davenport, IA	620	KUKI Uklah, CA	1400	KWHK Hutchinson, KS	1260
KRNS Burns, OR	1230		1170	KUKU Willow Springs, MO	1330	KWHN Fort Smith, AR	1320
KRNT Des Moines, IA	1350	KSTV Stephenville, TX	1510	KULA Walpahl, HI	940	KWHO Salt Lake City, UT KWHW Altus, OK	860
KRNY Keamey, NE	1460	KSUB Cedar City, UT	590	KULE Ephrata, WA	730		1450
14/-	1001	-					

U.S. AM SI	ATIC	ONS BY CALL	LE	TERS			
Call Location	kHz	Call Location	kHz	Call Location	KHz	Call Location	kHz
KWIK Pocatello, ID	1240	KYNO Fresno, CA	1300	WAMA Selma, AL	1340	WBBL Richmond, VA	1480
KWIL Albany, OR KWIQ Moses Lake, WA	790 1260	KYNT Yankton, SD KYOK Houston, TX	1450 1590	WAMB Donelson, To WAMD Aberdeen, M		WBBM Chicago, IL WBBO Forest City, NC	780 780
KWIV Douglas, WY KWIX Moberly, MO	1470 1230	KYOO Bolivar, MO KYOR Blythe, CA	1130	WAMG Galatin, TN	1130	WBBQ Augusta, GA	1340
KWIZ Santa Ana, CA	1480	KYOS Merced, CA	1450 1480	WAMI Opp, AL WAML Laurel, MS	860 1340	WBBR Travelers Rest, SC WBBT Lyons, GA	1580 1340
KWJJ Portland, OR KWK St. Louis, MO	1080 1380	KYRO Potosi, MO KYOU Greeley, CO	1280 1450	WAMM Flint, Mt WAMO Pittsburgh, F	1420 860	WBBW Youngstown, OH WBBX Portsmouth, NH	1240 1380
KWKA Clovis, NM KWKC Abilene, TX	680 1340	KYSM Mankato, MN KYSN Colorado Springs, CO	1230	WAMQ Loretto, PA	1400	WBBZ Pona City, OK	1230
KWKH Shreveport, LA	1130	KYSS Missoula, MT	1460 930	WAMR Venice, FL WAMS Wilmington,	DE 1320 1380	WBCA Bay Minette, AL WBCB Levittown, PA	1110 1490
KWKN Wichita, KS KWKW Pasadena, CA	1480	KYST Texas City, TX KYTE Portland, OR	920 970	WAMW Washington. WAMY Amory, MS	, IN 1580 1580	WBCF Florence, AL WBCG Columbus, GA	1240 1440
KWKY Des Moines, IA KWLA Many, LA	1150 1400	KYUK Bethel, AK KYVA Gallup, NM	580	WANA Anniston, AL	1490	WBCH Hastings, MI	1220
KWLC Decorah, IA	1240	KYW Philadelphia, PA	1230 1060	WANB Waynesburg, WANL Lineville, AL	1540	WBCI Williamsburg, VA WBCK Battle Creek, MI	740 930
KWLM Willmar, MN KWLS Pratt, KS	1340 1290	KYXI Oregon City, OR KYXX Odessa, TX	1520 920	WANM Tallahassee, WANN Annapolis, M		WBCO Bucyrus, OH WBCS Milwaukee, WI	1540
KWMB Wabasha, MN KWMC Del Rio, TX	1190	KZAM Bellevue, WA	1540	WANO Pineville, KY	1230	WBCU Union, SC	1340 1460
KWMS Salt Lake City, UT	1490 1280	KZEE Weatherford, TX KZEY Tyler, TX	1220 690	WANS Anderson, SO WANT Richmond, V	A 990	WBCW Jeanette, PA WBDN Escanaba, MI	1530 600
KWMT Ft. Dodge, IA KWNA Winnemucca, NV	540 1400	KZIA Albuquerque, NM KZIP Amarillo, TX	1580 1310	WANV Waynesboro, WANY Albany, KY	VA 970	WBDY Bluefield, VA	1190
KWNC Quincy, WA	1370	KZIQ Ridgecrest, CA	1360	WAOA Opelika, AL	1390 1520	WBEC Pittsfield, MA WBEE Harvey, IL	1420 1570
KWNO Winona, MN KWNT Davenport, IA	1230 1580	KZLA Los Angeles, CA KZNG Hot Springs, AR	1540 1340	WAOC St. Augustine WAOK Atlanta, GA	e, FL 1420 1480	WBEJ Elizabethton, TN WBEL So. Beloit, IL	1240 1380
KWOA Worthington, MN KWOC Poplar Bluff, MO	730 930	KZOE Princeton, IL KZOK Seattle, WA	1490 1590	WAOP Ostego, MI WAOV Vincennes, II	980	WBEN Buffalo, NY	930
KWOK Wagoner, OK	1530	KZOL Farwell, TX	1570	WAPA San Juan, PR	680	WBER Moncks Corner, SC WBET Brockton, MA	950 1460
KWON Bartlesville, OK KWOR Worland, WY	1340	KZON Santa Maria, CA KZOO Honolulu, HI	1600 1210	WAPE Jacksonville, WAPF McComb, MS		WBEU Beaufort, SC WBEV Beaver Dam, WI	960 1430
KWOS Jefferson City, MO KWOW Pomona, CA	1240 1600	KZOT Marianna, AR KZRK Ozark, AR	1460 1540	WAPG Arcadia, FL	1480	WBEX Chillcothe, OH	1490
KWPC Muscatine, IA	860	KZUL Parker, AZ	1380	WAPI Birmingham, A	L 1390	WBFC Stanton, KY WBFD Bedford, PA	1470 1310
KWPM West Plains, MO KWPR Claremore, OK	1450 1270	KZUN Opportunity, WA KZYM Cape Girardeau, MO	630 1220	WAQE Rice lake, WI WAQI Ashtabula, Ol	1090 1 1600	WBJF Winston-Salem, NC WBFN Quitman, MS	1550 1500
KWRC Woodburn, OR KWRD Henderson, TX	940 1470	KZZN Littlefield, TX KZZP Mesa, AZ	1490	WARA Attleboro, MA	1320	i WBGC Chipley, FL	1240
KWRE Warrenton, MO	730	WAAA Winston-Salem, NC	1310 980	WARB Covington, L WARD Pittston, PA	A 730 1540	WBGN Bowling Green, KY WBGR Paris, KY	1340 1440
KWRF Warren, AR KWRM Corona, CA	860 1370	WAAC Terre Haute, IN WAAK Dallas-Gastonia, NC	1300 960	WARE Ware, MA WARF Jasper, AL	1250 1240	WBGY Tullahoma, TN WBHB Filzgerald, GA	740 1240
KWRO Coquille, OR KWRT Boonville, MO	630 1370	WAAM Ann Arbor, Mi WAAO Andalusia, AL	1600	WARI Abbeville, AL	1480	WBHC Hampton, SC	1270·
KWSD Mt. Shasta, CA	620	WAAX Gadsden, AL	1530 570	WARK Hagerstown, WARM Scranton, PA	590	WBHF Cartersville, GA WBHM Birmingham, AL	1450 1550
KWSH Wewoka-Seminole, OK	1260	WAAY Huntsville, AL WABA Aquadilia, PR	1550 850	WARO Canonsburg, WARR Warrenton, N	PA 540 IC 1520	WBHN Bryson City, NC WBHP Huntsville, AL	1590 1230
KWSL Sloux City, IA KWSO Wasco, CA	1470 1050	WABB Mobile, AL WABC New York, NY	1480 770	WARU Peru, IN	1600	WBHT Brownsville, TN	1520
KWSR Rifle, CO	810	WABD Fort Campbell, KY	1370	WARV Warwick-E. G	RI 1590	WBIA Augusta, GA WBIB Centreville, AL	1230 1110
KWSU Pullman, WA KWTC Barstow, CA	1250 1230	WABF Fairhope, AL WABG Greenwood, MS	1220 960	WASA Havre de Gra WASC Spartanburg,	ce, MD 1330 SC 1530	WBIC New Bern, NC WBIE Marietta, GA	1380 1080
KWTO Springfield, MO KWTX Waco, TX	560 1230	WABH Churchville, VA WABI Bangor, ME	1150 910	WASK Lafayette, IN	1450	WBIG Greensboro, NC	1470
KWUN Concord, CA	1480	WABJ Adrian, MI	1490	WASP Brownsville, F WASR Wolfeboro, N	H 1420	WBIL Tuskegee, AL WBIN Benton, TN	580 1540
KWVR Enterprise, OR KWWB Bismarck-Mandan, ND	1340 1270	WABK Gardiner, ME WABL Amile, LA	1280 1570	WATA Boone, NC WATC Gaylord, MI	1450 900	WBIO Parsippany, NJ WBIP Booneville, MS	1310 1400
KWWL Waterloo, IA KWWW Wematchee, WA	1330 1340	WABO Waynesboro, MS WABO Cleveland, OH	990 1540	WATH Athens, OH WATI Indianapolis, I	970	WBIS Bristol, CT	1440
KWXI Glenwood, AZ KWXY Cathredal City, CA	1470	WABS Arlington, VA	780	WATK Antigo, WI	900	WBIT Adel, GA WBIW Bedford, IN	1470 1340
KWYN Wynne, AR	1340 1400	WABT Montgomery, AL WABV Abbeville, SC	1000 1590	WATM Atmore, AL WATN Watertown, N	1590 1240	WBIX Jacksonville Beach, FL WBJA Guayama, PR	1010 1540
KWYO Sheridan, WY KWYR Winner, SK	1410	WABY Albany, NY WACA Camden, SC	1400 1590	WATO Oak Ridge, T WATP Marion, SC	N 1290 1430	WBJM Lemmon, SC WBKC Chardon, O	1400
KWYS W. Yellowstone, MT KWYZ Everett, WA	920 1230	WACB Kittanning, PA WACD Alexander City, AL	1380 1590	WATR Waterbury, C WATS Sayre, PA	T 1320	WBKH Hattiesburg, MS	1560 950
KXA Seattle, WA	770	WACE Chicopee, MA	730	WATT Cadillac, MI	960 1240	WBKV West Bend, Wi WBLA Elizabethtown, NC	1470 1440
KXAK Corrales, NM KXAM Scottsdale, AZ	1310 1440	WACI The Dailes, OR WACK Newark, NY	1300 1420	WATV Birmingham, WATW Ashland, Wi	AL 900 1400	WBLB Pulaski, VA WBLC Lenoir City, TN	1510 1360
KXAR Hope, AR KXEG Phoenix, AZ	1490 1010	WACL Waycross, GA WACO Waco, TX	570 1460	WATZ Alpena, MI WAUB Auburn, NY	1450 1590	WBLE Batesville, MS WBLF Bellefonte, PA	1290 970
KXEL Waterloo, IA KXEM McFarland, CA	1540 1590	WACQ Carryille, AL WACR Columbus, MS	1130 1050	WAUC Wauchula, FL	1310	WBLJ Dalton, GA	1230
KXEN Festus-St. Louis, MO	1010	WACT Tuscalooss, At	1420	WAUD Auburn, AL WAUK Waukesha, W		WBLO Evergreen, AL WBLR Batesburg, SC	1470 1430
KXEO Mexico, MO KXEW South Tucson, AZ	1340 1600	WACX Austell, GA WADA Shelby, NC	1600 1390	WAVE Louisville, KY		WBLT Bedford, VA WBLW Royston, GA	1350 810
KXEX Fresno, CA KXGN Glendive, MT	1550 1400	WADC Parkersburg, WV WADE Wadesboro, NC	1050	WAVI Dayton, OH WAVL Apollo, PA	1210 910	WBLY Springfield, OH WBMA Beautort, NC	1600
KXIC lows City, IA KXIT Dalhart, TX	800 1410	WADK Newport, RI WADM Decatur, IN	1540	WAVN Stillwater, MN	1220	WBMB West Branch, MI	1400 1060
KXIV Phoenix, AZ	1400	WADO New York, NY	1540 1280	WAVO Avondale Est WAVS Ft. Lauderdale	FL 1190	WBMC McMinnville, TN WBMD Baltimore, MD	960 750
KXJK Forrest City, AR KXKS Albuquerque, NM	950 1190	WADR Remsen, NY WADS Ansonia, CT	1480 690	WAVU Albertville, Al	630 T 1300	WBME Belfast, ME WBMJ San Juan, PR	1230 1190
KXKW Lafayette, LA KXL Portland, OR	1520 750	WAEB Allentown, PA WAEC Atlanta, GA	790	WAWA West Allis, W	1 1590	WBMK West Point, GA	1310
KXLE Ellensburg, WA	1240	WAEL Mayaguez, PR	860 600	WAWK Kendaliville, WAWZ Zarephath, N	J 1380	WBML Macon, GA WBMS Black Mountain, NC	900 1350
KXLF Butte, MT KXLO Lewiston, MT	1370 1230	WAEW Crossville, TN WAEY Princeton, WV	1330 1490	WAXE Vero Beach, F WAXO Lewisburg, Ti	L 1370	WBNC Conway, NH WBNL Boonville, IN	1050 1540
KXLR North Little Rock, AR KXLY Spokane, WA	1150 920	WAFL Millord, DE WAGC Centre, AL	930	WAXU Georgelown, WAYB Waynesboro,	KY 1580	WBNO Bryan, OH	1520
KXO El Centro, CA	1230	WAGE Leesburg, VA	1560 1290	WAYC Bedford, PA	1600	WBNR Beacon, NY WBNS Columbus, OH	1260 1460
KXOA Sacramento, CA KXOK St. Louis, MO	1470 630	WAGF Dothan, AL WAGG Franklin, TN	1320 950	WAYD Ozark, AL WAYE Baitimore, MC	1190	WBNT Oneida, TN WBNX New York, NY	1310 1380
KXOL Ft. Worth, TX KXOW Hot Springs, AR	1360 1420	WAGL Lancaster, SC WAGM Presque Isle, ME	1560 950	WAYK Lehigh Acres, WAYL Richfield, MN	FL 1440	WBOB Galax, VA	1360
KXOX Sweetwater, TX	1240	WAGN Menoraines MI	1340	WAYN Rockingham,		WBOC Salisbury; MD WBOK New Orleans, LA	960 1230
KXPO Grafton, ND KXQR Clovis, CA	1340 790	WAGO Oshkosh, WI WAGR Lumberton, NC	690 580	WAYR Orange Park, WAYS Charlotte, NC	FL 550 610	WBOL Bolivar, TN WBOO Baraboo, WI	1560 740
KXRA Alexandria, MN KXRB Sloux Falls, SD	1490	WAGS Bishopville, SC WAGY Forest City, NC	1380 1320	WAYT Wabash, IN WAYX Waycross, GA	1510	WBOP Pensacola, FL	980
KXRO Aberdeen, WA	1320	WAHT Annyille-Cleona, PA	1510	WAYY Chippewa Fal	ls, WI 1150	WBOW Terre Haute, IN WBOX Bogaiusa, LA	1230 920
KXRQ Trumann, AR KXRX San Jose, CA	1530 1500	WAIK Gainesburg, IL WAIM Anderson, SC	1590 1230	WAYZ Waynesboro, WAZA Balnbridge, G		WBOZ San German, PR WBPA Elkhorn City, KY	1090 1460
KXVO Pawhuska, OK KXXL Bozeman, MT	1500 1450	WAIN Columbia, KY WAIR Winston-Salem, NC	1270 1340	WAZE Clearwater, FI WAZL Hazelton, PA	860 1490	WBPZ Lock Haven, PA WBQN Barceloneta, PR	1230
KXXO Tuisa, OK	1300	WAIT Chicago, IL	820	WAZF Yazoo City, M	S 1230	WBQW Scranton, PA	1160 1320
KXXR Spokane, WA KXXX Colby, KS	1440 790	WAIV Jacksonville, FL WAJF Decatur, AL	1490	WAZS Summerville, WAZY Lafayette, IN	1410	WBRB Mt. Clemens, MI WBRD Bradenton, FL	1430 1420
KXYL Brownwood, TX KXYZ Houston, TX	1240 1320	WAJL Winter Park, FL WAJR Morgantown, WV	1440	WBAA West Lafayette WBAC Cleveland, TN	e. IN 920	WBRE Wilkes-Barre, PA WBRG Lynchburg, VA	1340 1050
KYA San Francisco, CA KYAC Seattle, WA	1260 1250	WAKA Gainesville, FL WAKE Valparaiso, IN	1390 1500	WBAF Barnesville, G WBAL Baltimore, MD	A 1090	WBRI Indianapolis, IN	1500
KYAL McKinney-Plano, TX	1600	WAKI McMinnville, TN	1230	WBAM Montgomery,	AL 740	WBRJ Marietta, OH WBRK Pittsfield, MA	910 1340
KYCA Prescott, AZ KYCN Wheatland, WY	1490 1340	WAKK McComb, MS WAKN Alken, SC	1140 9 9 0	WBAP Ft. Worth, TX WBAR Bartow, FL	820 1460	WBRL Berlin, NH WBRM Marion, NC	1400 1250
KYDE Pine Bluff, AR KYES Roseburg, OR	1590 950	WAKO Lawrenceville, IL WAKR Akron, OH	910 1590	WBAS Crescent City, WBAT Marion, IN		WBRN Big Rapids, MI WBRT Bardstown, KY	1460
KYET Payette, ID	1450	WAKS Fuquay-Varina, NC	1460	WBAW Barnwell, SC	740	WBRO Waynesboro, GA	1320 1310
KYFR Shenandoah, IA KYJC Medford, OR	920 1230	WAKX Superior, WI WAKY Louisville, KY	970 790	WBAX Wilkes-Barre, WBBA Pittsfield, IL	1580	WBRV Boonville, NY WBRW Somerville, NJ	900 1170
KYLT Missoula, MT KYME Boise, IO	1340 740	WALE Fall River, MA WALG Albeny, GA	1400 1590	WBBB Burlington-Gr	NC 920	WBRX Berwick, PA WBRY Wodbury, TN	1280 1540
KYMN Northfield, MN KYMO East Prairie, MO	1080	WALK Patchogue, NY WALL Middletown, NY	1370 1340	WBBF Rochester, NY WBBG Cleveland, OF	950	WBSA Boaz, AL WBSC Bennettsville, SC	1300 1550
KYNG Coos Bay, OR KYNN Omaha, NE	1420 1490	WALM Aibion, MI	1260	WBBI Abingdon, VA	1230	WBSG Blackshear, GA	1350
A THIN OHIGHA, NE	1430	WALO Humacao, PR	1240	WBBK Blakely, GA	1250	WBSM New Bedford, MA	1420

Call Location	kHz	Call Location	kHz	Call Location	kHz	Call Location
BSR Pensacola, FL BT Charlotte, NC	1450 1110	WCLS Columbus, GA WCLT Newark, OH	1580 1430	WDEA Elisworth, ME WDEB Jamestown, TN	1370 1500	WEIC Charleston, IL
BTA Batavia, NY	1490	WCLU Covington, KY	1320	WDEC Americus, GA	1290	WEIF Moundsville, WV
BTC Uhrichsville, O BTE Windsor, NC	1540 990	WCLW Mansfield, O WCMA Corinth, MS	1140 1230	WDEF Chattanooga, TN WDEH Sweetwater, TN	1370 800	WEIM Fitchburg, MA WEIR Weirton, WV
BTH Williamson, WV	1400	WCMB Harrisburg, PA	1460	WDEL Wilmington, DE	1150	WEIS Centre, AL
BTM Danville, VA BTN Bennington, VT	1330	WCMC Wildwood, NJ	1230 1230	WDEN Macon, GA WDEV Waterbury, VT	1500 550	WEJL Scranton, PA WEKG Jackson, KY
BTO Linton, IN	1370 1600	WCMD Cumberland, MD WCMI Ashland, KY	1230 1340	WDGL Douglasville, GA	1520	WEKO Cabo Rojo, PR
BTS Bridgeport, AL	1480	WCMN Arecibo, PR	1280 1350	WDGS New Albany, IN WDGY Minneapolis, MN	1290 1130	WEKR Fayetteville, TN WEKY Richmond, KY
BTX Broadway-Timberville,		WCMP Pine City, MN WCMQ Miami, FL	1220	WDIA Memphis, TN	1070	WEKZ Monroe, Wi
BUC Buckhannon, WV	1460	WCMR Elkhart, IN	1270	WDIC Clincheo, VA WDIG Dothan, AL	1430 1450	WELB Elba, AL WELC Welch, WV
BUD Trenton, NJ BUG Ridgeland, SC	1260 1430	WCMS Norfolk, VA WCMT Martin, TN	1050 1410	WDIS Ft. Walton Beach, FL	1260	WELD Fisher, WV
BUK Portage, MI	1560	WCMY Otlawa, IL	1430	WDIX Orangeburg, SC	1150 1510	WELE S. Daytona, FL WELI New Haven, CN
BUL Birmingham, AL BUT Butler, PA	1220 1050	WCNB Connersville, IN WCNC Elizabeth City, NC	1580 1240	WDJD Jackson, MI WDJS Mt. Olive, NC	1430	WELM Elmira, NY
BUX Doylestown, PA	1570	WCND Shelbyville, KY	940	WDJZ Bridgeport, CT	1530	WELO Tupelo, MS
BUY Lexington, NC BVD Beverly, MA	1440 1570	WCNH Quincy, FL WCNL Newport, NH	1230 1010	WDKD Kingstree, SC WDKN Dickson, TN	1310 1260	WELP Easley, SC WELR Roanoke, AL
BVP Beaver Falls, PA	1230	WCNR Bloomsburg, PA	930	WDLA Walton, NY	1270	WELS Kinston, NC
BYA Laurel, MD BYE Calera, AL	900 1370	WCNS Latrobe, PA WCNU Crestview, FL	1480 1010	WDLB Marshfleid, WI WDLC Port Jervis, NY	1450 1490	WELV Ellenville, NY WELW Willoughby, OK
BYS Canton, IL	1560	WCNW Fairfield, O	1560	WDLK Dadeville, AL	1450	WELX Xenia, OK
BZ Boston, MA BZA Glens Falls, NY	1030 1410	WCNX Middletown, CT WCOA Pensacola, FL	1150 1370	WDLR Delaware, OH WDLM E. Moline, IL	1550 960	WELY Ely, MN WELZ Belzoni, MS
BZB Selma, NC	1090	WCOC Meridian, MS	910	WDLP Panama City, FL	590	WEMB Erwin, TN
BZK York, SC BZQ Greenville, MS	980 1550	WCOG Greensboro, NC WCOH Newnan, GA	1320 1400	WDLS Dallas, GA WDLT Indianola, MS	1500 1380	WEMD Easton, MD WEMJ Laconia, NH
BZY New Castle, PA	1140	WCOJ Coatesville, PA	1420	WDLV Pinehurst, NC	550	WEMP Milwaukee, WI
CAB Rutherfordton, NC	590 1350	WCOK Sparta, NC WCOL Columbus, OH	1060 1230	WDME Dover-Foxcroft, ME WDMG Douglas, GA	1340 860	WENA Penuelas, PR WENC Whiteville, NC
CAL Northfield, MN	770	WCON Comelia, GA	1450	WDMJ Marquette, MI	1320	WEND Ebensburg, PA
CAO Baltimore MD	600 980	WCOR Lebanon, TN	900	WDMP Dodgeville, WI WDMV Pocomoke City, MD	810 540	WENE Endicott, NY WENG Englewood, FL
CAP Lowell, MA CAR Garden City, MI	1090	WCOS Columbia, SC WCOU Lewiston, ME	1240	WDNC Durham, NC	620	WENK Union City, TN
CAS Cambridge, MA	740	WCOV Montgomery, AL	1170	WDNE Elkins, WV	1240 1450	WENN Birmingham, AL WENO Chattahoochee, FL
CAT Orange, MA CAU Philadelphia, PA	1390 1210	WCOW Sparta, WI WCOX Camden, AL	1290 1540	WDNG Anniston, AL WDNH Honesdale, PA	1590	WENR Englewood, TN
CAW Charleston, WV	680	WCOY Columbia, PA	1580	WDNT Dayton, TN WDNY Dansville, NY	1280 1600	WENT Gloversville-Johnston,
CAY Cayce, SC CAZ Carthage, IL	620 990	WCPA Clearfield, PA WCPC Houston, MS	900 940	WDOC Prestonsburg, KY	1310	WENY Elmira, NY
CBA Corning, NY	1350	WCPH Etowah, TN	1220	WDOD Chatlanooga, TN	1310	WENZ Highland Springs, VA WEOK Poughkeepsie, NY
CBC Cumberland, MD CBG Chambersburg, PA	1270 1590	WCPK Chesapeake, VA WCPL Pageland, SC	1600 1510	WDOE Dunkirk, NY WDOG Allendale, SC	1410 1450	WEOL Elyria, OH
CBI Columbus, MS	550	WCPM Cumberland, KY	1280	WDON Wheaton, MD	1540	WEPA Eupora, MS
CBK Martinsville, IN CBL Benton, KY	1540 1290	WCPQ Havelock, NC WCPR Coamo, PR	1330 1450	WDOR Sturgeon Bay, WI WDOS Oneonta, NY	910 730	WEPM Martinsburg, WV
CBM Baltimore, MD	680	WCPS Tarboro, NC	760	WDOV Dover, DE	1410	WEQC Kalkaska, MI
CBQ Oxford, NC	1340	WCQL Pewaukee,WI	1370 1090	WDOT Burlington, VT WDOW Downglac, MI	1400 1440	WEQO Whitley City, KY WERA Plainfield, NJ
CBR Richmond, KY CBS New York, NY	1110 880	WCRA Effingham, IL WCRE Cheraw, SC	1420	WDQN DuQuoin, IL	1580	WERC Birmingham, AL
CBT Roanoke Rapids, NC	1230	WCRI Scottsboro, AL	1050	WDRC Hartford, CN	1360 800	WERD Jacksonville, FL WERE Cleveland, OH
CBX Eden, NC CBY Cheboygan, MI	1130 1240	WCRJ Jacksonville, FL WCRK Morristown, TN	1530 1150	WDSC Dillon, SC WDSG Dyersburg, TN	1450	WERH Hamilton, AL
CCC Hartford, CT	1290	WCRL Oneonta, AL	1570	WDSL Mocksville, NC	1520	WERI Westerly, RI
CCD Athens, GA CCF Punta Gorda, FL	1470 1580	WCRO Johnstown, PA WCRS Greenwood, SC	1230 1450	WDSM Superior, WI WDSR Lake City, FL	710 1340	WERK Muncle, IN WERL Eagle River, WI
CCL Jacksoon, MS	1590	WCRT Birmingham, AL	1260	WDSU New Orleans, LA	1280	WERT Van Wert, OH
CCM Lawrence, MA	800 1370	WCRV Washington, NJ	1580 1240	WDTM Selma, TN WDUN Gainesville, GA	1130 1240	WESA Charlerol, PA WESB Bradford, PA
CCN Nellisvitie, WI CCO Minneapolis-St. Paul,		WCRW Chicago, IL WCSA Ripley, MA	1260	WDUR Durham, NC	1490	WESC Greenville, SC
M	N 830 1560	WCSC Charleston, SC	1390 970	WDUX Waupaca, Wi WDUZ Green Bay, Wi	800 1400	WESL E. St. Louis, IL WESO Southbridge, MA
CCP Clemson, SC CCW Traverse, City, MI	1560 1310	WCSH Portland, ME WCSI Columbus, IN	1010	WDVA Danville, VA	1250	WESR Tasley, VA
CCY Houghton, MI	1400	WCSJ Morris, IL	1550	WDVH Gainesville, FL	980	WEST Easton, PA WESX Salem, MA
CCZ New Smyrna Beach, Fl CDJ Edenton, NC	L 1550 1260	WCSL Cherryville, NC WCSM Cellna, OH	1590 1350	WDVL Vineland, NJ WDWD Dawson, GA	1270 990	WESY Leland, MS
CDL Carbondale, PA	1440	WCSP Port Gibson, MS	1520	WDWS Champaign, IL	1400	WETB Johnson City, TN
CDS Glasgow, KY CDT Winchester, TN	1440 1340	WCSR Hilladale, MI WCSS Amsterdam, NY	1340 1490	WDXB Chattanooga, TN WDXE Lawrenceburg, TN	1490 1370	WETC Wendell-Zebulon, NC WETO DeLand, FL
CEC Rocky Mount, NC	810	WCST Berkeley Springs.	WV 1010	WDXI Jackson, TN	1310	WETT Ocean City, MD
CED DuBois, PA CEH Hawkinsville, GA	1420 610	WCSV Crossville, TN WCSW Shell Lake, WI	1490 940	WDXL Lexington, TN WDXN Clarksville, TN	1490 540	WETU Wetumpka, AL WETZ New Martinsvulle, WV
CEM Cambridge, MD	1240	WCTA Alamo, TN	810	WDXR Puducah, KY	1560	WEUC Ponce, PR
CEN Mt. Pleasant, MI	1150	WCTC New Brunswick, N	NJ 1450	WDXY Sumter, SC WDYX Buford, GA	1240 1460	WEUP Huntsville, AL WEVA Emporia, VA
CER Charlotte, MI CFL Chicago, IL	1390 1000	WCTM Eaton, OH WCTN Potomac-Cabin Jo		WDZ Decatur, IL	1050	WEVD New York, NY
CFR Springfield, VT	1480	WCTR Chestertown, MD	MD 950	WDZY Pine Castle-Sky Lake		WEVE Eveleth, MN WEVR River Falls, WI
CGA Conyers, GA CGB Pastillo, PR	1050 1050	WCTT Corbin, KY	680	WEAB Greer, SC	800	WEW St. Louis, MO
CGC Belmont, NC	1270	WCTW New Castle, IN	1550	WEAC Gaffney, SC	1500 1470	WEWO Laurinburg, NC WEXL Royal Oak,MI
CGL Jacksonville, FL CGO Chicago Heights., IL	1360 1600	WCUB Manitowoe, WI WCUE Cuyahoga Falis, C	980 OH 1150	WEAG Alcos, TN WEAL Greensboro, NC	1510	WEXM Jamesville, VA
CGR Canandalgua, NY	1550	WCUG Cuthbert, GA	850	WEAM Arlington, VA	1390	WEXY Oakland Park, FL WEYE Sanford, NC
CHA Chambersburg, PA CHB Inkster, MI	800 1440	WCUZ Grand Rapids, MI WCVA Culpeper, VA	1490	WEAN Providence, RI WEAQ Eau Claire, WI	790	WEYY Talladega, GA
CHE West Chester, PA	1520	WCVA Culpeper, VA WCVC Tallahasee, FL WCVI Connellsville, PA	1330	WEAS Savannah, GA	900	WEYZ Erie, PA
CHI Chillicothe, OH CHJ Brookhaven, MS	1350 1470	WCVI Connelisville, PA WCVL Crawfordsville, IN	1340	WEAT West Palm Beach, FI WEAV Plattsburg, NY	960	WEZE Boston, MA WEZJ Williamsburgt, KY
CHK Canton, GA	1290	WCVP Murphy, NC	600	WEBB Baltimore, MD	1360	WEZQ Winfield, AL
CHL Chapel Hill, NC CHN Norwich, NY	1360 970	WCVR Randolph, VT WCVS Springfield, IL	1320 1450	WEBC Duluth, MN WEBJ Brewton, AL	560 1240	WFAA Dallas-Ft. Worth, TX WFAB Juncos, PR
CHO Washington Court Ho	use	WCWA Toledo, OH	1230	WEBO Owego, NY	1440	WFAD Middlebury, VT
CHQ Camuy, PR	1250 1360	WCWC Ripon, WI WCWR Cocoa Beach, FL	1600	WEBQ Harrisburg, IL WEBR Buffalo, NY	1240 970	WFAG Farmville, NC WFAH Alliance, OH
CHS Charleston, WV	580	WCXi Detroit, MI	1130	WEBS Calhoun, GA	1110	WFAI Falyetteville, NC
CHU Soddy Dalsy, TN	1550	WCYN Cynthiana, KY	1400	WECK Cheektowaga, NY	1230	WFAN Washington, DC WFAR Farrell, PA
CHV Charlottesville, VA CID Juncos, PR	1260 1460	WDAD Indiana, PA WDAE Tampa, FL	1450 1250	WECL Eau Claire, WI WECO Wartburg, TN	1050 940	WFAS White Plains, NY
CIL Carbondale, IL	1020	WDAF Kansas City, MO	610	WECP Carthage, MS	1080 1240	WFAU Augusta, ME WFAW Fort Atkinson, WI
CIN Cincinnati, OH CIR Beckley, WV	1480 1070	WDAK Columbus, GA WDAL Meridian, MS	540 1330	WEDC Chicago, IL WEDG Soddy, TN	1240	WFAX Falls Church, VA
CIS Moss Point, MS	1460	WDAN Danville, IL	1490,	WEDO McKeesport, PA	810	WFBA San Sebastian, PR
CIT Lima, OH CJU Columbia, MS	940 1450	WDAR Darlington, SC WDAS Philadelphia, PA	1350 1480	WEED Southern Pines, NC WEED Rocky Mount, NC	990 1390	WFBC Greenville, SC WFBG, Altoona, PA
CJW Warsaw, NY	1140	WDAT Ormond Beach, F	FL 1380	WEEF Highland Park-		WFBL Syracuse, NY
CJY Marinette, WI	1300	WDAX McRae, GA	1410	Deerfield,IL WEEO Waynesboro, PA	1430 1130	WFBM Noblesville, IN WFBR Baltimore, MD
CKB Dunn, NC CKC Milton, FL	780 1490	WDAY Fargo, ND WDBC Escanaba, MI	680	WEEI Boston, MA	590	WFBS Spring Lake, NC
CKI Greer, SC	1300	WDBF Deiray Beach, FL	1420	WEEL Fairlax, VA	1310	WFBZ Minocqua, WI WFCG Franklinton, LA
CKL Catskill, NY CKM Winnsboro, SC	560 1250	WDBL Springfield, TN WDBM Statesville, NC	1590 550	WEEN Lafayette, TN WEEP Pittsburgh, PA	1460 1080	WFCM Winston-Salem, NC
CKQ Campbellsville, KY	1450	WDBO Orlando, FL	580	WEER Warenton, VA	1250	WFCV Fort Wayne, IN WFDF Flint, MI
CKY Cincinnati, OH CLA Claxton, GA	1530 1470	WDBQ Dubuque, IA	1490 1420	WEET Richmond, VA WEEU Reading, PA	1320 850	WFDR Manchester, GA
CLB Camilla, GA	1220	WDC Davenport, IA WDCF Dade City, FL	1350	WEEW Washington, NC	1320	WFEA Manchester, NH
CLC Jamestown, TN CLD Cleveland, MS	1260 1490	WDCI Gorham, ME WDCR Hanover, NH	1590 1340	WEEX Easton, PA WEGA Vega Baja, PR	1230 1350	WFEB Sylacauga, AL WFEC Harrisburg, PA
CLE Cleveland, TN	1570	WDDL Lancaster, PA	1490	WEGG Rose HIII, NC	710	WFEZ Mertdlan, MS
CLG Morgantown, WV	1300	WDDO Macon, GA	1240	WEGO Concord, NC	1410	WFFG Marathon, FL
CLI Corning, NY	1450	WDDT Greenville, MS	900	WEGP Presque Isles, ME	1390	WFFM Braddock, PA WFGL Fitchburg, MA

Z	U.S. AM S	TATI	ONS BY CALL	LE7	TTERS			
Š	Call Location	kHz	Call Location	kHz	Call Location	kHz	Call Location	kHz
HITES RADIO	WFGS Mitton, FL WFGW Black Mountains, NO WFHG Bristol, VA	1330 1010 980	WGKR Perry, FL WGL Fort Wayne, IN WGLC Mendota, IL	1310 1250 1090	WHIO Dayton, OH WHIP Mooresville, NC WHIR Danville, KY	1290 1350	WILL Urbane, IL WILM Wilmington, DE	580 1450
虿	WFHK Pell City, AL WFHR Wisconsin Rapids, W	1430	WGLD High Point, NC WGLR Lancaster, WI	1590 1280	WHIS Bluefield, WV WHIT New Bern, NC	1230 1440 1450	WILO Frankfort, IN WILS Lansing, MI WILY Centralia, IL	1570 1320 1210
œ	WFIA Louisville, KY WFIC Collinsville, VA WFIF Milford, CN	900 1530	WGLI Babylon, NY WGLX Gallon, OH	1290 1570	WHIY Moulton, AL WHIZ Zanesville, OH	1190 1240	WIMA Lima, OH WIMG Ewing, NJ	1150 1300
8	WFIG Sumter, SC WFIL Philadelphia, PA	1500 1290 560	WGMF Watkins Glen, NY WGML Hinesville, GA WGMS Bethesda, MD	1500 990 570	WHJB Greensburg, PA WHJC Matewan, WV WHJJ Providence, Ri	620 1360	WIMO Winder, GA WIMS Michigan City, IN	1300 1420
	WFIN Findley, OH WFIR Rosnoke, VA	1330 960	WGN Chicago, IL . WGNB Indian Rocks Beach	720	WHK Cleveland, OH WHKP Hendersonville, NC	920 1420 1450	WINA Charlottesville, VA WINC Winchester, VA WIND Chicago, IL	1070 1400 560
5	WFIS Fountain inn, SC WFIV Klasimmee, FL	1600 1080	WGNC Gastonia, NC WGNE Panama City Beach,	1450 FL 1520	WHKY Hickory, NC WHLB Virginia, MN	1290 1400	WINE Brookefield, CT WINF Manchester, CT	940 1230
7	WFIW Fairfield, IL WFIX Huntsville, AL WFJT Inez, KY	1390 1450 1590	WGNG Pawtucket, Ri WGNI Wilmington, NC WGNS Murtreesboro, TN	550 1450 1450	WHLD Niagara Falls, NY WHLF South Boston, VA	1270 1400	WING Dayton, OH WINH Georgetown, SC	1410 1470
	WFKN Franklin, KY WFKY Frankfort, KY	1220 1490	WGNT Huntington, WV WGNU Granite City, IL	930 920	WHLI Hempstead, NY WHLL Wheeling, WV WHLM Bloomsburg, PA	1100 1600 550	WINI Murphysboro, IL WINK Fort Myers, FL WINN Louisville, KY	1420 1240
	WFLB Fayetteville, NC	970 1490	WGNY Newburgh, NY WGOC Kingsport, TN	1220 1090	WHLN Harlan, KY WHLO Akron, OH	1410 640	WING Tampa, FL WINR Binghamton, NY	1240 1010 680
	WFLI Lookout Mountain- Chattanooga, Ti WFLN Philadelphia, PA	N 1070 900	WGOE Richmond, VA WGOG Wahalia, SC WGOH Grayson, KY	1590 1000	WHLP Centerville, TN WHLS Port Huron, Mi	1570 1450	WINS New York, NY WINU Highland, IL	1010 1510
	WFLO Farmville, VA WFLR Dundee, NY	970 1570	WGOK Mobile AL WGOM Marion, IN	900 860	WHLT Huntington, IN WHLW Lakewood, NJ WHMA Anniston, AL	1300 1170 1390	WINW Canton, OK WINX Rockville, MD WINY Putnam, CT	1520 1800
	WFLS Fredericksburg, VA WFLW Monticello, KY	1350 1360	WGOR Toledo, OH WGOS High Point, NC	1520 1070	WHMI Howell, MI WHMP Northhempton, MA	1350 1400	WINZ Miami, FL WIOD Miami, FL	1350 940 610
	WFMC Goldsboro, NC WFMD Frederick, MD WFMH Cullman, AL	730 930 1460	WGOV Valdosta, GA WGOW Chattanooga, TN WGPA Bethlehem, PA	950 1150 1100	WHMT Humbolt, TN WHN New York, NY	1190 1050	WIOI New Boston, OH WION Ionia, MI	1010 1430
	WFMJ Youngstown, OH WFMO Fairmont, NC	1390 860	WGPC Albany, GA WGR Buffalo, NY	1450 550	WHNC Henderson, NC WHND Monroe, MI WHNE Cumming, GA	890 560 1170	WIOO Carlisle, PA WIOS Tawas City-East Tawas	
	WFMW Madisonvitle, KY WFNC Fayetteville, NC	730 940	WGRA Cairo, GA WGRC Spring Valley, NY	790 1300	WHNI MeBane, NC WHNY McComb, MS	1060 1250	WIOU Kokomo, IN WIP Philadelphia, PA	1 1480 1350 610
	WFOB Fostoria, OH WFOG Suffolk, VA WFOM Marietta, GA	1430 1450 1230	WGRD Grand Rapids, MI WGRI Griffin, GA WGRK Greensburg, KY	1410 1410	WHO Des Moines, IA WHOA San Juan, PR	1040 870	WIPC Lake Wales, FL WIPR San Juan, PR	1280 940
	WFOR Hattlesburg, MS WFOY St. Augustine, FL	1400 1240	WGRM Greenwood, MS WGRO Lake City, FL	1550 1240 960	WHOC Philadelphia, MS WHOD Jackson, AL WHOK Lancaster, OH	1490 1230 1320	WIPS Ticonderoga, NY WIQT Horseheads, NY WIRA Ft.Pierce, FL	1250 1000
	WFPA Fort Payne, AL WFPM Fort Valley, GA	1400 1150	WGRP Greenville, PA WGRV Greeneville, TN	940 1340	WHOL Allentown, PA WHON Centerville, IN	1600 930	WIRB Enterprise, AL WIRC Hickory, NC	1400 600 630
	WFPR Hammond, LA WFRA Franklin, PA WFRB Frostburg, MD	1400 1450 560	WGRY Grayling, MI WGSA Ephrata, PA WGSB Geneva, IL	1590 1310	WHOO Orlando, FL WHOP Hopkinsville, KY	990 1230	WIRD Lake Placid, NY WIRE Indianapolis, IN	920 1430
	WFRL Freeport, IL WFRM Coudersport, PA	1570 600	WGSM Huntington, NY WGSO New Orleans, LA	1480 740 1280	WHOS Decatur, AL WHOT Campbell, OH WHOU Houlton, ME	800 1330 1340	WIRJ Humbolt, TN WIRK W. Palm Beach, FL WIRL ironton, OH	740 1290
	WFRO Fremont, OH WFRX West Frankfort, IL	900 1300	WGSR Millen, GA WGST Atlanta, GA	1570 920	WHOW Clinton, IL WHOY Salinas, PR	1520 1210	WIRV Irdne, KY WIRY Plattsburg, NY	1230 1550 1340
	WFSC Franklin, NC WFSH Valparaiso, FL WFSP Kingwood, WV	1050 1340	WGSV Guntersville, AL WGSW Greenwood, SC WGTA Summerville, GA	1270 1350	WHP Harrisburg, PA WHPB Belton, SC	580 1390	WIS Columbia, SC WISA Isabella, PR	560 1390
	WFSR Harlan, KY WFST Carlbou, ME	560 1470 600	WGTL Kannapolis, NC WGTM Wilson, NC	950 870 590	WHPI Herrin, IL WHPL Winchester, VA WHPY Clayton, NC	1340 610 1590	WISE Asheville, NC WISK Americus, GA WISL Shamokin, PA	1310 1390
	WFTC Kinston, NC WFTG London, KY	960 1400	WGTN Georgetown, SC WGTO Cypress Gardens, FL	1400	WHRT Hartseile, AL WHSC Hartsville, SC	860 1450	WISM Madison, WI WISN Milwaukee, WI	1480 1480 1130
	WFIL Ft. Lauderdale, FL WFTH Morehead City, NC WFTM Maysville, KY	1400 740 1240	WGTR Natick-Framingham, WGTW Mt. Dora, FL WGTX DeFuniak Springs, FL	1580	WHSV Hattesburg MS	910 1230	WISO Ponce, PR WISP Kinston, NC	1260 1230
	WETN Franklin, NH WETO Fulton, MS	1240 1330	WGUF Gultport, MS WGUL New Port Rickey, FL	1130 1500	WHTC Holland, MI WHTG Eatontown, NJ WHTH Heath, OH	1450 1410 1000	WISR Butler, PA WISS Bertin, WI WIST Charlotte, NC	1090
	WFTP Ft. Plerce, FL. WFTQ Worchester, MA	1330 1440	WGUN Atlanta, GA WGUS North Augusta, SC	1010 1380	WHTN Huntington, WV WHTT Miami, FL	800 1260	WISV Virouqua, WI WITA Knoxyille, TN	1240 1360 1490
	WFTR Fort Royal, VA WFUL Fulton, KY- South Fulton, TN	1450 1270	WGUY Bangor, ME WGVA Geneva, NY WGVM Greenville, MS	1250 1240 1260	WHUB Cookeville, TN WHUC Hudson, NY WHUE Boston, MA	1400 1230	WITH Baitimore, MD WITL Lansing, MI	1230 1010
	WFUL South Fulton, TN- Fulton, KY	1270	WGWC Selma, AK WGWR Asheboro, NC	1340 1260	WHUM Reading, PA WHUN Huntingdon, PA	1150 1240 1150	WITN Washington, NC WITS Boston, MA WITY Danville, IL	930 1510 980
	WFUR Grand Rapids, MI WFVA Fredricksburg, VA	1570 1230	WGWY Charlotte, Mi WGY Schenectady, NY	1390 810	WHUT Anderson, IN WHVL Hendersonville, NC	1470 1600	WITZ Jacksonville, TN WIVK Knoxville, TN	1290 850
	WFVR Aurora, IL WFWL Camden, TN WFXI Haines City, FL	1580 1220 930	WGYV Greenville, AL WHA Madison, WI WHAG Haltway.MD	1380 970	WHVN Charlotte, NC WHVR Hanover, PA WHWB Rutland, VT	1310 1280	WIVS Crysyal Lake, IL WIVV Vieques, TN	850 1140
	WFXY Middlesboro, KY WFYC Alma, MI	1560 1280	WHAI Greenfield, MA WHAK RogersCity, Mi	1410 1240 960	WHWH Princeton, NY WHYD Columbus, GA	1000 1350 1270	WIXC Fayetteville, TN WIXE Monroe, NC WIXI Lancaster, KY	1140 1190 1280
	WGAA Cedartown, GA WGAC Augusta, GA	1480 580	WHAL Shelby, TN WHAM Rochester, NY	1400 1180	WHYL Carlisie, PA WHYM Pensacola, FL	960 610	WIXK New Richmond, WI WIXN Dixon, IL	1590 1460
	WGAD Gadsden, AL WGAF Valdosta, GA WGAI Elizabeth City, NC	1350 910 560	WHAP Hopewell, Va WHAR Clarksburg, WV WHAS Louisville, KY	1340 1340 840	WHYN Springfield, MA WHYP North East, PA WHYZ Greenville, SC	560 1530	WIXY East Longmeadow, MA WIXZ McKeesport, PA	1600 1360
	WGAL Lancaster, PA WGAM Dunnellon, FL	1490 920	WHAT Philadelphia, PA WHAV Haverhill, MA	1340 1490	WHZN Hazleton, PA WIAC San Jaun, PR	1070 1300 740	WIYD Palatka, FL WIYN Rome, GA WIZE Springfield, OH	1260 1360 1340
	WGAN Portland, ME WGAP Maryville, TN WGAR Cleveland, OH	560 1400	WHAW Weston, WV WHAZ Troy, NY	960 1330	WIAF Clarksville, GA WIAJ Saltville, WA	1500 1600	WIZM La Crosse, WI WIZO Franklin, TN	1410 1380
	WGAT Gate City, VA WGAU Athens, GA	1220 1050 1340	WHB Kanses City, MO WHBB Selma, AL WHBC Canton, OH	710 1490 1480	WIAM Willamston, NC WIBA Madison, WI WIBB Macon, GA	900 1310 1500	WIZR Johnstown, NY WIZS Henderson, NC WIZY Gordon, GA	930
	WGAY Silver Spring, MD	1340 1050	WHBF Rock Island, IL WHBG Harrisonburg, VA	1270 1360	WIBC Muncle, IN WIBG Ocean City-Somers Po	1070	WIZZ Streator, IL WJAC Johnstown, PA	1560 1250 850
	WGBB Freeport, NY WGBF Evansyllle, IN WGBG Greensboro, NC	1240 1280 1400	WHBL Sheboygan, WI WHBN Harrodaburg, KY	1330 1420	WIBM Jackson, MI	J 1520 1450	WJAG Norfolk, NE WJAM Marion, AL	780 1310
	WGBI Scranton, PA WGBR Goldsboro, NC	910 1150	WHBO Tampa, FL WHBO Memphis, TN WHBU Anderson, IN	1050 560 1240	WIBR Baton Rouge, LA WIBU Poynette, WI WIBV Belleville, IL.	1300 1240 1260	WJAT Swainsboro, GA WJAX Jacksonvile, FL WJAY Mullins, SC	930 1280
	WGCB Red Llon, PA WGCD Chester, SC	1440 1490	WHBY Appleton, WI WHCC Waynesville, NC	1230 1400	WIBW Topeka, KS WIBX Utica, NY	580 950	WJAZ Albany, GA WJBB Haleyville, AL	960 1230
	WGCH Greenwich, CN WGCM Gullport, MS WGDL Lares, PR	1490 1240 1200	WHCO Sparts, IL WHCU Ithaca, NY	1230 870	WICC Bridgeport, CT WICE Providence, RI	600 1290	WJBC Bloomington, IL WJBD Salem, IL	1230 1350
- 1	WGEA Geneva, AL WGEE Green Bay, WI	1150 1360	WHDH Boston, MA WHDL Olean, NY WHDM McKenzie, TN	850 1450 1440	WICH Norwich, CT WICK Scranton, PA WICO Sallabury, MD	1310 1400 1320	WJBE Knoxville, TN WJBL Holland, MI WJBM Jerseyville, IL	1430 1260
	WGEM Quincy, IL WGEN Geneseo, IL	1440 1500	WHEB Portsmouth, NH WHEC Rochester, NY	750 1460	WICY Malone, NY WIDA Carolina, PR	1490 1400	WJBO Baton Rouge, LA WJBT Brockport, NY	1150 1150 1560
	WGET Gettysburg, PA WGEZ Beloit, WI WGFA Watseka, IL	1320 1490 1360	WHEE Martinsville, VA WHEL Knoxville, TZ	1370 1240	WIDD Elizabethton, TN WIDE Biddeford, ME	1520 1400	WJBQ Westbrook-Portland, ME WJBR wilmington, DE	E 1440 1290
	WGFE Morouls, PR WGFP Webster, MA	1580	WHEN Syracuse, NY WHEO Stuart, VA WHEP Foley, AL	620 1270 1310	WIDG St. Ignace, MI WIDU Fayetteville, NC WIFE Indianapolis, IN	940 1600 1310	WJBY Gadsden, AL WJCD Seymour, IN WJCM Sebring, FL	930 1390
	WGFS Covington, GA WGFT Youngstown, OH	1430 1500	WHFB Benton Harbor- St. Joseph, MI	1060	WIEL Elizabethtown, KY WIFF Auburn, IN	1400 1570	WJCW Jackson City, TN WJDA Quincy, MA	960 910 1300
	WGGA Galnesville, GA WGGG Galnesville, FL WGGH Marion, IL	550 1230	WHGI Augusta, GA WHGR Houghton L., Mi	1050 1290	WIFM Elkin, NC WIGG Wiggins, MS	1540 1420	WJDB Thomasville, AL WJDM Elizabeth, NJ	630 1530
	WGGM Marion, IL WGGM Chester, VA WGGO Salamanca, NY	1150 1410 1590	WHHH Warren, OH WHHL Pine Castle- Sky Lake, FL	1190	WIGM Medford, WI WIGS Gouverneur, NY WIIN Atlantic City, NJ	1490 1230	WJDW Corydon, IN WJDW Corydon, IN	1550 1550
	WGH Newport News, VA WGHC Clayton, GA	1310 1570	WHHM Henderson, TN WHHO Hornell, NY	1580 1320	WIKE Iron River, MI WIKE Bogeluss, LA	1450 1230 1490	WJDX Jackson, MS WJDY Sallsbury, MD WJEB Gladwin, Mi	620 1470 1350
	WGHN Grand Haven, MI WGHQ Kingston, NY WGIC Xenia, OH	1370 920	WHHT Lucedale, MI WHHV Hillsville, VA	1440 1400	WIKE Newport, VT WIKY Evansville, IN	1490 820	WJEH Galilpolis, OH WJEJ Hagerstown, MD	990 1240
	WGIC Xenia, OH WGIG Brunswick, GA WGIL Galesburg, IL	1500 1440 1400	WHHY Montgomery, AL WHIC Hardinsburg, KY WHIE Griffin, GA	1440 1520 1320	WIL St. Louis, MO WILA Danville, VA WILD Boston, MA	1430 1580 1090	WJEM Valdosta, GA WJER Dover-New Philadelphia,	
	WGIR Manchester, NH WGIV Charlotte, NC	610 1600	WHII Bay Springs, MS WHIM Providence, RI	1570 1110	WILE Cambridge, OH WILI Willimantio, CT	1270 1400	WJES Johnston, SC WJET Erie, PA	1450 1190 1400
	WGKA Atlanta, GA	1190	WHIN Gallatin, TN	1010	WILK Wilkes-Barre, PA	980	WJFC Jefferson City, TN	1480

					0.5.	AIVI	STATION	3 51	OALL LLIII	
Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call Location	kHz
WJFL	Vicksburg, MS	1490	WKDZ	Cadiz, KY	1110	WKXW	Trenton, NJ	1260	WLS Chicago, IL	890
WJH	O Opelika, AL Salem, NJ	1400 1510		Scottsboro, AL Scottsboro, AL	1330 1330		Sarasota, FL Oklahoma City, OK	930 930	WLSB Copper Hill, TN WLSC Loris, SC	1400 1570
WJIK	CampLejeune, NC	1580	WKED	Frankfort, KY	1130	WKYB	Hemingway, SC	1000	WLSD Big Stone Gap, VA WLSE Wallace, NC	1220 1400
	Jacksonville, IL A Lansing, MI	1550 1240		Washington, PA Kewanee, IL	1110 1450		Andalusia, AL Bristol, TN	920 1550	WLSH Lansford, PA	1410
WJIT	New York, NY	1480	WKEM	Immokalee, FL	1490	WKYG	Parkersburg, WV	1230 1540	WLSI Pikeville, KY WLSM Louisville, MS	900 1270
	C Commerce, GA D Chicago, IL	1270 1160		Pompton Lakes, NJ	1600 1500	WKYC	Burnsville, NC Caro, MI	1360	WLSN Lebanon, TN	1600
MJJ	J Christiansburg, VA	1260	WKEU	Griffin, GA	1450 1430		Burkesville, KY Paducah, KY	940 570	WLSQ Montgomery, AL WLSV Wellesville, NY	950 790
	(Eau Claire, Wi L Niagara Falls, NY	1400 1440	WKEY	Blacksburg, VA Covington, VA	1340	WKYY	Amherst, VA	1420	WLTC Gastonia, NC	1370 1370
	M Lewisburg, TN Q Tomahawk, Wi	1490 810	WKFE	Yauco, PR Wilmington, OH	1550 1090		Kane, PA Orleans, MS	960 1170	WLTM Gary, IN WLTM Franklin, NC	1480
WJJ	T Jellico, TN	1540	WKGN	Smithfield, VA	940	WKZ	Casey, IL Kalamazoo, Mi	800 590	WLTN Littleton, NH WLUV Loves Park, IL	1400 1520
MIN	Z Mt. Holly, NJ M Hartsville, TN	1460 1090		Knoxville, TN Lenoir, NC	1340 1080	WLAB	St. Pauls, NC	1060	WLUX Baton Rouge, LA	1550
M1K.	Y Jamestown, KY	1060		Holly Hill, SC Jackson, Mi	1440 970		Nashville, TN Danbury, CT	1510 800	WLUZ Bayamon, PR WLVA Lynchburg, VA	1600 590
	B Detroit, Mi D Feirlield, AL	1400	WKIC	Hazard, KY	1390	WLAF	LaFollette, TN	1450	WLVC Ft. Kent, ME WLVL Lockport, NY	1340 1340
	E Smithville, TN J Tupelo, MS	1480 1060		Richmond, VA Glennville, GA	1540 1580	WLAN	i La Grange, GA I Lewiston, ME	1240 1470	WLVN Luverne, AL	1080
WJLI	K Asbury Park, NJ	1310	WKIK	Leonardtown, MD	1370 1320	WLAN	Lancaster, PA Lexington, KY	1390 630	WLW Cincinnati, OH WLWL Rockingham, NC	700 1500
	S Beckley, WV IA Orange, VA	560 1340		Kingsport, TN Poughkeepsie, NY	1450	WLAC	Rome, GA	1410	* WLWO (V.O.A.)	1180
·WJM	B Brookhaven, MS IC Rice Lake, Wi	1340 1240	MKIS	Orlando, FL Raleigh, NC	740 850	WLAS	Athens, TN Jacksonville, NC	1450 910	Marathon, FL WLYC Williamsport, PA	1050
WJM	IL Petoskey, MI	1140	WKIZ	Key West, FL	1500	WLAT	Conway, SC Laurel, MS	1330 1430	WLYV Ft. Wayne, IN WMAC Netter, GA	1450 1360
	O Cleveland Heights, OH O Norfolk, MA	1170	WKJJ	Mayaguez, PR Louisville, KY	710 1080	WLAV	V Lawrenceville, GA	1360	WMAF Madison, FL	1230
WJM	IS Ironwood, MI	590 730	WKJK	Granite Falls, NC Muskegon Heights, MI	900 1520		/ Muscle Shoals, AL Gainesville, GA	1450 1130	WMAG Forest, MI WMAJ State College, PA	860 1450
WJM	IT Merrill, Wi IW Athens, AL	730	WKKN	Rockford, IL	1150	WLBE	Carrollton, GA	1100	WMAK Nashville, TN WMAL Washington, DC	1300 630
	IX Florence, SC IC Jacksonville, NC	970 1240	WKKC	Hibbing, MN Evansville, IN	1060 1330	WLBE	Muncle, IN Leesburg, FL	1340 790	WMAM Peshtigo, WI	570
WJN	IJ Atlantic Beach, FL	1600	WKKS	Vanceburg, KY DeLand, FL	1570 1310	WLBC	Laurens, SC Mattoon, IL	860 1170	WMAN Mansfield, OH WMAP Monroe, NC	1400 1060
WJN	IL Johnstown, PA IO West Palm Beach, FL	1490 1230	WKLA	Ludington, MI	1450	WLBI	Denham Springs, LA	1220	WMAQ Chicago, IL	870 1450
WJN	IP North Pole, AR OB Hammond, IN	1170 1230	WKLE	St. Albans, WV Clanton, AL	1300 980	WLB	l Bo <mark>wling Green, KY</mark> (DeKalb-Sycamore, II	1410 L 1360	WMAS Springileid, MA WMAX Grand Rapids, Mi	1480
MJC	DE Port St. Joe, FL	1080	WKLK	Cloquet, MN	1230 980	WLBL	Auburndale, WI Lebanon, KY	930 1590	WMAY Springfield, IL WMAZ Macon, GA	970 940
MIC	OL Jollet, IL ON St. Cloud, MN	1340 1240	WKLO	Danville, KY	1000	WLBC	Morgantown, KY	1570	WMBA Ambridge, PA WMBC Columbus, MS	1460 1400
MIC	OR South Haven, MI OT Lake City, SC	940 1260	WKLS	Keyser, VA Atlanta, GA	1390 970	WLB:	R Lebanon, PA S Centreville, MS	1270 1580	WMBD Peorla, IL	1470
Mac	OY Burlington, VT	1230	WKLV	Blackstone, VA	1440 980	WLB	Z B <mark>angor, ME</mark> B Buffalo-Hodgenville,	620 KY 1430	WMBH Joplin, MO WMBI Chicago, IL	1450 1110
WJP	PA Washington, PA PC Chicago, IL	1450 950	WKME	Hartwell, GA Stirling, NJ	1070	WLC	(Scottsville, KY	1250	WMBN Petoskey, MI WMBO Auburn, NY	1340 1340
WJP	J Huntingdon, TN W Rockford, Mi	1530 810	WKM	Roaring Spring, PA Flint, Mi	1370 1470		M Lancaster, SC N Laurensburg, NC	1360 1300	WMBS Uniontown, PA	590
Mac	S Jackson, MS	1400	WKM	Newberry, SC Kalamazoo, MI	1520 1360		O Eustis, FL S Baton Rouge, LA	1240 910	WMST Shenandoah, PA WMC Memphis, TN	1530 790
WJR	R Detroit, MI RB Madison, TN	760 1430	WKMI	(Blountstown, FL	1000	WLC:	X LaCrosse, WI	1490	WMCA New York, NY WMCH Church Hill, TN	570 1260
	RC Joliet, IL RD Tuscaloosa, AL	1510 1150		Kings Mtn, NC Windsor, CN	1220 1480	WLD	y SL Petersburg, FL M Westfield, MÅ	1380 1570	WMCL McLeansboro, IL	1060
WJF	I Lenoir, NC	1340	WKNE	Keene, NH Tallapoosa, GA	1290 1060	WLD	S Jacksonville, IL Y Ladysmith, Wi	1180 1340	WMCP Columbia, TN WMCR Oneida, NY	1280 1600
WJF	RL Calhoun City, MS RM Troy, NC	1530 1390	WKNE	Battle Creek, MI	1400	WLE	A Hornell, NY	1480	WMCS Machias, ME WMCT Mountain City, TN	1400 1390
	RO Gien Burnie, MD SA Jersey Shore, PA	1590 1600		Kent, OH Saginaw, Mi	1520 1210	WLE	E Richmond, VA C Sandusky, OH	1480 1450	WMCW Harvard, IL	1600
WJS	SB Crestview, FL	1050 1110	WKNY	Kingston, NY Hopkinsville, KY	1490 1480	WLE.	J Ellijay, GA M Emporlum, PA	1560 1240	WMDC Hazelhurst, MS WMDD Fajardo, PR	1220 1480
WJS	SM Martinsburg, PA SO Jonesboro, TN	1590	WKO	(Sunbury, PA	1070	WLE:	S Lawrenceville, VA	580 1420	WMDJ Martin, KY WMEK Chase City, VA	1440 980
	ST Jupiter, FL TH Calhoun, GA	900	WKO	Amsterdam, NY Binghampton, NY	1570 1360	WLE	T Topoca, GA W Bad Axe, MI	1340	WMEL Meibourne, FL	920
WJT	IN Jamestown, NY TO Bath, ME	1240 730		Starkville, MS Weilston, OH	980 1330		Y Cayey, PR A Lafayette, GA	1080 1590	WMEN Tallahassee, FL WMES Ashburn, GA	1330 1570
WJ1	TP Newland, NC	1130	WKO:	(Framingham, MA / Bluefield, WV	1190 1240	WLF	H Little Falls, NY M Lynchburg, VA	1230 1320	WMEV Marion, VA WMFC Monroeville, AL	1010 1360
WJ/	UN Mexico, PA VA South Bend, IN	1220 1580	WKO:	Z Kosciusko, MS	1340	WLG	N Logan, OH	1510 1190	WMFD Wilmington, NC WMFG Hibbing, MN	6730 1240
	W Cleveland, OH WD Lebanon, PA	850 940	WKP	New Kensington, PA Port Gibson, MS	1150 1320	WLIC	New York, NY Adamsville, TN	1540	WMFJ Daytona Beach, FL	1450 1090
WJ/	WL Georgetown, DE WS South Hill, VA	900 1370		Prentiss, MS Pittsburgh, PA	1510 1320	WLIN	Shelbyville, TN Newport, TN	1580 1270	WMFL Monticello, FL WMFR High Point, NC	1230
	KL Jacksonville, AL	810	WKPF	Kalamazoo, Mi	1420	WLIL	Lenoir City, TN	730 1050	WMGA Moultrie, GA WMGO Canton, MS	1130 1370
	KN Jackson, MS KY Conway, SC	1450	WKO	Kingsport, TN E Tallahassee, FL	1410	WLIS	Old Saybrook, CT	1420	WMGR Bainbridge, GA	930
WJ	YM Bowling Green, OH ZA Harriman, TN	730 1600	MKO.	T Garyville, LA A Holly Springs, MS	1010 1110		Steubenville, OH Livingston, TN	950 920	WMGW Meadville, PA WMGY Montgomery, AL	1490 800
WJZ	ZM Clarkesville, TN .	1400	WKR	C Cincinnati, OH	550	WIII	I lello NV	540	WMIA Arecibo, PR WMIB Marco Island, FL	1070 1510
WK	Al McComb, IL AL Saratoga Springs, NY	1510 900	WKR	Mobile, AL West Warwick, Ri	710 1450	WLK	Lake Worth, FL E Waupun, Wi	1380 1170	WMIC Sandusky, MI	1560
WK	AJ Rome, NY	1450	WKR	Murphy, NC Columbia, TN	1320 1340	WLK	K Erle, PA M Three Rivers, Mi	1260 1510	WMID Atlantic City, NJ WMIK Middlesboro, KY	1340 560
WK	AM Goshen, IN AN Kankakee, IL	1460 1320	WKR	Calro, IL	1490	WLK	N Lincoln, ME	1450	WMIM Mt. Carmel, PA WMIN Maplewood, MN	1590 1010
	AO Boynton Beach, FL AP Allentown, PA	1510 1320	WKR!	Dallas, GA S Waukegan, IL	1500 1220	WLK	R Norwalk, OH S West Liberty, KY	1510 1450	WMIQ fron Mountain, MI	1450
WK	AQ San Juan, PR	580 870	WKR'	Cortiand, NY W Cartersville, GA	920 1270		W Providence, RI H Lowell, MA	990 1400	WMIR Lake Geneva, WI WMIS Natchez, MS	1550 1240
WK	AR East Lansing, MI AT Miami Beach, FL	1360	WKR	Z OII City, PA	1340	WLL	L Lynchburg, VA	930	WMIX Mt. Vernon, IL WMJK Kissimmee, FL	940 1220
	AU Kaukanna, WI AX Russellville, AL	1050 1500	WKSI	Kershaw, SC Huntington, WV	1300 1470	WLL	N Lillington, NC S Hartford, KY	1370 1600	WMJL Marlon, KY	1500
WK	AY Glasgow, KY AZ Charleston, WV	1490 950	WKS.	Prichard, AL West Jefferson, NC	1270 1600	WLL	Y Wilson, NC IS Leominster, MA	1350 1000	WMJM Cordele, GA WMKR Millinocket, ME	1490 1240
WK	BA Vinton, VA	1550	WKS	Jamestown, NY	1340	WLN	C Laurinburg, NC	1300 1280	WMLB West Hartford, CT WMLC Monticello, MS	1550 1270
WK	BC N. Wilkesboro, NC BI St. Marys, PA	810 1400	WKSI	Ningstree, SC Pulaski, TN	1090 1420	WLN	IJ Jackson, ÖH IA Peekskiii, NY	1420	WMLM St. Louis, Mi	1540
WK	BJ Milan, TN	1600 1220	WKS.	New Castle, PA	1280 1090	WLN	IC Laurinburg, NC IG Sag Harbor, NY	1300 1600	WMLP Milton, PA WMLR Hohenwald, TN	1380 1230
WK	BK Keene, NH BL Covington, TN	1250	WKT	G Thomasville, GA	730	WLN	H Laconia, NH B Portland, ME	1350 1310	WMRS Sylacauga, AL WMLT Dublin, GA	1290 1330
WK	BN Youngstown, OH BO Harrisburg, PA	570 1230	WKT	Farmington, ME Sheboygan, Wi	1380 950	WLC	C Munfordville, KY	1150	WMM8 Melbourne, FL	1240 1460
WK	BQ Garner, NC BR Manchester, NH	1000 1250	WKT	La Crosse, WI Alken, SC	580 1300	WLC	E Eden, NC F Orlando, FL	1490 950	WMMH Marshall, NC WMMM Westport, CT	1260
WK	BV Richmond, IN	1490	WKT	Z Jacksonville, FL L Cullman, AL	1220 1340	WLC	G Logan, WV	1230 1540	WMMN Fairmont, WV WMMW Meriden, CT	920 1470
WK	BW Buffalo, NY BX Savannah, GA	1520 630	WKU	N Monroe, GA	1580	WLC	K Memphis, TN	1340 1050	WMNA Gretna, VA WMNB No. Adams, MA	730 1230
WK	BY Chatham, VA BZ Muskegon, Mi	1080 850	WKV	A Lewistown, PA E Cave City, KY	920 800	WLC	N Lincolnton, NC P Jesup, GA	1370	WMNC Morganton, NC	1430
WK	CB Hindman, KY CK Orocovis, PR	1340 1470	WKV	Knox, IN L Clarksville, TN	1520 1550	WLC	OR Thomasville, GA	730 1350	WMNE Menomonie, WI WMNI Columbus, OH	1360 920
WK	CM Hawesville, KY	1140	WKV	M San Juan, PR	810	WLC	V Washington, GA	1370 1490	WMNS Olean, NY WMNT Manati, PR	1360 1500
WK	CT Bowling Green, KY CU Corinth, MS	930 1350	WKV	Q Knoxville, TN T Brattleboro, VT	1490 1490	WLF	A Lancaster, PA	1490	WMNZ Montezuma, GA	1050 1490
WK	CW Warrenton, VA CY Harrisonburg, VA	1420 1300	WKW	F Key West, FL K Wheeling, WV	1600 1400	WLF	PH Irondale, AL PO LaSalle, IL	1480 1220	WMOA Marietta, OH WMOB Mobile, AL	840
WK	(DA Nashville, TN	1240	WKW	L Florala, ÅL M Kentwood, MI	1230 1140	WLF	PQ Pittsburg, KY PS Leighton, PA	1600 1150	WMOC Chattanooga, TN WMOG Brunswick, GA	1450 1490
WK	(DC Elmhurst, IL (DE Altavista, VA	1530 1000	WKX	A Brunswick, ME	900	WLC	OB Flint, MI	1570 940	WMOH Hamilton, OH WMOK Metropolis, IL	1450 920
WK	(DK Newberry, SC (DO Liberty, KY	1240 1560	WKX	L Concord, NH	1300 1450	WLI	C Detroit, Mi Hollywood, FL	1500	WMON Montgomery, WV	1340
WK	DR Plattsburgh, NY DW Staunton, VA	1070 900	WKX	O Berea, KY Q Reidsville, NC	1500 1600	WLO	Y Hollywood, FL O Lorain, OH	1320 1380e	WMOO Mobile, AL WMOP Ocala, FL	1550 900
WK	DX Hamlet, NC	1250	WKX	R Exeter, NH V Knoxville, TN	1540 900	WLF	RO Whitehall, MI RV Lebanon, VA	1490 1380	WMOR Morehead, KY WMOU Berlin, NH	1330
WK	(DY Spartanburg, NC	1400	1 WKX	· ····································	300	1 44		.500	1	

U.S. AM ST	ATIO	NS BY CALL	LET	TERS			
Call Location	kHz	Call Location	kHz	Call Location	kHz	Call Location	kHz
WMOV Ravenswood, WV	1360	WNPT Tuscaloosa, AL	1280	WPDQ Jacksonville, FL	1460	WQYK Tampa, FL	1110
WMOX Meridian, MS	1010	WNPV Lansdale, PA	1440	WPDR Portage, WI	1350	WHAA Luray, VA	1330
WMPA Aberdeen, MS	1240	WNRE Circleville, OH	1540	WPDX Clarksburg, WV	750	WRAB Arab, AL	1380
WMPC Lapeer, MI WMPL Hancock, MI	1230 920	WNRG Grundy, VA WNRI Woonsocket, RI	940 1380	WPED Crozet, VA WPEH Louisville, GA	810	WRAD Radford, VA WRAG Carrollton, AL	1460
WMPM Smithfield, NC	1270	WNRJ Gainesville, GA	1130	WPEL Montrose, PA	1420 1250	WRAI San Juan, PR	590 1520
WMPO Middleport-Pomeroy,		WNRK Newark, DE	1260	WPEN Philadelphia, PA	950	WRAJ Anna, IL	1440
OH		WNRS Saline, MI	1290	WPEO Peoria, IL	1020	WRAK Williamsport, PA	1400
WMPP Chicago Heights, IL	1470	WNRV Narrows-Pearlsburg,	1360	WPEP Taunton, MA	1570	WRAM Monmouth, IL	1330
WMPS Memphis, TN	680	WNSR Lynn, MA		WPET Greensboro, NC	950	WRAN Dover, NJ	1510
WMPT S. Williamsport, PA	1450	WNST Milton, WV	1600	WPFA Pensacola, FL	790	WRAP Nortolk, VA	850
WMPX Midland, MI	1490	WNTN Newton, MA	1550	WPFB Middletown, OH	910	WRAQ Asheville, NC	1380
WMQM Memphis, TN	1480	WNTS Beech Grove, IN WNTT Tazewell, TN	1590	WPGA Perry GA	980	WRAR Tappahannock, VA	1000
WMRB Greenville, SC	1490		1250	WPGC Morningside, MD	1580	WRAW Reading, PA	1340
WMRC Milford, MA	1490	WNTY SouthIngton, CT	990	WPGM Danville, PA	1570	WRAY Princeton, IN	1250
WMRE Monroe, GA	1490	WNUE Ft. Walton Beach, FL		WPGW Portland, IN	1440	WRBA Normal, IL	1440
WMRF Lewistown, PA	1490	WNUS West Springfield, MA	1490	WPHB Phillipsburg, PA	1260	WRBD Pompano Beach, FL	1470
WMRL Portland, TN	1000	WNUZ Tailedega, AL	1230	WPHC Waverty, TN	1060	WRBE Lucedale, MS	
WMRK Selma, AL WMRN Marion, OH	1340 1490	WNVA Norton, VA WNVL Nicholasville, KY	1350	WPHM Port Huron, MI WPIC Sharon, PA	1380 790	WRBJ St. Johns, MI	1580
WMRO Aurora, IL WMSA Massena, NY	1280 1340	WNVR Naugatuck, CT WNVY Penascola, FL	1250 1380	WPID Pledmont, AL	1290	WRBN Warner Robins, GA/ WRBX Chapel Hill, NC	1600 1530
WMSG Oakland, MD WMSK Morganfield, KY	1050	WNWI Valparaiso, IN	1230 1080	WPIP Pompano Beach, FL WPIT Pittsburgh, PA	730	WRC Washington, DC WRCD Dalton, GA	980 1430
WMSL Decatur, AL	1550	WNWS South Miami, FL	790	WPJL Raleigh, NC	1240	WRCG Columbus, GA	1420
	1400	WNXT Portsmouth, OH	1260	WPKE Pikeville, KY	1240	WRCN Riverhead, NY	1570
WMSO Collierville, TN	1220	WNYC New York, NY	830	WPKX Alexandria, VA	730	WRCO Richland Center, WI	1450
WMSR Manchester, TN	1320	WNYG Babylon, NY	1440	WPKY Princeton, KY	1580	WRCP Philadelphia, PA	1540
WMST Mt. Slerling, KY	1150	WNYN Canton, OH	900	WPKZ Pickens, SC	1540	WRCQ New Britain, CT	910
WMSW Hatilio, PR	1120	WNYR Rochester, NY	680	WPLA Plant City, FL	910	WRCS Ahoskie, NC	970
WMT Cedar Rapids, IA WMTA Central City, KY	1380	WOAI San Antonio, TX WOAP Owosso, MI	1200	WPLB Greenville, MI WPLK rockmart, GA	1380 1220	WRDB Reedsburg, WI WRDC Cleveland, MS	1400
WMTC Vancleve, KY	730	WOAY Oak HIII, WV	860	WPLM Plymouth, MA	1390	WRDD Bay City, MI	1440
WMTD Hinton, WV	1380	WOBL Oberlin, OH	1570	WPLO Atlanta, GA	590	WRDI Hammonton, NY	1580
WMTE Manistee, MI	1340	WOBR Wanchese, NC	1530	WPLP Pinellas Park, FL	570	WRDN Durnad, WI	1430
WMTL Lettchfleid, KY	1580	WORS New Albany, IN	1570	WPLW Carnegle, PA	1590	WRDO Augusta, ME	1400
WMTM Moultrie, GA WMTN Morristown, TN	1300	WOBT Rhinelander, WI WOCH North Vernon, IN	1240	WPLY Plymouth, WI	1420	WRDW Augusta, GA	1480
WMTR Morristown, NJ WMTS Murtreesboro, TN	1250	WOCN Miami, FL	1460 1450	WPMB Vandalla, IL WPME Punxautawney, PA	1500 1540	WREA Dayton, TN WREB Holyoke, MA	1520 930
WMTY Greenwood, SC	810	WOCO Oconto, WI	1260	WPMH Portsmouth, VA	1010	WREC Memphis, TN	600
	1090	WODI Brooknesi, VA	1230	WPMP Pascagoula, MS	1580	WRED Monroe, GA	1490
WMUF Paris, TN	1000	WODY Bassett, VA	900	WPNC Plymouth, NC	1470	WREL Lexington, VA	1450
WMUS Muskegon, MI		WOFE Rockwood, TN	580	WPNF Brevard, NC	1240	WREM Jenkins, KY	1000
WMUU Greenville, SC	1260	WOHO E. Liverpool, OH	1490	WPNH Plymouth, NH	1300	WREN Topeka, KS	1250
WMVA Martinville, VA	1450	WOHN Herndon, VA	1440	WPNX Phenix City, AL	1460	WREO Ashtabula, OH	970
WMVG Milledgeville, GA	1450	WOHO Toledo, OH	1470	WPOE Greenfield, MA	1520	WREV Reidsville, NC WREY Millville, NJ	1220
WMVO Mt. Vernon, OH	1300	WOHS Shelby, NC	730	WPOK Pontlac, MI	1460		1440
WMVR Sydney, OH	1080	WOI Ames, IA	640	WPOM Rivera Beach, FL	1600	WRFC Athens, GA	960
WMVB Myrtle Beach, SC	1450	WOIC Columbia, SC	1320	WPON Pontiac, MI	1460	WRFD Worthington, OH	880
WMYD Wickford, RI	1370	WOIO Canton, OH	1060	WPOP Newington, CT	1410	WRFS Alexander City, AL	1050
WMYN Meyodan, NC		WOKA Douglas, GA	1310	WPOR Portland, ME	1490	WRGA Rome, GA	1470
WMYQ Newton, MA	1410	WOKB Winter Garden, FL	1600	WPOW New York, NY	1330	WRGC Sylva, NC	860
WMYR Ft. Myers, FL		WOKC Okeechobee, FL	1570	WPPA Pottsville, PA	1360	WRGS Rogersville, TN	1370
WNAB Bridgeport, CT WNAD Norman, OK	1450 640	WOKE Charleston, SC WOKJ Jackson, MS	1340 1550	WPPC Penuelas, PR WPPI Carrollton, GA	1330	WRHC Coral Gables, FL	1550
WNAE Warren, PA WNAG Granada, MS	1310 1400	WOKK Meridian, MS	910	WPQZ Clarksburg, WV	1330 1400	WRHI Rock Hill, SC WRHL Rochelle, IL	1340 1060
WNAH Nashville, TN	1360	WOKL Eau Claire, WI	1050	WPRA Mayaguez, PR	990	WRIB Providence, RI	1220
WNAK Nanticoke, PA		WOKO Albany, NY	1460	WPRC Lincoln, IL	1370	WRIC Richlands, VA	540
WNAM Neenah, WI	730 1280	WOKS Columbia, GA WOKW Brockton, MA	1340 1410	WPRE Prairie Du Chien, WI WPRN Butler, AL	1240	WRIE Erie, PA WRIG Wausau, WI	1330 1400
WNAR Norristown, PA	1110	WOKX High Point, NC	1590	WPRO Providence, RI	630	WRIM Pahokee, FL	1250
WNAT Natchez, MS	1450	WOKY Milwaukee, WI	920	WPRP Ponce, PR	910	WRIN Rensselaer, IN	1560
WNAV Annapolls, MD	1470	WOKZ Alton, IL	1570	WPRS Paris, IL	1440	WRIP Rossville, GA	980
	1430	WOL Washington, DC	1450	WPRT Prestonsburg, KY	960	WRIS Rosnoke, VA	1410
WNAX Yankton, SD	570	WOLD Marion, VA	1330	WPRW Manassas, VA	1460	WRIV Riverhead, NY	1390
WNBC New York, NY	660	WOLF Syracuse, NY	1490	WPRY Perry, FL	1400	WRJC Maunston, WI	1270
WNBF Binghampton, NY	1290	WOLS Florence, SC	1230	WPRZ Evanston, IL	1330	WRJN Racine WI	1400
WNBG Waynesboro, TN	1480	WOMI Owensboro, KY	1490	WPTB Statesboro, GA	850	WRJW Picayune, MS	1320
WNBH New Bedford, MA	1340	WOMN Hamden, CT	1220	WPTF Raleigh, NC	920	WRJZ Knoxville, TN	620
WNBI Park Falls, WI	980	WOMP Bellaire, OH	1290	WPTL Canton, NC		WRKB Kannapolis, NC	1460
WNBP Newburyport, MA	1470	WOMT Manitowoc, WI	1240	WPTN Cookeville, TN	1550	WRKD Rockland, ME	1450
WNBS Murray, KY		WONA Winona, MS	1570	WPTR Albany, NY	1540	WRKL New City, NY	910
WNBT Wellsboro, PA	1490	WOND Pleasantville, NJ	1400	WPTW Piqua, OH	1570	WRKM Carthage, TN	1350
WNBY Newberry, MI	1450	WONE Dayton, OH	980	WPTX Lexington Park, MD	920	WRKN Brandon, MS	910
WNBZ Saranac Lake, NY	1240	WONN Lakeland, FL	1230	WPUB Camden, SC	1130	WRKO Boston, MA	680
WNCA Siler City, NC	1570	WONW Deflance, OH	1280	WPUL Bartow, FL	1130	WRKT Cocoa Beach, FL	1300
WNCC Barnesboro, PA	950	WONX Evanston, IL	1590	WPUT Brewster, NY	1510	WRKV Rockville, CT	800
WNCG North Charleston, SC	910	WOOD Grand Rapids, MI	1300	WPUV Pulaski, VA	1580	WRLD Lanett, AL	
WNCO Ashland, OH WNCT Greenville, NC	1340	WOOF Dothan, AL WOOW Greenville, NC	560 1340	WPVA Colonial Heights, VA WPVL Painesville, OH	1290 1460	WRLV Salversville, KY WRMF Titusville, FL	1490 1140
WNDB Daytona Beach, FL WNDE Indianapolis, IN	1150 1260	WOOZ Whiteville, NC WOPA Oak Park, IL	1540 1490	WPWC Quantico, VA WPXC Prattville, AL	1530	WRMG Red Bay, AL	1060 1430
WND1 Sullivan, IN WNDR Syracuse, NY	1550 1260	WOPI Bristol, TN WOPP Opp, AL	1490	WPXE Starke, FL	1410 1490	WRML Portage, PA WRMN Eighn, IL	1470 1410
WNDU South Bend, IN	1490	WOR New York, NY	1260	WPXN Rochester, NY	1280	WRMS Beardstown, IL	790
WNEA Newnan, GA	1300		710	WPXY Greenville, NC	1550	WRMT Rocky Mount, NC	1490
WNEB Worcester, MA	1230	WORA Mayaquez, PR WORC Worcester, MA	760 1310	WPYS Benson, NC WPYK Dora, AL	1130 1010	WRMV Herkimer, NY WRNA China Grove, NC	1420 1140
WNEG Taccos, GA	630	WORD Spartanburg, SC	910	WQAM Miami, FL	560	WRNB New Bern, NC	1490
WNEL Cagues, PR	1430	WORG Orangeburg, SC	1580	WQBA Miami, FL	560	WRNG N. Atlanta, GA	680
WNER Live Oak, FL WNES Central City, KY	1250 1050	WORL Orlando, FL	1550 1270	WQBC Vicksburg, MS WQBK Rensselaer, NY	1300	WRNJ Hackettstown, NY WRNL Richmond, VA	1000 910
WNEU Wheeling, WV	1130	WORM Savannah, TN	1010	WQBS San Juan, PR	630	WRNN Clare, Mi	990
WNEW New York, NY		WORV Hattlesburg, MS	1580	WQBX Blacksburg, VA	710	WRNR Martinsburg, WV	740
WNEX Macon, GA	1400	WORX Madison, IN	1270	WQCK Warner Robins, GA	1600	WRNY Rome, NY WROA Gulfport-Biloxi, MS	1350
WNFL Green Bay, WI	1440	WOSC Fulton, NY	1300	WQDE Albany, GA	1250		1390
WNGA Nashville, GA	1600	WOSO San Juan, PR	1030	WQDI Homestead, FL	1430	WROB West Point, MS	1450
WNGO Mayfield, KY	1320	WOSU Columbus, OH	820	WQDY Calais, ME	1230	WROD Daytona Beach, FL	1340
WNHC New Haven, CT WNHB White River Jct., VT	1340 910	WOTT Watertown, NY WOUB Athens, OH	1410 1340	WQHC Fort Wayne, IN WQIC Meridian, MS	1380 1450	WROK Rockford, IL WROL Boston, MA	1440 950
WNIC Dearborn, Mi	1310	WOW Omaha, NE	590	WQII San Juan, PR	1140	WROM Rome , GA	710
WNIK Arecibo, PR	1230	WOWO Ft. Wayne, IN	1190	WQIK Jacksonville, FL	1090	WRON Ronceverte, WV	1400
WNIL Niles, MI	1290	WOYL Oil City, PA	1340	WQIN Lykens, PA	1290	WROS Jacksonville, FL	1090
WNIO Niles, OH	1540	WOZK Ozark, AL	900	WQIO Canton, OH	1060	WROV Rosnoke, VA	1240
WNIX Greenville, MS	1330	WOZN Jacksonville, FL	970	WQIQ Chester-Aston, PA	1590	WROW Albany, NY	590
WNIS Portsmouth, VA	1350	WPAB Ponce, PR	550	WQIS Laurel, MS	1260	WROX Clarksdale, MA	1450
WNJR Newark, NJ WNKY Neon, KY	1430 1480	WPAD Paducah, KY WPAG Ann Arbor, MI	1450 1050	WQIZ St. George, SC WQKI St. Matthews, SC	810	WROY Carmi, IL	1460
WNLB Rocky Mount, VA WNLC New London, CT	1290 1510	WPAK Farmville, VA WPAL Charleston, SC	1490	WQMA Marks, MS	710 1520	WROZ Evansville, IN WRPL Charlotte, NC	1400 1540
WNLK Norwalk, CT	1350	WPAM Pottsville, PA	730 1450	WQMR Skowhegan ME WQOK Greenville, SC	1150 1440	WRPM Poplarville, MS WRRA Fredericksted, VI	1530 1290
WNMT Garden City, GA	1520	WPAR Parkersburg, WV	740	WQPD Lakeland, FL	1430	WRRD Minneapoils, MN	1330
WNNC Newton, NC	1230		1450	WQPM Princeton, MN	1300	WRRL Raineele, WV	1130
WNNJ Newton, NJ	1360	WPAS Zephryhilis, FL	1400	WQQT Savannah, GA	1450	WRRR Rockford, IL	1330
WNNO Wisconsin Delis, WI	990	WPAT Paterson, NY	930	WQQW Waterbury, CT	1590	WRRZ Clinton, NC	880
WNNR Brookline, MA WNNR New Orleans, LA	1600 990	WPAY Portsmouth, OH	1240 1400	WQRB Burlington-Graham, WQRO Huntingdon, PA	1080	WRSC State College, PA WRSG Sylvester, GA	1390 1540
WNNT Warsaw, VA	690	WPAZ Pottstown, PA	1370	WQSA Sarasota, FL	1220	WRSJ Bayamon, PR	1560
WNOE New Orleans, LA	1060	WPBR Palm Beach, FL	1340	WQSN Charleston, SC	1450	WRSL Stanford, KY	1520
WNOG Naples, FL	1270	WPCC Clinton, SC	1410	WQTW Latrobe, PA	1570	WRSM Sumiton, AL	1190
WNOO Chattanooga, TN	1260	WPCE Portsmouth, VA	1400	WQUA Moline, IL	1230	WRSW Warsaw, IN	1480
WNOP Newport, KY WNOR Norfolk, VA	740	WPCF Panama City, FL	1290	WQXO Munising, MI	1400	WRTA Altoona, PA	1240
	1230	WPCN Mount Pocono, PA	960	WQXI Atlanta, GA	790	WRTH Wood River, IL	590
WNOV Milwaukee, WI	860	WPCY Mobile, AL	1590	WQXL Columbia, SC	1470	WRTL Rantoul, IL	1460
WNOW York, PA	1250		1360	WQZQ Jackson, TN	1460	WRTR Two Rivers, WI	1590
WNOX Knoxville, TN	990	WPDC Elizabethtown, PA	1600	WZXR New York, NY	1560	WRTT Vernon, CT	1170
WNPC Newport, TN	1060	WPDM Potsdam, NY	1470	WQXZ Taylorsville, NC	860	WRUA Monroeville, PA	1510

Call Location I	kHz	Call Location	kHz	Call Location ki	Hz	Call Location	kH
VRUE Gainesville, FL VRUM Rumford, ME	850 790	WSPD Toledo, OH WSPF Hickory, NC	1370 1000	WTON Staunton, VA WTOO Bellefontaine, OH	1240 1390	WVOW Logan, WV WVOX New Rochelle, NY	129 146
	1150 610	WSPR Springfield, MA WSRC Durham, NC	1270 1410	WTOP Washington, DC WTOT Marlanna, FL	1500 980	WVOY Charlesvolx, MI WVPO Stroudsburg, PA	127
RVA Richmond, VA	1140	WSRF Fort Lauderdale, FL	1580	WTOW Towson, MD	1570	WVRC Spencer, WV	140
VRVK Mt. Vernon, KY VRWD Augusta, GA	1460 1480	WSRG Elkton, KY WSRO Marlboro, MA	1070 1470	WTOY Roanoke, VA WTPR Parls, TN	910 710	WVSA Vernon, AL WVSE Somerset, PA	138
VRWH Cleveland, GA VRXB St. Peterside Beach, FL	1380 1590	WSRW Hillsboro, OH WSSA College, Park, GA	1590 1570	WTQX Selma, AL WTRB Ripley, TN	1570 1570	WVSI Jupiter, FL WVSM Rainsville, AL	100 150
VRXO Roxboro, NC	1430 1530	WSSC Sumter, SC WSSJ Camden, NJ	1340 1310	WTRC Elkhart, IN WTRE Greensburg, IN	1340 1330	WVUV Leone, AM Somoa WVVW Grafton, WV	112 126
RYM New Britain, CT	840	WSSL Centerville, MS	1500	WTRI Brunswick, MD	1520	WVWI Charlotte Amalle, VI	100 133
RZK North Augusta, SC SAC Fort Knox, KY	1600 1470	WSSO Starkville, MS WSST Largo, FL	1230 800	WTRJ Troy, OH WTRL Bradenton, FL	1510 1490	WWAB Lakeland, FL WWAM Cadillac, MI	137
SAF Sarasota, FL SAI Cincinnati, OH	1220 1360	WSSV Petersburg, VA WSTC Stamford, CT	1240 1400	WTRN Tyrone, PA WTRO Dyersburg, TN	1340 1330	WWBA St. Petersburg, FL WWBB Madison, WV	145
SAJ Grove City, PA	1340	WSTJ St. Johnsbury, VT WSTK Woodstock, VA	1340 1230	WTRP LaGrange, GA WTRQ Warsaw, NC	620 1560	WWBC Cocoa, FL WWBD Bamberg-Denmark, SC	C 79
SAM Saginaw, MI	1230 1400	WSTL Eminence, KY	1600	WTRR Sanford, FL	1400	WWBR Windber, PA	135
SAN Allentown, PA SAO Senatobia, MS	1470 1550	WSTP Sallsbury, NC WSTR Sturgls, MI	1490 1230	WTRU Muskegoh, MI WTRX Filmt, MI	1600 1330	WWBZ Vineland, NJ WWCA Gary, IN	130
SAR Fall River, MA SAT Sallsbury, NC	1480 1280	WSTU Sturart, FL WSTV Steubenville, OH	1450 1340	WTRY Troy, NY WTSA Brattleboro, VT	980 1450	WWCB Corry, PA WWCC Bremen, GA	137
SAU Wausau, WI	550 1370	WSTX Christiansted, VI WSUB Groton-New London, (970	WTSB Lumberton, NC WTSK Tuscaloosa, AL	1340 790	WWCH Clarlon, PA WWCM Brazil, IN	130
SB Atlanta, GA	750	WSUH Oxford, MS	1420	WTSL Hanover, NH	1400	WWCM Brazil, IN WWCO Waterbury, CT WWDC Washington, DC	124
SBA York, PA SBB New Smyrna Beach, FL	910 1230	WSUM Parma, OH	910 1000	WTSN Dover, NH WTSO Madison, WI	1270 1070	WWDE Hampton, VA	149
BBC Chicago, IL BBR Boca Raton, FL	1240 740	WSUN St. Petersburg, FL WSUZ Palatka, FL	620 800	WTSV Claremont, NH WTTB Vero Beach, FL	1230 1490	WWDJ Hackensack, NJ WWDR Murfreesboro, NC	10
BS St. Barrington, MA	860 960	WSVA Harrisonburg, VA WSVC Dunlap, TN	550 1190	WTTC Towanda, PA WTTF Tiffin, OH	1550 1600	WWEE Memphis, TN WWEG Racine, WI	14:
	960 1560	WSVL Shelbyville, IN	1520	WTTI Daiton, GA	1530	WSLC Clermont, FL	13
CP Sandy Creek-Pulaski, NY	1070	WSVM Valdese, NC WSVS Crews, VA	1490 800	WTTL Madisonville, KY WTTM Trenton, NJ	1310 920	WWGM Nashville, TN WWGP Sanford, NC	15
CV Peterborough, NH	1050 1410	WSWN Belle Glade, FL WSWV Pennington Gap, VA	900 1570	WTTN Watertown, WI WTTR Westminster, MD	1580 1470	WWGS Tifton, GA WWIL Wilmington, NC	14
DC Hartsville, SC	1490	WSWW Platteville, WI	1590	WTTS Bloomington, IN	1370	WWIN Baltimore, MD WWIS Black River Falls, WS	14
DL Sildell, LA DR Sterling, IL	1560 1240	WSYB Rutland, VT WSYD Mt. Airy, NC	1380 1300	WTTT Amherst, MA WTTX Appomation, VA	1430 1280	WWIT Canton, NC	9
DS Ypsilanti, MI EB Sebring, FL	1480	WSYL Sylvania, GA WSYR Syracuse, NY	1 <mark>490</mark> 570	WTUP Tupelo, MS WTUU Toledo, OH	1490 1520	WWIW New Orleans, LA WWJ Detroit, Mi	14
EL Pontotoc, MS	1440	WTAB Tabor City, NC WTAC Filmt, MI	1370 600	WTUX Wilmington, DE WTVB Coldwater, MI	1290 1590	WWJB Brookesville, FL WWJC Duluth, MN	14
	1500 1050	WTAD Quincy, IL	930	WTVL Waterville, ME	1490	WWKE Ocala, FL	13
ER Elkton, MD EV Sevierville, TN	930 930	WTAE Pittsburgh, PA WTAG Worcester, MA	1250 580	WTVN Columbus, OH WTVR Richmond, VA	1380 1340	WWKO Fair Bluff, NC WWKQ Battlecreek, MI	15
EW Selinsgrove, PA FB Quitman, GA	1240 1490	WTAL Eau Gallle, FL WTAL Tallahassee, FL	1560 1450	WTWA Thomson, GA WTWB Auburndale, FL	1240 1570	WWKY Winchester, KY WWL New Orleans, LA	13
FC Somerset, KY	1240 1280	WTAN Clearwater, FL WTAQ LaGrange, IL	1340 1300	WTWN Grand Rapids, MI WTXN Lafayette, AL	1340 910	WWLE Comwall, NY WWNH Rochester, NH	11
FR Sanford, FL	1300	WTAR Norfolk, VA	790	WTXN Lafayette, AL	910	WWNI Beckley, WV	6
FT Thomaston, GA FW Seneca Falls, NY	1220 1110	WTAX Springfield, IL	1150 1240	WTYC Rock Hill, SC WTYL Tylertown, MS	1150 1290	WWNS Statesboro, GA WWNY Watertown, NY	12
GA Savannah, GA	1400 1490	WTAY Robinson, IL WTBC Tuscaloosa, AL	1570 1230	WTYN Tyron,NC WTYS Marianna, FL	1550 1340	WWOD Lynchburg, VA WWOL Buffalo,NY	93 11
GC Elberton, GA	1400	WTBF Troy, AL	970	WTZE Tazewell, VA	1470	WWON Woonsocket, RI WWOW Conneaut, OH	12
GGE Springfield, TN GGN Birmingham, AL	1190 610	WTBO Bumbeland, MD WTBP Parsons, TN	1450 1550	WUAT Pikeville, TN WUBE Cincinnati, OH	1110 1230	WWPA Wiffiamsport, PA	13
GO Oswego, NY GW Saginaw, MI	1440 790	WTBQ Warwick, NY WTCA Plymouth, IN	1110 1050	WUCR Sparta, TN WUEZ Salem, VA	860 1480	WWPZ Petoskey, MI WWQM Madison, WI	13 15
HB Raeford, NC	1400	WTCB Flomaton, AL	990	WUFE Baxley, GA WUFF Eastman, GA	1260 710	WWQT Dunedin, FL WWRL New York, NY	14
SHF Sheffield,AL SHN Fremont, MI	1290 1550	WTCH Shawano, Wi WTCJ Tell City, IN WTCL Warren OH	960 1230 1570	WUFO Amherst, NY	1080	WWSA Savannah, GA	12
SHO New Orleans, LA SHP Shippenburg, PA	800 1480	WTCL Warren, OH WTCM Traverse City, MI	1570 580	WUHN Pittsfield, MA WUIV Icard Township, NC	1110 1580	WWSC Glens Falls, NY WWSR St. Albans, VT	14
SHY Shelbyville, IL	1560	WTCR Ashland, KY WTCS Fairmount, WV	1420 1490	WULA Eufula, AL WULF Alma, GA	1240 1400	WWST Wooster, ÖH WWSW Pittsburgh, PA	9
GIB Beaufort, SC GIC Statesville, NC	1490 1400	WTCW Whitesburg, KY	920	WUME Paoli, IN	1560	WWTC Minneapolis, MN WWVA Wheeling, WV	12
SID Baltimore, MD SIG Mount Jackson, VA	1010 790	WTEL Philadelphia, PA WTGA Thomaston, GA	860 1590	WUMU Gainesville, FL WUNA Aquadilla, PR	1390 1340 1410	WWWB Jasper, AL	13
GIP Paintsville, KY GIR Winter Haven, FL	1490 1490	WTGC Lewisburg, PA WTGE Kalkaska, MI	1010 1420	WUNI Mobile, AL WUNN Mason, MI	1410 1110	WWWC Wlikesboro, NC WWWD Schnectady, NY	12
IX Nashville, TN	980 1380	WTGR Myrtle Beach, SC WTHB Augusta, GA	1540 1550	WUNO San Juan, PR WUPR Utado, PR	1320 1530	WWWE Cleveland, OH WWWF Fayette, AL	11
JB Murray, KY	1130	WTHE Mineola, NY	1520	WUPY Ishpeming, MI WUSS Atlantic City, NJ	970 1490	WWWG Rochester, NY WWWI Hyde Park, NY	14
JC Magee, MS JM St. Joseph, MI	810 1400	WTHI Terre Haute, IN WTHM Lapeer, MI	1480 1530	WUST Washington, DC	1120	WWWN Vienna, GA	15
JP Murray, KY JR Modawaska, ME	1130 1230	WTHU Thurmont, MD WTIC Hartford, CT	1450 1080	WUTQ Utica, NY WVAB Virginia Beach, VA	1550 1550	WWWQ Panama City, FL WWWX Albemarle, NC	10
JS Winston-Salem, NC	600	WTID Newport News, VA	1270 1340	WVAL Sauk Rapids, MN WVAM Altoons, PA	800 1430	WWWR Russellville, AL WWWN Vlanna, GA	15
JW Woodruff, SC KE Everett, PA	1510 1050	WTIF Tifton, GA WTIG Massillon, OH	990	WVAP Burnettown, SC	1510	WWWN Vianna, GA WWWX Albemarle, NC WWXL Manchester, KY	10
KI Montpellier-Barre, VT KT Knoxville, TN	1240 1580	WTIK Durham, NC WTIL Mayaquez, PR	1310 1300	WVAR Richwood, WV WVBS Burgaw, NC	600 1470	WWYO Pineville, WV	14
KY Asheville, NC LB Ogdensburg, NY	1230 1400	WTIM Taylorville, IL WTIP Charleston, WV	1410 1240	WVCB Shallotte, NC WVCF Ococee, FL	1410 1480	WWZZ Sarasota, FL WXAL Demopolis, AL	12
LC Roanoke, VA	610	WTIQ Manistique, MI	1490 1230	WVCF Ococee, FL WVCG Coral Gables, FL WVCH Chester, PA	1080	WXAM Charlottesville, VA WXAP Columbia, SC	14
LG Gonzales, LA Li Jackson, MS	1090 930	WTIV Titusville, PA WTIX New Orleans, LA WTIM Fast Point, GA	690	WVEL Pekin, IL	1140	WXCE Amery, WI WXCF Clifton Forge, VA	12
LK Hyden, KY LM Salem, IN	1600 1220	WTJH East Point, GA WTJS Jackson, TN	1260 1390	WVFC McConnellsburg, PA WVFR Ridgefield, CT	1530 850	WXCF Clifton Forge, VA WXCL Peorla, IL	13
LR Akron, OH LV Ardmore, TN	1350 1110	WTJZ Newport News, VA WTKC Lexington, KY	1270 1300	WVGT Mt. Dora, FL WVIC E. Lansing, MI	1580 730	WXCM Jackson, MI WXCO Wausau, WI	12
LV Ardmore, TN LW White Sulphur Springs, WV		WTKL Baton Rouge, LA	1260	WVIN Bath, NY	1380 1310	WXEE Welch, WV WXEW Yabucoa, PR	12
M Nashville, TN	1310 650	WTKM Hartford, WI WTKO Ithaca, NY	1540 1470	WVIP Mt. Kisco, NY WVJP Caguas, PR	1110	WXGI Richmond, VA	٥
MA Marine City, Mi MB New Orleans, LA	1590 1350	WTKY Thompkinsville, KY WTLB Utica, NY	1370 1310	WVJS Owensboro, KY WVKO Columbus, OH	1420 1580	WXGR Bay St. Louis, MS WXIC Waverly, OH	11
MB New Orleans, LA MD La Plata, MD ME Sanford, ME	1560 1220	WTLK Taylorsville, NC WTLN Apopka, FL	1570 1520	WVKY Louisa, KY WVLD Valdosta, GA	1270 1450	WXIT Charleston, WV WXIV South Paris, ME	14
MG Greeneville, TN	1450	WTLO Somerset, KY	1480	WVLK Lexington, KY	590 740	WXKS Medford, MA WXLI Dublin, GA	14
MI Litchfield, IL ML Graham, NC	1540 1190	WTLS Tallassee, AL WTMA Charleston, SC	1300 1250	WVLN Olney, IL WVLV Lebanon, PA	940	WXLL Decatur, GA	13
MN Nashua, NH MT Sparta, TN	1590 1050	WTMB Tomah, WI WTMC Ocala, FL	1460 1290	WVLY Water Valley, MI WVMG Cochran, GA	1320 1440	WXLW Speedway, IN WXLX Milledgeville, GA	10
MX Winston-Salem, NC	1500	WTME Trenton, TN WTNR Kingston, TN	1500 1410	WVMI Blioxi, MI WVMS Appleton, WI	570 1570	WXOK Baton Rouge, LA WXOL Cicero, IL	14
MY Weldon, NC NG Torrington, CT	1400 610	WTMJ Milwaukee, Wi	620	WVMT Burlington, VT	620	WXOX Bay City, MI	12
SNJ Bridgeton, NJ SNO Barre, VT	1240 1450	WTMP Temple Terrace, FL WTMT Lousiville, KY	1150 620	WVNA Tuscumbia, AL WVNH Salem, NH	1590 1110	WXOR Florence, AL WXPO Knoxville, TN	13 12
NT Sandersville, GA	1490	WTNC Thomasville, NC WTND Orangeburg, SC	790 920	WVNJ Newark, NJ WVOB Bel Air, MD	620 1520	WXPQ Eatonton, GA WXQK Spring City, TN	15
SNW Seneca, SC SOC Charlotte, NC	930 1230	WTNE Trenton, TN	1500	WVOE Chadburn, NC	1590	WXTN Lexington, MS	10
OK Savannah, GA OL Tampa, FL	1230 1300	WTNL Reidsville, GA- WTNN Millington, TN	1390 1380	WVOG New Orleans, LA WVOH Hazeihurst, GA	920	WXRF Guayama, PR WXRL Lancaster, NY	15 13
SOM Salem, OH * SON Henderson, KY	600 860	WTNQ Mlami, FL WTNR Kingston, TN	710 1410	WVOJ Jacksonville, FL WVOK Birmingham, AL	1320 690	WXRS Swainsboro, GA WXVA Charles Town, WV	15 15
SOO Sit. Ste. Marie, Mi	1230	WTNS Coshocton, OH	1560 1270	WVOL Berry Hill, TN	1470 1270	WXVI Montgomery, AL WXVW Jeffersonville, IN	16
SOQ No. Syracuse, NY SOX West Yarmouth, MA	1220 1240	WTNT Tallahassee, FL WTNW Chapel Hill, NC	1530	WVOM Luka, MS WVON Chicago, IL	1390	WXXX Hattlesburg, MS	13
IV December II	1340	WINY Watertown, NY	790	WVOP Vidalia, GA	970	WXYQ Stevens Point, WI	10
SOY Decatur, IL SPA Spartanburg, SC SPB Sarasota, FL	950 1450	WTNY Watertown, NY WTOD Winston-Salem, NC WTOD Toledo, OH	1380 1560	WVOS Liberty, NY WVOT Wilson, NC	1240 1420	WXYZ Detroit, MI WYAK Suriside Beach-	12

U.S. AM STATIONS BY CALL

0.3	. AIVI STA	4110	143 0	CALL	LEI	EKS				· ·	
Call	Location	kHz	Call	Location	kHz	Call	Location	kHz	Call	Location	KHZ
WYAL S	Scotland Neck, NC	1280	WYNB B	runswick, GA	790	WZED	DeFuniak Springs, FI	1460	KACW F	and TV	99.3
	Bessemer, AL	1450		eighton, PA	1150		Cincinnati, OH	1050		xnard, CA	104.7
WYAZ	Yazoo, MS	1530		myrna, GA	1550		York, PA	1350		Louis, MO	96.0
WYBG	Massena, NY	1050		operton, GA	1000		Albermarie, NC	1580		A Pine Bluff, AR	940
	Washington, DC	1340		ampa, FL	1550		Winter Haven, FL	1360		exarkana, AR	107.1
WYDE	Birmingham, AL	850		anville, VA	970		Fort Payne, AL	1250		M Rexburg, ID	94.3
WYDK	Yadkinville, NC	1480		Syracuse, NY	1540		Princeton, IL	1490		enver, CO	105.1
WYER	Mount Carmel, IL	1360		nnapolis, MD	810		Asheboro, NC	710		cramento, CA	92.5
	Patchogue, NY	1580		oulsburg, NC	1480		Leesburg, FL	1410		klahoma City, OK	107.7
WYFC 1	rpsilanti, Mi	1520		ed Springs, NC	1520		Hurricane, WV	1080		A Sante Fe. NM	97.3
WYGO	Corbin, KY	1330		verness, FL	1560		Milwaukee, WI	1290		allas-Ft. Worlh, TX	92.5
WYGR	Wyoming, MI	1530	WYSH C	Inton, TN	1380		Frederick, MD	1370		M Winona, MN	95.3
	ernandina Beach, FL	1570	WYSL B	Iffalo, NY	1400		Cowan, TN	1440		M Crossett, AR	104.9
	hoenixville, PA	690	WYSR F	anklin, VA	1250		Tuscumbia, AL	1410		lamath Falls, OR	98.5
	ittsburgh, PA	860	WYTH M	adison, GA	1250		Philiadelphia, PA	990		rcata, CA	91.5
	Wells, River, VT	1490	WYTI Ro	cky Mount, VA	1570		Madisonville, TN	1250		Honolulu, HI	95.5
	lew Orleans, LA	940	WYTL O	shkosh, WI	1490		West Point, GA	1310		owley, LA	102.9
	ackson, Wi	540		ytheville, VA	1280		Great Falls, MT	98.9	KAKI Be		107.1
WYLS Y		1350	WYWY B	arbourville, KY	950		Bethany-Albany, MO	95.9		evenport. IA	88.5
	Manning, SC	1410	WYXI At		1300	KAAP-	FM Santa Paula, CA	96.7	KALF U		103.3
	Mayfleld, KY	1430	WYYY K	iamazoo, Mi	1470	KARE	Orem, UT	107.1		It Lake City, UT	94.1
	Raleigh, NC	1550	WYYZ Ja	sper, GA	1490		Cambridge, MN	105.5	KALO B	eaumont, TX	95.1
WYNC 1	anceyville, NC	1540	WYZD D	obson, NC	1560	KABI-F	M Abilene, KS	98.3		A Alamosa, CO	93.0
WYNC 1	fanceville, NC	1540	WYZE A	llanta, GA	1480	KABL-F	M San Francisco, CA	98.1		ilispell, MT	97.1
WYND S	aresota, FL	1280	WZAL Ja	ickson, GA	1540	KACA	Prosser, WA	101.7		ingston, OK	90.7
WYNE A	appleton, WI	1150	WZAM N	orlok, VA	1110		Alvin, TX	91.3		an Francisco, CA	91.7
	Goldsboro, NC	1300	WZAP B	ristol, VA	690		Inglewood, CA	103.9		keley, CA	90.7
WYNK E	aton Rouge, LA	1380	WZBM Z	lon, IL	1500	KACO	St. Louis, MO	107.7		M El Paso, TX	93.1
WYNN F	lorence, SC	540	WZBR A	mory, MS	1520	KACT-	M Andrews, TX	105.5		erced, CA	101.5
WYNO P	leisonville, OH	1130	WZBS P		1490	KACV-	M Amarillo, TX	89.9		airbanks, AK	101.1
		i						03.3		M Rogers-Bentonvil	
											A 94.3
		- 1	ISA	MSTA	ACIT !	IC D	VIOCA	TION			34.0

U.S. AM STATIONS BY LOCATION

		U.S. AIVI S	AIIC
Location	Call kHz	Location	Call kHz
Abbeville, AL	WARL 1480	Alma, GA	WULF 1400
Abbeville, I A	WARI 1480 KROF 960	Aima, MI	WFYC 1280
Abbeville, SC Aberdeen, MD	WABV 1590	Alpena Township, MI	WATZ 1450
Aberdeen, MD	WAMD 970	Alpine, TX	
Aberdeen, MS Aberdeen, SD	WMPA 1270 KSDN 930	Altavista, VA Alton, IL	WKDE 1000 WOKZ 1570 WFBG 1290 WRTA 1240 WVAM 1430 KCNO 570
Abeldeell, 30	KDBQ 1420 KKAA 1560 KBKW 1450 KXRO 1320 KRBC 1470 KBER 1560	Altoona, PA	WERG 1290
	KKAA 1560	The state of the	WRTA 1240
Aberdeen, WA	KBKW 1450	1	WVAM 1430
ALUSS TV	KXRO 1320	Alturas, CA	KCNO 570
Abilene, TX	KRBC 1470	Altus, OK Alva, OK	KWHW 1450
	KBER 1560 KEAN 1280 KWKC 1340 KABI 1560 WBBI 1230 KADA 1230 WLIC 1540 WBIT 1470	Alvin, TX	KCNO 570 KWHW 1450 KALV 1430 KTEK 1110 KDJW 1010 KPUR 1440 KGNC 710 KIXZ 940 KOIZ 1360
	KWKC 1340	Amerillo, TX	KDJW 1010
Abiline, KS	KABI 1560		KPUR 1440
Abingdon, VA	WBBI 1230		KGNC 710
Ada, OK Adamsville, TN	WILC 1540		KIXZ 940
Adel, GA	WBIT 1470		
Adrian, MI	WABJ 1490 KUAM 610	Amasosa, IA	KZIP 1310 KLEK 1290 WMBA 1460 WDEC 1290 WISK 1390 WX CE 1260 KASI 1430
Agana, GU	KUAM 610	Ambridge, PA	WMBA 1460
	KATB 570	Americas, GA	WDEC 1290
Aguadilla, PR	KTWG 800	Aman, WI	WISK 1390
Agosoma, Fri	WGRF 1340	Amery, WI Ames, IA	KASI 1430
Ahoskie, NC	WRCS 970		WORI 640
Alken, SC	WABA 850 WGRF 1340 WRCS 970 WAKN 990	Amherst, MA	WTTT 1430
Alamanah NE	WKTX 1300 KBRB 1400	Amherst, NY	WUFO 1080
Alnsworth, NE Altkin, MN	KBRB 1400	Amherst, VA	WKYY 1420
Akron, OH	KKIN 930 WAKR 1590 WCUE 1150 WHLO 640	Amite, LA Amory, M6	WORI 640 WTTT 1430 WUFO 1080 WKYY 1420 WABL 1570 WABL 1570 WZBR 1520 WKOL 1570 WCSS 1490 KANA 580
	WCUE 1150	1	WZBR 1520
	WHLO 640	Amsterdam, NY	WKOL 1570
Alamogordo, NM	WSLR 1350 KPSA 1230 KINN 1270 WCTA 810		WCSS 1490
Alamogoroo, Nim	KINN 1270	Anaconda, MT	
Alamo, TN	WCTA 810	Anacortes, WA Anadarko, OK	KAGT 1340 KRPT 850
Alama Haishta TV	KDRY 1110 KGIW 1450	Anahelm, CA	KEZY 1190
Alamosa, CO	KGIW 1450	Anamosa, IA	KEZY 1190 KLEH 1290
Albany, GA	WALG 1590	Anchorage, AK	KDVD 700
	WALG 1590 WGPC 1450 WJAZ 960		KANC 1080 KFQD 750 KENI 550
	WJAZ 960 WODE 1250 WANY 1390 KASM 1150 WABY 1400 WOKO 1460 WPTR 1540 WROW 590 KWIL 790 KRKT 990		KFQD 750
Albany, KY	WANY 1390		KHAR 590
Albany, KY Albany, MN Albany, NY	KASM 1150		KHAR 590 KYAK 650 WKYD 920
Albany, NY	WABY 1400	Andalusia, AL	WKYD 920
	WPTR 1540	Anderson, IN	WAAO 1530 WHUT 1470 WHBU 1240
	WROW 590	Anderson: IIV	WHBU 1240
Albany, OR	KWIL 790	Anderson, SC	WAIM 1230 WANS 1280
A15 N.C.	KRKT 990		WANS 1280
Albermarie, NC	WWWX 1010 WZKY 1580 KATE 1450	Andrews, TX	KACT 1360 WANN 1190 WYRE 810
Albert Lea, MN	KATE 1450	Annapolis, MD	WYDE 810
Albertville, AL			WNAV 1430
Albia, IA	KLBA 1370	Ann Arbor, MI	WNAV 1430 WAAM 1600
Albion, Mi	WALM 1260		WPAG 1050 WRAJ 1440
Albuquerque, NM	KLBA 1370 WALM 1260 KABQ 1350 KAMX 1520 KDQQ 1150 KRKE 610 KDAZ 730	Anna, IL Anniston, Al	WHAJ 1440
	KDQQ 1150	Anniston, Ai	WANA 1490 WDNG 1450
	KRKE 610		WHMA 1390 WAHT 1510
	KDAZ 730	Annville-Cleona, PA	WAHT 1510
		Anoka, MN	KTWN 1470
	KOB 770 KKJY 1190 KQEO 920	Ansonia, CT Antigo, Wi	KTWN 1470 WADS 690 WATK 900 WAVL 910
	KQEO 920	Apollo, PA	WAVI 910
	KRZY 1090 KXKS 1190	Apopka, FL	WTLN 1520
	KXKS 1190	Apple Valley, CA Appleton, Wi	WTLN 1520 KAVR 960
Alcoa, TN	KZIA 1580	Appleton, WI	WVMS 1570
Alexander City, AL	WRES 1050	1	WHBY 1230
	WACD 1590	Appomattox, VA	WTTY 1280
Alexandria, LA	KZIA 1580 WEAG 1470 WRFS 1050 WACD 1590 KALB 580	Aptos-Capitola, CA	WYMS 1570 WHBY 1230 WYNE 1150 WTTX 1280 KMFO 1540 WUNA 1340 WAPG 1480 KATA 1340
	KDBS 1410 KSYL 970	Aquadilla, PR	WUNA 1340
Alexandric MA	KSYL 970	Arab, AL	WRAB 1380
Alexandria, MN Alexandria, VA	KXRA 1490 WPKX 730	Arcadia, FL Arcata, CA	WAPG 1480
Algona, IA	KLGA 1600 KOPY 1070 WDOG 1460 WHOL 1600 WAEB 790	Ardmore OK	KATA 1340
Alice, TX	KOPY 1070	Ardmore, TN	WSLV 1110
Allendale, SC	WDOG 1460	Ardmore, OK Ardmore, TN Arecibo, PR	WCMN 1280 WNIK 1230
Allentown, PA	WHOL 1600		WNIK 1230
		Advadaletti AD	WMIA 1070 KVRC 1240
	WSAN 1470	Arkadelphia, AR	KVRC 1240 KDOV 1350
Alliance, NE	WSAN 1470 KCOW 1400 WFAH 1310	Arkansas City, KS	KSOK 1280
Alliance, OH	WFAH 1310	Arlington, FL	KSOK 1280 WKTZ 1220

Location	Call kHz
Arlington, VA	WABS 780
	WEAM 1390
Arroyo Grande, CA	KKAL 1280
Artesia, NM	KSVP 990
Arvada, CO	KQXI 1550
Ashburn, GA	WMES 1570
Asbury Park, NJ	WJLK 1310
Asbury Park-Eatonto	
	WHTG 1410
Asheboro, NC	WGWR 1260
	WZ00 710
Asheville, NC	WISE 1310
	WRAQ 1380
	WSKY 1230
	WWNC 570
Ashland, KY	WCMI 1340
	WTCR 1420
Ashland, OH	WNCO 1340
Ashland, OR	KCMX 580
	KDOV 1350
Ashland, VA	WIVE 1430
Ashland, WI	WATW 1400
Ashtabula, OH	WAQI 1600 .
	WREO 970
Aspen, CO	KSNO 1260
Astoria, OR	KAST 1370
	KVAS 1230
Atchinson, KS	KARE 1470
Athens, AL	WKAC 1080
Athens, GA	WGAU 1340
	WCCD 1470
Athana Ott	WRFC-960
Athens, OH	WOUB 1340
Athens, TN	WATH 970
AIRENS, IN	WLAR 1450
Athens, TX	WYXI 1390
Atlanta, GA	KBUD 1410
Atlanta, GA	WPLO 590
	WAOK 1380
	WAEC 860
	WGKA 1190
	WGST 920
	WGUN 1010

Location	Call kHz
	WKLS 970
	WQXI 790 WSB 750
	WYZF 1480
Atlanta-Decatur, GA Atlanta, TX	WGUN 1010
Atlantic, IA	KALT 900 KJAN 1220
Atlantic Beach, FL	WJNJ 1600
Atlantic City, NJ	WIIN 1450
	WUSS 1490
	WMID 1340
Atmore, AL	WATM 1590
Atoka, OK	KEOR 1110
Attleboro, MA	WARA 1320
Auburn, AL Auburn, CA	WAUD 1230
Auburn, IN	KAHI 950 WIFF 1570
Auburn, ME	WIFF 1570 WRXV 1530
Auburn, NY	WMBO 1340
A020111, 111	WAUB 1590
Auburn, WA	KASY 1220
Auburndale, FL	WTWB 1570
Aubumdaie, WI	WLBL 930
Augusta, AR	KMCW 1190
	WBIA 1230
	WGAC 580
	WRDW 1480 WTHB 1550
Augusta, GA	WHGI 1050
August on	WBBQ 1340
Augusta, ME	WRDO 1400
•	WFAU 1340
Aurora, CO	KOZI 1430
Aurora, IL	WMRO 1280
4 440	WFVR 1580
Aurora, MO Austell, GA	KSWM 940
Austin, MN	WACX 1600 KAUS 1480
Austin, mit	KAUS 1480 KQAQ 970
Austin, TX	KNOW 1490
	KIXL 970



Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call ki
	KLBJ 590		KGMI 790		WITS 1510	Cadiz, KY	WKDZ 11 WNEL 14
	KOKE 1370 KVET 1300	Bellville, TX	KBFW 930 KACO 1090		WRKO 680 WROL 950	Caguas. PR	WVJR 11
va, MO	KSOA 1430	Belmont, NC Beloft, KS	WCGC 1270	Boulder, CO	KBOL 1490 KADE 1190	Calro, GA Cairo, IL	WGRA 7
valon, CA vondale Estates, GA		Beloit, KS Beloit, WI	KRZJ 1190 WGEZ 1490	Bowle, TX	KBAN 1410	Calais, ME	WQDY 12
	WAVO 1420 WAPR 1390	Belton, SC	WBEL 1380 WHPB 1390	Bowling Green, KY	WKCT 930 WBGN 1340	Caldwell, ID	KBGN 10 KCID 14
ron Park, FL rtec, NM	KKBK 1340	Belton, TX	KTON 940	Paulle C	WLBJ 1410	Calera, AL	WBYE 13
bylon, NY	WNYG 1440 WGLI 1290	Belzoni, MS Bemidji, MN	WELZ 1460 KBUN 1450	Bowling Green, MO Bowling Green, OH	WMGS 730	Calexico, CA Calhoun, GA	WEBS 11
ad Axe, MI	WLEW 1340		KKBJ 1360	Bowman, ND	KPOK 1340 WKAO 1510	Calhoun City, MS	WJTH 9 WJRL 15
inbridge, GA	WMGR 930 WAZA 1360	Bend, OR	KBND 1110 KGRL 940	Boynton Beach, FL Bozeman, MT	KXXL 1450	Camas. WA	KVAN 14
eker, MT	KFLN 960	Bennettsville, SC Bennington, VT	WBSC 1550 WBTN 1370		KBMN 1230 KBOZ 1090	Cambridge, MD Cambridge, MA	WCEM 12 WCAS 7
aker, OR akersfield, CA	KBKR 1490 KAFY 550	Benson, MN	KBMO 1290	Braddock, PA	WFFM 1550	Cambridge, OH	WILE 12
	KBIS 970 KERN 1410	Benson, NC Benton, AR	WPYB 1130 KBBA 690	Bradenton, FL	WTRL 1490 WBRD 1420	Camden, AL Camden, AR	WCOX 14 KAMD 9
	KGAM 1230	1	KGKO 850	Bradford, PA	WESB 1490		KJWH 14
	KUZZ 800	Benton, KY Benton, TN	WCBL 1290 WBIN 1540	Brady, TX Brainerd, MN	KNEL 1490 KLIZ 1380	Camden, NJ	WSSJ 13
	KNTB 1350 KWAC 1490	Benton, IN Benton Harbor-St. Jos	seph. MI		KVBR 1340	Camden, SC	WACA 15 WPUB 11
eld Knob, AR	KPMC 1560 KAPZ 710	Bentonville, AR	WHFB 1060 KJEM 1190	Brandon, MS Branson, MO	WRKN 970 KBHM 1220	Camden, TN	WFWL 12
aldwinsville, NY	WSEN 1050	Berea, KY	WKXO 1500	Brattleboro, VT	WTSA 1450	Cameron, MO Camilla, GA	KMRN 13 WCOB 12
atlinger, TX altimore, MD	KRUN 1400 WBAL 1090	Berkeley, CA Berkeley Springs, WV	KRE 1400	Brawley, CA	WKVT 1490 KROP 1300	Campbell, OH	WHOT 13
	WAYE 860		WCST 1010	Brazil, ÍN	WWCM 1130	Campbellsville, KY CampLejeune, NC	WCKQ 14 WJIK 15
	WBMD 750 WCAO 600	Berlin, NH	WBRL 1400 WMOU 1230	Breckenridge, MN Wahpelon, ND	KBMW 1450	Camuy, PR	WCHQ 13
	WCBM 680	Berlin, WI	WISS 1090	Breckenridge, TX Bremen, GA	KSTB 1430	Canadaigua, NY Cannon City, CO	WCGR 15 KRLN 14
	WEBB 1360 WFBR 1300	Berry Hill, TN Berryville, AR	WVOL 1470 KTHS 1480	Bremerton, WA	WWCC 1440 KBRO 1490	Canonsburg, PA	WARD 5
	WITH 1230	Berwick, PA	WBRX 1280 WYAM 1450	Brenham, TX Brevard, NC	KTTX 1280 WPNF 1240	Canton, OH Canton, IL	WCHK 12 WBYS 15
	WSID 1010 WWIN 1400	Bessemer, AL Bethel, AK	KYUK 580	Brewster, NY	WPUT 1510	Canton, MS	WMGO 13
amberg-Denmark, S		Bethesda, MD Bethiehem, PA	WGMS 570 WGPA 1100	Brewton, AL Bridgeport, AL	WEVJ 1240 WBTS 1480	Canton, NC	WPTL 9
angor, ME	WABI 910	Beulah, ND	KHOL 1410	Bridgeport, AL Bridgeport, CT	WICC 600	Canton, OH	WHBC 14
	WGUY 1250 WLBZ 620	Beverly, MA Biddeford, ME	WBVD 1570 WIDE 1400		WDJZ 1530 WNAB 1450		WINW 15
anning, CA	KGUD 1490	Big Bear Lake, CA	KBBV 1050	Bridgetown, NJ	WSNJ 1240	Canyon, TX	KHBJ 1
araboo, WI arceloneta, PR	WBOO 740 WBQN 1160	Big Lake, TX Big Rapids, MI	KWGH 1290 WBRN 1460	Brigham City, UT Brighton, CO	KBUH 800 KBRN 800	Cape Girardeau. MO	KGIR 9
ardstown, KY	WBRT 1320	Big Spring, TX	KBST 1490	Brinkely, AR	KBRI 1570		KZYM 12 KGMO 15
arbourviile, KY arnesboro, PA	WYWY 950 WNCC 950		KHEM 1270 KBYG 1400	Bristol, CT Bristol, TN	WBIS 1540 WOPI 1490	Carbondale, IL	WCIL 10
arnesville, GA	WBAF 1090	Big Stone Gap, VA	WLSD 1220		WKYE 1550	Carbondale, PA Carlbou, ME	WCDL 14 WFST 6
ernwell, SC erre, VT	WBAW 740 WSNO 1450	Blioxi. MS	WLOX 1490 WVMI 570	Bristol, VA	WZAP 690 WFHG 980	Carlisle, PA	WHYL 9
errow, AK	KBRW 680	Billings, MT	KBMY 1240 KGHL 790	Broadway-Timberville		Carlsbad, NM	WIOO 10 KAMQ 12
arstow, CA	KWTC 1230 KIOT 1310		KOOK 970	Brockport, NY	WJBT 1560		KBAD 7
artiesville, OK artow, FL	KWON 1400 WBAR 1460		KOYN 910 KURL 730	Brockton, MA	WBET 1460 WOKW 1410	Carmel, CA	KRML 14
	WPUL 1130	Binghamton, NY	WINR 680	Broken Bow, NE	KCNI 1280	Carmi, IL Carmichael, CA	WROY 14
assett, VA astrop, LA	WODY 900 KTRY 730		WKOP 1360 WNBF 1290	Bronson, MO Brookfield, CT	KBHM 1220 WINE 940	Carnegie, PA	WPLW 15
	KVOB 1340	Birmingham, AL	WAPI 1070	Brookfleld, MO	KGHM 1470	Caro, Mi Carolina, PR	WKYO 13 WIDA 14
etavia, NY etesburg, SC	WBTA 1490 WBLR 1430		WERG 960 WCRT 1260	Brookhaven. MS	WCHJ 1470 WJMB 1340	Carrington, ND	KDAK 16
atespurg, SC atesville, AR	KBTA 1340		WAQY 1220	Brookings, OR	KURY 910	Carrizo Springs, TX Carroll, IA	KBEN 14 KCIM 13
stesville, MS	KAAB 1130 WBLE 1290		WENN 1320 WATV 900	Brookings, SD Brookline, MA	KDRK 1430 WNNR 1600	Caroliton, AL	WRAG 5
ath, ME	WJTO 730		WSGN 610	Brookneal, VA	WODI 1230	Carrollton, GA	WLBB 11 WPPI 13
ath, NY aton Rouge, LA	WVIN 1380 WAIL 1260		WYDE 850 WYOK 690	Brooksville, FL Brownfield, TX	WWJB 1450 KKUB 1300	Carrollton, MO	KAOL 14
	WLUX 1550 WYNK 1380	Bisbee, AZ Bishop, CA	KSUN 1230 KIBS 1230	Brownsville, PA Brownsville, TN	WASP 1130 WBHT 1520	Carrylle, AL Carson City, NV	WACQ 11 KPTL 13
	WIBR 1300	Bishopville, SC	WAGS 1380	Brownsville, X	WBOR 1600	Cartersville, GA	WBHF 14 WKRW 12
	WJBO 1150 WLCS 910	Bismarck, ND	KFYR 550 KBMR 1130	Brownwood, TX	KVWD 1380 KXLY 1240	Carthage, IL	WCAZ 9
	WXOK 1490	Bismark-Mandan, ND		Brunswick, GA	WGIG 1440	Carthage, MO Carthage, MS	KDMO 14 WECP 10
attle Creek, MI	WBCK 930 WKNR 1400	Black Mountain, NC	WBMS 1350		WMOG 1490 WYNR 790	Carthage, TN	WRKM 13
aview CA	WVOC 1500	Disch Ol	WFGW 1010	Brunswick, ME	WKXA 900 WTRI 1520	Carthage, TX Caruthersville, MO	KGAS 15 KCRV 13
ixley, GA iy City, Mi	WUFE 1260 WRDB 1440	Black River Faits, WI Blackfoot, ID	KBLI 690	Brusswick, MD Brush, CO	KCMP 1010	Casa Grande, AZ Casey, IL	KPIN 12
y City, TX	WXOX 1250 KIOX 1270	Blacksburg, CA	WKEX 1430 WQBX 710	Bryan, OH Bryan, TX	WBNO 1520 KTAF 1240	Casey, IL Casper, WY	KTWO 10
y Minette, AL	WBCA 1110	Blackshear, GA	WBSG 1350		KAGC 1510		KVOC 12
iyamon, PR	WLUZ 1600 WRSJ 1560	Blackstone, VA Blackwell, OK	WKLV 1440 KLTR 1580	Bryson City, NC Buckhannon, WV	WBHN 1590 WBUC 1460	Cathedral City, CA	KWXY 13
yard, NM	KNFT 950	Blaine, WA	KARI 550	Bucyrus. OH	WBCO 1540	Calakili, NY Cave City, KY	WCKL 5 WKVE 8
iyou Vista, LA iy City, Mi	KQKI 1170 WROD 1440	Blakely, GA Blanding, UT	WBBK 1260 KUTA 790	Buena Vista, VA Bulfalo-Hodgenville.		Cayce, SC	WCAY 6
y St. Louis, MS	WXGR 1190	Bioomington, IL	WJBC 1230	Bulfalo, MN	WLCB 1430 KRWC 1360	Cayey, PR Cedar City, UT	KSUB 5
y Springs, MS ytown, TX	WHII 1570 KBÚK 1360	Bloomington, IN Bloomsburg, PA	WTTS 1370 WCNR 930	Bullaio, MN Bullaio, NY	WBEN 930	Cedar Falls, IA	KBRE 9
acon, NY ardstown, tL	WBNR 1260 WRMS 790	Biountstown, FL	WHLM 550 WKMK 1000		WYSL 1400 WEBR 970	Cedar Falls, IA Cedar Rapida, IA	KCFI 12 KCRG 16
atrice, NE	KWBE 1450	Blue Earth, MN	KBEW 1560		WGR 550		KLWW 14 WMT 6
aufort, NC aufort, SC	WBMA 1400 WBEU 960	Bluefield, VA Bluefield, WV	WBDY 1190 WHIS 1440		WKBW 1520 WWOL 1120		KHAK 13
	WSIB 1490		WKOY 1240	Buffalo, WY	KBBS 1450	Cedartown, GA Celina, OH	WGAA 13 WCSM 13
aumont, TX	KLVI 560 KAYC 1450	Blythe, CA Blytheville, AZ	KYOR 1450 KLCN 910	Buford, GA Builhead City, AZ	WDYX 1460 KRHS 1000	Center, TX	KDET 9
	KJET 1380	Bosz. AL	WBSA 1300	Burbank CA	KROQ 1500	Centerville, IA Centerville, IN	WHON 9
aver Dam, WI	WBEV 1430	Boca Raton, FL Bogalusa, LA	WSBR 740 WIKC 1490	Burgaw, NC Burlen, WA	WVBS 1470 KQIN 800	Centreville, MS	WLBS 15
aver Falls, PA ckley, WV	WBVP 1230 WJLS 560	Boise, ID	WBOX 920 KBRJ 950	Burkesville, KY Burley, ID	WKYR 1570 KBAR 1230	Centerville, TN	WSSL 15 WHLP 15
	WCIR 1070	2000, 10	KBOI 670	Burlington, CO	KNAV 1140	Centerville, UT Central City, KY	KBBX 16 WNES 10
dford, IN	WWNR 620 WBIW 1340		KGEM 1140 KIDO 830	Burlington, IA	KBUR 1490 KCPS 1150		WMTA 13
dford, PA	WBFD 1310	Bellin 100	KSPD 790	Burlington, NC	WBBB 920	Centralia, fL Centralia & Chehalis, f	WILY 12
dford, VA	WAYC 1600 WBLT 1350	Bolivar, MO Bolivar, TN	KYOO 1130 WBOL 1560	Burlington-Graham,	NC WBBB 920 WQRB 1150	Contracts of Chenalis,	KELA 14
ech Grove, IN	WNTS 1590	Bonham, TX	KFYN 1420	Burlington, VT	WDOT 1400	Cantra at	KITI 14
eville, TX	KIBL 1490 KACO 1090	Bonners Ferry, ID Boone, IA	KBFI 1450 KWBG 1590		WJOY 1230 WVNT 620	Centre, AL	WAGC 1
Air, MD	WVOB 1520		KFGQ 1260	Burnet, TX	KHLA 1340	Centreville, AL	WBIB 11
elen, NM elfast, ME	KARS 860 WBME 1230	Boone, NC Booneville, IN	WATA 1450 WBNL 1540	Burnettown, SC Burney, CA	WVAP 1510 KAVA 1450	Ceres, CA Chadbum, NC	WVOE 1
elgrade, MT	KGVW 630	Booneville, MS	WBIP 1400	Burns, OR	KRNS 1230	Chadron, NE	KCSR (
ellaire, OH ellefontaine, OH	WOMP 1290 WTOO 1390	Booneville, MO Booneville, NY	KWRT 1370 WBRV 900	Burnsville, NC Butler, AL	WKYK 940 WPRN 1240	Chambersburg, PA	WCHA 8
ellefonte, PA	WBLF 970		KBBB 1600	Butler, MO	KMAM 1530	Champaign, IL	WDWS 14
ell Fourche, SD elle Glade, FL	KBFS 1450 WSWN 900	Boston, MA	WBZ 1030 WHUE 1150	Butler, PA Butte, MT	WBUT 1050 KBOW 550	Chanute, KS Chapel Hill, NC	WCHI 13
lleville, IL	WIBV 1260		WILD 1090		KXLF 1370		WRBX 1
llevue, WA	KZAM 1540		WEZE 1260	Cabo Rojo, PR	WEKO 930	Chardon, OH	WBKC 15

۷I	U.S. AM	OITATS	NS BY LOC	ATION				
3	Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
WHITE'S RADIO	Charleston, IL Charleston, MO Charleston, SC	WEIC 1270 KCHR 1350 WCSC 1390	Cleburne, TX	WAZE 860 KCLE 1120	Corinth. MS	WCMA 1230 WKCU 1350	Deer Lodge, MT Deflance, OH	KDRG 1400 WONW 1280
뛺	Chanesion, 3C	WOKE 1340 WPAL 730 WQSN 1450	Clemson, SC Clearmont, FL Cleveland, GA Cleveland, MS	WCCP 1560 WSLC 1340 WRWH 1350 WCLD 1490	Cornella, GA Corning, AR Corning, NY	WCON 1450 KCCB 1260 WCBA 1350 WCLI 1450	De Funlak Springs, FL DeKalb	WZEP 1460 Sycamore, IL
5	Charleston, WV	WTMA 1250 WCAW 680 WCHS 580	Cleveland, OH	WRDC 1410 WWWE 1110 WBBG 1260	Cornwall, NY Corona, CA Corpus Christi, TX	WWLE 1170 KWRN 1370 KCTA 1030	De Land, FL Delano, CA	WLBK 1360 WETO 1490 WKKX 1310 KCHJ 1010
믤		WXIT 1490 WKAZ 950 WTIP 1240		WERE 1300 WGAR 1220 WHK 1420	Solpas Chilata, 12	KCCT 1150 KEYS 1440 KRYS 1360	Delaware, OH Delray Beach, FL Del Rio, TX	WDLE 1550 WDBF 1420 KDLK 1230
뒼	Charles Towns, WV Charlesvolx, MI	WXVA 1550 WVOY 1270	Cleveland, TN	WABQ 1540 WJW 850 WBAC 1340	Corrales, NM	KSIX 1230 KUNO 1400 KXAK 1310	Delta, CO Delta, UT	KWMC 1490 KDTA 1400 KNAK 540
ا	Charlotte, MI Charlotte, NC	WGWY 1390 WBT 1110 WAYS 610	Cleveland, TX Cleveland Heights, OH		Corry, PA Corsicana, TX Cortez, OL	WWCB 1370 KAND 1340 KVFC 740	Deming, NM Demopolis, AL Demham Springs, LA	WXAL 1400 WLBI 1220
		WGIV 1600 WHVN 1310 WSOC 930	Clifton, AZ Clifton Forge, VA Clincho, VA	WX CF 1230 WDIC 1430	Cortland, NY Corvallis, OR	WKRT 920 KLOO 1340 KFLY 1240	Dennison, IA Dennison-Sherman, T) Denmark-Bamberg, SC	WWBD 790
- 1	Charlotte Amalle, VI	WIST 1240 WAME 1480 WRPL 1540	Clinton, AR Clinton, IL Clinton, IA	KGFL 1110 WHOW 1520 KLNT 1390 KROS 1340	Corydon, IN Coshocton, OH Cottage Grove, OR	KOAC 550 WJDW 1550 WTNS 1560 KNND 1400	Denton, TX Denver, CO	KDNT 1440 KLDR 1090 KDEN 1340
	Charlottesville, VA	WVWI 1000 WSTA 1340 WCHV 1260	Clinton, MO Clinton, NC	KDKD 1280 WRRZ 880 WCLN 1170	Cottonwood, AZ Coudersport, PA Council Bluffs, IA	KVRD 1600 WFRM 600 KLNG 1560		KFML 1390 KHOW 630 KIMN 950 KRKS 990
	Chase City, VA	WXAM 1400 WINA 1070 WMEK 980	Clinton, OK Clinton, SC Clinton, TN	KKCC 1320 WPCC 1410 WYSH 1380	Courtenay, BC Covington, GA Covington, KY	CFCP 1440 WGFS 1430 WCLU 1320		KLZ 560 KERE 710 KOA 850
	Chatham, VA Chattahoochee, FL	WENO 1580	Cloquet, MN Clovis, CA Clovis, NM	KXQR 790 KCLV 1240	Covington, LA Covington, TN Covington, VA	WARB 730 WKBL 1250 WKEY 1340		KPOF 910 KBNO 1220 KTLK 1280
	Chattanooga, TN	WMOC 1450 WDEF 1370 WDOD 1310 WDXB 1490	Coachella, CA	KICA 980 KWKA 680 KCHV 970	Cowan, TN Cozad, NE Craig, CO	WZYX 1440 KAMI 1580 KRAI 550	DeQueen, AR DeRidder, LA Dearmott, AR	KDQN 1390 KDLA 1010 KAKA 1110
	Cheboygan, MI	WGOW 1150 WNOO 1260 WCBY 1240	Coalinga, CA Coamo, PR Coatesville, PA Cochran, GA	KOLI 1470 WCPR 1450 WCOJ 1420 WVMG 1440	Crane, TX Crawfordsville, IN Crescent City, CA	KBSN 810 WCVL 1550 KCRE 1240 KPOD 1310	DeSoto, MO Des Moines, IA	KHAD 1190 KCBC 1390 KIOA 940 KRNT 1350
	Cheektowaga, NY Chehalis-Centralla, W	WECK 1230 KITI 1420	Cocoa Beach, FL	WCWR 1350 WWBC 1510 WRKT 1300	Crescent City, FL Creston, IA Crestylew, FL	WBAS 1330 KSIB 1520 WCNU 1010		KSO 1460 KWKY 1150 WHO 1040
	Cheraw, SC Cherryville, NC	WCRE 1420 WCSL 1590	Cody, WY Coeur d' Arlene, ID Coffeyville, KS	KODI 1400 KVNI 1080 KGGF 690	Crewe, VA Crockett, TX	WJSB 1050 WSVS 800 KIVY 1290	Detroit, MI	WCXI 1130 WJLB 1400 WJR 760
	Cherokee, IA Chesapeake, VA Chester, IL Chester, PA	KCHE 1440 WCPK 1600 KSGM 980 WVCH 740	Colby, KS Coldwater, Mf Coleman, TX Colfax, WA	KXXX 790 WTVB 1590 KSTA 1000 KCLX 1450	Crookston, MN Crossett, AR Crossville, TN	KROX 1260 KAGH 800 WAEW 1330	Date Miles Miles	WWJ 950 WLQV 1500 WXYZ 1270
	Chester-Aston, PA Chester, SC Chester, VA	WGCD 1590 WGCD 1490 WGGM 1410	College Park, GA College Station, TX Collerville, TN	WSSA 1570 WTAW 1150 WMSO 1220	Crowley, LA Crozet, VA	WCSV 1490 KSIG 1450 KAJN 1580 WPED 810	Detroit Lakes, Mi Devils Lake, ND DeWitt, AR Dexter, MO	KDLM 1340 KDLM 1240 KDEW 1470 KDEX 1590
	Chestertown, MD Cheyenne, WY	WCTR 1530 KFBC 1240 KRAE 1480	Collinsville, VA Colonial Hts. VA Colorado Springs, TX	WFIC 1530 WPVA 1290 KVMC 1320	Crystal Lake, IL Cuba, MO Cuero, TX	WIVS 850 KBCC 1410 KEWS 1600	Diboli, TX Dickinson, ND	KSPL 1260 KDIX 1230
	Chicago, IL	WAIT 820 WBBM 780	Colorado Springs, CO	KPDO 1240 KPIK 1580 KVOR 1300	Cullman, AL Culpeper, VA	WFMH 1460 WKUL 1340 WCVA 1490	Dickson, TN Dillon, MT Dillingham, AR	KLTC 1460 WDKN 1260 KDBM 1490 KDLG 670
ı		WCFL 1000 WCRW 1240 WEDC 1240 WGN 720	Columbia, KY	KSSS 740 KYSN 1460 KKCS 1530 WAIN 1270	Cumberland, KY Cumberland, MD	WCPM 1280 WCMD 1230 WCBC 1270 WTBO 1450	Dillion, SC Dimmitt, TX Dinuba, CA Dixon, IL	WDSC 800 KDHN 1470 KRDU 1130 WIXN 1460
1		WJPC 950 WIND 560 WJJD 1160	Columbia, LA Columbia, MS Columbia, MO	KCTO 1540 WCJU 1450 KFRU 1400	Cumming, GA Cushing, OK Cuthbert, GA	WHNE 1170 KUSH 1660 WCUG 850	Dobson, NC Dodge City, KS	WYZD 1560 KGNO 1370 KEDD 1550
- 1		WLS 890 WMAQ 670 WMBI 1110	Columbia, SC	KTGR 1580 WCOS 1400 WIS 560	Cuyahoga Falls, OH Cypress Gardens, FL Cynthiana, KY	WCUE 1150 WGTO 540 WCYN 1400	Dodgeville, WI Donalsonville, GA Donaldsonville, LA	WDMP 810 WSEM 1500 WSLG 1090
ı	Chicago Hgts, İL	WYON 1390 WSBC 1240 WMPP 1470 WCGO 1600	Columbia, TN	WOIC 1320 WNOK 1230 WQXL 1470 WMCP 1280	Dade City, FL Dadeville, AL Daingerfield, TX Daihart, TX	WDCF 1350 WDLK 1450 KEGG 1560 KXIT 1410	Donelson, TN Doniphans, MO Dora, AL	WAMB 1170 KDFN 1500 WPYK 1010
ı	Chickasha, OK Chico, CA	KWCO 1580 KHSL 1290 KPAY 1060	Columbus, GA	WKRM 1340 WBAK 540 WRCG 1440	Dallas, GA Dallas-Gastonia, NC Dallas, OR	WKRP 1500 WAAK 960 KROW 1460	Dothan, AL Douglas, AZ	WAGF 1320 WDIG 1450 WOOF 560 KDAP 1450
- 1	Chicopee, MA Chiefland, FL Childress, TX	WACE 730 WLQH 940 KCTX 1510		WHYD 1270 WCLS 1580 WOKS 1340	Dallas, TX	KRLD 1080 KPBC 1040 KSKY 660	Douglas, GA	KAPR 930 WDMG 860 WOKA 1310
- 1	Chillicothe, MO Chillicothe, OH China Grove, NC	WBEX 1490 WCHI 1350 WRNA 1140	Columbus, IN Columbus, MS	WPNX 1460 WCSI 1010 WACR 1050		KLIF 1190 WFAA 570 KBOX 1480	Douglas, WY Douglasville, GA Dover, DE	KWIV 1470 WDGL 1520 WDOV 1410
-1	Chippewa Falls, Wi Christiansburg, VA	WBGC 1240 WAYY 1150 WJJJ 1260	Columbus, NE	WCBI 550 WMBC 1400 KJSK 900 KTTT 1510	Dallas-Fort Worth, TX Dalton, GA	WFAA 570 WBLJ 1230 WRCD 1430	Dover, NH Dover, NJ Dover-Foxcroft, ME	WKEN 1600 WTSN 1270 WRAN 1510 WDME 1340
1	Christiansted, VI Church Hill, TN Churchville, CA	WSTX 970 WMCH 1260 WABH 1150	Columbus, OH	WBNS 1460 WCOL 1230 WMNI 920	Danbury, CT Danville, NY	WTTI 1530 WALD 800 WDNY 1600	Dover-New Philadelphia	OH WJER 1450 WDOW 1440
- 1	Cincinnati, OH	WXOL 1450 WCKY 1530 WCIN 1480	Colvillo MA	WOSU 820 WTVN 610 WVKO 1580	Danville, IL Danville, KY	WDAN 1490 WITY 980 WHIR 1230	Doylestown, PA Dublin, GA	WBUX 1570 WMLT 1330 WXLT 1230
		WKRC 550 WLW 700 WSAI 1360 WUBE 1230	Colville, WA Comanche, TX Commerce, GA Concord, CA	KCVL 1270 KCOM 1550 WJJC 1270 KWUN 1480	Danville, PA Danville, VA	WKLO 1000 WPGM 1570 WBTM 1330 WYPR 970	Dubuque, IA	WCED 1420 KDTH 1370 WDBQ 1490 KDAL 610
	Circleville, OH Clanton, AL	WZIP 1050 WNRE 1540 WKLF 980	Concord, NH Concord, NC Concordia, KS	WKXL 1450 WEGO 1410 KNCK 1390	Dardanelle, AR	WDVA 1250 WILA 1580 KCAB 980		WEBC 560 KQDS 1390 WWKC 850
	Clare, MI Claremont, NH Claremont, OK	WRNN 990 WTSV 1230 KWPR 1270	Connellsville, PA Connersville, IN	WCVI 1340 WCVB 1580	Darlington, SC Davenport, IA	WDAB 1350 WDC 1420 KWNT 1580	Dumas, TX Duncan, OK	KDDA 1560 KDDD 800 KRHD 1350
	Claremore, OK Clairon, PA Clarksburg, WV	WWCH 1300 WPQZ 1400 WHAR 1340	Conroe, TX Conway, AR	KIKR 9900 KSKS 1140 KCON 1230 KVEE 1330	Dawson, GA Dayton, IA	KSTT 1170 WDWD 990 WHIO 1290 WING 1410	Dunedin, FL Dundee, NY Duniap, TN Dunnellon, FL	WWQT 1470 WFLR 1570 WSVC 1190
	Clarksdale, MS	WPDX 750 WKDI 1600 WROX 1450	Conway, NH Conway, SC	WBNC 1050 WLAT 1330 WJXY 1050	Dayton, TN	WONE 980 WAVI 1210 WREA 1520	Dunkirk, FL Dunn, NC Du Quoin, IL	WGAM 920 WDOE 1410 WCKB 780 WDQN 1580
	Clarkston, WA Clarksville, AR Clarksville, GA	KCLK 1430 KLYR 1360 WIAF 1500	Conyers, GA Conyers, GA Cookeville, TN	WCGA 1050 WCGA 1050 WHUB 1400	Dayton, TX Daytona Beach, FL	WDNT 1280 WNDB 1150 WMFJ 1450	Durand, WI Durango, CO	WRDN 1430 KIUP 930 KDGO 1240
	Clarksville, TN	WJZM 1400 WDXN 540 WKVL 1550 KCAR 1350	Coolldge, AZ Coos Bay, OR	WPTN 1550 KCKY 1150 KHSN 1230 KYNG 1420	Deadwood, SD Dearborn, Mi Decatur, AL	WROD 1340 KDSJ 980 WNIC 1310	Durant, OK Durham, NC	KSFO 750 WDNC 620 WSRC 1410
	Clayton, GA Clayton, GA Clayton, MO	WCLA 1470 WGHC 1570 KADI 1320	Copper Hill, TN Coquille, OR. Coral Gables, FL	WLSB 1400 KWRO 630 WRHC 1550	Decatur, AL Decatur-Atlanta, GA	WHOS 600 WAJF 1490 WMSL 1400 WGUN 1010	Dyersburg, TN	WDUR 1490 WTIK 1310 WDSG 1450 WTRO 1330
	Clayton, NM Clayton, NC	KFUO 850 KLMX 1450 WHPY 1590	Corbin, KY	WYCG 1080 WCTT 680 WYGO 1300	Decatur, JL	WXLL 1310 WDZ 1050 WSOY 1340	Eagle Pass, TX Eagle River Easley, SC	WERL 950 WELP 1360
80	Clearlield, PA Clearwater, FL	WCPA 900 WTAN 1340	Cordele, GA Cordova, AR	WMJN 1490 KLAM 1450	Decatur, IN Decorah, IA	WADM 1540 KWLC 1240	E. Grand Forks, MN	KRAD 1590 KERC 1590

Location Ca	all kHz	Lo <mark>cation</mark> Ca	all kHz	Location C	all kHz	Location C	Call kHz
East Lansing, MI	WKAR 870 WVIC 730		WGBF 1280 WIKY 820	Ft. Walton Beach, FL	WNUE 1400 WDIS 1260	Glennallen, AK	KGLE 590 KCAM 790
East Liverpool, OH	WVIC 730 WOHI 1490		WIKY 820 WKKR 1330	Ft. Wayne, IN	WGL 1250	Glens Falls, NY	WBZA 1410
East Longmeadow, MA Eastman, GA	WIXY 1600 WUFF 710	Eveleth, MN Everett, PA	WEVE 1340 WSKE 1050		WFCV 1090 WOWO 1190	Glennville, GA	WWSC 1450 WKIG 1580
East Moline, IL East Point, GA	WDLM 960 WTJH 1260	Everett, WA	KRKO 1380 KWYZ 1230		WLYV 1450 WQHK 1380	Glenwood, AZ Glenwood Springs, CO	KWXI 1470 KGLN 980
East Prairle, MO	KYMO 1080	Evergreen, AL	WBLO 1470	Ft. Worth, TX	KJIM 870 KMZK 1540	Globe, AZ Gloucester, VA	KGJM 1240 WDDY 1470
East St. Louis, IL East Syracuse, NY	WESL 1490 WYRZ 1540	Ewing, NJ Excelsior Springs, ME	WTNG 1300 KEXS 1090		KFJZ 1270	Gloversville-Johnston,	
Easton, MD Easton, PA	WEEX 1230	Exeter, NH Fairbanks, AK	WKXR 1540 KFAR 660		KNOK 970 WBAP 820	Gold Beach, OR	KBLY 1220
Eaton, OH	WEST 1400 WCTM 1130		KFRB 900 KIAK 970		KITA 1540 KXOL 1360	Golden Meadow, LA Golden Valley, MN	KLEB 1600 KQRS 1440
Eatonton, GA	WXPQ 1520 WHTG 1410	Fairbanks, AL Fair Bluff, NC	KFRB 820	Fostoria, MN Fostoria, OH	KEHG 1480 WFOB 1430	Goldsboro, NC	KUXL 1570 WFMC 730
Eatontown, NJ Eau Claire, WI	WEAQ 790	Fair Bluff, NC Fairbury, NE	WWKO 1480 KGMT 1310	Fountain Inn, SC	WFIS 1600		WGBR 1150
	WJJK 1400 WOKL 1050	Fairtax, VA Fairtield, AL	WEEL 1310 WJLD 1400	Fowler, CA Framingham, MA	KLIP 1220 WKOX 1190	Gonzales, LA	WYNG 1300 WSLG 1090
Eau Gaille, FL Ebensburg, PA	WTAI 1560 WEND 1580	Fairtield, IL Fairtield IA	WFIW 1390 KMCD 1570	Frankfort, IN Frankfort, KY	WILO 1570 WFKY 1490	Gonzales, TX Goodland, KS	KCTI 1450 KLOE 730
Eden, NC	WCBX 1130 WLOE 1490	Fairlield IA Fairlield, OH Fairhope, AL	WCNW 1560 WABF 1220	Franklin, KY	WKED 1130 WFKN 1220	Gordon, GA Gorham, ME	WIZY 1560 WDCI 1590
Edenton, NC	WCDJ 1260	Fairmont, MN	KSUM 1370	Franklin, LA	KFRA 1390	Goshen, IN Gouverneur, NY	WKAM 1460 WIGS 1230
Edinburg, TX Edmonds, WA	KURV 710 KGDN 630	Fairmont, NC Fairmont, WV	WFMO 860 WMMN 920	Franklin, NC	WFSC 1050 WLTM 1480	Gouverneur, NY Grafton, ND	KXPO 1340
Edna, TX Effingham, IL	KQTI 1130 WCRA 1090.	Fairway, KS	WTCS 1490 KCNW 1380	Franklin, NH Franklin, PA	WFTN 1240 WFRA 1450	Grafton, WV Graham, NC	WVVW 1260 WSML 1190
Elba, AL	WELB 1350 WSGC 1400	Fairway, KS Fajardo, PR Faifurrias, TX	WMDD 1480 KPSO 1260	Franklin, TN	WAGG 950 WIZO 1380	Graham, TX Granbury, TX	KSWA 1330 KPAR 1420
Elberton, GA El Cajon, CA	KMJC 910	Fallon, NV	KVLV 980	Franklin, VA	WYSR 1250	Grand Coulee, WA	KNCW 1490
El Campo, TX El Centro, CA	KULP 1390 KXO 1230	Fall River, MA	WALE 1400' WSAR 1480	Franklinton, LA Frederick, MD	WFMD 930	Grand Forks, ND	KFJM 1370 KKXL 1440
El Dorado, AR	KAMP 1430 KDMS 1290	Falls Church, VA Falls City, NE	WFAX 1220 KTNC 1230	Frederick, OK	WZYQ 1370 KTAT 1570	Grand Haven, MI	KNOX 1310 WGHN 1370
	KELD 1400	Falls City, NE Fargo, ND	WDAY 970	Fredericksburg, TX	KNAF 910 WFAV 1230	Grand Island, NE	KMMJ 750 KRGI 1430
El Dorado, KS Eldorado Springs, MO	KOYY 1360 KESM 1580		KFGO 790 KFNW 1170	Fredericksburg, VA	WFLS 1350	Grand Junction, CO	KREX 1100
Eleele, Kanal, HI Elgin, IL	KUAI 720 WRMN 1410	Faribault, MN	KQWB 1550 KDHL 920	Fredericksted, VI Fredericktown, MÖ	WRRA 1290 KFTW 1450		KEXO 1230 KSTR 620
Elgin, TX	KELG 1440 WLEJ 1560	Farmersville, LA Farmington, ME	KTDL 1470 WKTJ 1380	Fredonia, NY Freeport, IL	WBUZ 1570 WFRL 1570	Grand Prairle, TX	KQIL 1340 KKDA 730
Ellijay, GA Elizabeth, NJ Elizabeth City, NC	WJDM 1530	Farmington, MO	KREI 800	Freeport, NY	WGBB 1240	Grand Rapids, MI	WMAX 1480 WCUZ 1230
Elizabeth City, NC	WCNC 1240 WGAI 560	Farmington, NM	KENN 1390 KNDN 960	Freemont, MI	KBRZ 1460 WSHN 1550 KHUB 1340		WFUR 1570
Elizabethton, TN	WBEJ 1240 WIDD 1520	Farmville, NC	KRZE 1280 WFAG 1250	Fremont, NE Fremont, OH	KHUB 1340 WFRO 900		WGRD 1410 WTWN 1340
Elizabethtown, KY Elizabethtown, NC	WIEL 1400 WBLA 1440	Farmville, VA	WFLO 870 WPAK 1490	Fresno, CA	KARM 1430 KBIF 900	Grand Rapids, MN	WOOD 1300 KOZY 1320
Elizabethtown, PA	WPDC 1600	Farrell, PA	WFAR 1470		KIRV 1510 KEAP 980	Granger, UT Grangeville, ID	KRGO 1550 KORT 1230
Elkhorn City, KY Elk City, OK	WBPA 1460 KADS 1240	Farwell, TX Fayette, AL	WWWF 990		KXEX 1550	Granite City, IL	WGNU 920
Elkhart, IN	WCMR 1270 WTRC 1340	Fayetteville, AR	KHOG 1440 KFAY 1250		KFRE 940 KGST 1600	Granite Falls, NC Grants, NM	KWIN 980 WKJK 900
Elkins, NC Elkins, WV	WIFM 1540 WDNE 1240	.Fayetteville, NC	WFAI 1230 WFNC 940		KMAK 1340 KMJ 580	Grants Pass, OR	KAGI 930 KAJO 1270
Elko, NV	KELK 1240		WFLB 1490	Front Royal TV	KYNO 1300 WFTR 1450	Grass Valley, CA Grayling, MI	KNCO 1250 WGRY 1590
Elkton, MD Elkton, KY WSR	WSER 1550 G 1070	Fayetteville, TN	WIDU 1600 WEKR 1240	Front Royal, TX Frostburg, MD Fulton, KY-South Fulto	WFRB 560	Grayson, KY	WGOH 1370
Ellensburg, WA NEW	KXLE 1240 WELV 1370	Fergus Falls, MN	WIXC 1140 KBRF 1250	Fulton, KY-South Fulto	on, TN WFUL 1270	Gt. Barrington, MA Gl. Bend, KS	WSBS 860 KVGB 1590
Ellijay, GA	WEGB 1560 WDEA 1370	Fernandina Beach, FL Ferriday, LA	WYHI 1570 KFNV 1600	Fulton, MS Fulton, MO	WFTO 1330 KFAL 900	Great Falls, MT	KEIN 1310 KQDI 1450
Ellsworth, ME Elmhurst, IL	WKDC 1530	Ferriday, LA Festus, MO	KJCF 1400	Fulton, NY	WOSC 1300		KMON 560 KARR 1400
Elmira, NY	WELM 1410 WENY 1230	Festus-St. Louis, MO Findlay, OH	* KXEN 1010 WFIN 1330	Fuquay-Varina, NC Gadsden, AL	WAKS 1460 WGAD 1350	Greeley, CO	KFKA 1310
Elmira Heights- Horseheads, NY	WEHH 1590	Fisher, WV Fitchburg, MA	WELD 690 WEIM 1260		WJBY 930 WAAX 570	Green Bay, WI	KYOU 1450 WGEE 1360
Horseheads, NY El Paso, TX	KROD 600 KAMA 1060		WFGL 960 WBHB 1240	Gattney, SC	WFGN 570 WEAC 1500		WDUZ 1400 WNFL 1440
	KELP 920	Fitzgerald, GA Flagstaff, AZ	KCLS 600	Galnesville, FL	WDVH 980 WGGG 1230	Greeneville, TN	WGRV 1340 WSNG 1450
	KHEY 690 KKOL 1590		KAFF 930 KEOS 690		WRUF 850	Greenfield, MA	WHAI 1240
	KISO 1150 KSET 1340	Flat River, MO Flint, MI	WFDF 910	Gainesville, GA	WAKA 1390 WGGA 550	Green River, WY	WPOE 1520 KUGR 1490 WBIG 1470
El Reno, OK	KTSM 1380 KCAN 1460	*	WTRX 1330 WAMM 1420		WDUN 1240 WNRJ 1130	Greensboro, NC	WBIG 1470 WCOG 1320
Ely, MN	WELY 1450		WCZN: 1570	Gainesville, TX Gaiax, VA	KGAF 1580 WBOB 1360		WEAL 1510 WGBG 1400
Elyna, OH	WEOL 930	F1 1	WKMF 1470 WTAC 600	Galesburg, IL	WGIL 1400	Greenshire	WPET 950 WTRE 1330
Eminence, KY Emporia, KS	WSTL 1600 KVOE 1400	Flomaton, AL Florala, AL	WTCB 990 WKWL 1230	Gallon, OH	WAIK 1590 WGLX 1570	Greensburg, IN Greensburg, KY Greensburg, PA	WTRE 1330 WGRK 1550 WHJB 620
Emporia, VA Emporium, PA	WEVA 860 WLEM 1250	Florence, AL	WXOR 1340 WOWL 1240	Gallatin, TN	WHIN 1010 WAMG 1130	Greensburg, PA Greenville, AL	WGYV 1380
Endicott, NY England, AR	WENE 1430	Florence, SC	WJMX 970 WOLS 1230	Galapolis, OH Gallup, NM	WJEH 990 KGAK 1330	Greenville, MI Greenville, MS	WPLB 1380 WNIX 1330
Englewood, CO	KELC 1530 KWBZ 1150 WENG 1530	Flouded TV	WYNN 540	Gallup, NM Galveston, TX	KYVA 1230	,	. WDDT 900
Englewood, FL Englewood, TN	WENG 1530 WEHA 1090	Floydada, TX Foley, AL	WHEP 1310		KILE 1400 KGBC 1540 WMMT 1520	Greenville NO	WGVM 1260 WPZQ 1550 WNCT 1070
Enid, OK	KCRC 1390 KGWA 960	Fond du Lac, WI Fordyce, AR	KFIZ 1450 KBJT 1570	Garden City, GA Garden City, KS	WMMT 1520 KUIL 1240	Greenville, NC	WNCT 1070 WOOW 1340
Enterprise, AL Enterprise, OR	WIRB 600 KWVR 1340	Forest, MS Forest City, NC.	WMAG 850 WBBO 780	Garden City, MI	KBUF 1050 WCAR 1090	Greenville, PA	WPXY 1550
Ephrata, PA	WGSA 1310		WAGY 1320 KVAC 1490	Garden City, MI Gardiner, ME Gardner, MA	WABK 1280 WGAW 1340	Greenville, SC	WESC 660 WFBC 1330 WHYZ 1070
Ephrata, WA Erle, PA	KULF 730 WLKK 1260	Forks, WA Forrest Cily, AR	KXJK 950	Garner, NC	WKBQ 1000		WHYZ 1070
	WJET 1400 WRIE 1330	Forsyth, MT Ft. Atkinson, WI	KIKC 1250 WFAW 940	Gary, IN	WWCA 1270 WLTH 1370		WMRB 1490 WMTY 1090
Erwin, TN	WEYZ 1450 WEMB 1420	Ft. Bragg, CA Ft. Campbell, KY	KDAC 1230 WABD 1370	Garyville, LA Gastonia, NC	WKQT 1010		WMUU 1260 WQOK 1440
Escanaba, MI	WDBC 680	Ft. Campbell, KY Ft. Collins, CO	KCOL 1410	Gate City, VA	WGNC 1450 WLTC 1370 WGAT 1050	Greenville, TX Greenwich, CT	KGVL 1400 WGCH 1490
Escanaba, MI Escondido, CA	WBDN 600 KOWN 1450	Ft Dodge, IA	KIIX 600 KVFD 1400 KWMT 540	Gaylord, MI	WATC 900	Greenwood, AR Greenwood, MS	KACJ 15.10 WABG 960
Espanoia, NM Estes Park, CO	KDCE 970 KSIR 1470	Ft. Kent, ME	WLVC 1340	Genesco, IL Geneva, AL	WGEN 1500 WGEA 1150		WGRM 1240
Estherville, IA Etowah, TN	KILR 1070 WCPH 1220	Ft. Knox, KY Ft. Lauderdale, FL	WSAC 1470 WFTL 1400	Geneva, IL Geneva, NY	WGSB 1480 WGVA 1240	Greenwood, SC	WSWG 1540 WCRS 1450
Etowan, IN Eufula, AL Eugene, OR	WULA 1240 KEED 1450	A duic, FL	WSRF 1580 WAVS 1190	Georgetown, DE Georgetown, KY	WJWL 900 WAXU 1580		WMTY 1090 WGSW 1350
gone, On	KEED 1450 KASH 1600 KATR 1320	Ft. Madison, IA	KXGI 1360	Georgetown, KY Georgetown, SC	WGTN 1400	Greer, SC	WEAB 800
	KORE 1050	Ft. Morgan, CO Ft. Myers, FL	KFTM 1400 WINK 1240	Georgetown TX	WINH 1470 KGTN 1530	Grenada, MS	WCKI 1300 WNAG 1400
	KBDF 1280 KPNW 1120		WMYR 1410 WCAI 1350	Gettysburg, PA	WGET 1320 KIML 1270	Gresham, OR Gretna, LA	KRDR 1230 KGLA 1540
Eunice, LA	KUGN 590 KEUN 1490	Ft. Payne, AL	WFPA 1400 WZOB 1250	Gillette, WY Gilmer, TX Gilroy, CA	KHYM 1060 KAZA 1290	Gretna, VA Greybull, WY	WMNA 730 KMMZ 1140
	WEPA 710	Ft. Pierce, FL	WFTP 1330 WIRA 1400	Gladewater, TX Gladwin, MI	KEES 1430 WJEB 1350	Griffin, GA	WKEU 1450 WHIE 1320
Eupora, MS	KINS 980		1400	- www. Wi	1350		nc 1320
	KEKA 790	Ft. Scott, KS	KMDO 1600	Glasgow, KY	WKAY 1490	Colon II	WGRI 1410
Eupora, MS Eureka, CA Eustis, FL	KEKA 790 KRED 1480 WLCO 1240	Ft. Scott, KS Ft. Smith, AR	KFPW 1230 KFSA 950	Glasgow, KY Glasgow, MT	WKAY 1490 WCDS 1440 KLTZ 1240	Grinnell, IA Groton-New London,	WGRI 1410 KGRN 1410 CT
Eupora, MS Eureka, CA	KEKA 790		KFPW 1230	Glasgow, KY	WCDS 1440 WCDS 1440 KLTZ 1240 WJRO 1590 KRUX 1360 KIEV 870		WGRI 1410 KGRN 1410

Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call k
		Highland Springs, VA					
Gulfport, MS	WBJA 1540 WGUF 1130 WGCM 1240	High Point, NC	WMFR 1230 WOKX 1590	Indianola, IA Indianola, MS Indian Rocks Beac		Kalamazoo, MI	WKPR 14 WZKO 5 WKMI 13
Gulfport-Biloxi, MS Gunnison, CO Guntersville, AL	WROA 1390 KRUC 1490 WGSV 1270	Hillsboro, OH Hillsboro, OR	WGOS 1070 WSRW 1590 KUIK 1360	Indio, CA Inglewood, CA	WGNB 1520 KREO 1400 KTYM 1460	Kalkaska, Mi Kaliispeli, MT	WYYY14 WTGE 14
Guthrie, OK Guymon, OK	KOKC 1490 KGYN 1210	Hillsboro, TX Hillsdale, MI	KHBR 1560 WCRS 1340	inez, KY Inkster, Mi	WFJT 1590 WCHB 1440	Kalkaska, Mi	KGEZ 6 KOFI 11 WEQC 14
Hackensack, NJ Hackettstown, NJ Hagerstown, MD	WWDJ 970 WRNJ 1000 WARK 1490	Hilisville, VA Hilo, Hi	KPUA 670 KIPA 620	International Falls, Inverness, FL Iola, KS	MN KGHS 1230 WYSE 1560 KIKS 1370	Kane, PA Kankakee, IL Kannapolis, NC	WKZA 9 WKAN 13 WGTL 8
Halley, ID	WJEJ 1240 KSKI 1340	Hindman, KY	KHLO 850 WKCB 1340	Ionia, MI Iowa City, IA	WION 1430 KXIC 800	Kansas City, KS	WRKB 14 KCKN 13
Haines City, FL Haieyville, AL Haifway, MD	WFXI 930 WJBB 1230 WHAG 1410	Hinesville, GA Hinton, WV Hobart, OK	KGML 990 WMTD 1380 KTJS 1420	lowa Falls, IA Irondale, AL	KCJJ 1560 KIFG 1510 WLPH 1480	Kansas City, MO	KCMO B
Hallettsville, TX Hamden, CT	KRJH 1520 WOMN 1220	Hobbs, NM	KWEW 1480 KHOB 1390	iron Mountain, Mi iron River, Mi	WMIQ 1450 WIKB 1230		KMBZ 9 KPRS 15 WDAM 6
Hamilton, AL Hamilton, MT Hamilton, OH	WERH 970 KLYQ 1240 WMOH 1450	Hohenwald, TN Holbrook, AZ Holdenville, OK	WMLR 1230 KDJI 1270 KVYL 1370	fronton, OH fronton, MO franwood, MI	WIRO 1230 KPIA 1480 WJMS 590	Kaukauna, W(Kealakekua, H)	WHB 7 WKAU 10 KKON 7
Hamilton, TX Hamlet, NC	KCLW 900 WKDX 1250	Holdrege, NE Holland, MI	KUVR 1380 WHTC 1450	Irvine, KY Isabella, PR	WIRV 1550 WISA 1390	Kearney, NE	KGFW 13
Hammond, IN Hammond, LA Hammonton, NJ	WFPR 1400 WRDI 1580	Holly Hill, SC Hollister, CA	WJBL 1260 WKHJ 1440 KMPG 1520	ishpeming, Mi Islip, NY Ithaca, NY	WUPY 970 WLIX 540	Keene, NH	WKNE 12 WKBK 12
Hampton, SC Hampton, VA	WBHC 1270 WWDE 1490	Hollywood, FL Holly Springs, MS	WLQY 1320 WKRA 1110	luka, MS	WHCU 870 WTKO 1470 WVOM 1270	Kelso, WA Kemmerer, WY Kendalville, IN	KMER S
Hancock, MI Hanford, CA Hannibal, NH	WMPL 920 KNGS 620 WTSL 1400	Holyoke, MA Homer, AK Homestead, FL	WREB 930 KBBI 1250 WQDI 1430	Jackson, AL Jackson, GA Jackson, KY	WHOD 1230 WZAL 1540	Kenedy-Karnes City, Kennett, MO	TX KAML 9
Hanover, PA	WDCR 1340 WHVR 1280	Homewood, AL Hondo, TX	WJLD 1400 KRME 1460	Jackson, MI	WEKG 810 WXCM 1450 WKHM 970	Kennewick, WA	KOTY 13 KONA 6
Hardin, MT Hardinsburg, KY Hardy, AR	WHIC 1520 KSRB 1570	Honesdale, PA Honolulu, HI	WDNH 1590 KAIM 870	Jackson, MN	WDJD 1510 KKOJ 1190	Kenosha, Wi Kent, OH	WLIP 10 WKNT 15
Harlan, KY	WHLN 1410 WFSR 1470		KISA 1540 KCCN 1420 KSSK 590	Jackson, MS	WJDX 620 WJQS 1400 WJXN 1450	Kentwood, MI Keokuk, IA Kermit, TX	WKWM 11 KOKX 13 KERB 6
Harlingen, TX Harrisburg, IL	KGBT 1530 WEBQ 1240		KZOO 1210 KIOE 1080		WOKJ 1550 WCCL 1590	Kerrville, TX Kershaw, SC	KERV 12 WKSC 13
Harriman, TN Harrisburg, PA	WJZA 1600 WFEC 1400 WCMB 1460		KPOI 990 KIKI 830 KGU 760	Jackson, MO	WKXI 1300 WSLI 930 KJAS 1170	Ketchikan, AK Kewanee, IL	KTKN 9 KETH 12 WKEI 14
Harrison, AR	WHP 580 WKBO 1230		KPOJ 1040 KKUA 690	Jackson, OH Jackson, TN	WLMJ 1280 WDXI 1310	Keyser, WV Key West, FL	WKLP 13 WKWF 16
Harrisonburg, VA	WHBG 1360 WKCY 1300		KOHO 1170 KOHO 1170 KORL 650	Jackson, WI	WQZQ 1460 WTJS 1390 WYLO 540	Kihei, Hi Kilgore, TX	WKIZ 15 KHEI 11 KOCA 12
Harrodsburg, KY	WSVA 550 WHBN 1420	Hood River, OR	KUMU 1500 KIHR 1340	Jackson, WY Jacksonville, AL	K\$GT 1340 WJXL 810	Kileen, TX Kimball, NE	KIIZ 10 KIMB 12
Hartford, CT	WDRC 1360 WCCC 1290 WTIC 1080	Hope, AR Hopewell, VA Hopkinsville, KY	WHAP 1340 WHOP 1230	Jacksonville, AR Jacksonville, FL	WJAX 930 WAPE 690	King, NE King City, CA Kingman, AZ	WKTE 10 KRKC 14 KAAA 12
Hartford, KY Hartford, Wi	WLLS 1600 WTKM 1540	Hoquim, WA	WKOA 1480 KGHO 1560		WVOJ 1320 WEXI 1280	Kings Mountain, NC Kingsport, TN	WKNT 12 WKIN 13
Hartselle, AL Hartsville, SC	WHRT 860 WHSC 1450 WSDC 1490	Horsell, NY Horseleads, NY	WHHO 1320 WLEA 1480 WIQT 1000		WPDQ 1460 WCGL 1360 WOZN 970		WKPT 14 WGOC 10 WGHQ 9
Hartsville, TN Hartwell, GA	WJKM 1090 WKLY 980	Horseshoe Bend, AZ Hot Springs, AR	KHAM 1000 KBHS 590		WAIV 600 WROS 1090	Kingston, TN	WKNY 14 WTNR 14
Harvey, IL Harvey, IL Harvey, ND	WMCW 1600 WBEE 1570 KHND 1540	Houghton, MI	KXOW 1420 KZNG 1340 WCCY 1400		WQIK 1090 WERD 1400 WCRJ 1530	Kingstree, SC Kingsville, TX	WDKD 13 WKSP 10 KINE 13
Hastings, Mi Hastings, MN	WBCH 1220 KDWA 1460	Houghton Lake, MI Houlton, ME	WHGR 1290 WHOU 1340	Jacksonville, IL	WJIL 1550 WLDS 1180	Kingwood, WV Kingston, NC	WFSP 15- WELS 10
Hastings, NE Hatilio, PR	KHAS 1230 KICS 1550 WMSW 1120	Houma, LA Houston, MS Houston, MO	KJIN 1490 KCPC 940 KBTC 1250	Jacksonville, NC	WJNC 1240 WITZ 1290 WLAS 910	Kirkland, WA	WFTC 9 WISP 12 KGAA 14
Hattlesburg, MS	WBKH 950 WFOR 1400	Houston, TX	KCOH 1430 KENR 1070	Jacksonville, TX Jacksonville Beach, I	KEBE 1400 FL WBIX 1010	Kirksville, MO Kissimmee, FL	KIRX 14 WFIV 10
	WHSY 1230 WORV 1580 WXXX 1310		KEYH 850 KILT 610 KNUZ 1230	Jamestown, KY Jamestown, ND	WJKY 1060 KQDJ 1400 KSJB 600	Kittanning, PA Klamath Falls, OR	WMJK 12 WACB 13 KAGO 11
Havelock, NC Haverhill, MA Havre, MT	WCPQ 1330 WHAV 1330		KLAT 1010 KPRC 950	Jamestown, NY	WJTN 1240 WKSN 1340		KFLS 14 KLAD 9
Havre de Grace, MD Hawesville, KY	KOJM 610 WASA 1330 WKCM 1140		KULF 790 KTRH 740 KXYZ 1320	Jamestown, TN Jamesville, VA	WCLC 1260 WDEB 1500 WEXM 1520	Knox, IN Knoxville, IA Knoxville, TN	WKVI 15 KNIA 13 WHEL 12
Hawkinsville, GA Hays, KS Haynesville, LA	WCEH 610 KAYS 1400 KLUV 1580	Howell, MI Hugo, OK	KYOK 1590 WHMI 1350	Janesville, WI Jasper, AL	WCLO 1230 WWWB 1360		WIVK 8 WJBE 14
Hayward, CA Hayward, Wi	KIOI 1010 WHSM 910	Hudson, NY Humacao, PR	WHUC 1230 WALO 1240	Jasper, GA Jasper, IN	WARF 1240 WYYZ 1490 WITZ 990		WJRZ 6 WKGN 13 WKXV 9
Hazard, KY Hazelhurst, GA Hazelhurst, MS	WKIC 1390 WVOH 920 WMDC 1220	Humble City, NM Humboldt, TN	KCIA 1110 WIBJ 740 WHMT 1190	Jasper, TX Jeanette, PA	KTXJ 1350 WBCW 1530		WNOX 9
Hazelton, PA	WAZL 1490 WHZN 1300	Huntingdon, PA	WHUN 1150 WQRO 1080	Jefferson City, MO Jefferson City, TN	KLIK 950 KWOS 1240 WJFC 1480	Kodiak, AK	WRJZ 6 WSKT 15 KVOK 5
Heath, OH Heber Spring, AR Helena, AR	WHTH 790 KAWW 1370 KFFA 1360	Huntingdon, TN Huntington, IN Huntington, NY	WJPJ 1530 WHLT 1300 WGSM 740	Jeffersonville, IN Jellico, TN	WXVW 1450 WJJT 1540	Kokomo, IN Kosciusko, MS	WIOU 13
Helena, MT	KCAP 1340 KBLL 1240	Huntington, WV	WHTN 800 WGNT 930	Jens, LA Jenkins, KY Jennings, LA	WREM 1000 KJEF 1290	Kotzebue, AK Laconia, NH	WLNH 13 WEMJ 14
Hemet, CA Hemingway, SC	KMTX 950 KHSJ 1320 WKYB 1000	Huntsville, AL	WKSD 1470 WBHP 1230 WEUP 1600	Jerome, ID Jersey Shore, PA Jerseyville, IL	WJSA 1600 WJSM 1480	La Crosse, WI	WIZM 14 WLCX 14 WKTY 5
Hemphill, TX Hempstead, NY	KAWS 1530 WHLI 1100		WFIX 1450	Jesup, GA John Day, OR	WLOP 1370 KJDY 1400	Ladysmith, WI Lafayette, AL	WLDY 13
Henderson, KY Henderson, NV Henderson-Las Vegas	WSON 860 KVEG 1400	Huntsville, TX Huron, SD	WVOV 1000 KSAM 1490 KIJV 1340	Johnson City, IL Johnson City, TN	WDDW 810 WJCW 910 WETB 790	Lafayette, GA Lafayette, IN	WLFA 159 WASK 149
Henderson, NC	KVOV 1280 WHNC 890	Hurricane, WV	KOKK 1190 WZTQ 1080	Johnston, SC Johnstown, NY	WJES 1190 WIZR 930	Lafayette, LA	WAZY 141 WBAA 92 KPEL 142
Henderson, TN Henderson, TX	WIZS 1450 WHHM 1580 KGRI 1000	Hutchinson, KS Hutchinson, MN	KWBW 1450 KWHK 1260 KDUZ 1260	Johnstown, PA	WJAC 850 WJNL 1490 WCRO 1230	•	KVOL 133
Hendersonville, NC	KWRD 1470 WHKP 1450	Hyden, KY Hyde Park, NY	WSLK 1600 WWWI 950	Joliet, IL	WJOL 1340 WJRC 1510	Latayette, TN LaFollette, TN	KXKW 152 WEEN 146 WLAF 145
Henryetta, OK Hereford, TX	WHVL 1600 KGCG 1590 KPAN 880	Icard Township, NC Idabel, OK Idaho Falls, ID	WUIV 1580 KBEL 1240 KID 590	Jonesboro, AR Jonesboro, LA	KBTM 1230 KNEA 970 KTOC 920	LaGrande, OR LaGrange, GA	WLAG 124 WTRP 62
Herkimer, NY Hermiston, OR	WRMV 1420 KOHU 1360		KTEE 1260 KUPI 980	Jonesboro, TN Joplin, MT	WJSO 1590 WMBH 1450	LaGrange, IL LaGrange, TX	WTAQ 130 KVLG 157
Herndon, VA Herrin, IL Hettinger, ND	WOHN 1440 WHPI 1340 KNDC 1490	Immokalee, FL* Independence, CA Independence, IA	KNYO 600 KOUR 1220		KQYX 1560 KFSB 130 KODE 1230	LaJunta, ĆO Lake Charles, LA	KBZZ 140 KLOU 158
Hibbing, MN	WMFG 1240 WKKQ 1060	Independence, KS Independence, MO	KIND 1010 KCCV 1510	Juncos, PR Juncos, PR	WFAB 1460 WFAB 1460	Lake City, FL	KLCL 147 KAOK 140 WDSR 134
Hickory, NC	WHKY 1290 WIRC 630 WSPF 1000	Indiana, PA Indianapolis, IN	WDAD 1450 WATI 810 WBRI 1500	Junction, TX Junction City, KS Juneau, AK	KMBL 1450 KJCK 1420 KINY 800	Lake City, SC Lake Geneva, Wi	WGRO 96 WJOT 126 WMIR 155
Highland, IL	WINU 1520		WNDE 1260 WIBC 1070	- Live Line All	KJNO 630	Lake Havasu City, AZ	

				U.S. AM	STATION	NS BY LO	CATION
Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
	WWAS 1330	Laylantan B. 1 cm					
Lake Placid, NY	WIRD 920	Lexington Park, MD Libby, MT	WPTX 920 KLCB 1230	Macon, GA	WBML 900 WCRY 900	McAlester, OK	KMTC 1400 KNED 1150
Lakeport, CA Lake Providence,	KBLC 1270 LA KLPL 1050	Liberal, KS	KSCB 1270 KLIB 1470		WDDO 1240	McAllen, TX	KRIO 910
Lake Tahoe, CA Lakeview, OR	KOWL 1490 KQIK 1230	Liberty, KY	WKDO 1560		WDEN 1500 WIBB 1280	McCall, ID McComb, MS	KMCL 1240 WHNY 1250
Lake Wales, FL	WIPC 1280	Liberty, MO Liberty, NY	KFIX 1140 WVOS 1240		WMAZ 940 WNEX 1400		WAKK 1140
Lakewood, CO Lakewood, NJ	KLAK 1600 WHLW 1170	Liberty, TX Libue, HI	KPXE 1050 KIVM 1350	Macon, MO	KLT1 1560	McConnellsburg, PA	
Lakewood, WA Lake Worth, FL	KLAY 1480	Lillington, NC	WLLN 1370	Madawaska, ME Madera, CA	WSJR 1230 KHOT 1250	McCook, NE	KBRL 1300 KICX 1360
Lamar, CO	WLIZ 1380 KLMR 920	Lima, OH	WIMA 1150 WCIT 940	Madill, OK Madison, FL	KMAD 1550 WMAF 1230	McFarland, CA	KXEM 1590
Lamesa, TX Lampasas, TX	KPET 690 KCYL 1450	Lincoln, IL Lincoln, ME	WPRC 1370	Madison, GA	WYTH 1250	McGehee, AR McKeesport, PA	WEDO 810
Lancaster, CA	KAVL 610	Lincoln, ME Lincoln, NE	WLKN 1450 KFOR 1240	Madison, IN Madison, SD	WORX 1270 KJAM 1390	McKenzle, TN	WIXZ 1360 WHDM 1440
Lancaster, KY	KKZZ 1380 WIXI 1280		KLIN 1400 KLMS 1480	Madison, TN Madison, Wi	WJRB 1430	McKinney-Piano, TX	(
Lancaster, NY Lancaster, OH	WXRL 1300 WHOK 1320	Lincoln City, OR	KECK 1530		WHA 970 WIBA 1310	McLeansboro, IL	KYAL 1600 WMCL 1060
Lancaster, PA	WLAN 1390	Lincolnton, NC	KBCH 1380 WLON 1050		WISM 1480 WTSO 1070	McMinnville, OR McMinnville, TN	KCYX 1260 WBMC 960
Lancaster, PA Lancaster, SC	WLCM 1360	Lineville, AL Linton, IN	WANL 1540 WBTO 1600	Madison, WV	WMAD 1550 WWBB 1450		WAKI 1230
Lancaster, Wi	WAGL 1360 WGLR 1280	Litchfield, IL Little Falls, MN	WSMI 1540	Madisonville, KY	WFMW 730	McPherson, KS McRae, GA	KNEX 1540 WDAX 1410
Lander, WY	KOVE 1330	Little Falls, NY	KLTF 960 WLFH 1230	Madisonville, TN	WTTL 1310 WZZI 1250	Meadville, PA Mebane, NC	WMGW 1490 WHNI 1060
Lanett, AL Langdon, ND	WRLD 1490 KNDX 1080	Littlefleld, TX Little Rock, AR	KZZN 1490 KARN 920	Magee, MS Magnolla, AR	WSJC 810 KVMA 630	Medford, MA	WXKS 1430
Lansdale, PA Lansford, PA	WNPV 1440 WLSH 1410		KOKY 1250	Maksville, NC	WDSL 1520	Medford, OR	KMED 1440 KISD 860
Lansing, MI	WILS 1320		KLRA 1010 KITA 1440	Malden, MO Malone, NY	KTCB 1470 WICY 1490		KBOY 730 KHUG 1300
	WJIM 1240 WITL 1010		KAAY 1090 KSOH 1050	Malvern, AR Manassas, VA	KBOK 1310	Bladford	KYJC 1230
Lapeer, MI	WMPC 1230 WTHM 1530	Littleton, CO	KDKO 1510	Manati, PR	WPRW 1460 WMNT 1500	Medford, Wi Meeker, CO	WIGM 1490 KMKR 1450
LaPlata, MD	WSMD 1560	Littleton, NH Live Oak, FL	WLTN 1400 WNER 1250	Manchester, CT Manchester, GA	WINF 1230 WFDR 1370	Melbourne, FL	WMMB 1240 WMEL 920
LaPorte, IN Laramie, WY	WLOI 1540 KOJO 1490	Livingston, MT Livingston, TN	KPRK 1340 WLIV 920	Manchester, KY Manchester, NH	WWXL 1450 WFEA 1370	Memphis, TN	WHBQ 560
Laredo, TX	KOWB 1290 KLAR 1300	Livingston, TX	KETX 1440	anchester, NH	WGIR 610		WWEE 1430 WMC 790
	KVOZ 1490	Lockhart, TX Lock Haven, PA	KCLT 1060 WBPZ 1230	Manchester, TN	WKBR 1250 WMSR 1320		WDIA 1070 WMPS 680
Lares Largo, FL	WGDL 1200 WSST 800	Lockport, NY Lodi, CA	WLVL 1340 KCVR 1570	Manhattan, KS	KSAC 580		WLOK 1340
Larned, KS LaSalle, IL	KANS 1518 WLPO 1220	Logan, OH	WLGN 1510	Manistee, MI	KMAN 1350 WMTE 1340		WMQM 1480 WREC 600
LasCruces, NM	KOBE 1450	Logan, UT	KBLQ 1390 KVNU 610	Manistique, Mi Manitou Springs, Co	WTIQ 1490	Memphis, TX	KWAM 990 KLSR 1130
Las Vegas, NV	KGRT 570 KENO 1460	Logan, VT Logan, WV	KBLW 1390 WLOG 1230	Minitowoe, WI	WCUB 980	Mena, AR	KENA 1450
	KLAV 1230 KRAM 1340	Logansport, IN	WVOW 1290	Mankato, MN	WOMT 1240 KYSM 1230	Mendota, IL Menominee, Mi	WGLC 1090 WAGN 1340
	KORK 920	Logansport, IN Lompoc, CA	WSAL 1230 KLVV 1410	Manning, SC	KTOE 1420 WYMB 1410	Menomonie, WI Merced, CA	WMNE 1360 KYOS 1480
1	KNUU 970 KDWN 720		KLOM 1330 KNEZ 960	Mansfield, LA Mansfield, OH	KDXI 1360		KMCE 1580
Las Vegas, NM	KFUN 1230 KNMX 540	London, KY Long Beach, CA	WFTG 1400		WMAN 1400 WCLW 1140	Meriden, CT Meridian, MS	WMMW 1470 WCOC 910
Latrobe, PA	WQTW 1570	Long Beach, CA	KFRN 1280 KGER 1390	Manti, UT Many, LA	KMTI 1590 KWLA 1400		WDAL 1330 WMOX 1010
Laurel, MD	WEYA 900	Longmont, CO Long Island, AK	KLMO 1060 KABN 1150	Maplewood MN Maquoketa, IA	WMIN 1010 KMAQ 1320		WOKK 910
Laurel, MS	WAML 1340 WLAU 1430	Long Prairie, MN Longview, TX	KEYL 1400	Marathon, FL	WFFG 1300		WQIC 1450 WFEZ 1390
Laurel, MT	WQIS 1260 KLYC 1490		KFRO 1370 KLUE 1280	Marco Island, FL Marianna, AR	WMIB 1510 KZOT 1460	Merkel, TX Merrill <mark>, W</mark> I	KBGG 1500 WJMT 730
Laurens, SC	WLBG 860	Longview, WA.	KEDO 1400 KBAM 1270	Marianna, FL	WTYS 1340 WTOT 980	Mesa, AZ	KBUZ 1310
Laurinburg, NC	WEWO 1080 WLNC 1300	Lookout Mountain- Chattanooga, TN	WFLI 1070	Marletta, GA	WFOM 1230	N-4	KJQB 1510 KZZP 1310
Lawrence, KS	KFKU 1250 KLWN 1320	Lorain, OH	WLRO 1380	Marietta, OH	WBIE 1080 WMOA 1490	Metropolis, IL Metter, GA	WMOK 920 WMAC 1360
Lawrnece, MA	WCCM 800	Loretto, PA Loris, SC	WAMQ 1400 WLSC 1570	Marine City, Mi	WBRJ 910 WSMA 1590	Mexia, TX Mexico, MO	KBUS 1590 KXEO 1340
Lawrenceburg, TN Lawrenceville, GA	WDXE 1370 WLAW 1360	Los Alamos, NM Los Angeles, CA	KRNS 1490 KABC 790	Marinette, WI Marion, AL	WCJL 1300	Mexico, PA	WJUN 1220
Lawrenceville, IL Lawrenceville, VA	WAKO 910 WLES 580		KFI 640	Marion, IL	WJAM 1310 WGGH 1150	Mlami, AZ Mlami, FL	KIKO 1340 WGBS 710
Lawton, OK	KSWO 1380		KFWB 980	Marion, IN	WBAT 1400 WGOM 860		WIOD 610 WFAB 990
Leadville, CO	KCCO 1050 KBRR 1230		KGFJ 1230 KFAC 1330	Marion, KY Marion, NC	WMJL 1500 WBRM 1250		WHTT 1260
Leavenworth, KS Lebanon, KY	KCLO 1410 WLBN 1590		KPRZ 1150	Marion, OH	WMRN 1490		WQBA 1140
Lebanon, MO	KLWT 1230 KJEL 1080		KLAC 570 KMPC 710 KNX 1070	Marion, SC Marion, VA	WATP 1430 WMEV 1010		WOCN 1450 WINZ 940
Lebanon, Offi Lebanon, PA	KGAL 920		KNX 1070 KZLA 1540	Marked Tree, AZ	WOLD 1330 KPCA 1580	Mlami, OK	WCMQ 1220 KGLC 910
	WLBR 1270 WVLV 940	Los Banos, CA	KGBS 1020 KLBS 1330	Marks, MS Marksville, AL	WQMA 1520 KAPB 1370	Miami Beach, FL	WMBM 1490
Lebanon, TN	WCOR 900 WLSN 1600	Louisa, KY Louisburg, NC	WVKY 1270 WYRN 1480	Martboro, MA	WSRO 1470	Michigan City, IN	WKAT 1360 WIMS 1420
Lebanon, VA Leesburg, FL	WLRV 1380	Louisville, GA	WPEH 1420	Marquette, MI Marshail, AR	WDMJ 1320 KCGS 1600	Middlebury, VT Middleport-Pomeroy,	OH WFAD 1490
	WLBE 790 WZST 1410	Louisville, KY	WAVE 970 WAKY 790	Marshall, MN Marshall, MO	KMHL 1400 KMMO 1300	Middlesboro, KY	WMPO 1390
Leesburg, VA Leesville, LA	WAGE 1290 KLLA 1570		WHAS 840 WKJJ 1080	Marshall, NC Marshall, TX	WMMH 1460		WMIK 580 WFXY 1560
Lehigh Acres, FL Lehighton, PA	WAYK 1440 WYNS 1150		WINN 1240		KMHT 1450 KKYR 1410	Middletown, CT Middletown, NY	WCNX 1150 WALL 1340
Leitchfield, KY	WMTL 1580		WFIA 900 WLOU 1350	Marshalltown, IA	KFJB 1230 KDAO 1190	Middletown, OH Midland, MI	WPFB 910 WMPX 1490
Leland, MS LeMars, IA	WESY 1580 KLEM 1410	Louisville, MS	WTMT 620 WLSM 1270	Marshfield, MO Marshfield, WI	KEMM 1510	Midland, TX	KCRS 550
Lemmon, SD Lemoore, CA	KBJM 1400 KJOP 1240	Loveland, CO Loves Park, IL	KLOV 1570	Martin, KY	WDLB 1450 WMDJ 1440		KJBC 1150 KMND 1510
Lenoir, NC	KQIQ 1320	Lovington, NM	WLUV 1520 KLEA 630	Martin, TN Martinsville, IN	WCMT 1410 WCBK 1540	Midwest City, OK	KWEL 1070 KRMC 1220
	WJRI 1340 WKGX 1080	Lowell, MA	WCAP 980 WLLH 1400	Martinsburg, PA Martinsburg, WV	WJSN 1110 WEPM 1340	Milan, TN Millbank, SD	WKBJ 1600
Lenoir City, TN	WBLC 1360 WLIL 730	Lubbock, TX	KEND 1590 KRLB 580	Martinsviile, VA	WRNR 740	Miles City, MT	KMSD 1510 KATL 1340
Leominster, MA Leonardtown, MD	WLMS 1000 WKIK 1370		KSAX 1340		WHEE 1370 WMVA 1450	Milford, ČT Milford, DE	WFIF 1500 WAFL 930
Leone, Am. Samoa Levelland, TX	WVUV 1120		KLFB 1420 KFYO 790	Maryville, MO Maryville, TN	KNIM 1580 WGAP 1400	Milford, MA Milbank, SD	WMRC 1490 KMSD 1510
Levittown, PA	KLVT 1230 WBCB 1490		KLLL 1460 KSEL 950	Marysville, CA Marysville, KS	KMYC 1410 KNDY 1570	Milledgeville, GA	WMVG 1450
Lewisburg, PA	WTGC 1010 WYMC 1430	Lynn, MA Lucedale, MS	WNSR 1360 WRBE 1440	Mason, MI	WUNN 1110	Millen, GA	WXLX 1060 WGSR 1570
Lewisburg, TN	WJJM 1490 WAXO 1220	Ludington, MI	WKLA 1450	Mason City, IA	KGLO 1300 KRIB 1490	Millington, TN Millinocket, ME	WTNN 1380 WMKR 1240
Lewiston, ID	KRLC 1350	Lufkin, TX	KRBA 1340 KLUF 1420	Massena, NY	KSMN 1010 WMSA 1340	Miliville, NJ Milton, FL	WREY 1440
Lewiston, ME	KOZE 1300 WCOU 1240	Lumberton, NC	WAGR 580 WTSB 1340	Massillon, OH	WYBG 1050		WCKC 1490 WFGS 1330
Lewiston, MT	WLAM 1470 KXLO 1230	Luray, VA	WRAA 1330	Matewan, WV	WTIG 990 WHJC 1360	Milton, PA Milton, WV	WMLP 1380 WNST 1600
Lewiston, PA	WKVA 920	Luverne, AL Luverne, MN	WLVN 1080 KQAD 800	Mattoon, IL Mauston, WI	WLBH 1170 WRJC 1270	Milwaukee, WI	WEMP 1250 WBCS 1340
Lexington, KY	WMRF 1490 WLAP 630	Lykens, PA Lynchburg, VA	WQIN 1290 WLVA 590	Mayaguez, PR	WAEL 600 WKJB 710		WISN 1130
	WTKC 1300 WVLK 590		WLLL 930 WLGM 1320		WORA 760		WZUU 1290 WNOV 860
Lexington, MS Lexington, MO	WXTN 1000 KLEX 1570		WWOD 1390		WPRA 990 WTIL 1300		WOKY 920 WTMJ 620
Lexington, MC Lexington, NE Lexington, NC	KRYN 880	Lynn, MA	WBRG 1050 WLYN 1360	Mayfield, KY	WNGO 1320 WYMC 1430	Minden, LA Mineola, NY	KASO 1240 WTHE 1520
Lexington, TN	WBUY 1440 WDXL 1490	Lyons, GA Machias, ME	WBBT 1340 WMCS 1400	Mayodan, NC Mayville, ND	WMYN 1420 KMAV 1520	Mineola, TX Mineral Wells, TX	KMOO 1510
Lexington, VA	WREL 1450	Macomb, IL	WKAI 1510	Maysville, KY	WFTM 1240	Minneapolis-St. Paul, A	KORC 1140

Location (Call kHz	Location Ca	all kHz	Location	Call kHz	Location	Call ki
	WCCO 830	Mount Shasia, CA	KWSD 620	Newport, OR	KNPT 1310		KOCY 13
	KDWB 630	Mount Sterling, KY	WMST 1150 WMIX 940	Newport, RI Newport, TN	WADK 1540 WLIK 1270		KOMA 15
	KSJN 1330 KEEY 1400	Mount Vernon, IL Mount Vernon, IN	WPCO 1590		WNPC 1060 WIKE 1490		KQCV 8
	WMKY 1370 WDGY 1130	Mount Vernon, KY Mount Vernon, OH	WRVK 1460. WMVO 1300	Newport, VT Newport News, VA	WGH 1310	Okmulgee, OK	KOKL 12 WLIS 14
	WWTC 1280 KTCR 690	Mount Vernon, WA	KAPS 1470 KBRC 1430	Newport News, VA Newport Richey, F	L WGUL 1500	Old Saybrook, CT Olean, NY	WMNS 13
	KTIS 900 KUOM 770	Muleshoe, TX Mullins, SC	KMUL 1380 WJAY 1280	New Prague, MN New Richmond, W	KCHK 1350 WIXK 1590	Olney, IL	WHDL 14 WVLN 7
	KSTP 1500	Muncie, IN	WLBC 1340 WERK 990	New Roads, LA New Rochelle, NY	KQXL 1500 WVOX 1460	Olympia, WA	KGY 12 KITN 9
nocqua, WI not, ND	WFBZ 1570 KKOA 1390		WIBC 1070	New Smyrna Beac	h, FL WSBB 1230 WCCZ 1550	Omaha, NE	KYNN 14 KFAB 11
	KHRT 1320 KCJB 910	Munfordsville, KY Munising, Mi	WLOC 1150 WQXD 1400	Newton, IA	KCOB 1280 KJRG 950		KOIL 12 KOOO 14
ssion, KS	KTYN 1430 KBEA 1480	Murfreesboro, NC Murfreesboro, TN	WWDR 1080 WGNS 1450	Newton, KS Newton, MA	WNTN 1550		KESY 14 KCRO 6
ssion, TX ssoula, MT	KIRT 1580 KGVO 1290	Murphy, NC	WMTS 810 WCVP 600	Newton, MS Newton, NJ	WMYQ 1410 WNNJ 1360	O	WOW 5
	KGRZ 1450 KYLT 1340	Murphysboro, IL	WKRK 1320 WINI 1420	Newton, NC New Ulm, MN	WNNS 1230 KNUJ 860	Omak, WA Onelda, NY	WMCR 16
12 to 11 00	KYSS 930 KORN 1490	Murray, KY	WNBS 1340 WSJP 1130	New York, NY	WABC 770 WADO 1280	Onelda, TN OʻNelli, NE	WBNT 13 KBRX 13
tchell, SD ab, UT	KURA 1450	Murray, UT Muscatine, IA	WPRQ 1230 WWPC 860		WBNX 1380 WCBS 880	Oneonta, AL Oneonta, NY	WCRL 15 WDOS 7
oberly, MO oblie, AL	KWIX 1230 WUNI 1410	Muscle Shoales, AL	WLAY 1450		WEVD 1330 WHN 1050	Ontario, CA	KNSE 15 KSOM 15
	WABB 1460 WGOK 900	Muskegon, Mi	WKBZ 850 WTRU 1600		WJIT 1480 WINS 1010	Ontario, OR Opelika, AL	KSRV 13 WAOA 15
	WMOD 1550 WMOB 840	Muskegon Heights, Mi	WMUS 1090 WKJR 1520		WLIB 1190		WJHO 14 KSLO 12
	WKRG 710 WPCY 1360	Muskogee, OK	KBIX 1490 KMUS 1480		WMCA 570 WNBC 660	Opelousas, LA Opp, AL	WAMI 8
obridge, SD	KOLY 1300	Myrtle Beach, SC	WMYB 1450 WTGR 1520		WNEW 1130 WNYC 830	Opportunity, WA	WOPP 12 KZUN 6
ockaviile, NC odesto, CA	WDSL 1520 KTRB 860	Myrtle Creek, OR	KROR 1360 KEEE 1230		WOR 710 WPOW 1330	Orange, MÁ Orange, TX	WCAT 13 KOGT 16
	KBEE 970 KFIV 1360	Nacogdoches, TX	KSFA 860		WQXR 1560 WWRL 1660	Orange, VA Orangeburg, SC	WJMA 13 WDIX 11
ojave, CA oline, IL	KDOL 1340 WQUA 1230	Nampa, ID	KEXD 580 KAIN 1340	Niagara Falls; NY	WHLD 1270		WORG 15
onahans, TX oncks Corner, SC	KVKM 1330 WBER 950	Nanticoke, PA Napa, CA	WNAK 730 KVON 1440	Nicholasville, KY	WJJL 1440 WNVL 1250	Orange Park, FL Ord, NE	WAYR 5
onett, MO onette, AR	KRMO 990 KBIB 1560	Naples, FL Narrows-Pearlsburg, V.	WNOG 1270 A WNRV 990	Niles, MI Niles, OH	WNIL 1290 WNIO 1540	Oregon City, OR	KYXI 15
onmouth, IL	WRAM 1330 WMRE 1490	Nashua, NH	WOTW 900 WSMN 1590	Nobiesville, IN Nogales, AZ	WYHT 1110 KFBR 1340	Orlando, FL	WDBO S
onroe, GA	WKUN 1580	Nashville, AR	KBHC 1260 WNGA 1600	Nome, AK	KICY 850 KNOM 780		WORL 12
onroe, LA	WRED 1490 KMLB 1440	Nashville, GA Nashville, TN	WKDA 1240	Norfolk, MA Norfolk, NE	WJMQ 1170 WJAG 780	Orleans, MS	WKIS 7
	KLIC 1230 KNOE 540		WLAC 1510 WMAK 1300	Norfolk, VA	WTAR 790 WCMS 1050	Ormond Beach, FL Orocovis, PR	WDAT 13
onroe, MI onroe, NC	WHND 560 WIXE 1190		WNAH 1360 WSIX 980		WNOR 1230	Orofino, ID	KLER S
onroe, WI	WMAP 1060 WEKZ 1260		WSM 650 WWGM 1560		WRAP 850 WZAM 1110	Ortonville, MN	KDIO 13
onroeville. AL	WMFC 1360 WRUA 1510	Natchez, MS	WMIS 1240 WNAT 1450	Normal, IL Norman, OK	WRBA 1440 WNAD 640	Osage, Beach, MO Osceola, AR	KRMS 1
onroeville, PA onterey, CA	KIDD 630	Natchitoehes, LA Natick-Framingham, M	KNOC 1450	Norristown, PA	KNOR 1400 WNAR 1110	Oshkosh, WI	WAGO (
ontevideo, MN	KESE 1240 KDMA 1460		KGTR 1060	N. Adams, MA N. Atlanta, GA	WMNB 1230 WRNG 680	Oskaloosa, IA Oswego, NY	WSGO 14
onte Vista, CO ontezuma, GA	KSLV 1240 WMNZ 1050	Naugatuck, CT Navasota, TX	WNVR 1380 KWBC 1550	N. Augusta, SC	WGUS 1880	Othello, WA	WAOP
lontgomery, AL	WBAM 740 WXVI 1600	Nebraska City, NE Needles, CA	KNCY 1600 KSFE 1340	N. Bend, OR	WRZK 1600 KBBR 1340	Otsego, MI Ottawa, IL	WCMY 1
	WCOV 1170 WHHY 1440	Neenah, WI Neillsvile, WI	WNAM 1280 WCCN 1370	North Charleston Northampton, MA		Ottawa, KS Ottumwa, IA	KOFO 1
	WABT 1000	Nelsonville, OH	WYNO 1130 WNKY 1480	North East, PA Northfleid, MN	WHYP 1530 WCAL 770	Owatonna, MN	KREE 1
	WMGY 800 WRMA 950	Neosho, MO	KBTN 1420	N. Las Vegas, NV	KYMN 1080	Owego, NY Owensboro, KY	WEBO 1
lontgomery, WV Ionticello, AR	WMON 1340 KHBM 1430	Nevada, MO New Albany, IN	KNEM 1240 WOBS 1570	N. Little Rock, AF		Owosso, MI	WVJS 1
Ionticello, FL Ionticello, KY	WMFL 1090 WFLW 1360	New Albany, MS	WDGS 1290 WNAU 1470	North Platte, NE	KJLT 970	Oxford, MS	WSUH WCBQ 1
ionticello, MS iontpelier, iD	WMLC 1270 KVSI 1450	Newark, DÉ Newark, NJ	WNRK 1260 WVNJ 620		KAHL 1410 KODY 1240	Oxford, NC Oxnard, CA	KOXR WOZK
Iontpeller-Barre, VT Iontrose, CO		Newark, NY	WNJR 1430 WACK 1420	North Pole, AK	KJNP 1170 KRKM 600	Ozark, AL	WAYD 1
Iontrose, PA	WPEL 1250	Newark, OH New Bedford, MA	WCLT 1430 WBSN 1420	North Syracuse, North Vernon, IN	WOCH 1460	Ozark, AR Paducah, KY	KZRK 1 WDXR 1
looresville, NC loorehead, MN	WHIP 1350 KVOX 1280		WNBH 1340	North Wilkesbore Norton, KS	O, NC WKBC 810 KNBI 1530		WKYX WPAD 1
loorehead, KY loorehead, City, NC	WMOR 1330 WFTH 740	New Bern, NC	WHIT 1450 WBIC 1380	Norton, VA	WNVA 1350	Page, AZ Pageland, SC	WPGE 1 WCPL 1
lorgan City, LÁ Iorganfield, KY	KMRC 1430 WMSK 1550	Newberry, MI	WRNB 1490 WNBY 1450	Norwalk, CT Norwalk, OH	WNLK 1350 WLKR 1510 WICH 1310	Pagosa Springs, Co Painesville, OH	
lorganton, NC lorgantown, KY	WMNC 1430 WLBQ 1570	Newberry, SC	WKDK 1240 WKMG 1520	Norwich, CT Norwich, NY	WCHN 970	Paintsville, KY Palatka, FL	WSIP 1
lorgantown, WV	WARJ 1440	New Boston, OH New Boston, TX	WIOI 1010 KNBO 1530	Oakdale, LA Oakes, ND	KREH 900 KDDR 1220		WSUZ
lorningside, MD lorovis, PR	WCLG 1300 WPGC 1580 WGFE 1580	New Braunfels, TX New Britain, CT	KGNB 1420 WRCQ 910	Oak Grove, LA Oak Hill, WV	WOAY 880	Palestine, TX Palm Beach, FL	KNET 1 WPBR 1
Iorritton, AR	KVOM 800		WRYM 840	Oakland,CA	KNEW 910 KABL 960	Paim Springs, CA	KCMJ 1
lorris, IL Iorris, MN	WCSJ 1550 KMRS 1230	New Brunswick, NJ Newburgh, NY	WCTC 1450 WGNY 1220	Ochland MD	KDIA 1310 WMSG 1050	Palmdale, CA	KPSI 1 KUXX 1
lorristown, NJ Iorristown, TN	WMTR 1250 WCRK 1150	Newburyport, MA New Castle, IN	WNBY 1470 WCTW 1550	Oakland, MD Oakland Park, FI	WEXY 1520	Palm Desert, CA Palo Alto, CA	KGUY 1
lorro Bay, CA	WMTN 1300 KBAI 1150	New Castle, PA	WBZY 1140 WKST 1280	Oak Park, IL Oak Ridge, TN	WOPA 1490 WATO 1290	Pamona, CA	KWOW 1
forton, TX foscow, ID	KRAN 1280 KRPL 1400	Newcastle, WY New City, NY	KASL 1240 WRKL 910	Oberlin, OH	WORI 1550 WOBL 1320	Pampa, TX	KGRO 1
loses Lake, WA	KSEM 1470 KWIQ 1260	New Haven, CT	WAVZ 1300 WELI 960	Ocala, FL	WMOP 900 WTMC 1290	Panama City Beacl	WPCF 1
lass Point, MS	WKKY 1460	Now thought 4	WNCH 1340 KANE 1240	Ocean City, MD	WWKE 1370 WETT 1590	Panama City, FL	WDLP WWWQ 1
foulton, AL foultrie, GA	WHIY 1190 WMGA 1130	New Iberia, LA	KNIR 1360	Ocean City, Son		Paoil, IN Paradise, CA	WUME 1
Aoundsville, WV	WMTM 1300 WEIF 1370	Newington, CT New Kensington, PA	WPOP 1410 WKPA 1150	Oceanside, CA	KUDE 1320	Paragould, AR Paris, AR	KDRS 1
Mountain City, TN Mountain Grove, MC	WMCT 1390	Newland, NC New London, CT	WJTP 1130 WNLC 1510	Ocilia, GA Ococee, FL	WSIZ 1380 WVCF 1480	Paris, IL	WPRS 1
Mountain Home, AR		New Martinsville, WV Newnan, GA	WETZ 1330 WCOH 1400	Oconto, WI Odessa, TX	WOCO 1260 KBZB 920	Paris, KY Paris, TN	WBGR 1
Mountain Home, ID Mount Lake Terr, W	A KAAR 1510		WNEA 1300 WGSO 1280		KOZA 1230	Paris, TX	WMUF 1
Mount Airy, NC	WPAQ 740 WSYD 1300 WYER 1360	New Orleans, LA	WNNR 990		KOYL 1310 KRIG 1410	Parker, AZ	KPRE 1
Mount Carmel, IL Mount Carmel, PA	WMIM 1590		WBOK 1230 WNOE 1060	Oelwein,IA	KOEL 950	Parkersburg, WV	WADC 1
Mount Clemens, MI	WBRB 1430 WGTW 1580		WSMB 1350 WWIW 1450	Ogaliala, NE Ogden, UT	KOGA 930 KLO 1430	Back Calls 14/4	WKYG 1
Mount Dora, FL Mount Holly, NJ	WJJZ 1460 WSIG 790		WSHO 800 WTIX 690		KANN 1090 KSVN 730	Park Falls, WI Park Rapids, MN	KPRM 1
Mount Jackson, VA Mount Kisco, NY Mount Olive, NC	WVIP 1310 WDJS 1430		WWL 870 WVOG 600	Ogdenaburg N	KJQN 1490	Parma, OH Parsippany, NJ	WSUM 1
Mount Pleasant, IA	KKSI 1130	N	WYLD 940	Ogdensburg, N' Oil City, PA Okeechobee, FI	WOYL 1340	Parsons, KS Parsons, TN	KLKC 1
Mount Pleasant, MI	WCEN 1150 KIMP 960	Newport, AR Newport, KY	KNBY 1280 WNOP 740	Oklahoma City,		Pasadena, CA	KPPC 1

				U.S. AM	STATIO	NS BY LC	CATION
Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
Pasadena, TX	KWKW 1300		WIRY 1340	1	WHJJ 920	River Falls, Wi∈	WEVR 1550
	KLVL 1480 KIKK 650	Plattsmouth, NE	WKDR 1070 KOTD 1000		WLKW 990 WPRO 630	Riverhead, NY	WRIV 1390
Pascagoula-Moss P	WPMP 1580	Pleasanton, TX Pleasantville, NJ	KBOP 1380 WOND 1400	Provo, UT	WRIB 1220 KIXX 1400	Riverside, CA	WRCN 1570 KPRO 1440
Pasco, WA Paso Robles, CA	KORD 910 KPRL 1230	Plentywood, MT Plymouth, IN	KATQ 1070 WTCA 1050	11010,01	KFTN 1400	Alverton, WY	KMAY 1570 KVOW 1450
Pastillo, PR Patchogue, L.I., NY	WCGB 1050 WALK 1370	Plymouth, MA Plymouth, NC	WPLM 1390 WPNC 1470		KEYY 1450 KOVO 960	Riviera Beach FL Roanoke, AL	WPOM 1600 WELR 1360
Paterson, NJ	WYFA 1580 WPAT 930	Plymouth, NH Plymouth, WI	WPNH 1300	Pryor, OK	KAYK 960 KMYZ 1570	Roanoke, VA	WFIR 960 WRIS 1410
Pauls Valley, OK Pawhuska, OK	KVLH 1470 KXVO 1500	Pocahontas, AR Pocatello, ID	WPLY 1420 KPOC 1420	Pueblo, CO	KDZA 1230 KAPI 690		WTOY 910 WROV 1240
Pawtucket, RI Payette, ID	WGNG 550	Pocatello, ID	KSEI 930 KWIK 1240		KCSJ 590 KFEL 970	Roanoke Rapids, NO	WSLC 610
Pearsall, TX Pecos, TX	KYET 1450 KVWG 1280	Pocomoke City, MD		8	KIDN 1350 KPUB 1480	Roaring Springs, PA	WCBT 1230
Peekskill, NY	KIUN 1400 WLNA 1420	Polson, MT Pomona, CA	KERA 1070 KWOW 1600	Pulaski, TN Pulaski, VA	WKSR 1420 WPUV 1580	Robinson, IL Robstown, TX	WTAY 1570
Pekin, IL Peli City, AL	WVEL 1140 WFHK 1430	Pompton Lakes, NJ	KLIT 1220 WKER 1500	Pullman, WA	KWSU 1250 KPUL 1150	Rochelle, IL	WRHL 1060
Pendleton, OR	KTIX 1240 KUMA 1290	Pompano Beach, FL	WPIP 980 WRBD 1470	Punta Gorda, FL	WCCF 1580	Rochester, MN	KROC 1340 KWEB 1270
Pennington Gap, VA Pensacola, FL	WBOP 980	Ponca City, OK Ponce, PR	WBBZ 1230 WPRP 910	Punxsutawney, PA Putnam, CT	WPME 1540 WINY 1350	Rochester, NH	KOLM 1520 WWNH 930
	WBSR 1450 WHYM 610		WEUC 1420 WPAB 550	Puyallup, WA Quanah, TX	KRPM 1450 KOLJ 1150	Rochester, NY	WBBF 950 WHAM 1180
	WNVY 1230 WCOA 1370		WLEO 1170	Quantico, VA Quincy, CA	WPWC 1530 KPCO 1370		WWWG 1460 WNYR 680
Penuelas, PR	WPFA 790 WENA 1330	Pontiac, IL	WISO 1280 WZBS 1490	Quincy, FL Quincy, IL	WCNH 1230 WGEM 1440		WSAY 1370 WPXN 1280
Peoria, IL	WXCL 1350 WMBD 1470	Pontlac, MI	WPOK 1080 WPON 1460	Quincy, MA	WTAD 930 WJDA 1300	Rockford, IL	WROK 1440 WYFE 1150
	WIRL 1290	Pontotoc, MS Pooli, IN	WSEL 1440 WVAK 1560	Quincy, WA Quitman, GA	KWNT 1370 WSFB 1490	Rockford, MI	WRRR 1330
Perry, FL	WPEO 1020 WGKR 1310	Poplar Bluff, MO	KWOC 930 KLID 1340	Quitman, MS Racine, WI	WBFN 1500 WWEG 1460	Rock Hills, SC	WJPW 810 WRHI 1340
Perry, GA	WPRY 1400 WPGA 980	Poplarville, MS Portage, Mi	WRPN 1530 WBUK 1560		WRJN 1400	Rockingham, NC	WTYC 1150 WAYN 900
Perry, IA Perryton, TX	KDLS 1310 KEYE 1400	Portage, PA Portage, WI	WRML 1470 WPDR 1350	Radford, VA Raeford, NC	WRAD 1460 WSHB 1400	Rock Island, IL	WLWL 1500 WHBF 1270
Peru, IN Peshtigo, WI	WARU 1600 WMAN 570	Portageville, MO Portales, NM	KMIS 1050	Rainelle, WV Rainsville, AL	WRRL 1130 WVSM 1500	Rockland, ME Rockmart, GA	WRKD 1450 WPLK 1220
Petaluma, CA Peterborough, NH	KTOB 1490 WSCV 1050	Port Angeles, WA	KENM 1450 KAPY 1290	Raielgh, NC	WKIX 850 WYNA 1550	Rock Springs, WY Rockville, CT	KRKK 1360 WRKV 800
Petersburg, VA Petosi, MO	WSSV 1240 KYRO 1280	Port Arthur, TX	KONP 1450 KOLE 1340		WPTF 680 WPJL 1240	Rockville, MD Rockwood, TN	WINX 1600 WOFE 580
Petoskey, MI	WWPZ 1340		KPAC 1250 KEAM 1510	Ralls, TX Rantoul, IL	KCLR 1530 WRTL 1460	Rocky Ford, CO Rocky Mount, NC	KAVI 1320
Pewaukee, WI	WJML 1110 WCQL 1370	Porterville, CA Port Gibson, MS	KTIP 1450 WKBG 1320	Randolph, VT Rapid City, SD	WCVR 1320 KOTA 1380	Hooky Mount, NC	WCEC 810 WEED 1390
Phoenixville, PA Phenix City, AL	WYIS 690 WPNX 1460	Port Hueneme, CA	WCSP 1520 KACY 1520		KIMM 1150 KTOQ 1340	Rocky Mount, VA	WRMT 1490 WYTI 1570
Philadelphia, MS Philadelphia, PA	WHOC 1490 KYW 1060	Port Huron, MI	WHLS 1450 WPHM 1380	Rayton, NM	KKLS 920	Rogers, AR	WNLB 1290 KURM 1390
	WCAU 1210 WDAS 1480	Port Jervis, NY Port Lavaca, TX	WDLC 1490 KGUL 1560	Ravenswood, WV	KRTN 1490 WMOV 1360	Rogers City, MI	KURM 790 WHAK 960
	WFIL 560 WFLN 900	Portland, IN Portland, ME	WPGW 1440 WCSH 970	Rawlings, WY Raymond, WA	KRAL 1240 KAPA 1340	Rogersville, TN Rolla, MO	WRGS 1370 KCLU 1590
	WHAT 1340 WZZD 990		WGAN 560	Raymondville, TX Rayville, LA	KSOX 1240 KRIH 990	Rome, GA	KTTR 1490 WLAQ 1410
	WIP 610 WPEN 950	Portland, OR	WLOB 1310 WPOR 1490	Reading, PA	WEEU 850 WHUM 1240		WIYN 1360 WRGA 1470
	WRCP 1540	Portland, OR	KBPS 1450 KLIQ 1290	Red Bay, AL	WRAW 1340 WRMG 1430	Rome, NY	WROM 710 WKAL 1450
Philipsburg, PA	WTEL 860 WPHB 1260		KEX 1190 KGW 620	Reading, CA	KRDG 1230 KCLM 1330	Ronceverte, WV	WRNY 1350 WRON 1400
Philipsburg, KS Phoenix, AZ	KKAN 1490 KIFN 860		KKEY 1150 KOIN 970		KOMS 1400 KSXO 600	Roosevelt, UT Roseau, MN	KNEU 1250
	KASA 1540 KXEG 1010		KPAM 1410 KDPQ 800	Red Bluff, CA	KVIP 540 KBLF 1490	Roseberg, OR	KRWB 1410 KRNR 1490
	KPHX 1480 KHEP 1280		KUPL 1330 KWJJ 1080	Redfield, SD Redlands, CA	KFCB 1380 KCAL 1410		KQEN 1240 KRXL 1250
	KMEO 740 KOY 550	Portland, TN	KXL 750 WMRL 1270	Red Llon, PA Red Lodge, MT	WGCB 1440	Rose Hill, NC	KYES 950 WEGG 710
	KARZ 960 KJJJ 910	Port Neches, TX Port St. Joe, FL	KDLF 1150 WJOE 1080	Redmond, OR	KRBN 1450 KPRB 1240	Rosenberg, TX Roseville, CA	KFRD 980 KPIP 1110
	KFLR 1230 KTAR 620	Portsmouth, NH	WBBX 1380 WHEB 750	Red Oak, IA Red Springs, NC	KOAK 1080 WYRU 1520	Rossville, GA Roswell, NM	WRIP 980 KRSY 1230
Phoenixville, PA	KXIV 1400 WYIS 690	Portsmouth, OH	WPAY 1400 WNXT 1260	Red Wing, MN Redwood Falls, Mi	KCUE 1250 KLGR 1490		KRDD 1320 KKAT 1430
Picayune, MS Pickens, SC	WRJW 1320 WPKZ 1540	Portsmouth, VA	WPCE 1400	Readsburg, WI Readsport, OR	WRDB 1400 KDUN 1470	ľ.	KBIM 910 KBCQ 1020
Pledmont, AL Pledmont, MO	WPID 1280 KPWB 1140	Port Sulphur, LA	WNIS 1350 WPMH 1010	Reidsville, GA Reidsville, NC	WTNL 1390 WKXQ 1600	Roxboro, NC	KCRX 1430 WRXO 1430
Pierre, SD	KGFX 1060 KCCR 1240	Port Washington, WI Post, TX	KAGY 1510 WGLB 1560	Remsen, NY	WREV 1220 WADR 1480	Royal Oak, MI Royston, GA	WEXL 1340 WBLY 810
Pikeville, KY	WLSI 900 WPKE 1240	Poteau, OK	KPOS 1370 KLCO 1280	Reno, NV	KOH 630 KBET 1340	Rugby, ND Ruidoso, NM	KGCA 1450 KRRR 1360
Pikesville, TN Pinehurst, NC	WUAT 1110 WDLV 550	Potomac-Cabin John,	WCTN 950		KCRL 780 KOBY 1550	Rumford, ME Rupert, ID	WRUM 790 KAYT 970
Pine Blutt, AR	KCLA 1400 KADL 1270	Potosi, MO Potsdam, NY	KYRO 1280 WPDN 1470		KOLO 920 KONE 1450	Rushton, LA Rusk, TX	KRUS 1490 KTLU 1580
	KOTN 1490	Potstown, PA Potsville, PA	WPAZ 1370 WPAM 1450	Rensselaer, IN	KCBN 1230 WRIN 1560	Russell, KS Russellville, AL	KRSL 990 WWWR 920
Blee Court Co	KCAT 1340 KYDE 1590	Poughkeepsle, NY	WPPA 1360 WEOK 1390	Rensselear, NY Renton, WA	WQBK 1300 KSCR 1420	Russeliville, AR	WKAX 1500
Pine Castle-Sky Lake,	WHHL 1190	Powell, WY	WKIP 1450 KPOW 1260	Rexburg, ID Rhinelander, Wi	KRXK 1230 WOBT 1240	Russellville, KY Russellville, KY Rutland, VT	WRUS 610
Pine City, MN Pinelias Park, FL	WCMP 1350 WPLP 570	Poynette, WI Praire du Chien, WI	WIBU 1240 WPRE 980	Rice Lake, WI	WJMC 1240 WAQE 1090		WHWB 1000 WSYB 1380
Pineville, KY Pineville, LA	WANO 1230 KPAL 1110	Pratt, KS Prattville, AL	KWLS 1290 WPXC 1410	Ridgefleid, CT	WVFR 850	Ruthertordton, NC Sacramento, CA	WCAB 590 KGNR 1320
Pineville, WV Pipestone, MN	WWYO 970 KLOH 1050	Prentiss, MS Prescott, AZ	WKPO 1510 KYCA 1490	Richfield, MN Richfield, UT	WYOO 980 KSVC 980		KFBK 1530 KGMS 1380
Piqua, OH Pittsburg, CA	WPTW 1570 KKIS 990		KENT 1340 KNOT 1450	Richland, WA Richland Center, Wi	WRCO 1450		KJAY 1430 KRAK 1140
Pittsburg, KS	KOAM 880 KSEK 1340	Prescott, AR Presque Isle, ME	KTPA 1370 WAGM 950	Richlands, VA Richmond, IN	WRIC 540 WKBV 1490		KROY 1240 KXOA 1470
Pittsburg, KY Pittsburgh, PA	WLPQ 1600 KDKA 1020		WEGP 1390	Richmond, KY	WEKY 1340 WCBR 1110	Sattord, AZ	KGLU 1480 KATO 1230
	KQV 1410 WAMO 660	Preston, ID Preston, MN	KPST 1340 KFIL 1060	Richmond, VA	WANT 990 WBBL 1480	Sag Harbor, NY Saganaw, MI	WLNG 1600 WKNX 1210
	WKPQ 1320	Prestonsburg, KY	WPRT 960 WDOC 1310		WKIE 1540 WLEE 1480		WSAM 1400 WSGW 790
	WPIT 730 WTAE 1250	Price, UT	KOAL 1230 KRPX 1080		WEET 1320 WGOE 1590	St. Albans, VT St. Albans, WV	WWSR 1420 WKLC 1300
Dittation	WEEP 1080 WWSW 970	Princeton, IL	WKSJ 1270 WZEO 1490		WTVR 1380 WRNL 910	St. Anthony, ID St. Augustine, FL	KIGO 1400
Pittsfield, IL Pittsfield, MA	WBBA 1580 WBEC 1420	Princeton, IN Princeton, KY	WRAY 1250 WPKY 1580		WRVA 1140 WXGI 950	St. Charles, MO	WFOY 1240 WAOC 1420
	WBRK 1340 WUHN 1110	Princeton, MN Princeton, NJ	WQPN 1300 WHWH 1350	Richwood, WV Ridgecrest, CA	WVAR 600	St. Charles, MO St. Cloud, MN	KIRL 1460 KCLD 1450
Pittston, PA Plainfield, NJ	WARD 1540 WERA 1590	Princeton, WV Princeville, OR	WAEY 1490 KRCO 690		KLOA 1240 KZIQ 1360 WVFR 850	St. George, SC	WQIZ 810
Plainview, TX	KVOP 1400 KKYN 1090	Prosser, WA Prichard, AL	KARY 1310 WKSJ 1270	Ridgefield, CT Ridgeland, SC	WBUG 1430	St. George, UT St. Helens, OR	KDXU 1450 KOHI 1600
Plant City, FL Platteville, WI	WPLA 910 WSWW 1590	Providence, RI	WEAN 790 WHIM 1110	Rifle, CO Ripley, MS	WSCA 1260	St. Ignace, MI St. Johns, MI	WIDG 940 WRBJ 1580
Plattsburg, NY	WEAV 960		WICE 1290	Ripley, TN Ripon, Wi	WTRB 1570 WCWC 1600	St. Johnsbury, VT St. Joseph, Mt	WSTJ 1340 WSJM 1400

Location	Call kHz	Location	Call	kHz	Location	Call	kHz	Location	Call	kHz
Yanceville, NC Yankton, SD Yauco, PR Yazoo City, MS	KUTI 980 WYNC 1540 KYNT 1450 WNAX 570 WKFE 1550 WAZF 1230 WYAZ 1530	Yellville, AR York, NE York, AL York, PA York, SC	WNOW	1370 1350 1350	Youngstown, OH Ypsilanti, MI Yreka, CA	WSDS WYFC	1390 1500 N 570 1480	Yuba City, CA Yuma, AZ Zanesville, OH Zarephath, NJ Zephyrhills, FL Zion, IL	KUBA KOBO KAWC KVOY WBLL WHIZ WAWZ WPAS WZBN	1450 1320 1400 U 560 1240 1380 1400

U.S. FM STATIONS BY CALL LETTERS

	1			1	
Call Location N	AHz	Call Location	MHz	Call Location MHz	Call Location MHz
KAAK Greal Falls, MT	98.9	KAYL-FM Slorm Lake, IA	101.5	KBVR Corvaills, OR 90.1	KCUI Pella, IA 89.9 KCUM-FM Crookston, MN 91.7
KAAN Bethany-Albany, MO	95.9	KAYN Nogales, AZ	98.3	KBWC Marshall, TX 91.1 WBWH Biair, NE 106.3	KCUR-FM Kansas City, MO 89.3
KAAP-FM Santa Paula, CA	96.7 07.1	KAYO Warsaw, MO KAYY Fairbanks, AK	97.7 101.1	KBXL-FM Caldwell, ID 94.1	KCWC Riverton, WY 68.1
KABG Cambridge, MN 1	05.5	KAYZ El Dorado, AR	103.1	KBYU-FM Provo, UT 88.9 WBZN Bozeman, MT 93.7	KCWM Victoria, TX 95.1 KCWR Oakdale, LA 104.9
KABI-FM Abilene, KS	98.3 97.7	KAZI Austin, TX KAZU Pacific Grove, CA	88.7 90.3	KBZT San Diego, CA 94.9	KCWW Beeville, TX 104.9
KABL-FM San Francisco, CA	98.1	KAZY Denver, CO	106.7	KCAL-FM Redland, CA 96.7 KCAP-FM Helena, MT 103.1	KCYN Pocahontas, AR 103.9 KDAB Ogden, UT 101.1
KACA Prosser, WA 1	01.7 91.3	KBAD-FM Carlsbad, NM KBAS Lake Havasu City, AZ	92.1 95.9	KCAZ Walnul Ridge, AR 105.3	KDAR Oxnard, CA 98.3
KACE Inglewood, CA 1	03.9	KBAT Midland, TX	93.3	KCBI Dailas, TX 89.3 KCBL-FM Greeley. CO 91.5	KDBH Natchiloches, LA 97.7
KACO St. Louis, MO 1	06.3	KBAY San Jose, CA KBAZ Bisbee, AZ	92.1	KCBM Chico, CA 93.7	KDBX Booneville, MO 99.3
KACT-FM Andrews, TX 1	05.5	KBBC Phoenix, AZ	98.7 90.1	KCBS-FM San Francisco, CA 97.3 KCBW Sedalia, MO 92.1	KDCR Sloux Center, IA 91.3
	89.9	KBBD Beaver, UT KBBF Sania Rosa, CA	89.1	KCBX-FM San Luis Obispo, CA 90.1	KDCV-FM Biair, NE 91.1 KDDA-FM Dumas, AR 107.1
KADI-FM SI. Louis, MO	96.3	KBBG Waterloo, IA	88.1 92.3	KCCK-FM Cedar Rapids, IA 88.3 KCCM-FM Moorhead, MN 91.1	KDDC Denton, TX 106.1
KADL-FM Pine Bluff, AR KADO Texarkana, AR 1	940	KBBK-FM Bolse, ID KBBY Ventura, CA	95.1	KCCO-FM Lawton, OK 98.1	KDDI Oak Grove, LA 96.7 KDEA New Iberia, LA 99.1
KADQ-FM Rexburg, ID	94.3	KBCM Sloux City, 1A	95.5 97.3	KCCQ Ames, IA 107.1 KCCY Pueblo, CO 97.9	KDES-FM Palm Springs, CA 104.7
	92.5	KBCO Boulder, CO KBCR-FM Steamboat Spring	5,	KCDC Longmonl, CO 90.7	KDEF-FM Albuquerque, NM 94.1 KDEL-FM Arkadelphia, AR 100.9
KAEZ Oklahoma City, OK 1	107.7	KBCS Bellevue, WA	0 96.7 91.3	KCED Centralla, WA 91.3 KCWL Tojedo, OR 107.1	KDEM Deming, NM 94.3
	97.3 92.5	KBCT Fairfield, IA	95.9	KCEP Las_Vegas, NV 88.1	KDEW-FM DeWitt, AZ 96.7 KDEX Dexter, MO 102.3
KAGE-FM Winona, MN	95.3	KBDG Turlock, CA KBDR Merced, CA	90.9 89.1	KCES Eufaula, OK 102.3 KCEZ Kansas City. MO 94.9	KDEY Lufkin, TX 99.3
	104.9 98.5	KBEE-FM Modesto, CA	103.3	KCFO Tulsa, OK 98.5	KDFC San Francisco, CA 102.1 KDFM Wainut Creek, CA 92.1
KAHM Prescott, AZ	103.9 91.5	KBEK Lexington, MO KBEM-FM Minneapolis, MN	106.3 88.5	KCFS Sloux Falls, SD 910	KDHL-FM Fairbault, MN 95.9
KAIM-FM Honolulu, HI	95.5	KBEQ Kansas City, MO	104.3	KCFV Ferguson, MO 89.0 KCGL Centerville, UT 105.5	KDHS Modesto, CA 90.5 KDIC Grinnell, IA 88.5
KAJN Crowley, LA	102.9 107.1	KBES Ceres, CA KBEZ Tulsa, OK	89.5 92.9	KCGM Scobey, MT 95.0	KDKA-FM Pittsburgh, PA 92.9
KALA Davenport, IA	88.5	KBFC Forrest City, AR	93.5	KCHA-FM Charles City, IA 104.9	KDKB Mess, AZ 93.3 KDKD-FM Clinton, MO 95.3
KALF Uklah, CA	103.3	KBFL Buffalo, MO KBFM Edinburg, TX	90.3	KCHE-FM Cherokee, IA 102.3	KDKQ Borger, TX 104.3
KALL Salt Lake City, UT KALO-FM Beaumont, TX	95.1	KBGL Pocatello, ID	88.7	KCHF-FM Sloux Falls, SD 93.5 KCHI-FM Chillicothe, MO 103.9	KDLN Dillon, MT 98.3 KDLO-FM Watertown, SD 96.9
KALQ-FM Alamosa, CO	93.0 97.1	KBGN-FM Caldwell, ID KBGX Alturas, CA	94.1 95.5	KCHO Chico, CA 91.1	KDLR-FM Devist Lake, ND 96.7
KALS Kallspell, MT KALU Langston, OK	90.7	KBHI-FM Modesto, CA	89.9	KCIC Grand Junction, CO 88.5 KCII-FM Washington, IA 95.3	KDLS-FM Perry, IA 104.9 KDLY Lander, WY 97.5
KALW San Francisco, CA KALX Bekeley, CA	91.7 90.7	KBHL Lincoln, NE KBHP Bemidji, MN	95.3 101.1	KCIL Houma, LAS 107.1	KDMI Des Moines, IA 97.3
KAMA-FM El Paso, TX	93.1	KBHU-FM Spearlish, SD	89.1 91.3	KCIM-FM Carroll, IA 93.7 KCIR Corsicana, TX 107.9	KDNA Yakima, WA 91.9 KDNC-FM Spokahe, WA 93.7
KAMB Merced, CA KAMO-FM Rogers-Bentonville,	101.5	KBIA Columbia, MO KBIC Alice, TX	102.3	KCIV The Dailes, OR 104.5	KDNO Delano, CA 98.5 KDNT-FM Denton, TX 106.1
AR	94.3	KBID Wichita Falls, TX	92.9 104.3	KCIZ Springdale, AR 104.9 KCJB-FM Minot, ND 97.1	KDOL-FM Molave, CA 97.7
KAMS Mammoth Springs, AR KAMU-FM College Station. TX	95.1 93.0	KBIG Los Angeles, CA KBIL-FM San Angelo, TX	92.9	KCJH Stockton, CA 90.5	KDOM Windom, MN 94.3
KANG Angwin, CA	89.0	KBIM-FM Roswell, NM	94.9 105.3	KCKN-FM Kenses City, KS 94.1 KCKS Concordia, KS 95.3	KDOS Fremont, CA 104.9
KANS-FM Larned, KS KANU Lawrence, KS	960 910	KBIQ Edmonds, WA KBJC Great Bend, KS	91.9	KCLC St. Charles, MO 89.1	KDOT-FM Scottsdale, AZ 100.7 KDPS Des Moines, IA 88.1
KANW Albuquerque, NM	89.1	KBKB-FM Fort Madison, IA	101.7 95.3	KCLD-FM St. Cloud, MN 104.7 KCLI Clinton, OK 95.3	KDQN-FM De Queen, AR 92.7
KANY Ankeny, IA KANZ Garden City, KS	91.1	KBKR-FM Baker, OR KBLE-FM Seattle, WA	93.3	KCLK-FM Clarkston, WA 94.1	KDRK Spokane, WA 93.7 KDSA Wichita, KS 91.1
KAOI-FM Wauluku, HI	95.1	KBLI-FM Blackfoot, ID KBLJ La Junta, CO	97.7	KCLU-FM Rolla, MO 94.3	KDSN-FM Denison, IA 107.1
KAOL-FM Carrollton, MO KAOS Olympis, WA	101.1 89.3	KBLL-FM Helena, MT	92.1	KCLY Clay Center, KS 100.9	KDSQ Denison-Sherman, TX 101.7 KDSU Fargo, ND 89.9
KAPI-FM Pueblo, CO	107.1	KBLM-FM La Grande, OR KBLS Santa Barbara, CA	89.3 99.9	KCMA Owassa, OK 106.1 KCME Manitou Springs, CO 88.1	KDTA-FM Delta, CO 95.3
	107.9 105.7	KBLT Baxter Springs, KS	107.1	KCMI Terrytown, NE 103.9	KDTX Dallas, TX 102.9 KDUK Honolulu, HI 97.5
KARB Price, UT	89.3	KBLW-FM Logan, UT KBLX Berkeley, CA	92.9 102.9	AKCMR Mason City, IA 98.3	KDUO Riverside, CA 97.5
KARN-FM Little Rock, AR	107.3	KBMC Eugene, OR	94.5	KCMS Indio-Palm Desert, CA 103.1 KCMT-FM Alexandria, MN 100.7	KDUR Durangeo, CO 91.9 KDUV Brownsyllie, TX 100.3
KASB Bellevue, WA	89.3 90.1	KBMO-FM Benson, MN KBOB West Covins, CA	93.5 98.3	KCMU Seattle, WA 90.5	KDUX-FM Ocean Shores, WA 104.7
	100.7	KBOE-FM Oskaloosa, IA	104.9 97.9	KCMB Waterloo, IA 105.7 KCND Blamark, ND 90.5	KDUZ-FM Hutchison, MN 107.1 KDVS Davis, CA 90.3
KASF Alamosa, CO	90.9 96.7	KBOI-FM Bolse, ID KBON Lake Arrowhead, CA		KCNT Hastings, NE 88.1	KDVV Topeka, KS 100.3
KASK Ada, OK KASO-FM Miden, LA	95.3	KBOO Portland, OR	90.7	KCOE-FM Cedar Rapids, IA 90.9 KCOL-FM Fort Collins, CO 107.9	KDWB-FM Richfield-St. Paul, MN 101.3
KAST-FM Astoria, OR KASU Jonesboro, AR	92.9	KBOP-FM Pleasanton, TX KBOS Tulare, CA	98.3 94.9	KCOT Lamesa, TX 104.7	KDWZ Crookston, MN 97.1 KDXL St. Louis Park, MN 91.7
KASX Ada, OK	96.7	KBOY-FM Medford, OR	95.3 105.9	KCOU Columbia, MO 88.1 KCOZ Shreveport, LA 100.1	KDXT FMissoula, MT 93.3
KATK Carlsbad, NM	92.1	KBPI Denver, CO KBPK Buena Park, CA	90.1	KCPB Thousand Oaks, CA 91.1	KEAN Abilene, TX 105.1 KEAR San Francisco, CA 106.9
KATS Yakima, WA	94.5	KBRA Wichita, KS	97.0	KCPI Albert Lea, MN 95.3 KCPR San Luis Obispo, CA 91.3	KEAZ DeRitter, LA 101.7
KATT Oklahoma City, OK KATX Plainview, TX	97.3	KBRE-FM Cedar City, UT	94.9	KCPX-FM Salt Lake City, UT 98.7	KEBC Oklahoma City, OK 94.7 KEBR Sacramento, CA 100.5
KAUB Auburn, NE	105.5	KBRF-FM Fergus Falls, MN	103.3 105.3	KCRE-FM Crescent City, CA 94.3 KCRF-FM Winnsboro, LA 95.9	KECG El Cerrito, CA 88.1
KAUD-FM Windsor, CO KAUM Houston, TX	99.1 96.5	KBRG San Francisco, CA KBRI-FM Brinkley, AR_	102.3	KCRJ-FM Cottonwood, AZ 95.9	KECR El Cajon, CA 93.3 KEDP Las Vegas, NM 91.1
KAUR Sloux Falls, SD	89.5	KBRK-FM Brookings, SD KBRU Fort Morgan, CO	94.3 101.7	KCRV Caruthersville, MO 103.1 KCRW Santa Monica, CA 89.9	KEDY Mount Shasta, CA 95.3
KAUS-FM Austin, MN KAVI-FM Rocky Ford, CO	99.9	KBRX-FM O'Nelli, NE	102.9	KCSB-FM Santa Barbara, CA 91.9	KEEY-FM Minneapolls-St. Paul, NM 102.1
KAVO Fallbrook, CA	107.1	KBSH Borrego Springs, CA KBRX-FM O'Nelli, NE	88.9 92.7	KCSD Chinie, AZ 89.1	KEEZ-FM Mankat, MN 99.1
KAVR-FM Apple Valley. CA KAVS Thief River Falls, MN	102.3 89.5	KBSB Bemidil, MN	89.7	KCSM San Matero, CA 91.1	KEHG-FM Fosston, MN 107.1 KEJO Corvallis, OR 101.5
KAVV Benson, AZ	97.7	KBSQ Espanola, NM KBSU Bolse, ID	102.3 90.1	KCSS Turlock, CA 91.9	KELA-FM Centralla, WA 102.9
KAWL-FM York, NE KAWW Heber Springs, AR	104.9 96.7	KBTM-FM Jonesboro, AR	101.9	KCSU-FM Fort Collins, CO 90.9	KELE Aurora, MO 100.1 KELN North Platte, NE 97.1
WAWY Casper, WY	94.5	KBUF-FM Garden City, KS KBUH-FM Brigham City, U	97.3 T 107.1	KCSW San Marcos, TX 103.7 KCTB-FM Flagstaff, AZ 93.9	KELO-FM Sloux Falls, SD 96.5
KAXE-FM Grand Rapids, MN KAYD Beaumont, TX	91.7 97.5	KBUY-FM Amarillo, TX	94.1	KCTC Sacramento, CA 96.1	KELT Harlingen, TX 94.5 KEMB Emmetsburg, IA 98.3
KAYE-FM Tonkawa, OK	90.5	KBUZ Arkansas City, KS KBVL Boulder, CO	106.5 94.7	KCTO-FM Columbia, LA 103.1 KCUE-FM Red Wing, CA 105.5	KEMC Billings, MT 91.7
KAYK-FM Provo. UT	100.3	MOVE DOGINGI, OO			

Abbreviations used in this listing: C.L. or Call—call letters or call sign; Ch.—TV channel number; Affiliation: (A)—ABC; (C)—CBS; (E)—educational; (I)—independent; (N)—NBC.

2511 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	_	.e. TW STATIONS	BY CALL LETTERS
Call Location MHz	Call Location MHz	Call Location MHz	Call Location MHz
KEMM-FM Marshfield, MO 104.9 KENA-FM Mena, AZ 101.7	KGLM Anaconda, MT 97.7	KINN-FM Alamogordo, TX 105.5	WED EN O. III.
KENB-FM Worland, WY 95.9	KGLT Bozeman, MT 90.1 KGMO-FM Gape Girardeau,	KINT-FM El Paso, TX 97.5	KLER-FM Orotino,ID 95.3 KLFD-FM Litchfield, MN 95.3
KENE-FM Toppenish, WA 92.7 KENM-FM Portales, NM 95.3	KGNC-FM Amarilio TX	KIOB Coeur d'Alene ID 103 1	KLFM Ames, IA 101.1 KLGA-FM Algona, IA 92.7
KENO-FM Las Vegas, NV 92.3	KGNU Boulder, CO 88.5	KIOC Orange, TX 106.1	KLGR-FM Redwood Falls, MN 97.7
KENW-FM Portales, NM 95.3	KGOK Pauls Valley, OK 97.7	KIOI San Francisco, CA 101.3	KLGT Breckenridge, CO 102.3
KEOK Tahleguah, OK 101.7	KGOL Lake Jackson, TX 107.3	KIOK Richland, WA 94.9	KLHS Lewiston, ID 89,1
KEOL La Grande, OR 91.1		KIOL Iola, KS 99.3	KLIL Moreauville, LA 92.1
KEPC Colorado Springs, CO 90.5	KGOR Omaha, NE 99.9	KIOO Porterville, CA 99.7	KLIN-FM Lincoln, NE 107.3
KEPH Ephraim, UT 89.5		KIOQ-FM Bishop, CA 100.7	KLIR-FM Denver, CO 100.3
KEPO Evil Point, OR 89.1	KGOT Anchorage, AL 101.3	KIOS-FM Omaha, NE 91.5	KLIZ-FM Brainerd, MN 95.7
KEPT Shreveport, LA 96.	KGOU Norman, OK 106.3	KIOU Corpus Christi, TX 96.5	
KERA-FM Dallas, TX 90.1	KGRA Lake Charles, LA 103.7 KGRC Hannibal, MO 92.9	KIOV Sioux Falls, SD 104.7 KIOW Forest City, IA 102.3	KLKC-FM Parsons, KS 93.5
KESM-FM El Dorado Springs,	KGRD LasCruces, NM 103.9 KGRG Auburn, WA 88.9	KIOY Hanford, CA 109.7 KIOZ Laramie, WY 102.9	KLLB Portland, OR 101.1
KESP Eureka Springs, AR 90.9	KGRI-FM Henderson, TX 100.1 KGRM Grambling, LA 91.3	KIPC Albuquerque, NM 91.5 KIQO Atascadero, CA 104.5	KLLL-FM Lubbock, TX 96.3
KEST Brookings, SD 88.3	KGRS Burlington, IA 107.3	KIQQ Los Angeles, CA 102.3	KLME Battle Mountain, NV 92.1
	KGSP Parkville, MO 90.3	KIQY Lebanon, OR 103.7	KLMF-FM Fabens, TX 103.1
KESY-FM Omaha. NE 104.5 KETR Commerce, TX 88.9	KGSU-FM Cedar City, UT 90.1	KIRK-FM Branson, MO 106.3	KLMO-FM Longmont, CA 104.3 KLMR-FM Lamar, CO 93.3
KETX-FM Livingston, TX 92.1	KGTN-FM Georgetown-	KISR Fort Smith, AR 93.7	KLMY Marlin, TX 96.7
KEUA Pampa, TX 100.3	Round Rock. TX 96.7		KLOA-FM Ridgecrest, CA 105.1
KEWB Redding, CA 104.3 KEWC-FM Cheney, WA 88.9	KGUC-FM Gunnison, CO 98.3	KISW Seattle, WA 99.9	KLOH-FM Pipestone, MN 98.7 KLOL Houston, TX 101.1
KEWE Oroville, CA 97.7 KEWT Sacramento, CA 105.1	KGUS Hot Springs, AR 97.5	KITE Portland, TX 105.5	KLOM-FM Lompoc, CA 92:7 KLON Long Beach, CA 88.1
KEXI Walla Walla, WA 93.3 KEXL Norfolk, NE 106.7	KGVW-FM Belgeade, MT 96.7	KITT San Diego, CA 105.3	KLOO-FM Corvaills, OR 106.6 KLOO Lyons, KS 106.1
KEXX-FM Corpus Christi, TX 93.9	KHAT Lincoln, NE 106.3	KITY San Antonio, TX 92.2	KLOR-FM Ponca City, OK 99.3
KEYA Belcourt, ND 88.5		KIWA-FM Sheldon, IA 105.5	KLOS Los Angeles, CA 95.5
KEYE-FM Perryton, TX 95.9	KHBN-FM Monticello, AR 93.5	KIWW Harlingen, TX 96.1	KLOV-FM Loveland, CO 102.3
KEYN-FM Wichita, KS 103.7		KIXI-FM Seattle, WA 95.7	KLOZ El Paso, TX 102.1
KEZC Truckee, CA 101.7	KHBR-FM Hillsboro, TX 102.5	KIXS-FM Killeen, TX 93.3	KLPC-FM Lompoc, CA 92.7
KEZE-FM Spokane, WA 105.5	KHBT Humboldt, IA 97.7	KIXV Brady, TX 95.3	
KEZH Hastings, NE 93.5	KHCB-FM Houston, TX 105.7 KHCC-FM Hutchinson, KS 90.1	KIXX Watertown, SD 96.1 KIXY-FM San Angelo, TX 94.7	KLPL-FM Lake Providence, LA 92.7
KEZK St. Louis, MO 102.5	KHDC Levelland, TX 105.5 KHDX Conway, AR 93.1	KIZZ Minot, ND 93.7 KJAD Lihue, HI 92.7	KLPW-FM Union, MO 101.7
KEZL San Diego, CA 102.9	KHEN-FM Henryetta, OK 99.5	KJAE Leesville, LA 92.7	KLQQ Sulphur, LA 100.9
KEZO Jacksonville, AR 100.3	KHEP-FM Phoenix, 98.3		KLRB Carmel-Monterrey, CA 101.7
KEZS Liberal, KS 105.5	KFHI-FM Austin, TX 98.3	KJAM Madison, SD 103.1	KLRE-FM Little Rock, AR 90.5
KEZX Seattle, WA 98.9	KHFM Albuquerque, NM 96.3		KLRF Emporia, KS 104.9
KEZY-FM Anahelm, CA 95.9	KHHS Hillsboro, KS 88.1	KJAQ-FM Gordonville, MO 99.3	KLRS-FM Mountain Grove, MO 92.7
KEZZ Altkin, MN 94.3	KHIB Durant, OK 91.9		KLSD Lubbock, TX 91.1
KFAH Alliance, NE 92.1 KFAI Minneapolis, MN 90.3	KHIG Paragould, AR 104.9	KJAZ-FM Gordonville, MO 99.3	KLSE-FM Rushford, MN 91.7 KLSN Brownwood, TX 99.3
KJAN Fredericksburg, TX 101.1	KHIP Hollister, CA 93.5	KJAX Stockton, CA 99.3	KLSR St. Louis, MO 89.7
KFAT Gilroy, CA 94.3		KJAZ Alameda, CA 92.7	KLSS Okmuigee, OK 94.3
KFBD-FM Waynesville, MO 97.7	KHKA Hillsboro, MO 88.9	KJBS Bastrop, LA 100.1	KLTB Bollvar, MO 106.3
KFBQ Cheyenne, WY 97.9		KJCK-FM Junction City, KS 94.5	KLTD Lampassas, TX 99.3
KFCK Fresno, CA 88.1	KHLS Blytheville, AR 96.1	KJCO Yuma, CO 100.9	KLTE Tooele, UT 92.1
KFDt Wichita, KS 101.3		KJEF-FM Jennings, LA 92.7	KLTE Oklahoma City. OK 101.9
KFFM Yakima, WA 107.3	KHNS Haines, AK 102.3	KJEL-FM Lebanon, MO 103.7	KLTR-FM Terrell, TX 107.1
KFGQ-FM Boone, tA 99.3	KHNY Riverside, CA 92.7	KJEP Yakutat, AK 103.9	KLUB-FM Salt Lake City, UT 97.1
KFIG Fresno, CA 101.1	KHO-FM Spokane, WA 98.1	KJEZ Poplar Bluff, MO 95.5	KLUF-FM Lufkin, TX 105.1
KFIL-FM Preston, MN 103.1	KHOC Levelland, TX 105.5	KJFM Oceanside, CA 102.1	
KFIM El Paso, TX 92.3	KHOF Los Angieles, CA 99,5	KJHK Lawrence, KS 90.7	KLUR Witchita Falls, TX 99.9
KFIN Jonesboro, AR 107.9	KHOK Holsington, KS 100.9	KJIB Portland, OR 90.5	
KFIO Ridgecrest, CA 104.9	KHOM Houma, LA 104.9 KHOO Waco, TX 99.9	KJIB Pasadena, TX 89.3 KJIL Bethany, OK 104.9	KLVA Lake Village, AR 95.5 KLVE Los Angeles, CA 107.5 KLVF Las Vegas, NM 100.9
KFJB Marshalltown, IA 101.1	KHOP Modesto-Stockton, CA 104.1 KHOW-FM Denver, CO 95.7	KJKJ Logan, UT 94.5 KJLH Compton, CA 102.3	KLVN Newton, IA 95.9
KFJM-FM Grand Forks, ND 89.3	KHOZ-FM Harrison, AR 102.9	KJLS Hays, KS 103.3	KLVR Longview, WA 90.5
	KHPA Hope, AR 104.9	KJMC Richfield, UT 92.7	KLWD Sheridan, WY 96.5
KFKX Gregory, SD 101.5	KHPE Albany, OR 107.9	KJMD Aberdeen, WA 99.3	KLWN-FM Lawrence, KS 105.9
	okane, WA 98.1	KJYE Kallua, HI 96.3	KLWT-FM Lebanon, MO 92.1
KFLG Flagstaff, AZ 92.9	KHRU Clayton, MO 88.1 KHSU-FM Arcata, CA 90.5	KJYK Tucson, AZ 94.9 KKAJ Ardmore, OK 95.7	KLXL Dubuque, 1A KLYD-FM Bakerafield, CA 94.1
KFLZ Bishop, TX 107.1	KHTC Helena, MT 89.5 KHTZ Los Angeles, CA 97.1	KKBC Carson City, NV 97.3	KLYF Des Moines, IA 100.3 KLYK Longview, WA 105.5 KLYN-FM Lynden, WA 106.5
KFMB-FM San Diego, CA 100.7 KFMC-FM Fairmount, MN 106.5	KHUB-FM Fremont, NE 105.5 KHUI Honolulu, HI 93.9	KKCA Fulton, MO 95.9	NET U-FM Hamilton, MT 95.5
KFMD Dubuque, IA 92.9	KHUM Denver, CO 89.3	KKCC-FM Clinton, OK 106.9	KLYT Albuquerque, NM 88.3
KFMG Albuquerque, NM 107.9	KHUT Hutchinson, KS 102.9	KKDA-FM Dailes, TX 104.5	
KFMH Muscatine, IA 99.7	KHVN Anchorage, AK 100.5	KKDJ Fresno, CA 105.9	KMAH Atherton, CA 88.9
KFMt Eureka, CA 96.3	KHYE Hemet, CA 105.5	KKBQ Grand Forks, ND 92.9	
KFMK Houston, TX 97.9	KHYL Auburn, CA 101.1	KKEE Alamogordo, NM 94.3	KMAL Malden, MO 92.7
KFMN Abiline, TX 99.3	KHYS Port Arthur, TX 98.5	KKEG Fayetteville, AR 92.1	
KFMP Cape Girardeau, MO 102.9 KFMQ Lincoln, NE 101.9	KIAE Aurora, NE 103.1 KIAH Ukiah, CA 103.3	KKFM Colorado Springs CO 96.5	KMAV-FM Mayville, ND 101.7
KFMR Stockton, CA 100.1	KIAG Sterling, CO 96.7	KKGO Los Angeles, CA 105.1	KMBI-FM Spokane, WA 107.9
KFMS Las Vegas, NE 101.9	KIAI Phoenix, AZ 89.5	KKHI-FM San Francisco CA 95.7	
KFMT Pendelton, OR 103.5 KFMU Oak Creek, CO 103.9	KIAM-FM Wenatchee, WA 104.9 KIBQ Idaho Falts, ID 91.1 KICB Dodge, IA 88.1	KKHJ Rapid City, SD 93.9 KKIC Ashland, OR 101.7	KMBR-FM Kansas City, MO 99.7
KFMV Magnotla, AR 107.9 KFMW Waterloo, IA 107.9	KICC International Falls, MN 91.5	KKIQ Livermore, CA 101.7 KKHY-FM Albuquerque, NM 100.3	KMCR Phoenix, AZ 91.5
KFMY Eugene, OR 97.9 KFMZ Columbia, MO 98.3	KICD-FM Spencer, IA 107.7 KICE Bene. OR 100.7 KICG Iowa City, IA 100.7	KKKX Ottawa, KS 91.1	KMCV Conroe, TX 106.9
KFNB Oklahoma City, OK 101.9 KFNE Big Springs, TX 95.3	KICN Spokane, WA 98.9	KKOK-FM Morris MN 107.5	KMCX Ogallala, NE 93.5 KMDX-FM Parker, AZ 99.3
KFNF Oberlin, KS 101.1 KFNQ Oakdale, CA 95.1	KICS-FM Hastings, NE 93.5	KKOP Pipestone, MN 98.7 KKND Jamestown, ND 95.5	KMEL San Francisco, CA 106.1
KFNV-FM Ferriday, LA 93.5	KICT Wichita, KS 95.1	KKNG Oklahoma City, OK 92.5	KMET Los Angeles, CA 94.7
KFNW-FM Fargo, ND 97.9	KICX-FM McCook, NE 95.9	KKOK-FM Morris MN 95.7	
KFOG San Francisco, CA 104.5	KICY-FM Nome, AK 100.3	KKOS Carlsbad, CA 95.9	KMFA Austin, TX 89.5
KFOX Redondo Beach, CA 93.5	KID-FM Idaho Falls, ID 96.1	KKQQ Clovis, NM 99.1	
KFRA-FM Franklin, LA 95.3	KIDA Morehead, MN 99.9	KKOR lows City, IA 100.7	KMFE Emmett, ID 101.7
KFRX Lincoln, NE 102.7	KIDE Hoopa, CA 91.3	KKOT Rexburg, ID 98.3	
KFRY Fresno, CA 101.9	KIDQ Bolse, ID 104.3	KKRB Red Bluff, CA 102.3	KMFM San Antonio, TX 96.1
KFSD San Olego, CA 94.1	KIDX Billings, MT 98.5	KKRK Douglas, AZ 95.3	
KFSG Los Angeles, CA 96.3	KIEA Ethete, WY 89.7	KKRL Carroll, IA 93.7	KMGK Des Molnes, IA 93.3
KFSH Hilo, Ht 97.1	KIEE Harrisonville, MO 100.7	KKSS St. Louis, MO 107.7	
KFSI Rochester, MN 88.5	KIFG-FM Iowa Falls, IA 95.3	KKTX Kilgore-Longview, TX 95.9	KMGO Centerville, IA 98.7
KFSK Petersburg, AK 100.9	KIFM San Diego, CA 98.1	KKXX Bakersfield, CA 107.9	
KFUO-FM Clayton, MO 99.1	KICG Oskaloosa, IA 88.7	KKWB Breckenridge, MN 104.9	KMHL Marshall, MN 100.1
KFXD-FM Nampa, ID 94.9	KIHR-FM Hood River, OR 105.5	KKWS Wadena, MN 105.9	
KFXE Pine Bluff, AR 92.3	KIIK Davenport, IA 103.7	KKYS Hanford, CA 107.4	KMIN Mercer Island, WA 90.1
KFXY Morgan City, LA 96.7	KIIQ-FM Manitou Springs, CO 102.7	KLAN Williston, ND 96.1	
KFYE Fresno, CA 93.7	KIIS-FM Los Angeles, CA 102.7	KLAQ El Paso, TX 95.5	KMIX Turtick, CA 105.9
KFYZ-FM Bonham, TX 98.3	KIJV-FM Huron, SD 92.1	KLAW Lawton, OK 101.5	
KGAB Carmarillo, CA 95.9	KIKK-FM Houston, TX 95.7	KLAZ-FM Little Rock, AR 98.5	KMJ-FM Fresno, CA 97.9
KGAF Gainesville, TX 94.5	KIKM-FM Sherman, TX 96.7	KLBJ-FM Austin, TX 93.7	
KGB-FM San Diego, CA 101.5 KGBA Holtville, CA 100.1	KIKT Greenville, TX 93.5	KLBQ El Dorado, AR 99.3 KLBS-FM Los Banos, OR 95.9	KMJK Lake Oswego, OR 106.7
KGBI-FM Omaha, NE 100.7	KILA Henderson, NV 95.5	KLCC Eugene, OR 90.3	KMJQ Clear Lake City, TX 102.1
KGCC Denison, TX 89.7	KILJ Mt. Pleasant, IA 105.5	KLCD Deborah, IA 89.5	
KGCH-FM Sidney, Mt 93.1	KILO Colorado Springs, CO 93.9	KLCL-FM Lake Charles, LA 99.5	KMKF Manhatten, KS 101.7
KGCS Derby, KS 95.9	KILT-FM Houston, TX 100.3	KLCM-FM Lewiston MT 05.5	
KGED Batesville, AR 88.1 KGFM Bakersfield, CA 1015	KIMI Keokuk, IA 95.3 KINB Poteau, OK 107.3	KLCR Center, TX 1023	KMLE Chandler, AZ 107.9
KGGG-FM Rapid City, SD 100.3 KGGI Riverside, CA 99.1	KIND-FM Independence, KS 101.7 KINF Dodge City, KS 91.9 KING-FM Seattle, WA. 96.1	KLDN Elden, MO 92.7 KLEA-FM Lovington, NM 101.7	KMMT Mammoth Lakes, CA 106.3
KGGO Des Moines, IA 94.9 KGHO-FM Hogulam, WA 103.9	KINI Crookston, NE 96.1	KLEF Houston, TX 95.5	KMOE Butler, MO 89,7
KGIL-FM San Fernando, CA 95.3	KINK Portland, OR 101.9	KLEL San Jose, CA 89.3	KMOO-FM Mineola, TX 96.7
	KINL Eagle Pass, TX 92.7	KLEN-FM Cheyenne, WY 106.3	KMOR Scottsbluff, NE 92.9

					1			
u.s.	FM STA	TION	S BY CALL L	ETTERS				
Call		MHZ		MHz Call	Location	MHz.	Call Location	M
KMOX-FR KMPS-FM KMRE DI KMRS DI KMRS A GI KMSC SI KMSM-FI KMSR SI KMSU M KMTN JI KMTP JI KMTS GI KMTY GI KMTU-FI								
KMOX-FN		103.3	KOLL-FM Gillette, WY KOLM-FM Rochester, MN	967 KOKY	-FM Council Bluffs, I Kearney, NE	105.9	KRTN-FM Raton, NM KRTU San Antonio, TX KRUD Las Vegas, NV	94. 91. 90.
KMRE DE	I Seattle, WA umas, TX Itsburg, KS	95.3 96.9	KOLU Pasco, WA KOLY-FM Mobridge, SD	995 KOLH	-FM Mountain Home, San Bernadino, CA	95.1	KRUN-FM Ballinger, TX KRUZ Santa Barbara, C.	103.
KMSA G	rand Junction, CO oux City, IA	91.3 88.3	KOMB Fort Scott, KS KOME San Jose, CA	98.5 KONN	Honolulu, HI Gallup, NM	93.1 93.7	KRVE Los Gatos, CA KRVH-FM Rio Vista, CA	95.
KMSM-FI	M Butte, MT	91.5 94.3	KOMR St. Louis, MO KOMW-FM Omak, WA	92.7 KQPD	Kenal, AK Ogden, UT	100.1	KRVM Eugene, OR KRVN-FM Lexington, NE	91.
KMSU M	ankato, MN ickson, WY	89.7 96.9	KONG-FM Visalia, CA KONI-FM Spanish Fork, UT	106.3 KQQC	FM Idaho Falls, ID Pullman, WA	99.1 104.9	KRVR Davenport, IA KRVS Lalayette, LA	106
KMTP M	ount Pleasant, UT lenwood Springs,CO	91.1 92.7	KOOI Jacksonville, TX KOOK-FM Billings, MT	1029 KQRR	Mithcell, SD Ronan, MT	107.3	KRWG Los Cruces, NM KRWN Farmington, NM	90 92
KMTW T	win Falls, ID M Muleshoe, TX	96.5 103.1	KOOL-FM Phoenix, AZ KOOS North Bend, OR	100.9 KQSK	-FM Golden Valley, P Chadron, NE	97.5	KRWO Gold Hill, OR KRWS Hardin, MT	100
KMUW V	Vichita, KS B Grange, TX	89.1 104.9	KOOV Copperas Cove, TX KOPE Mesilia Park, NM	104.9 KQSV	Chanute, KS Rock Springs, WY	105.5 96.5 105.9	KRXL Kirksville, MO KRXV Yermo, CA	94
KMVC B	urley, ID	98.3 100.1	KOPN Columbia, MO KOPR Butte, MT	94.1 KQUE	Houston, TX	102.9	KSAA Casa Grande, AZ KSAB Liberty, MO	
KMXU M	lanti,UT	105.1	KORA-FM Bryan, TX KORJ Garden Grove, CA	94.3 KQWI	Butte, MT B-FM Moorhead, MN	95.5 98.7 A 95.9	KSAK Walnut, CA KSAM-FM Huntsville, T	90
KMYO-F	M Broken Arrow, OK Ibquerque, NM	92.1 99.5	KORK-FM Las Vegas, NV KORQ Abliene, TX	100.7 KQXL	-FM Webster City, I. -FM New Roads, LA	106.5	KSAN San Francisco, C KSAR-FM Salem, AR	
KMYT M	erced, CA W Pryor, OK	97.5 104.5	KORS Miami, ÖK KORT-FM Grangeville, ID	92.7 KQXT	Clarinda, IA San Antonio, TX	106.3	KSAS Liberty, MO KSAU Nacodoches, TX	106
KMZK B	elgrade, MT M Burlington, CO	96.7 104.1	KOSE-FM Osceola, AR KOSI-FM Denver, CO	101.1 KQXY	McAllen, TX Beaumont, TX	96.5 94.1 98.3	KSAY Clinton, IA KSBC Redmond, OR	9:
KNAF-FR	Fredericksburg, TX	101.1	KOSN-FM Thief River Falls, N KOSO Patterson, CA	93.1 KQY1	Spring Grove, MN Phoenix, AZ	95.5	KSBR Mission Viejo, C.	
KNAQ R	tupert, ID	92.1 105.5	KOST Los Angeles, CA KOSU-FM Stillwater, OK	91.7 KRAI	Seattle, WA D-FM E. Grand Forks,	107.7 MN 103.9	KSCF Florissant-St. Ch	
KNAU F	ashville, AR lagstaff, AZ acoma, WA	88.5 97.3	KOSY Texarkana, AR KOTE Lancaster, CA	102.5 KRAI 106.3 KRAI	FM Craig, CO / Tuisa, OK	93.7 96.5	KSCL Shreveport, LA KSCM-FM Houston, MG	9
KNBS M	acoma, w.a. lanteca, CA lew Brauntels, TX	90.3 92.1	KOTO Telluride, CO KOUL Sinton-Corpus Christi	91.7 KRAY	Farmington, NM	103.9 96.9	KSCM-FM Houston, MY KSCO-FM Santa Cruz. KSCS Fort Worth, TX	CA 9
KNBU B	ew braunters, IA Baldwin, KS M Newport, AZ	92.5 105.5	TX KOUR-FM Independence, IA	95.3 KRBI	B-FM Sallisaw, OK O Ketchikan, AK	95.9 105.9	KSCU Santa Clara, CA KSD-FM St. Louis, MO	8 9
KNCC T	salle, AZ Sinton, TX	91.1 101.3	KOVA Ojal, CA KOVF-FM Kearney, NE	105.5 KRBI 91.3 KRBI	-FM St. Peter, MN	104.1 105.5	KSDM International Fa KSDN-FM Aberdeen, S	lis, MN 9
KNCT-F	M Killeen, TX tochester, MN	91.3 101.7	KOVO Gallup, NM KOWN-FM Escondido, CA	92.1 KRBI	M Pendleton, OR J Pocatello, ID	90.9 104.9	KSDS San Diego, CA KSDW Sulphur, OK	10
KNCY-F	M Nebraska City, NE	97.7 99.5	KOXE Brownwood, TX KOYE Laredo, TX	92.7 KRCI	C Colorado Springs, H Rochester, MN	101.7	KSDZ Gordon, NE	10
KNDR N	ucson, AZ Mandan, ND	104.9 103.1	KOXI Columbus, NE KOYY-FM El Dorado, KS	99.3 KRC	L Salt Lake City, UT S Sturgis, SD	90.9 93.1	KSEA Seattle, WA KSEL-FM Lubbock, TX KSEM-FM Moses Lake	
KNEB S	M Marysville, KS cottsbluff, NE M McAlester, OK	94.1 101.3	KOZE-FM Lewiston, ID KOZN Imperial, CA	99.3 KRC	T Ozona, TX U Cape Girardeau, M	94.3 O 90.9	KSEO-FM Durant, OK	10
KNEI-FR	Waukon, IA	103.9 94.7	KOZZ Reno, NV KPAM-FM Portland, OR	105.7 KRD	C-FM St. George, UT F-FM Spearman, TX	98.3	KSER Searcy, AR KSET-FM El Paso, TX	
KNEV F	vortolk, NE Reno, NV M. McPherson, KS	95.5 96.7	KPAN-FM Hereford, TX KPAS El Paso, TX	93.9	O-FM Colorado Sprin	CO 95.1	KSEZ Sloux City, IA KSFC Spokane, WA KSFH Mountain View,	
KNEY P	Plerre, SD lowata, OK	95.3 94.3	KPAT Sloux Falls, SD KPAY-FM Chico, CA	95.1 KRE	K Bristow, OK M-FM Spokane, WA	104.9 92.9	KSFI Salt Lake City, U	
KNFM !	Midland, TX Waco, TX	92.3 95.5	KPBM-FM Poplar Bluff, MO KPBS-FM San Diego, CA	89.5 KRE	O Healdsburg, CA R Billings, MT	92.9 88.9	KSFX San Francisco, (KSGM-FM Ste. Genevi	CA 10
KNGT .	Jackson, CA Seattle, WA	94.3 89.5	KPBX-FM Spokane, WA KPCC Pasadena, CA	89.3 KRE	S Moberly, MO W-FM Sunnyside, WA	104.7	KSGN Riverside, CA KSHE Crestwood, MO	eve, mo
KNHS	Torrance, CA	89.7 96.9	KPCG Joplin, MO KPCR-FM Bowling Green, M	O 100.9 KRF	X-FM Grand Junction G Greenfield, MO	93.5	KSHI Zuni, NM KSHU Huntsville, TX	
KNIF G	llmer, TX M Anchorage, AK	95.3 105.5	KPCS Pasadena, CA KPCW Park City, UT	91.9 KRF	O-FM Owatonna, MN S-FM Superior, NE	103.9	KSID-FM Sidney, NE KSIH Picateeo, ID	
KNIM-F	M Maryville, MO arson City, NE	95.3 94.7	KPDJ Eureka, CA KPDQ-FM Portland, OR	93.7 KRG	I-FM Grand Island, N K Carthage, MO	104.9 104.9	KSIW-FM Woodward, KSJC-FM Stockton, C	OK
KNIX-F	M Phoenix, AZ Thousand Oaks,CA	102.5 92.7	KPEC-FM Tacoma, WA KPEN Los Altos, CA		S Spencer, IA T Taylor, TX	92.1 102.3	KSJM Jamestown, ND KSJN Minneapoils, Mi	
KNJY C	Clinton, IA Monroe, LA	97.7 88.7	KPER Hobbs,NM KPFA Berkeley, CA	94.1 KRH	D-FM Duncan, IL S-FM Builhead City,	AZ 102.3	KSJO San Jose, CA KSJR-FM Collegeville	
KNM1 F	Farmington, NM Long Beach, CA	88.9 97.9	KPFB Berkeley, CA KPFM Kerryville, TX	94.3 KRI	M Lake Havasu City, C Rexsburg, ID	90.1 96.9	KSJS San Jose, CA KSJU Collegeville, MA	
KNOD	Harian, IA FM Monroe, LA	105.5 101.1	KPFT Houston, TX KPGA Pismo Bech, CA	95.3 KRI	T Clarion, IA K Brownsville, TX Z Roswell, NM	99.5 97.1	KSJV Fresno, CA KSKA Anchorage, AK	_1
KNOF	St. Paul, MN Haure, MT	95.3 90.1	KPGR Pleasant Grove, UT KPGY Ames, IA	919 KRJ	B Monte Rio, CA E-FM Albuquerque, I	97.7	KSKD Salem, OR KSKG Salina, KS	1
KNOK-	FM Fort Worth, TX Dallas, TX	107.5 90.9	KPIC Albuquerque, NM KPIG Honolulu, HI	93.9 KRK	N Anchorage, AK T-FM Albany, OR	102.1 99.9	KSKI-FM Sun Valley, KSKR Mena, AR	1
KNOS KNOT-	Marshall, MO FM Prescott, AZ	91.7 98.3	KPIR Duluth, MN KPJH Fort Stockton, TX	94.3 KRK	Y Castle Rock, CO S Knoxville, IA	92.1 92.1	KSKU Hutchinson, KS KSLC McMinnville, O	R
KNPR	Los Vegas, NV FM Newport, OR	89.5 102.5	KPLE Temple, TX KPLL Pella, IA	103.3 KRL	T South Lake Tahoe.		KSLE Seminole, OK KSLH St. Louis, MO	
KNTF	Ontario, CA Witchita Falls, TX	93.5 103.3	KPLN-FM Plains, TX KPLU Tacoma, WA	88.5 KRL	Y Houston, TX AD-FM Shreveport, L.	93.7	KSLL Richardson, TX KSLQ St. Louis, MO	
KNTU	Denton, TX Tyler, TX	88.1 101.5	KPLV Pueblo, CO KPNC-FM Ponca City, OK	100.9 KRM	AQ Provo, UT	94.9 93.5	KSLS Liberal, KS KSLU Hammond, LA	
KNUS KNUW	Dailes, TX Great Fails, MT	96.7 94.5	KPND Sandpoint, ID KPNW-FM Eugene, OR	99.1 KR	NB-FM Neah Bay, WA	90.1	KSMB Lafayette, LA KSMC Moraga, CA	
KNWA	Paradise, CA Fayetteville, AR	96.7 103.9	KPOL-FM Los Angeles, CA. KPOO San Francisco, CA. KPOP-FM Roseville, CA	89.5 KR	O Reno, NV O Des Moines, IA	106.9 102.5	KSME Manti, UT KSMI-FM Donaldson	ville, LA
KNWD	-FM Sloux Falls, SD Natchitoches, LA	96.5 91.7	KPOY Linue, HI KPPL Lakewood, CO	93.5 102.7	Y-FM Kearney-Hold	rege, NE 96.9	KSMO-FM Salem, MC KSMR Winona, MN	
KNWS	Beilingham, WA -FM Waterloo, IA	104.3	KPPS-FM Parsons, KS KPQ-FM Wenatchee, WA	011 KR	DA Aurora; NE DB-FM Robstown, TX	103.1 99.9	KSMU Springfield, M KSMX Ft. Dodge, IA	O
KNXR	M Los Angeles, CA Rochester, MN	93.1 97.5	KPOX Havre, MT KPRA Paso Robies, CA	92.5 KR	DE-FM Sheridan, WY	94.9	KSND Eugene, OR KSNI-FM Santa Mari	e, CA
KOAK-	Hiawatha, KS —FM Red Oak, IA	103.1 95.3 91.5	KPRI San Diego, CA KPRM-FM Park Rapids, MN	106.5 KR	OF-FM Abbeville, LA	104.9 92.7	KSNM Santa Fe, NM KSNR Red Bluff, CA	
KOAQ	Portland, OR Denver, CO	103.5	KPRS Kansas City, MO KPSH-FM Palms Springs, C.	103.3 KR	OK Shreveport, LA	94.5 106.7	KSNS Lake Charles, KSNY-FM Snyder, T	K
KOB-F	M Albuquerque, NM	103.5 93.3 91.3	KPSR Los Altos, CA KPSU Goodwell, OK	91.5 KR	OY-FM Sacramento, OZ Tyler, TX	92.1	KSOL San Mateo, CA KSON-FM San Diego KSOP-FM Salt Lake	, CA
KOBH	Jopiin, MO -FM Hot Springs, SD	101.5 88.5	KPTL Carson City, NE KPVU Prairte View, TX	91.3 KR	PC Owatonna, MN PL-FM Moscow, ID	90.5 103.9	KSOR Ashland, OR	
KOCM	Oklahoma City, OK Newport Beach, CA Pacific Grove, CA	103.1 104.9	KPXI Mount Pleasant, TX KPYN Altanta, TX	100.7 KR 99.3 KR	PM-FM Tacoma, WA PR Rochester, MN	106.1 89.9	KSOZ Point Lookout KSPA Hot Springs. A KSPB Pebble Beach	AR .
KOCV	Odessa, TX	91.3 99.1	KQAA Aberdeen, SD KQAD-FM Luverne, MN	94.9 KR 93.7 KP	QK Lompoc, CA QQ Tucson, AZ	100.9 93.7	KSPC Claremont, C.	A
KODY	-FM Houston, TX -FM North Platte, NE	94.9 97.7	KQAL Winona, MN KQCA Canton, MO	88.5 KR 102.3 KR	RC Portland, OR RO Ardmore, OK	89.3 92.1	KSPL-FM Diboli, TX KSPN Aspen, CO	
KOEL	Doniphan, MO -FM Oeiwein, IA	92.3 92.3	KQCR Cedar Rapids, IA KQDE-FM Waseca, MN	102.9 KR 92.1 KR	RV Alexandria, LA SA-FM Salinas-Mont	100.3 erey, CA	KSPZ Colorado Spri KSRA-FM Salmon, I	ngs, CO
KOFA	Newton, KS Yuma, AZ	91.5 104.1	KOSS-FM Duluth, MN KODY Bismarck, ND	94.9 94.5 KR	SB Roseburg, OR	100.7 103.1	KSRD Seward-Linco	in, NE
KOFO	Okiahoma City, OK	95.7 92.7	KQED-FM San Francisco, C	2A 88.5 KR 100.3 KR	SH Overland, MO SI-FM St. Louis Park	90.1	KSRF Santa Monica KSRH San Rafael, C	
KOGA	-FM Ogelieis, NE # Opelooses, LA	107.1 89.3	KQHU Yankton, SD	104.9 104.1 KR	SJ Durango, CO	MN 104.1 101.5	KSRN Reno, NV KSRR Houston, TX	
KOHS	Fremont, CA Orem, UT	91.7 99.3	KQIC Willmar, MN KQID Alexandria, LA	102.5 KR	SL-FM Russell, KS SM Dallas, TX	95.9 89.3	KSRT Tracy, CA KSSN Little Rock, A	R
KOIT	J-FM Hermiston, OR San Francisco, CA	96.5 89.7	KQIP Odessa, TX KQIQ-FM Leemore, CA	96.9 KR	SN-FM Los Alamos, SP-FM Salt Lake Cit	y, UT 103.5	KSSR Kallspell, MT KSTA-FM Coleman, KSTC-FM Sterling,	TX
KOKE	Cedar Rapids, IA -FM Austin, TX -Edmond, OK	95.5 90.9	KQIV Corpus Christi, TX KQIX Grand Junction, CO	91.9 KR 93.1 KF	ST Albuquerque, NN ISW-FM Worthington	92.3 -Marshall,	KSTC-FM Sterling, KSTG Sikeston, MO KSTJ San Angelo, 1	1
KOKL	Edmond, OK FM Okmulgee, OK D Seaside, CA	94.3 107.1	KQIZ-FM Amarillo, TX KQKI-FM Bayou Vista, LA	93.1 95.3 KF	TH Los Angeles, CA	MN 91.7	KSTK Wrangell, AL KSTM Apache Juno	
V OP			KOKK Manteca, CA	96.7 KF	TM Temecula, CA	88.9	Apacite outle	

	U.S.	FM STATIONS BY	CALL LETTERS
Call Location MHz	Call Location MHz	Call Location MHz	Call Location MHz
KSTN-FM Stockton, CA 103.3 KSTO Agana, GU 95.5	KUID Moscow, ID 91.7	KWJM Farmersville, LA 92.7	KZAG Dallas, TX 90 1
KSTP-FM Minneapolis-	KUIN Vernal, UT 92.7 KUJ-FM Walla Walla, WA 95.7	KWJS Arlington, TX 94.9 KWKI Kansas City, MO 93.3	KZAM-FM Bellevue, WA 92.5
KSTX Canon City, CO 103.9 KSUB-FM Cedar City, UT 92.5	KULA Walpahu, HI 92.3 KULL Scott City, KS 94.5	KWKK Dardanelle, AR 102.3 KWKO Anchorage, AK 102.1	KZAP Sacramento, CA 98.5 KZED Wellington, KS 93.5
KSUC Keene, TX 88.3 KSUE-FM Susanville, CA 92.7	KULM Columbus, TX 98.3 KULP-FM El Campo, TX 96.9 KUMA-FM Pendleton, OR 107.7	KWKQ Graham, TX 107.1 KWKS Winfield, KS 105.5	KZEL-FM Eugene, OR 96.1 KZEU Victoria, TX 107.9
KSUI towa City, IA 91.7 KSUL Long Beach, CA 90.1	KUMD-FM Duluth, MN 89.1	KWLB-FM Marksville, LA 97.7 KWLD Plainview, TX 91.5	KZEV Clear Lake, IA 103.1 KZEZ St. George, UT 93.5
KSUT Ignaclo. CO 91.3 KSVP-FM Artesia. NM 92.9	KUMM Morris, MN 89.7 KUMU-FM Honolulu, HI 94.7 KUNA San Luis Obispo, CA 96.1	KWLF Oskdale, CA 95.1 KWLS-FM Pratt, KS 93.1	KZFM Corpus Christi, TX 95.5 KZIB Cave City, AR 89.9
KSWC Winfield, KS 88.3	KUNC-FM Greeley, CO 91.3 KUNF La Canada, CA 88.9	KWLV Many, LA 107.1 KWLW San Angelo, TX 93.9 KWMJ Midland, TX 103.3	KZIN-FM Shelby, MT 96.3 KZIO Superior, WI-Duluth, MN 102.5
KSWH Arkadelphia, AR 91.1 KSWT Topeka, KS 93.7	KUNI Cedar Falls, IA 90.9 KUNM Albuquerque, NM 90.1	KWMO St. Louis, MO 90.7 KWMU St. Louis. 90.7	KZIP Amerillo, TX 98.7 KZIQ-FM Ridgecrest, CA 92.7 KZLA-FM Los Angeles, CA 93.9
KSXT Walla Walla, WA 97.1 KSYM-FM San Antonio, TX 90.3 KSYN Joplin, MO 92.5	KUNR Reno, VN 88,7 KUNV Las Vegas, NV 91.5	KWNE Uklah, CA 94.5 KWNT-FM Davenport, IA 106.5	KZLO Puebio, CO 100.7
KTAK Riverton, WY 93.5 KTAL-FM Texarkana, TX 98.1	KUOA-FM Siloam Springs, AR 105.7 KUOE El Paso, TX 95.5	KWOA-FM Worthington, MN 95.1 KWOD Sacramento, CA 106.5	KZOK-FM Seattle, WA 102.5 KZOM Orange, TX 104.5
KTAP Crete, NB 103.9 KTAR-FM Phoenix, AZ 98.7	KUOI-FM Moscow, ID 89.3 KUOP Stockton, CA 91.3 KUOR-FM Redlands, CA 89.1	KWPB Liberty, MO 91.9 KWPM-FM West Plains MO 93.9	KZOZ San Luis Obispo, CA 93.3 KZRI Helena, AR 103.1
KTAV Knoxville, IA 92.1 KTAZ-FM Sieer Vista, AZ 100.9	KUOR-FM Rediands, CA 89.1 KUOW Seattle, WA 94.9 KUPD-FM Tempe, AZ 97.9	KWRF-FM Warren, AR 105.5 KWRO-FM Coquille, OR 102.3	KZRK-FM Ozark, AR 96.7 KZSC Santa Cruz, CA 88.1
KTBC Nacogdoches, TX 92.1 KTCC Colby, KS 91.9	KUPL Portland, OR 98.5	KWRS Spokane, WA 90.3 KWRW Rusk, TX 97.7	KZST Sania Rosa, CA 100.1 KZSU Stanford, CA 90.1
KTCH-FM Wayne, NE 104.9 KTCL Fort Collins, CO 93.3	KURL-FM Billings, MT 97.1 KURY-FM Brookings, OR 95.3	KWSC Wayne, NE 91.9 KWSM Tulare, CA 106.7 KWST Los Angeles, CA 105.9	KZUE Oklahoma City, OK KZUM Lincoln, NE 102.7 89.5
KTCR-FM Minneapolis, MN 97.1 KTCS-FM Fort Smith, AR 99.9	KUSD-FM Vermillon, SD 89.9 KUSF San Francisco, CA 90.3	KWTC-FM Barstow, CA 94.3	KZUN-FM Opportunity, WA 96.1 KZUU Pullman, WA 90.7
KTCU-FM Fort Worth, TX 88.7 KTDB Ramah, NM 89.7	KUSN-FM St. Joseph, MO 88.9 KUSP Santa Cruz, CA 88.9	KWTS Canyon, TX 91.1 KWTX-FM Waco, TX 97.5	KZZL Lemars, IA 99.5 KZZP-FM Mesa, AZ 104.7
KTDY Lafayette, LA 99.9 KTED Fowler, CA 96.7 KTEC Klemath Falls, OR 88.1	KUSU-FM Logan, UT 91.5 KUT-FM Austin, TX 90.7	KWUR Layton, MO 90.3 KWVE San Clemente, CA 107.9	KZZQ Golden Meadow, LA 94.3 KZZY San Antonio, TX 100.3 KZZZ Kingman, AZ 92.7
KTEC Klemath Falls, OR 88.1 KTEN-FM Ada, OK 93.3 KTEP El Paso, TX 88.5	KUTE Glendaie, CA 101.9 KUUL Madera, CAS 92.1	KWWA Bremerton, WA 106.9 KWWC Columbia, MO 90.5	WAAF Worcester, MA 107.3 WAAL Binghamton, NY 99.1
KTEQ Rapid City, SD 88.1 KTEZ Lubbock, TX 101.1	KUUU Neola, UT 88.1 KUUZ Nampa, ID 96.9	KWWK Rochester, MN 96.7 KWWM Stehpenville, TX 98.3	WABB-FM Mobile, AL 975
KTFC Sloux City, IA 103.3 KTFM San Antonio, TX 102.7	KUVR-FM Holdrege, NE 97.7 KUWR Laramie, WY 91.9 KVAR Sen Antonio, TV 104.5	KWWR-FM Mexico, MO 96.7 KWXY-FM Cathedral City, CA 98.5	WABD-FM Fort Campbell, KY 107.9 WABE Atlanta, GA 90.1
KTFX Tulsa, OK 103.3 KTHO-FM Tahoe Valley, CA 103.1	KVAR San Antonio, TX 104.5 KVCL-FM Winnfield, LA 92.1 KVCM Montgomery City, MO 103.9	KWYD Security, CO 105.5 KWXL Alburguergue, NM 94.1	WABF-FM Fairhope, AL 92.1 WABK-FM Gardiner, MF 104.3
KTIB-FM Thibodaux, LA 106.0 KTIG Peguot Lakes, MN 100.1	KVCO Concordia, KS 88.3 KVCR San Bernardino, CA 91.9	KWYK Aztec-Farmington, NM 94.9 KWYN-FM Wynne, AR 92.3	WABN-FM Abingdon, VA 92.7 WABO-FM Waynesboro, MS 105.5
KTIH Pasadena, TX 89.3 KTIL-FM Tillamook, OR 104.1	KVDB-FM Sloux Center, IA 94.3 KVEE-FM Conway, AR 105.1	KWYR-FM Winner, SD 93.7	WABR-FM Tifton, GA 90.5 WABX Detroit, MI 99.5
KTIM-FM Sen Rafael, CA 100.9 KTIS-FM Minneapolis, MN 98.5	KVFG Thibodaux, LA 91.5 KVFM Ogden, UT 95.5	KWY1-FM Salinas, CA 100.7 KXBQ Ontario, OR 96.1 KXCV Maryville, MO 90.5	WABZ-FM Albemarle, NC 100.9 WACC Arnold, MD 89.9 WACE Paris, IL 96.2
KTIS Alexandria, LA 96.9 KTJJ Farmington, MO 97.1 KTKC Springhill, LA 92.7	KVFS Vacaville, CA 95.3 KVGB-FM Great Bend, KS 104.3	KXDD richland, WA 106.3 KXEL-FM Waterloo, IA 105.7	WACI Freeport, IL 92.1
KTKC Springhill, LA 92.7 KTKT-FM Tucson, AZ 96.1 KTLB-FM Twin Lakes, IA 105.5	KVHS Concord, CA 91.1 KVIB Makawao, HI 94.3	KXEZ Yuba City, CA 103.9 KXFM Santa Maria, CA 99.1	WACL-FM Waycross, GA 103.3 WACR-FM Columbus, MS 103.9 WACT-FM Tuscalooaa, AL 105.5
KTLO FM Mountain Home,	KVIL Travis AFB, CA 91.5 KVIL-FM Hightand Park-Dallas,	KXGO Arceta, CA 93.5 KXGR Grand Repids MN 95.7	WADB Point Pleasant, NJ 95,9 WADI Corinth, MS 95,3
KTLS Oklahoma City, OK 98.9 KTLX Columbus, NE 91.9	KVIM Coachella, CA 93.7 KVIP-FM Redding, CA 98.1	KXIQ Bend, OR 94.1 KXIT-FM Dalhart, TX 95.9	WADM-FM Decatur, IN 92,7 WADV Buffalo, NY 106.5
KTMO Kennett, MO 98.9 KTMP Spanish Fork, UT 106.3	KVLE Gunnison, CO 102.3 KVLR Detroit Lakes, MN 95.3	KXKQ Safford, AZ 94.1 KXKZ Ruston, LA 107.1	WAED Huntsville, AL 90.9 WAEL-FM Maricao, PR 96.1
KTMT-FM Santa Barbara, CA 97.5 KTMT Medford, OR 93.7	KVLU Beaumont, TX 91.3 KVLV-FM Fallon, NV 99.3	KXLA-FM Spokane, WA 99.9 KXLE-FM Ellensburg, WA 95.3 KXLU Los Angeles, CA 88.9	WAER Syracuse, NY 88.3 WAEV Savannah, GA 97.3
KTNM-FM Tucumcarl, NM 92.7 KTOC-FM Jonesboro, LA 104.9 KTOF Ceder Bands, IA 104.5	KVMR Nevada City, CA 89.5 KVMT Vall, CO 104.7	KXMS Alice, TX 92.1 KXO-FM El Centro, CA 107.5	WAEY-FM Princeton, WY 95.9 WAEZ Akron, OHJ 97.5 WAFB-FM Baton Rouge, LA 98.1
KTOF Cedar Rapids, IA 104.5 KTON-FM Belton, TX 106.3 KTOO Juneau, AK 104.3	KVMV-FM McAllen, TX 98.9 KVNF Paonia, CO 90.9	KXOA Sacramento, CA 107.9 KXOJ Sapulpa, OK 100.9	WAFC Clewiston, FL 106.3 WAFG Ft. Lauderdale, FL 90.3
KTOT-FM Big Bear Lake, CA 101.7 KTOY Tacoma, WA 91.7	KVNO Omaha, NE 90:7 KVOM-FM Morrilton, AR 101.7 KVPC Fairfield, IA 89.5	KXOL Fort Worth, TX 99.5 KXOR Thibodeauz, LA 106.3	WAFL-FM Milford, DE 97.7 WAFM Armory, MS 95.3
KTPK Topeka, KS 106.9 KTPR Fort Dodge, IA 91.1	KVPI-FM VIIIe Platte, LA 93.5 KVPR-FM Fresno, CA 89.3	KXOX-FM Sweetwater, TX 96.7 KXPR Sacramento, CA 88.9	WAFT Valdosta, GA 101.1
KTQM-FM Clouis, NM 99,9 KTRO Leavenworth, KS 98.9	KVRE-FM Santa Rosa, CA 91.5 KVRF Vermillion, SD 102.3	KXRT Taos, NM 101.7	WAGI-FM Gaffney, SC 105.3 WAGQ Athens, GA 104.7
KTRU Houston, TX 91.7 KTRX Tarklo-Rockport, MO 93.5 KTRY-FM Bastrop, LA 94.3	KVRN-FM Salida, CA 92.1 KVRN-FM Sonora, TX 92.1	KXTC Glendale, AZ 92.3 KXTR Kansas City, MO 96.5 KXTZ Henderson, NV 94.1	WAHC Oshkosh, WI 96.7 WAHM Amherst, MA 89.5 WAHR Huntsville, AL 99.1
KTSC-FM Pueblo, CO 89.5	KVRO Stillwater, OK KVSR Rapid City, SD 97.9	KXVR Mountain Press, CA 104.9 KXXE Forsyth, MT 101.3	WAHS Auburn Heights, MI 89.5 WAIA Mismi, FL 97.3
KTSR Kansas City, MO 90.1 KTSU Houston, TX 90.9	KVVC-FM Cabook, MO 106.3	KXXI Fort Smith, AR 100.9 KXXK Chickesha, OK 105.5	WAIC Springfield, MA 91.9 WAID Clarksdale, MS 106.3
KTTI Yuma, AZ 95.1 KTTL Dodge City, KS 93.9	KVVP Leesville, LA 105.5 KVVQ Victorville, CA 103.1 KVWC-FM Vernon, TX 102.3	KXXX-FM Colby, KA 100.3 KXXY Oklahoma City, OK 96.1	WAIF Cincinnati, OH 88.3 WAIL Sildell, LA 105.3
KTTN-FM Trenton, MO 92.1 KTTS Springfield, MO 94.7	KVWM-FM Show Low, AZ 93.5 KVXJ Crescent City, CA 90.1	KYA-FM San Francisco, CA 93.3 KYBO Yakima, WA 98.3	WAIM-FM Anderson, SC 101.1 WAIN-FM Columbia, KY 935
KTUF Terreli Hills, TX 106.3 KTUH Honolulu, Hi 90.3	KVYN St. Helena, CA 99.3 KWAO Sun City, AZ 106.3	KYBS Livingston, MT 97.7 KYDS Sacramento, CA 91.5 KYDZ Cody, WY 90.1	WAIV-FM Jacksonviller, FL 96.9 WAJC Indianapolis, IN 104.5
KTUO Sonora, ČA 104.9 KTW-FM Seattle, WA 102.5 KTWN-FM Anoka, MN 107.9	KWAR Waverly, IA 89.1 KWAS Amarillo, TX 101.9	KYEA West Monroe, LA 98.3 KYEZ Salina, KS 93.7	WAJK La Salle, IL 90.3 WAJP Joliette, IL 93.5 WAJR-FM Morgantows MV
KTWN-FM Anoka, MN 107.9 KTWR Tacoma, WA KTXJ-FM Jasper, TX 102.3	KWAT-FM Watertown, SD 96.1 KWAV Monterey, CA 96.9	KYFM Batrilesville, OK 100.1 KYGO Denver, CO 98.5	WAJR-FM Morgantown, WV 101.9 WAKG Danville, VA 103.3 WAKM Bedford, PA 100.9
KTXN-FM Victoria, TX 98.7 KTXR Springfield, MO 101.5	KWAX Eugene, OR 91.1 KWBG-FM Boone, IA 98.3 KWBI Morrison, CO 91.1	KYKK Humble City, NM 94.1 KYKR-FM Port Arthur, TX 93.3	WAKM Bedford, PA 100.9 WAKN-FM Alken, SC 99.3 WAKO-FM Lawrenceville, IL 103.1
KTXQ Fort Worth, TX 102.1	KWBJ Payette, ID 100.1	KYKX Longview-Tyler- Marshall, TX 105.7	WAKQ Russellville, KY 101.1 WAKS-FM Fuquay-Variana, NC
KTXU Paris, TX 99.3 KTYL-FM Tyler, TX 93.1	KWCB Floresville, TX 94.3 KWCR-FM Orden, UT 88.1	KYLC Osage Beach, MO 93.5 KYLO Davis, CA 105.5	WAKW Cincinnati, OH 93.3
KTYX-FM Amarillo, TX 98.7 KTZA Artesia, NM 92.9	KWCX Willcox, AZ 90.5	KYLT-FM Missoula, MT 100.1 KYMC Ballwin, MO 89.9 KYMS Santa Ana, CA 106.3	WAKX-FM Duluth, MN 98.9 WALF Alfred, NY 89.7
KUAC-FM Fairbanks, AK 104.1 KUAD-FM Windsor, CO 99.1 KUAF Fayetteville, AR 88.9	KWDB-FM Richfield, MN. 101.3 KWDE Montrose, CO 96.1	KYND-FM Pasadens, TX 92.5 KYNG-FM Coos Bay, OR 105.6	WALK-FM Patchogue, NY 97.5 WALL-FM Middletown, NY 92.7
KUAM-FM Agana, GU 93,9 KUAT-FM Tucson, AZ 90.5	KWDG Idabel, OK KWDM West Des Moines, IA 88.9	KYNN-FM Omaha,NE 94.1 KYNO-FM Fresno, CA 95.5	WALP Corinth, MS 90.5 WALR-FM Union City, TN 104.9 WALT Meridian, MS 97.1
KUBB Mariposa, CA 96.3 KUBC-FM Montrose, CO 94.1	KWDX Silsbee, TX 101.7 KWED-FM Sequin, TX 105.3 KWEH Camden, AR 97.1	KYNR Pueblo-Colorado Springs	WALX Seima, AL 100.9 WALZ Machias, ME 95.3
KUBO Chualar, CA 89.7 KUBS Newport, WA 90.5	KWEN Tulsa, OK 95.5	KYOO-FM Boliver, MO 106.3 KYOR-FM Bivthe, CA 100.3	WAMC Albany, NY 90.3
KUCA Conway, AR KUCB-FM Des Moines, IA 89.3	KWEZ Monroe, LA 104.1 KWFC Springfield, MO 97.3	KYOT Refugio, TX KYOT Waynesville, MO 102.3	WAMI-FM Opp, AL 102.3 WAMO Pittsburgh, PA 105.9
KUCV Lincoln, NE 91.3 KUDL Kansas City, KS 98.1	KWFM Tucson, AZ 92.9 KWGS Tulsa, OK 89.5	KYRS Chriton, IA 105.5 KYSC Yakima, WA 88.5 KYSS-FM Misaoula, MT 94.9	WAMP-FM Toledo, OH 88.3 WAMR-FM Venice, FL 92.1
KUDO Las Vegas, NV 93.1 KUER Salt Lake City, UT 90.1 KUEZ Yakima, WA 106.3	KWHI Brenham, TX 106.3	KYTN Grand Forks, ND 94.7 KYUF Uvaide, TX 95.2	WAMU-FM Washington, DC 88.5 WAMX Ashland, KY 93.7
KUEM Missoula, MT 89.1 KUFD Odessa, TX 97.9	KWHO-FM Salt Lake City, UT 93.3 KWHP Edmund, OK 97.7	KYUU San Francisco, CA 99.5 KYXY San Diego, CA 96.5	WAMZ Louisville, KY 97.5 WANB-FM Waynesburg, PA 103.1
KUGN-FM Eugene, OR 97.9 KUGS Bellington, WA 89.3	KWHS West Sacramento, CA 91.7 KWHW-FM Altus, OK 93.5	KYYA Billings, MT 93.3 KYYS Kanses City, MO 102.1	WANY-FM Albany, KY 106.3
KUHF Houston, TX 88.7 KUHS Roosevelt, UT 90.9	KWIC Beaumont, TX 107.7 KWIN Lodi, CA 97.7 KWIQ-FM Moses Lake, WA 99.3	KYYX Seattle, WA 96.5 KYYY Bismarck, ND 92.9	WAOV-FM Vincennes, IN 96.7 WAPI-FM Birmingham, AL 94.5
KUIB Vernal, UT 89.1 KUIC Vacaville, CA 95.3	KWIT Sloux City, IA 90.3 KWIT Santa Ana, CA 96.7	KYZM-FM Cape Girardeau, MO	WAPL Appleton, Wi 105.7 WAPS Akron, OH 89.1
IUNICATIONS WORLD 1981	30,7	KYZZ Wolf Point, MT 92.7	WAQA Grasonville, MD 103.1

J.S. FM STAT	IONS	BY CALL	LETTE	RS					
		all Location	MHz	Call	Location	MHz	Call	Location	MHz
, , , , , , , , , , , , , , , , , , ,	4.1 V	VBNC-FM Conway, NH	93.5	WCLR Skot	cie, IL	101.9		Chicago, IL	89.3 107.1
WAQX Manilus, NY 9	5.3 Y	BNL-FM Boonville, IN	107.1 100.9	WCLT-FM I	Newark, OH eland, OH	100.3 95.5	WDDJ F	Marion, IL Paducah, KY	96.9
	0 3 V	BNQ Bloomington, IL	101.5	WCLW-FM WCLX Boys	Mansfield, OH	105.3 93.5	WDEA-F	Adel, GA M Ellsworth, ME	92.1 95.7
WARG Summit, IL 8	18.3 V	VBNT-FM Oneida, TN VBNY Buffalo, NY	105.5 96.1	WCMC-FM	Wildwood, NJ	100.7 96.9	WDEB-F	M Jamestown, TN M Chattanooga, TN	100.1 92.3
WARU-FM Peru, IN 9	06.3 V 08.5	VBNZ Frankfort-Benzonia,	MI 99.3	WCMF-FM	Brunswick, ME Rochester, NY	96.5	WDFH-I	M Sweetwater, TN M Macon, GA	96.3 105.3
WASD Exeter, PA 8	18.1 V	VBOC-FM Sallsbury, MD VBOE Cleveland, OH	104.7 90.3	WCMJ Che WCML-FM		99.3 91.7	WDEK	DeKalb, IL	92.5 91.1
WASK-FM Latayette, IN 10	5.3	VBOP-FM Pensacola, FL VBOQ Trre Haute, IN	101.5	WCMN-FM WCMO Ma	Arecibo, PR.	107.3 89.3	WDET-F	M De Graff, OH M Detroit, MI	101.9
	12 3	VBOR Brunswick, ME	91.1	WCMP-FM	Pine City, MN Hislesh, FL	92.1 92.1	WDEZ WDEP	Wausau, Wi Battle Creek, Mi	101.9 95.3
WASU-FM Boone, NC	90.5 95.3	VBOS Brookline-Boston, N VBPM Kingston, NY	94.3	WCMS-FM	Norlolk, VA	100.5	WDGM	Canton, MS FM Downers Grove,	101.7 IL 88.3
WATD Marshfield, MA	95.9	WBPR Barrington, IL WBPV Charlton, MA	88.5 90.1	WCMX Ft.		101.7	WDHA-	FM Dover, NJ Presque Isle, ME	105.1 96.9
WATO-FM Oak Ridge, TN	94.3	WBPZ-FM Lock Haven, PA WBQM Decatur, AL	92.1 91.7	WCMZ Gro WCNA-FM	Scottsboro, AL	102.3 98.3	WDHR	Pikesville, KY	92.1 90.9
WATW-FM Ashland, WI	95.9	WBRB-FM Mt. Clemens, MI	102.7	WCNB-FM WCNF Whi	Connersville, IN	100.3 95.3	WDIF N	Gaston, IN Iarion, OH	94.3
WAUN Kawaunee, WI	92.7	WBRE-FM Wilkes-Barre, PA WBRH Baton Rouge, LA	90.1	WCNI-FM	New London, CT Newfport, NH	91.5 101.7	WDIZ	Orlando, FL Birmingham, AL	100.3 93.7
WAUP Akron, OH	07.9	WBRK-FM Pittsfield, MA WBRN-FM Blg Rapids, Mi	101.7	WCNV Am	herst, VA	107.9 91.3	WDJF \	Vestport, CT FM Framingham, MA	107.9
WALLS Berrien Springs Mi	909 1	WBRQ Cidra, PR WBRS Waitham, MA	97.7 91.7	WCOD Hy	Liverpool, NY annis, MA	106.1	WDJW	Somers, CT (enia, OH	89.7 103.9
WAVM Maynard, MA	91.7	WBRU Providence, RI WBSB Baltimore, MD	95.5 104.3	WCOL-FM	Newman, GA Columbus, OH	96.7 92.3	WDKX	Rochester, NY	103.9
WAVV Vevay-Warsaw, IN	95.9	WBSD Burlington, WI WBSF Biddeford, ME	89.1 91.7	WCOM-FM	Urbana, OH Cornella, GA	101.7 99.3	WDLB-	FM Walton, NY FM Marshfield, WI	92.1 106.5
WAXI Rockville-Clinton, IN 1	04.9	WBSJ Ellisville, MS	102.3	WCOS-FM	Columbia, SC Lewiston, ME	97.9 93.3	WDLM-	FM Port Jervis, NY FM East Moline, IL	96.7 89.3
WAWK-FM Kendaliville, IN	00.7	WBSL Sheffield, MA WBSN-FM New Orleans, L	91.7 A 89.1	WCOW-FN	Sparta, WI	97.1 94.5	WDME-	FM Dover-Foxcroft. -FM Douglas, GA	ME 103.1 99.5
WAWZ-FM Zarephath, NJ	99.1 96.7	WBST Muncle, IN WBSU Brockport, NY	92.1 88.9	WCOZ BO WCPA-FM	Clearlield, PA	93.5	WDMP-	FM Dodgeville, WI Cleveland, OH	107.1 107.9
WAXU Georgetown, KY	03.1	WBTF Attica, NY WBTG Sheffield, AL	101.7 106.3	WCPE Rai	Houston, MS leigh, NC	93.3 89.7	WDNA	Miami, FL	88.9
WAXY Ft. Lauderdale, FL 1	05.9	WBTR-FM Carrollton, GA	92.1 105.5	WCPI Who	eeling, WV Pageland, SC	98.7 102.3	WDNS	Chester, PA Bowling Green, KY	89.5 98.3
WAYD Ozark, AL 1 WAYL-FM Minneapolis, MN	93.7	WBTY Homerville, GA WBUF Buffalo, NY	92.9	WCPZ Sai	ndusky. OH eltham, MA	102.7	WDOC	Olive Hill, TN FM Prestonsburg, K	
WAYV Atlantic City, NJ	95.1 95.9	WBUK Columbus, OH WBUR Boston, MA	96.3 90.9	WCRC Eff	lingham, IL	95.7 100.1	WDOD	FM Chattanooga, T Delphos, OH	
WAZY-FM Lafavette, IN	96.5 101.9	WBUT-FM Butler, PA WBWB Bloomington, IN	97.7 96.7	WCRD BI	eveland, OH	103.3	WDOK	Cleveland, OH Providence, RI	102.1
WBAB-FM Babylon, NY 1	94.3	WBWC Berea, OH WBXB Edenton, NC	88.3 100.1	WCRM D	Illamsport, MD undee, IL	90.5	WDOQ	Daytona Beach, FL. FM Sturgeon Bay, V	101.9
WBAD Leiand, MS WBAG-FM Burlington-Graham,		WBXL Baldwinsville, NY WBYG Kankakee, IL	90.5 99.9	WCRN CH WCRQ-FN	nariotte Amaile, VI Arab, AL	101.1 92.7	WDOW	-FM Dowaglac, MI	97.9
WBAL New York, NY	93.9 99.5	WBYO Boyertown, PA	107.5 98.5		Greenwood, SC	96.7 107.1	WDQN	Dayton, OH -FM Du Quoin, IL	89.3 95.9
WRAU Garden City, NY	98.9	WBYS-FM Canton, IL WBYQ Hendersonville, TN	92.1	WCRY-FN	Macon, GA eveland, ОН	107.9 89.3	WDRC	FM Hartford, CT Monmouth, IL	97.7
WRAW-FM Barnwell, SC	101.7 101.7	WBYU New Orleans, LA WBZ-FM Boston, MA	95.7 106.7	WCSD-FN	Warminster, PA	89.9 92.3	WDRM	Decatur, AL Detroit, MI	102.1 93.1
WBBA-FM Pittsfield, IL	97.7 93.5	WBZI Xenia, OH WCAA Kalamazoo, MI	95.3 89.9	WCSG G	heboro, NC rand Rapids, MI	91.3	WDRU	Drew, MS FM Dillon, SC	95.
WBBC Blackstone, VA WBBF Rochester, NY	90.5	WCAK Catlettsburg, KY WCAL-FM Northfield, MN	92.9 86.3	WCSJ-FM	Columbus, IN Morris, IL	101.5 104.7	WDSD	Dover, DE	94.7
ALDBO. IN MOROCOL	93.3 104.3	WCAO-FM Baltimore, MD	102.7	WCSK KI	ngsport, TN M Celina, OH	90.3 96.7	WDST	Woodstock, NY	100.1
WBBY Westerville, OH WBCE Belleville, IL	103.9 89.7	WCAU-FM Philadelphia, F WCAV Brockton, MA	97.7	WCSO Si	gnal Mountain, TN entral Square, NY	91.5 89.3	WDSY	Pittsburgh, PA Dututh, MN	107.9 103.3
WBCI-FM Williamsburg, VA	101.1 96.5	WCBC Memphis, TN	92.1 91.1	WCSR-FA	a Hillsdale, Mi	92.1	WDTR	Detroit, MI Havanna, IL	90.9
WBCL Ft. Wayne, IN	90.3	WCBE Columbus, OH WCBK-FM Martinsvulle, II	90.5 N 102.3	WCSU-F	Berkley Spring, V Wilbertorce, OH	86.9	WDUQ	Pittsburgh, PA Bradenton, FL	90.5
WBCO-FM Bucyrus, OH	92.7	WCBL-FM Benton, KY WCBN Ann Arbor, MI	102.3 89.5	WCTD-F	A Crossville, TN A Federalsburg, Mi	99.3	WDUX	-FM Waupaca, WI	92.
	98.1 107.9	WCBR-FM Richmond, KY WCBS-FM New York, NY		WCTL U	nion City, PA M Eaton, OH	106.3 92.9	WDVE	-FM Green Bay, WI Pittsburgh, PA	96. 102.
WBDG Indianapolis, IN	90.9	WCBU Peorla, IL	89.9	WCTO B	rentwood, NY A Minneapolis-St. F	94.3 Paul	WDW	FM Vineland, NJ D-FM Dawson, GA	92. 92.
WBDJ-FM Brazil, IN	97.7 106.3	WCBY-FM Cheboygan, M	104.9 II 105.1		M Corbin, KY	N 100.3 107.1	WDW	Auburn, NY St. George, SC	88. 107.
WBEA Elyria, OH	107.3	WCCA McComb, MS WCCC-FM Hartford, CT	94.1 106.9	WCTX P	almyra, PA	92.1 97.7	WDWS	-FM Champaign, IL -FM Lawrenceburg,	97.
WBEK Cherry Hill Twp., NJ	88.1	WCCE Bules Creek, NC WCCH Holyoke, MA	90.1 89.5	WCUC-F	orwich, CT M Clarion, PA	91.7	WDXL	-FM Lexington, TN	96. 92.
WBEN-FM Buffalo, NY WBES Charleston, WV	102.5 96.1	WCCI Savannah, IL WCCK Erie, PA	100.1 103.7	WCUL C	ulpepper. VA ifton, GA	103.1 100.3	WDYN	Chester, VA Chattanooga, TN	89.
WBEX-FM Chillicothe, OH	98.7 93.3	WCCM-FM Lawrence, MA	A 93.7	WCUW V	Worcester, MA M Grand Rapids, W	91.3	WDZC	Shallotte, NC Decatur, IL	93. 95.
WBEZ Chicago, IL WBFH Bloomfleid Hills, MI	91.5 88.1	WCCO-FM Minneapolis,	MN 102.9	WCVH F	lemington, NJ efferson, OH	90.5 90.9	WEAA	-FM Flint, MI Baltimore, MN	92. 88.
WBFM Seneca, SC WBFO Buffalo, NY	96.7 88.7	WCCQ Crest Hill, IL WCCS Central city, PA	98.3 101.7	WCVM P	Middlebury, VT	100.9	WEAD	Winchendon, MA -FM Savannah, GA	97 93
WBGD Bricktown, NJ	99.1 90.9	WCCW-FM Traverse City WCCX Waukesha, WI	104.5	WCVT T	Gahanna, OH owson, MD	89.7	WEAT	-FM West Palm Bear	
WBGM-FM Tallahassee, FL WBGO Newark, NJ	88.3	WCDB Albany, NY WCDE Elkins, WV	90.9 90.3	WCVV C	laples-Ft. Meyers, F Coventry, RI	91.5	WEAV	-FM Plattsburg, NY	99
WBGR Paris, KY WBGU Bowling Green, OH	96.7 88.1	WCDL-FM Carbondale, F WCEA-FM Immokalee, F	A 94.3	WCWC-I	FM Ripon, WI Stockbridge, MA	95.9 91.3	WEAZ	Angola, IN Philadelphia, PA	101
WBGW Bangor, ME WBGY-FM Tullahoma, TN	97.1 93.3	WCEB Coming, NY	91.9	WCWM	Williamsburg, VA Brookville, NY	89.1 88.1	WEBI	Olean, NY Camilla, GA	95 105
WBHI Chicago, IL WBHM Burmingham, AL	88.5 90.3	WCEH-FM Hawkinsville,	102.1 GA 103.9	WCWS	Wooster, OH	91.9 92.1	WEBN	Cincinnati, OH Harrisburg, IL	102 99
WBHR Bellair, OH	88.7 91.1	WCEN-FM Mt. Pleasant, WCEW Charleston, SC	MI 94.3 90.9	WCXL F	EM Centerville, OH Lettering, OH	88.7	WECI	Richmond, IN Elkhorn, City, KY	91 103
WBHS Brunswick, ME WBIE Marietta, GA	101.5	WCER-FM Charlotte, MI WCEZ Jupiter, FL	92.7 96.7	WCYJ-F	Chicago <mark>, IL</mark> M Waynesburg, PA	88.7 88.7	WEC	A Claremont, NH	100
WBIF Bedford, IN WBIM-FM Bridgewater, MA	105.5 91.5	WCFM Williamstown, MA	91.9	WCYN-I	FM Cythiana, KY Detroit, MI	102.3 95.5	WEC	Geneva, NY JWillimantic, CT	90
WBIP-FM Booneville, MS WBIV Wethersfield Township,	99.3	WCFR-FM Springfield, V WCFW Chippewa Falls.	WI 105.5	WDAC	Lancaster, PA Dayton, OH	94.5 107.7	WEC	W Elmira, NY A-FM Grove City, PA	9!
WBIZ Eau Claire, WI	107.7 100.7	WCHC Worchester, MA WCHK-FM Canton, GA	88.1 105.5	WDAQ	Danbury, CT FM Darlington, SC	98.3 105.5	WED	M Indianapolis, IN R Miami, FL	91
WBJB Lincroft, NJ	90.5 91.5	WCHN-FM Norwich, NY WCHO-FM Washington	93.9 Court	WDAS-I	M Philadelphia, P	A 105.3	WEF	Springfield, OH Taylorville, IL	10
WBJC Baltimore, MD WBJW Orlando, FL	105.1	WCHQ-FM Camuy, PR	House, OH 102.9	WDAX-I	Davidson, NC FM McRae, GA	89.9 95.3	WEE	H Luray, VA	10
WBJZ Olean, NY WBKE-FM North Manchester,	100.9 IN 89.5	WCHR Trenton, NJ	94.5	WDAY-	FM Fargo, ND DuBols, PA	93.7 107.3	WEE.	-FM Boston, MA J Port Charlotte, FL	10
WBKF MacClenny, FL WBKR Owensboro, KY	92.1	WCHW-FM Bay City, MI WCIB Falmouth, MA	101.9	WDBI-	FM Tawas City, Mi Blackwood, NJ	101.7 91.5	WEE	M Pendleton, IN P-FM Pittsburgh, PA	9 10
WBKT Brockport, NY WBKV-FM West Bend, WI	90.5 92.5	WCIE-FM Lakeland, FL WCIF Melbourne, FL	91.3 106.3	WDBL-	FM Springfield, TN		WEE	R-FM Warrenton, VA Z Heldelberg, MS	10
WBKW Beckley, WV	99.5 91.3	WCIG Mullings, SC WCII-FM Washington, I/	107.1 95.3	WDBO-	Medina, OH FM Orlando, FL	92.3	WEF.	A Waukegan, IL G Winchester, VA	10
WBKY Lexington, KY WBKZ Gien Burnie, MD	95.9	WCIL-FM Carbondale, I WCIR-FM Brckley, WV		WDBQ	FM Dubuque, IA Springfield, IL	105.3 103.7	WEF	M Chicago, IL	9
WBLD Orchard Lake, MI WBLI Patchogue, NY	89.3 106.1	WCKO Pompano Beach	, FL 102.7	WDBS	Durham, NC Duxbury, MA	107.1 91.7	WEG	T Champaign, IL L-FM Auburn, AL	9
WBLK-FM Depew, NY WBLM Lewiston-Auburn, ME	93.7	WCKQ-FM Campbellsvi WCKR Hornell, NY	92.1	WDCB	Glen Ellyn, IL	90.9 89.5	WEH	B Grand Rapids, MI H-FM Elmira, NY	8
	92.1 107.5	WCKS Cocoa Beach, FI WCKW La Place, LA	101.1 92.3	WDCE	FM Sanford, NC Richmond, VA	90.1	WEI	C-FM Charleston, IL	10
WBLR-FM Batesburg, SC	IMI.3		107.1	WDCG	Durham, NC	105.1 88.1		Phenix City, AL	10
WBLR-FM Batesburg, SC WBLS New York, NY WBLX Mobile, AL	92.9	WCLA-FM Claxton, GA		MDC1	Lorton, VA				
WBLR-FM Batesburg, SC WBLS New York, NY WBLX Mobile, AL WBLY-FM springfield, OH WBMI West Branch, MI	92.9 102.9 105.5	WCLD-FM Cleveland, N WCLG-FM Morgantown	103.9 WV 100.1	WDCR	Lorton, VA -FM Hanover, NH Portland, MO	99.3 97.9	WEJ	Y Monroe, MI U-FM Richmond, K)	/ 8
WBLR-FM Batesburg, SC WBLS New York, NY WBLX Moblie, AL WBLY-FM springfield, OH	92.9 102.9	WCLD-FM Cleveland, N	103.9 WV 100.1	WDCR WDCS WDCU	Lorton, VA -FM Hanover, NH -Portland, MO -Washington, DC -FM Carlisle, PA	99.3	WEJ WEK WEK	y Monroe, MI	7 8 9 10

	U.S.	FM STATIONS BY	Y CALL LETTERS
Call Location MHz	Call Location MHz	Call Location MHz	Call Location MHz
WELF Presque Isle, ME 101.7	WFMU East Orange, NJ 91.1	Wash a	
WELL-FM Marshall, MI 104.9 WELP-FM Easley, SC 103.9	WFMV-FM Blairstown, NJ 106.3	WGSU Geneseo, NY 89.3 WGSX Bayamon, PR 94.7	WHUG Jamestown, NY 101.7 WHUR Washington, DC 96.3
WELR-FM Roanoke, AL 95.3	WFMU East Orange, NJ 91.1 WFMX Statesville, NC 105.7	WGTB-FM Washington, DC 90.1	WHUS-FM Storrs, CT 91.7
WEMD-FM Easton, MD 96.7	WFMZ Allentown, PA 100.7 WFNE Forsyth, GA 97.1	WGTD Kenosha, WI 91.1	WHWR-FM Buttend VT
WEMI Neenah-Menasha WI 1001	WFNN Escanaba MI 104.7	WGTG Germantown TN 04.2	WHWC Collex, WI 88.3 WHWE Howe, IN 89.7
WEMM Huntington, WV 107.9 WEMU Ypsilanti, MI 88.1	WFOB-FM Fostoria, OH 92.1	WGTH Richlands, VA 105.5 WGTS-FM Takoma Park, MD 91.9	WHWL Marquette, MI 95.7 WHYD-FM Columbus, GA 107.3
WENN-FM Birmingham, AL 107.7 WEOS-FM Geneva, NY 89.7	WFOG Suffolk-Norfolk, VA 92.9	WGUC Cincinnali, OH 90.9 WGUD Pasagoula, MS 106.3	WHYN-FM Springfield MA
WEPR Greenville, SC 97.5	WFUS Chesapeake VA on s	WGUF-FM Gulfport, MS 96.7 WGUL-FM New Port Richey, FL	WHYP-FM North East, PA 100.9
WEOR Goldsboro, NC 96.9	WFOX Gainesville, GA 97.1	WGUS-FM Augusta GA 105.5	WIAA Interiochen, MI 88.3
WERB Berilin, CT 89.9	WFPK Louisville, KY 91.9	WGUY-FM Brewer, ME 100.9 WGVE Gary, IN 88.7	WIAI Danville, IL 99.1
WERH-FM Hamilton, AL 92.1 WERI-FM Westerly, RI 103.7	WFPR-FM Hammond LA 107.1	WGVL Gainesville, FL 105.5 WGVO Greenville, OH 91.7	WIAL Eau Claire, WI 94.1 WIAN Indianapolis, IN 90.1
WERL-FM Eagle River, WI 94.3	WFRD Hanover, NH 99.3	WGWG Boiling Springs, NC 88.3	WIBA-FM Madison, WI 101.5 WIBF-FM Jenkintown, PA 103.9
WERN Madison, WI 88.7	WFRI Auburn, AL 97.7 WFRN Elkhart, IN 104.7	WGXM Dayton, OH 88.1	WIBI Cartinville, IL 91.1 WIBM-FM Jackson, MI 94.1
WERT-FM Van Wert, OH 98.9	WFRO-FM Fremont, OH 99.1 WFRX-FM W. Frankfurt, IL 97.7	WGYL Vero Beach, FL 93.5 WHAB Acton, MA 89.1	WIBS Charlotte Amalie VI 94.9
WERV Beaufort, SC 89.9 WESA-FM Charlerol, PA 98.3	WFSI Annapolis MD 1079	WHAI-FM Greenfield, MA 98.3 WHAJ Bluefield, WV 104.5	WIBW-FM Topeka, KS 97.3 WIBZ Parkersburg, WV 99.3
WESC-FM Greenville, SC 92.5 WESD Schofield, WI 89.1	WFSS Fayetteville, NC 88.1	WHAY Aberdeen, MS 105.5	WICB Ithaca, NY WICN Worcester, MA
WESE Baldwyn, MS 95.9 WESN Bloomington II 88.1	WFSU-FM Tallahassee, FL 91.5 WFTA Fulton, MS 101.7	WHBC-FM Canton, OH 94.1	WICO-FM Salisbury, MD 94.3 WICR Indianapolis, IN 98.7
WESP-FM Cambridge, MD 106.3 WESR-FM Onley-Onancock,	WFTM-FM Maysville, KY 95.9	WHBS Holiday, FL 106.3 WHCE Highland Springs, VA 91.1	WIDD-FM Elizabethton, TN 99.3 WIDE-FM Biddeford, ME 94.3
WESS East Strougsberg, PA 90.3	WFTW-FM Ft. Walton Beach, FL99.3	WHCJ Metter, GA 104.9 WHCJ Savannah, GA 88.5	WIDL Caro, MI 104.9 WIDR Kalamazoc MI 80.1
WESU Middletown, CT 96.1	WFUL-FM Fulton, KY 90.7	WHCL-FM Clinton, NY 88.7 WHCN Hartford, CT 105.9	WIFF-FM Auburn, IN 105.5
WETA-FM Washington, DC 90.9 WETD Alfred, NY 91.3	WFUZ Ocala FI	WHCU-FM Ithaca, NY 97.3 WHDG Havre De Grace MD 103.7	WIFI Philadelphia, PA 92.5 WIFO-FM Jesup, GA 105.5 WIGM-FM Medicard WI
WETL South Bend, IN 91.9	WFVA-FM Fredericksburg, VA 101.5 WFXE Columbus, GA 104.9	WHEB-FM Portamouth, NH 100.3 WHEI Tiffin, OH	WIGN-FM Medford, WI 99.3 WIGS-FM Gouverneur, NY 92.7
WETS Johnson City, TN 89.5	WFXZ Buftalo, NY 92.9 WFYC-FM Alma, MI 104.9	WHER Hattlesburg, MS 103.7	WIGY Bath, ME 105.9 WIHN Normal, IL 96.7
WEVD-FM New York, NY 97.9 WEVE-FMEveleth, MN 100.1	WFYN-FM Key West, FL 92.5 WFYR Chicago, IL 103.6	WHEZ Huntington, WV 103.3 WHFB-FM Benton Harbor, MI 99.9	WIHS Middletown, CT 104.9
WEVR-FM River Falls, WI 106.3	WGAE Girard, PA	WHFD Archhold OH	WIIS Key West, FL 107.1 WIKI Carrollton, KY 100.1
WEWZ Ft. Lauderdale, FL 106.7 WEXA Eupora. MS 101.7	WGAG-FM Orlando, FL 89.3 WGAN-FM Portland MF 102.9	WHFM Flossmoor, IL 88.5 WHFM Rochester, NY 98.9	WIKU Pikesville, TN 91.3 WIKY Evansville, IN 104.1
WEXM-FM Exmore, VA 107.5 WEXP Gadsden, AL 01.5	WGAO Franklin, MA 91.3 WGAT-FM Gate City, VA 104.9	WHFS Dearborn, MI 89.3 WHFS Bethesda, MD 102.3	WIKZ Chambersburg, PA 95.1
WEZB New Orleans, LA 97.1 WEZC Charlotte, NC 104.7	WGAY-FM Washington DC 006	WHGC Bennington, VT 94.3	WIL-FM St. Louis, MO 92.3 WILE-FM Cambridge, OH 96.7
WEZF Burlington, VT 92.9 WEZG N. Syracuse, NY 100.9	WGBH-FM Cambridge, MA 89.7 WGBI-FM Scranton, PA 101.3	WHHB Holliston, MA 91.5 WHHI Highland, WI 91.3	WILL-FM Urbana, IL 90.9
WEZI Memphis, TN 105.9 WEZK Knoxville, TN 97.5	WGBK Harrisonburg, VA 104.3	WHHJ Dix Hills, NY 88.9 WHHO-FM Hornell NY 105.2	WILQ-FM Williamsport PA 105.1
WEZL Charleston, SC 103.5	WGBP-FM Green Bay, WI 90.1 WGBQ Galesburg, IL 92.7	WHMR Hilton Head, SC 106.3 WHMS Havertown PA 89.3	WILS-FM Lansing, MI 101.7 WIMA-FM Lima, OH 102.1
WEZO Rochester, NY 101.3 WEZR Manassas, VA 106.7	WGCI Chicago, IL 107.5	WHHY-FM Montgomery, AL 101.9 WHIA Dawson, GA 92.1	WIMZ Knoxville, TN 103.5
WEZV Ft. Wayne, IN 101.7 WEZW Waynetosa WI 103.7	WGCL Cleveland, IH 98.5 WGCR-FM Wellsboro, PA 97.7	WHIO-FM Dayton, OH 99.1	WINK-FM Ft. Myers, FL 96.9 WIOA Mayaquez, PR 97.5
WEZX Scarnton, PA 107.1	WGCS Goshen, IN 90.1 WGCW Port, St. Joe, FL 93.5	WHIZ-PM Zanesville, OH 102.5	WIOD San Juan, PR 99.9 WIOC Ponce, PR 105.1
WFAA-FM Dallas, TX 97.9	WGEA-FM Geneva At 025	WHJT Clinion, MS 93.5	WIOF Waterbury-Hartford, CT 104.1 WIOG Saginaw, MI 106.3
WFAH-FM Alllance, OH 92.5	WGEC Springfield, GA 103.9 WGEM-FM Quincy, IL 105.1	WHKC Henderson, KY 103.1	WIOK Hempstead, NY 98.3 WIOQ Philadelphia, PA 102.1
WFAR-FM Sharpsville PA 91.1	WGEO-FM Beaverton, MI 97.7 WGER-FM Bay City, MI 102.5	WHKW Fayelte, AL 98.1	WIOT Toledo, OH 104.7 WIOV Ephrata, PA 105.1
WFAU-FM Augusta, ME 101.3 WFAW-FM Ft. Atkinson, WI 107.3	WGET-FM Gettysburg, PA 107.7 WGEV Beaver Fails, PA 99.3	WHI A Holmen WI	WIOZ Southern Pines, NC 107.1 WIPE Americus, GA 94.3
WFBC-FM Greenville, SC 93.7 WFBE Flint, MI 95.1	WGFG-FM Lake City SC 1001	WHLB-FM Virginia, MN 107.1	WIPR-FM San Juan, PR 91.3 WIPU Fort Wayne, IN 89.1
WPBQ Indianapolis IN 94.7	WGFM Schenectady, NY 98.5 WGFR Glen Falls, NY 91.9	WHLY-FM Centerville, TN 96.7 WHLT-FM Huntington, IN 103.1	WIQH Concord MA 102.9
WFCB Chillicothe, OH 94.3 WFCI Franklin, IN 89.3	WGFS Greensboro, NC 90.7	WHMA-FM Anniston, AL 100.5	WIQO-FM Covington, VA 100.9 WIRB-FM Enterprise, AL 96.9
WFCJ Miamisburg, OH 93.7 WFCM Orangeburg, SC 91.9	WGGL-FM Houghton, MI 91.1 WGGN Castalia, OH 97.7	WHME South Bend, IN 103.1	WIRD-FM Lake Placid, NY 95.3 WIRK-FM West Palm Beach, FL
WFCS New Britain, CT 93.9	WGGO Buford, GA 102.3 WGGO Waupin, WI 99.3	WHMI-FM Sauk Rapids, MN 101.7 WHMI-FM Howell, MI 93.5	WIRQ Rochester, NY 90.9
WFDD-FM Winston-Salem, NC 88.5 WFDR-FM Manchester, GA 92.2	WGH-FM Newport News VA 973	WHMT-FM Howell, MI 93.5 WHMP-FM Northampton MA 99.3	WIRX St. Joseph, MI 107.1 WISM-FM Madison, WI 98.1
WFDU Teaneck, NJ 89.1	WGIS Glen Ellyn, IL 88.5 WGIL-FM Galesburg II 94.9	WHMT-FM Howell MI 935	WISS-FM Bertin, WI 102.3 WISU Terre Haute, IN 89.7
WFEM Eliwood, City, PA 92.1 WFFF-FM Columbia, MS 96.7	WGIR-FM Manchester, NH 101.1	WHNN Bay City, MI 96.1 WHNR McMinnville, TN 103.9	WITE-FM Salem, WV 91.1 WITC Cazenovia, NV 90.9
WFFV Front Royal, VA 96.9	WGLB-FM Port Washington,	WHOD-FM Jackson, AL 104.9 WHOM Mount Washington, NH 94.9	WITF-FM Hershey, PA 89.5 WITL-FM Lansing, MI 100.7
WFFX Grand Rapids, MI 101.3 WFGH Fort Gay, WV 895	WGLC-FM Mendota, IL 100.9 WGLD-FM High Point, NC 100.3	WHOP-FM Honkingville KV 96.5	WITO Ironton, OH 107.1
WFGM Fairmont, WV 97.9 WFHC-FM Henderson, TN 91.5	WGLO Pekin, IL 95.3	WHOV Hampton, ME 100.1	WITT Tuscola, IL 93.5 WITW Cadillac, MI 96.7
WFIG-FM Bristoi, TN 96.9 WFIG-FM Sumter, SC 101.3	WGLS-FM Glassboro, NM 89.7 WGLT Normal, IL 89.1 WGLU Johnstown PA	WHP-FM Harrisburg PA 97.5	WITZ-FM Jasper, IN 104.7
WFIT Melbourne, FL 91.5 WFIU Bloomington, IN 103.7	WGLU Johnstown, PA 92.1 WGLY Goulds, FL 98.3	WHPC Garden City NY 90.2	WIUJ St. Thomas, VI 88.0
WFIW-FM Fairfield, IL 104.9 WFIZ Conneaut, OH 105.5	WGMB Georgetown, SC 97.7 WGMC Greece, NY 90.1	WHPK-FM Chicago II	WIUP-FM Indiana, PA 90.1 WIUV Castleton VT 91.2
WFJA Sanford, NC 105.5 WFLA-FM Tampa, FL 92.3	WGMD Rehoboth Beach, DE 92.7 WGMK Donalsonville, GA 106.3	WHPO Hoopeston, IL 100.9 WHPR Highland Park, MI 88.1	WIVA-FM Aguadilla, PR 100.3 WIVK-FM Knoxville, TN 107.7
WFLC Canandalgua, NY 93.5 WFLM Crown Point IN 103.9	WGMM Gladwin, MI 103.1 WGMO Shell Lake, WI 95.3	WHPW Huntington, WV 89.3 WHRB-FM Cambridge MA 95.3	WIUY-FM Jacksonville, FL 102.9
WFLN-FM Philadelphia, PA 95.7 WFLO-FM Farmville, VA 95.7	WGMR Tyrone, PA 101.1 WGMS-FM Washington, DC 103.5	WHRK Memphis, TN 97.1	WIXL-FM Newton, NJ 107.1
WFLR-FM Dundee, NY 95.9 WFLS-FM Fredericksburg VA 93.3	WGMZ Flint, MI 107.9 WGNA Albany, NY 107.7	WHRM Wausau, WI 91.9 WHRS Boynton Beach, FI 90.7	WIXN-FM Dixon, IL 101.7 WIXO McComb, MS 105.7
WELV-FM Monticello, KY 101.7	WGNR Grand Rapids, MI 88.9 WGOH-FM Grayson, KY 102.3	WHO? Bingnampton, NY 90.5	WIXN-FM Dixon, IL 101.7 WIXQ Millersville PA 91.7
WFLA-FM Tampa, FL 93.3	WGOJ Conneaut OH 105.5 WGOL Lynchburg VA 98.3	WHSA Brule, WI 89.9	WIXV Front Royal, VA 95.3 WIXX Green Bay WI 101.1
WFLW-FM Monticello, KY 101.7	WGOS-FM Mlami, FL 93.9 WGOT Newton, MS 106.3	WHSB Alpena, MI 107.7 WHSD Hinsdale, IL 88.5	WIYO-FM Palatka, FL 99,9 WIYO Ebensburg, PA 99,1
WEMA Rocky Mount, NC 100.7	WGDV-FM Valdosta, GA 92.9 WGPC-FM Albany, GA 104.5	WHSK Kokomo, IN 89.1	WIZD Ft. Pierce, FL 98.7 WIZM-FM La Cross, WI 93.3
WFMB Springfield, IL 104.5 WFME Newark, NJ 94.7	WGPR Detroit, Mi 107.5 WGRD-FM Grand Rapids MI 97.9	WHSN Bangor, ME WHSP Fairhope, AL 92.1	WIZU-FM Franklin, TN 100.1
WFMG Grand Haven, MI 92.1	WGRF Pleasantville, NJ 99.3 WGRG Greensborg, GA 103.9	WHSR-FM Winchester, MA 91.9 WHSS Hamilton, OH	WIZY-FM Gordon, GA 107.1 WJAX-FM Johnstown, PA 95.5
WFML Washington, IN 106.5 WFMN Newburgh, NY 103.1	WGRK-FM Greensburg, KY 103.1 WGRN Greenville, IL 89.3	WHSY-FM Hattlesburg, MS 104.5 WHTB Talladega, Al	WJAD Bainbridge, GA 97.3 WJAI Eaton, OH 92.9
WFMO Lebanon, TN 91.3 WFMP Fitchburg, MA 104.5	WGRP-FM Greenville, PA 107.1	WHTG-FM Eatontown, NJ 106.3	WJAQ Marlanna, FL 100.9 WJAT-FM Swainshorn, GA 98.3
WFMS Indianapolis, IN 95.5	WGRR-FM Greenville, PA 107.1 WGRT Danville, IN 107.1	WHUB-FM Cookevills, TN 98.3 WHUC-FM Hudson, NY 93.5	WJBB-FM Haleveille Al 95.1
WFM1-FM Chicago, HL 98.7	107.1	WHUD Peekskill, NY 100.7	WJBD-FM Salem, IL 100.1 WJBI Clarksdale, MS 101.7
MUNICATIONS WORLD 1981			

U.S. FM STATION	S BY CALL LETTE	.113	
Call Location MHz	Call Location MHz	Call Location MHz	Call Location MHz
		WKZQ Myrtle Beach, SC 101.7	WLVR-FM Bethlehem, PA 91.3
WJBL-FM Holland, Mi 94.5 WJBM-FM Jerseyville, IL 104.1	WKFR-FM Battle Creek, MI 103.3 WKGC-FM Panama City, FL 90.7	WKZW Peoria, IL 93.1	WLVS Germantown, TN 94.3
WJBQ-FM Scarborough, ME 106.3	WKGI New Martinsville, WV 103.9	WKZY-FM Escanaba, MI 97.1	WLVY Elmira, NY 94.3
WJBR-FM Wilmington, DE 99.5	WKGO Cumberland, MD 106.1	WKZZ Lynchburg, VA 100.1	
WJBW-FM Hampton, SC 103.1	WKGW Utica, NY 104.3	WLAK Chicago, IL 93.9	WLWI Montgomery, AL 92.3
	WKHR Bainbridge, OH 88.3	WLAN-FM Lancaster, PA 96.9	WLXN Lexington, NC 94.1
WJCC Angola, IN 100.1	WKHI Ocean City, MD 99.9	WLAP-FM Lexington, KY 94.5	WLXR La Crosse, WI 104.9
WJCK Rensselaer, IN 97.7		WLAT-FM Conway, SC 104.1	WLYF Miami, FL 101.5
WJCL-FM Savannah, GA 96.5 WJCR Washington, PA 88.3	WKHQ Charlevolx, MI 105.9 WKHS Worton, MD 90.5	WLAV-FM Grand Rapids, MI 96.9	WLYK Milford—
WJCT-FM Jacksonville, FL 89.9	WKIG-FM Glenville, GA 106.3 WKIO Urbana, IL 103.9	WLAX Streator, IL 97.7 WLAY-FM Muscle Shoals, AL 105.5	WLYN Lynn. MA 101.7
WJDR Prentiss, MS 98.3	WKIQ Bowling Green, OH 93.5	WLAZ Eufaula, AL 92.7 WLBC-FM Muncle, IN 104.1	WLYQ Norwalk, CT 95.9 WLYT Cleveland Heights, OH 92.3
WJDQ Meridian, MS 101.3 WJDZ Levittown, PR 88.9	WKIT Hendersonville, NC 102.5	WLBE-FM Leesburg, FL 106.7	WLYX Memphis, TN 89.3 WLZR Lawrence, KS 105.9
WJEE Jacksonville, FM 107.3	WKJA Belhaven, NC 92.1	WLAD-FM Danbury, CT 98.3	WMAD Sun Prarie, WI 92.1
WJEL Indianapolis, IN 89.1	WKJB-FM Mayaquez, PR 99.1		WMAJ-FM State College, PA 103.1
WJEQ Macomb, IL 103.1	WKJC Tawas City, MI 105.7	WLAN-FM Lancaster, PA 96.9	WMAL-FM Washington, DC 107.3
WJER-FM Dover, OH 101.7	WKJF Cadillac, MI 92.9	WLAR-FM Lexington, KY 94.5	
WJEZ Chicago, IL 104.3	WKJJ-FM Louisville, KY 99.7	WLAV-FM Conway, SC 104.1 WLAV-FM Grand Rapids, MI	WMAR-FM Baltimore, MD 106.5 WMAS-FM Springfield, MA 94.7
WJFD-FM New Bedford-	WKJR-FM Muskegon Heights, MI	WLBH-FM Mattoon, IL 96.9	WMAZ-FM Macon, GA 99.1
Fall River, MA 97.3	101.7	WLBJ-FM Bowling Green, KY 96.7	WMBG Williamsburg, VA 96.5
WJFM Grand Rapids, MI 93.7 WJFR Jackson, MS 96.3	WKKC Chicago, IL 89.3 WKKD-FM Aurora, IL 95.9	WLBS Mt. Clemens, MI 102.7	WMBI-FM Chicago, IL 90.1
WJGA Jackson, GA 92.1	WKKI Celina, OH 94.3 WKKL West Barnstable, MA 91.1	WLCA Godfrey, IL 89.9 WLCC Luray, VA 106.3	WMBM-FM Petoskey, MI 96.7
WJGF Romney, WB 91.5	WKKM Harrison, MI 92.1	WLCF Southport, NC 107.1	WMBR Cambridge, MA 88.1
WJGS Houghton Lake, MI 98:5	WKKY Moss Point, MS 104.9	WLCH Lebanon, TN 88.7	WMBW Chattanooga, TN 88.9
WJHD Portsmouth, RI 90.7 WJHR Jackson, TN 103.1	WKKZ Dublin, GA 92.7	WLCK-FM Scottsville, KY 99.3 WLCL-FM Lowell, IN 107.1	WMC-FM Memphis, TN 99.7 WMCB-FM Michigan City, IN 95.9
WJHU Baltimore, MD 88.3	WKLA-FM Ludington, MI 106.3	WLCR Lawrence Twp., NJ 89.7	WMCC Etowah, TN 103.3
WJIB-FM Boston, MS 96.9	WKLC-FM St. Albans, WV 105.1		WMCD Statesboro, GA 100.1
WJIQ Pensacola, FL 100.7	WKLD Oneonta, AL 97.7 WKLK-FM Cloquet, MN 100.9	WLDM Detroit, MI 95.9 WLDR Traverse City, MI 101.9	WMCI Brockton, MA 90.5
WJIV Cherry Valley, NY 101.9	WKLN Cullman, AL 92.1	WLEC-FM Sandusky, OH 102.7	WMCM Rockland, ME 93.5
WJIZ Albany, GA 96.3		WLEN Adrian, MI 103.9	WMCN St. Paul, MN 91.7
WJJB Hyde Park, NY 97.7	WKLR Toledo, OH 99.9	WLEQ Immokallee, FL 95.9	WMCO New Concord, OH 90.7
WJJE Lafayette, IN 91.9		WLET-FM Toccoa, GA 106.1	WMCR-FM Oneida, NY 106.3
WJJM-FM Lewisburg, TN 94.3	WKLS-FM Atlanta, GA 96.1	WLEC-FM Sandusky, OH 102.7	WMCU Miami, FL 89.7
WJJW North Adams, MA 91.1	WKLT Kalkaska, MI 97.7		WMCX W. Long Branch, NJ 88.1
WJJY Brainerd, MN 106.7	WKLX Plymouth, NC 95.5 WKME Gardiner, ME 104.3	WLET-FM Toccoa, GA 106.1 WLEW-FM Bad Axe, Mi 92.1	WMDC-FM Hazelhurst, MS 100.9
WJKL Elgin, IL 94.3	WKMO Hodgenville-Elizabethtown KY 106.3	WLEZ Elmira, NY 92.7	WMDD-FM Fajardo, PR 94.7
WJLC-FM South Boston, VA 97.5		WLFC Findlay, OH 88.3	WMDH New Castle, IN 102.5
WJLE-FM Smithville, TN 101.7 WJLK-FM Asbury Park, NJ 94.3	WKMS-FM Murray, KY 91.3	WLFE St. Albans, VT 102.3	WMDI McKean, PA 102.3 WMDM-FM Lexington Park, MD 97.7
WJIM Salem, VA 93.5	WKMX Enterprise, AL 106.7	WLFQ Crawfordsville, IN 106.9	WMEA Portland, ME 90.1
WJLN Birmingham, AL 104.7	WKNX Keene, NH 89.1		WMEB-FM Orono, ME 91.9
WJMA Orange, VA 96.1	WKNC-FM Ralegh, NC 88.1 WKNJ Union, NJ 90.5	WLGA-FM Valdosta, GA 95.9 WLGN-FM Logan, OH 98.3	WMEE Ft. Wayne, IN 97.3
WJMC-FM Rice Lake, WI 96.3	WKNO-FM Memphis, TN 91.1	WLHI Fort Wayne, IN 88.3	WMEH Bangor. ME 90.9
WJMD Bethesda, MD 94.7	WKNS Kinston, NC 90.5	WLHN Anderson, IN 97.9	WMEM-FM Presque Isle, ME 106.1
WJMF Smithfield, RI 91.5	WKNU Brewton, AL 106.3	WLHQ Enterprise, AL 96.9	WMEQ Menomonie, WI 92.1
WJMI Jackson, MS 99.7		WLHS-FM West Chester, PA 89.9	WMET Chicago, IL 95.5
WJMJ Hartford, CT 88.9	WKNZ Collins, MS 101.7	WLID Vieques, PR 98.9	WMEV-FM Marion, VA 93.9
WJML-FM Petoskey, MI 98.9	WKOA-FM Hopkinsville, KY 100.3		WMEX Clyde, OH 100.9
WJMM Versailles, KY 106.3	WKOC Kankakee, IL 88.3 WKOM Columbia. TN 101.7	WLIF Baltimore, MD 101.9 WLIH-FM New London, WI 93.5	WMEZ Pensacola, FL 94.1
WJMT-FM Merrill, WI 93.5	WKOR-FM Starkville, MS 92.1	WLIL-FM Lenoir City, TN 93.5	WMFC-FM Monroeville, AL: 99.3
WJMU Decatur, IL 89.9		WLIN Jackson, MS 95.5	WMFG-FM Hibbing, MN 106.3
WJNL-FM Johnstown, PA 96.5	WKOV-FM Wellston, OH 96.7	WLIP-FM Kenosha, WI 95.1	WMFO Medford, MA 91.5
WJNO-FM Palm Beach, FL 97.9		WLIU Lincoln Univ, PA 88.7	WMFQ Ocaia, FL 92.7
WJNR Iron Mountain, MI 103.9	WKOZ-FM Kosciusko, MS 105.1	WLIV-FM Livingston, TN 95.9	WMFR-FM High Point, NC 99.5
WJNS Yazoo City, MS 92.1	WKPS New Wilmington, PA 88.9		WMGH Vevay, IN 95.9
WJNZ Greencastle, IN 94.3	WKPT-FM Kingsport, TN 98.5 WKQA Pekin, IL 104.9	WLJE Valparaiso, IN 105.5	WMGK Philadelphia, PA 102.9
WJOJ Picayune, MS 106.3	WKQB Nashville, TN 105.9 WKQD Henderson, KY 92.5	WLJS-FM Jacksonville, AL 91.9 WLJY Marshfield, WI 106.5	WMGM Atlantic City, NJ 103.7
WJOX-FM Jackson, MI 106.1	WKQQ Lexington, KY 98.1	WLKI Angola, IN 100.1	WMGQ New Brunswick, NJ 98.3
WJR-FM Detroit, MI 96.3		WLKL Mattoon, IL 90.3	WMGX Portland, ME 93.1
WJRH Easton, PA 90.5 WJRS Jamestown, KY 104.9	WKOX Chicago, IL 101.1	WLKM-FM Three Rivers, MI 95.9	WMHB Waterville, ME 91.5 WMHC South Hadley, MA 90.7
WJRZ Ship Bottom, NJ 100.1	WKR-FM Holly Springs, MS 92.7 WKRB Brooklyn, NY 90.9	WLKR-FM Norfolk, OH 95.3	WMHE Toledo, OH 92.5
WJSE Cumberland, MD 102.9	WKRG-FM Mobile, AL 99.9 WKRQ Cincinnati, OH 101.9	WLKW-FM Providence, RI 101.5 WLKX-FM Forest Lake, MN 95.9	WMHR Syracuse, NY 102.9
WJSG Athens, TN 101.7	WKRV Vandalla, IL 107.1	WLLI-FM Jollet, IL 96.7	WMHS Morrison, IL 90.7
WJSK Lumberton, NC 102.3		WLLS-FM Hartford-Beaver Dam	WMHT-FM Schnectady, NY 89.1
WJSL Houghton, NY 90.3	WKSA-FM Isabella, PR 101.5	KY 106.3	WMHW-FM Mt. Pleasant, MI 91.5
WJSM-FM Martinsburg, PA 92.7		WLLZ Detroit, MI 98.7	WMIC-FM Sandusky, MI 97.7
WJSN-FM Jackson, KY 97.7	WKSB Williamsport. PA 102:7	WLMC Okeechobee, FL 103.1	WMIK-FM Mittlesboro, KY 92.7
WJSR Birmingham, AL 91.1	WKSI Eldorado, IL 102.3		WMIL Waukesha, WI 106.1
WJSU Jackson, MS 90.7	WKSJ-FM Mobile, AL 94.9 WKSL Greencastle	WLMH Morrow, OH 88.1 WLMJ Jackson, OH 94.7	WMIT Black Mountain, NC 106.9
WJSV Mordstown, NJ 90.5	Waynesboro, PA 94.3	WLMT Wilmington, IL 105.5	WMIV S. Bristol. NY 95.1
WJTT Red Bank, TN 94.3	WKSM Tabor City, NC 104.9	WLNG-FM Sag Harbor, NY 92.1	WMIX-FM Mt. Vernon, IL 94.1
WJUL Lowell, MA 91.5	WKSS Hartford-Meridan, CT 95.7	WLNH-FM Laconta, NH 98.3	WMJC Birmingham, MF 94.7
WJVM Sterling, IL 94.3		WLNK Columbus, MS 90.9	WMJM-FM Cordele, GA 98.3
WJVS Cincinnati, OH 88.3	WKSU Kent. OH 89.9	WLNR Lansing, IL 106.3	WMJQ Rochester, NY 92.5
WJWF Columbus, MS 103.1	WKSW Cleveland, OH 99.5		WMJS Prince Frederick, MD 92.7
WJWK Jamestown, NY 91.5	WKTA McKenzie, TN 106.9 WKTC Tarboro, NC 104.3	WLNX Lincoln, IL 91.1	WMJW Nanticoke, PA 92.1
WJYW Tampa, FL 100.7	WKTG Madisonville, KY 93.9	WLOB-FM Westbrook, ME 100.9	WMJX Miami, FL 96.3
	WKTI Milwaukee, WI 94.5	WLOC-FM Munfordville, KY 102.3	WMKY Morehead, KY 90.3
WJZZ Detroit. MI 105.9	WKTJ-FM Farmington, ME 99.3	WLOI-FM La Porte, IN 96.7	WMLA LeRoy, IL 89.5
WKAD Canton, PA 100.1		WLOL Minneapolis, MN 99.5	WMLD Manati, PR 96.9
WKAI-FM MaComb. IL 100.1	WKTL Struthers, OH 90.7	WLOO Chicago, IL 100.3	WMLN-FM Milton, MA 91.5
WKAJ-FM Saratoga Springs, NY		WLOQ Winter Park, FL 103.1	WMLS-FM Sylacauga, AL 98.3
102.3	WKTM Charleston, SC 102.5	WLOS Asheville, NC 99.9	WMMC N. Andover, MS 90.5
WKAQ-FM San Juan, PR 104.7	WKTN Kenton, OH 95.3		WMMG Bradenburg, KY 93.5
WKAR-FM East Lansing, MI 90.5	WKTR Millinocket, ME 97.7 WKTU New York, NY 92.3	WLOZ WilmIngton, NC 91.3 WLPL-FM Baltimore, MD 92.3	WMMJ Brattleboro, VT 96.7
WKBB West Point, MS 100.9	WKTZ-FM Jacksonville, FL 96.1 WKUB Blacksheer, GA 104.9	WLPO-FM LaSalie, IL 99.3 WLPR Mobile, AL 96.1	WMMR Philadeiphia, PA 93.3
WKBC-FM North Wilkesboro,	WKUE Green Cove Springs, FL 92.7	WLPW Lake Placid, NY 105.5	WMMS Cieveland, OH 100.7
NC 97.3		WLPX Milwaukee, Wi 97.3	WMNA-FM Gretna, VA 103.3
WKBJ-FM Milan, TN 92.3 WKBL-FM Covington, TN 93.5	WKVB Blackshear, GA 104.9	WLQA Cincinnati, OH 98.5	WMNB-FM North Adams, MA 100.1 WMNF Tampa, FL 88.5
WKBN-FM Youngstown, OH 98.9	WKVI-FM Knox, IN 99.3	WLRA Lockport, IL 88.1	WMNJ Madison, NJ 88.9
WKCB-FM Hindman, KY 107.1	WKVM-FM San Jaun, PR 105.7		WMNR Monroe, CT 88.1
WKCC Grayson, KY 91.5	WKVO-FM Havelock, NC 104.9 WKVR-FM Huntingdon, PA 91.7	WLRC-FM Whitehall, MI 95.3 WLRG Roanoke, VA 92.3	WMOA-FM Marletta, OH 94.3
WKCI Hamden-New Haven,	WKVT-FM Brattleboro, VT 96.7	WLRH Huntsvitie, AL 89.3	WMOR-FM Morehead, KY 92.1
CT 101.3		WLRN-FM Miami, FL 91.3	WMOS Bath, ME 91.5
WKCO Gambler, OH 91.9	WKWK-FM Wheeling, WV 97.3	WLRS Louisville, KY 102.3	WMOT Murfreesboro, TN 89.5
WKCO Saginaw, MI 98.1		WLRW Champaign, IL 94.5	WMPG Graham, ME 91.1
WKCR-FM New York, NY 89.9	WKWQ-FM Batesburg, SC 92.1	WLSA Louisa, VA 105.5	WMPH Wilmington, DE 91.7
WKCS Knoxville, TN 91.1	WKWX Savannah, TN 93.5		WMPI Scottsburg, IN 100.9
WKCU-FM Corinth, MS 94.3	WKWZ Syosset, NY 88.5 WKXA-FM Brunswick, ME 98.9	WKSK Lebanon, KY 100.9	WMPL-FM Hancock, MI 93.5
WKDD Akron, OH 96.5	WKXK Pana, IL 100.9 WKXL-FM Concord, NH 102.3	WLSM-FM Louisville, MS 107.1 WLSR Lima, OH 104.9	WMPR Sumter, SC 88.1
WKDE-FM Altavista, VA 105.5 WKDF Nashville, TN 103.3	WKXN Greensville, AL 95.9	WLST Marinette, WI 95.1 WLSU La Crosse, WI 88.9	WMPT-FM South Williamsport PA 99.3
WKDJ Winchester, KY 100.1 WKDN-FM Camden, NJ 106.9	WKXR-FM Exeter, NH 107.1 WKXW-FM Trenton, NJ 101.5	WLSW Scottdale, PA 103.9	WMQT Ishpeming, MI 107.1 WMRA Harrisonburg, VA 91.1
WKDO-FM Liberty, KY 105.5	WKXX Birmingham, AL 106.9 WKYD-FM Andalusia, AL 98.1	WLTE Waycross, GA 102.5	WMRF-FM Lewiston, PA 95.9
WKDU Philadelphia, PA 91.7	WKYN-FM San Juan, PR 99.9 WKYP Waterboro, SC 100.9	WLTL La Grange, IL 88.1 WLTR Columbia, SC 91-3	WMRN-FM Marion, OH 106.9
WKDZ-FM Cadiz, KY 106.3	WKYS Washington, DC 93.9	WLUM-FM Milwaukee, WI 102.1	WMRQ Brookhaven, MS 92.1
WKEE-FM Huntington, WV 100.5		WLUP Chicago, IL 97.9	WMRT Marietta, OH 88.3
WKEI-FM Kewanee, IL 92.1	WKYU-FM Bowling Green, KY 88.9	WLUR Lexington, VA 91.5	WMRY Endicott, NY 105.5
WKES St. Petersburg, FL 101.5	WKYW Frankfort, KY 104.9		WMRY E. St. Louis, IL 101.1
WKET Kettering, OH 89.5	WKYX-FM Paducah, KY 93.3	WLUW Chicago, IL 88.7	WMSB Mississippi State, MS 89.1
WKEU-FM Gdffin, GA 97.7	WKZE-FM Orleans, MA 104.7		WMSC Upper Montciair, NJ 105.5
WKEZ Norfolk, VA 95.7	WKZL Winston—Salem, NC 107.5 WKZM Sarasota, FL 105.5	WLVE Baraboo, WI 94.9 WLVN Tallahassee, FL 94.9	WMSE Milwaukee, WI 91.7
WKFI-FM Wilmington, OH 102.3 WKFM Fulton, NY 104.7	WKZN-FM Zion, IL 96.9	WLVQ Columbus, OH 96.3	WMSH-FM Elizabéthtown PA 106.7
			COMMUNICATIONS WORLD

				O	J. 1 IVI	SIAIR	DIA2 D	I CA		ERS
Call	Location	MHz	Call Location	MHz	Call	Location	MHz	Call.	Location	MHz
WMS	K-FM Morganfield, KY	95.3	WOBM Toms River, NJ	92,7	WPKN	Bridgeport, CT	89.5	WOSM	ayetteville, NC	09.1
WMS	P Harrisburg, PA R-FM Manchester, TN	94.9 99.7	WOBN Westerville, OH WOBR-FM Wanchese, NC	91.5	WPKY-	-FM Princeton, KY	Y 104.9	WQSR S	arasota, FL	98.1 102.5
WMS	S Middletown, PA	91.1	WOCB-FM W. Yarmouth, M.		WPLJ	-FM Greenville, M New York, NY	95.5		orest, MS Jelingsgrove, PA	92.5 88.9
WMS	T-FM Mt. Sterling, KY U Hattlesburg, MS	105.5 91.1	WOCG Huntsville, AL WOCK-FM North Vernon, IN	90.1 106.1	WPLM	-FM Plymouth, M. Nashville, TN	A 99.1	WOTC	wo Rivers, WI	102.3
WMT	-FM Cedar Rapids, IA B Emmitsburg, MD	96.5	WOCN-FM Mlami Beach, FL	94.9	WPLR	New Haven, CT	90.3 99.1	WOTE A	drian, MI unn, NC	95.3 103.1
WMT	F Stowe, VT	89.9 91.5	WOCO Oconto, WI WOCR Olivet, MI	107.1 89.7	WPLS-	FM Greenville, S(Plattsburgh, NY	C 91.5 91.1	WQTQ	fartford, CT /hiteville, NC	88.3
WMT	H Park Ridge, IL L-FM Leitchlield, KY	88.5 104.9	WOEL-FM Elkton, MD WOES Elsle, MI	88.3	WPLZ	Petersburg, VA	99.3	WQTU F	ome, GA	98.1 102.3
WMT	M-FM Moultrie, GA	93.9	WOEZ-FM Milton, PA	91.3 100.9	WPMO	-FM Punxsutawne Pascagoula, MS	ey, PA 105.5 99.1	WOUD I	Inton, IN Iemphis, TN	93.5 104.5
WMU	IA Amherst, MA IB Oxford, OH	91.1 88.5	WOFM Greeneville, TN WOHS-FM Shelby, NC	94.5 96.1	WPNE-	-FM Chilton, WI	89.3	WQUE N	lew Orleans, LA	93.3
WMU	C-FM College Park, MD H Alientown, PA	88.1	WOIV De Ruyter Twp, NY	105.1	WPNM	-FM Plymouth, NI Ottawa, OH	H 100.1 106.3	WQUH I	DeFuniak Springs, I Vinchester, VA	FL 103.1 92.5
WMU	K Kalamazoo, MI	98.7 102.1	WOJO Evanston, IL WOKA-FM Douglas, GA	105.1 106.7	WPNR-	-FM Utica, NY Plainview, NY	90.7 88.5	WQUT J	ohnson City, TN lechanicsburg, PA	101.5
WMU	L Huntington, WV M Marathon, FL	88.1 94.3	WOKD Arcadia, FL WOKF Clearwater-St. Peters	98.3	WPOC	Baltimore, MD	93.1	WQVR S	outhbridge, MA	105.5 100.1
WMU	U-FM Greenville, SC	94.5	F	FL 95.7	WPOL	-FM Pontlac, IL Gaylord, MI	103.1 95.3	WQWK S	State College, PA Muskegon, Mi	96.7 104.5
WMV	Z Detroit, MI A-FM Martinsville, VA	103.5 96.3	WOKH Bardstown, KY WOKI Oak Ridge, TN	96.7 100.3	WPOR-	-FM Portland, ME	101.9	WQXA Y	ork, PA	105.7
WMV	B-FM Millville, NJ G-FM Milledgeville, GA	97.3	WOKM New Albany, MS	103.5	WPPL	FM Holland, OH Blue Ridge, GA	102.3 103.9	MOXE E	renada, MS lizabethtown, KY	100.1 106.3
WMV	O-FM Mt. Vernon, OH	102.3 93.7	WOKN Goldboro, NC WOKQ Dover-Portsmouth, N	102.3 IH 97.5	WPQR-	-FM Uniontown, P Princeton, NJ	PA 98.5 103.3	WQXI-FA	l Symrna, GA Clearwater-St. Peter	94.1
WMW	Q Amsterdam, NY A Glenview, IL	97.7 88.9	WOKU-FM Greensburg, PA WOKZ-FM Alton, IL	107.1	WPRC-	FM Lincoln, IL	100.1			FL 97.9
WMW	C Gardner, MA	91.7	WOLA-FM Carolina, PR	107.7	WPRG	FM Prairie Du Ch Baton Rouge, LA	ilen, WI 94.3 89.1	WQXO-F WQXQ D	M Munsing, Mi aytona Beach, FL	98.3 101.1
WMW	M Salem, MA V Conway, NH	91.7 93.5	WOLC Princess Anne, MD WOLD-FM Marion, VA	102.5 102.3	WPRK	Winter Park, FL -FM San Juan, PR	91.5	WOXR N	ew York, NY	96.3
WMX	M Lake Forest, IL K Elizabeth City, NC-	88.9	WOMC Detroit, MI	104.3	WPRO-	 FM Providence, R 	923	WQXY-F	organton, NC M. Baton Rouge, LA	92.1 100.7
Virg	ginla Beach, VA	93.7	WOMP-FM Beliaire, OH WONA-FM Winona, MS	100.5 96.7	WPRT-	FM Prestonburg, Rock Hill, SC	KY 105.5 88.9	WQYK-F	M St. Petersburg, F M St. Petersburg, F	L 99.5
WMZ	S New Bedford, MA Q Washington, DC	98.1 98.7	WONC Napersville, IL WONO-FM Syracuse, NY	89.1 107.9	WPSA	Paul Smith's, NY	89.1	WQYT B	inghamton, NY	98.1
WNA.	A Greensboro, NC	90.1	WONT Oneonta, NY	103.1	WPSO	ehman, PA Newport Richey, I	89.1 FL 105.5	WQZQ M	loyock, NC ublin, GA	92.1 95.9
WNA	N Demopolis, AL P Indianapolis, IN	106.3 93.1	WONY Oneonta, NY WOOA Goulds, FL	90.9 98.3	WPSR	Evansville, IN Trenton, NJ	90.7	WRAD-FI	M Radford, VA	101.7
WNA:	S New Albany, IN V-FM Annapolis, MD	88.1 99.1	WOOD-FM Grand Rapids, M	1 105.7	WPLehi	man, PA	97.5 89.1	WRAJ-FA	occoa Falls, GA Anna, IL	90.9 92.7
WNA	Z-FM Nashville, TN	88.9	WOOD Statesville, NC WOOF-FM Dothan, AL	96.9 99.7	WPHT	Lancaster, PA Fort Wayne, IN	90.3 95.1	WRAL R	allegh, NC 4 Tappahannock, V	101.5
WNB	-FM Park Falls, WI X-FM Keene, NH	98.3 103.7	WOOR Oxford, MS WOOS-FM Canton, OH	97.5 106.9	WPTM	Roanoke Rapids, FM Cookeyville, T	NC 1023	WRAS A	lanta, GA	88.5
WNB'	Y-FM Newberry, MI E Lancaster, PA	93.5	WOQI Ponce, PR	99.3	WPTW-	FM Pigua, OH	95.7	WRBB B	Princeton, IN	98.1 91.7
WNC	Worthington-Columbus	s, OH	WORB Farmington Hills, MI WORG-FM Orangeburg, SC	90.3 103.9	WPUB-	FM Camden, SC Rensselaer, IN	94.3 90.5	WRBK C	hicago, IL ew Orleans, LA	94.7
WNC	N New York, NY O-FM Ashland, OH	104.3	WORJ-FM Mt. Dora, FL WORK Barre, VT	107.7 107.1	WPUR	Americus, GA	97.7	WRBI Ba	tesville, IN	88.3 103.9
WNC	S Montpelier, VT	106.7	WORM-FM Savannah, TN	101.7	WPVA-I	FM Pulaski, VA FM Petersburg, V	107.1 A 95.3	WRBJ-FA WRBN-FI	ISt. Johns, MI I Warner Robins, (92.1 GA 101.7
WND	Y Springvale, ME . A Huntsville, AL	91.1 95.1	WORO Corozal, PR WORT Madison, WI	92.5 89.7	WPVG	Huntingdon, TN Philadelphia, PA	100.9	WRBR S	outh Bend, IN	103.9
WND	H Napoleon, OH -FM Sullivan, IN	103.1 95.3	WORW Port Huron, MI WORX-FM Madison, IN	91.1	WPXE-F	FM Starke FL	91.6 106.3	WRCC C	iltimore, M.D. ape Coral, FL	95.1 103.9
WND	N-FM Salisbury, NC	91.1	WOSE Port Clinton, OH	96.7 94.5	WPXY	Charleston, SC Rochester, NY	95.1 97.9	WRCH-FI WRCI MI	M New Britain, CT	100.5 93.5
WND	J-FM South Bend, IN Crawfordsville, IN	92.9 106.3	WOSH Oshkosh, WI WOSM Ocean Springs, MS	103.3 103.1	WOAA	Luray, VA	103.9	WRCM J	scksonville, NC	92.1
WNE	C-FM Henniker, NH D-FM Buffalo, NY	91.7	WOSS Ossining, NY	90.3	WUAL	Philippi, NH Cleveland, OH	91.3 104.1	WRCO-F	M Riverhead, NY M Richland Center	105.9
WNE	(-FM Sp:ingfield, MA	94.5 97.5	WOSU-FM Columbus, OH WOTB Middletown, RI	89.7 107.1	WAQW	Hamden, CT Parkersburg, WV	98.7 103.1		ushville, IN	/1 100.9
WNES	S-FM Central City, KY V-FM New York, NY	101.9 102.7	WOTT-FM Watertown, NY WOTW-FM Nashua, NH	97.5 106.3	WQAZ	Cleveland, MS	92.7	WRCS-FR	A Ahoskie, NC	94.3 99.3
WNF	A Dayton, TN	104.9	WOUI Chicago, IL	88.9	WQBE	FB Miami, FL Charleston, WV	107.5 97.5	WRCV M	ttsburgh, PA ercersburg, PA	88.3 92.1
WNG	Lake City, FL C Athens, GA	94.3 95.5	WOUR Utica, NY WOVI Novi, MI	96.9 89.5	WQBK-I	FM Rensselaer, N Rensselaer, NY	Y 103.9 103.9	WRDB-F	Reedsburg, WI	104.9
	S West Palm Beach, FL S Portsmouth, VA	92.1 88.7	WOVO Glasgow, KY WOVV Ft. Pierce, FL	105.5	WQCM	Halfway, MD	96.7	WRDN-FI	hland, OH Durand, WI	89.5 95.5
MNHI	J West Haven, CT	88.7	WOWD Tallahasee, FL	95.5 101.9	WOCS	Burlington, VT Fort Pierce, FL	98.9 88.3	WRDR E	g Harbor, NJ ebradillas, PR	104.9 96.3
	/-FM White River Junction VT	on, 95.7	WOWE Rossville, GA WOWI Nortolk, VA	105.5 102.9	WQCY	Quincy, IL Raleigh, NC	99.5	WREK A	lanta, GA	91.1
WNIC	Dearborn, MI -FM Arecibo, PR	100.3 106.5	WOWN Shawano WI	99.3	I WQDY-F	FM Calais, ME	94.7 92.7	WREO-FA	/ Jenkins, KY / Ashtabula, OH	94.3 97.1
WNIL	-FM Niles, MI	95.3	WOWW Pensacola, FL WOXO Norway, ME	92.7	WOEN	FM Pittsburgh, PA Gadsden, AL	89.3 103.7	WRES Tr	oy, AL ontgomery, AL	105.7 103.3
WNIN	-FM Evan <mark>sville, IN</mark> -FM Glen Falls, NY	88.3 107.1	WOXY Oxford, OH WOYE-FM Mayaquez, PR	97.7 94.1	WOED	Freeland, PA Birmingham, AL	103.1	WRFB St	owe, VT	101.7
WNIR	Kent OH	100.1	WPAA Andover, MA	91.7	WQFL R	Rockford, IL	96.5 100.9	WRFE AC	lanta, GA	105.5 91.1
MNJC	-FM Dekalb, IL -FM Senatolba, MS	89.5 90.1	WPAC-FM Patchougue, NY WPAG-FM Ann Arbor, MI	106.1 107.1		Milwaukee, WI Butler, AL	93.3 93.5	WRFK-FN	Richmond, VA	106.5
	Riviera Beach, FL Newark, OH	94.3 101.7	WPAJ-FM Lancaster, SC WPAP-FM Panama City, FL	107.1 92.5	WQGN-I	FM Groton, CT	105.5	WRFN N	shville, TN	105.1 88.1
WNKF	Falmouth, KY	95.3	WPAT-FM Paterson, NJ	93.1	WOHK	effersonville, IN Ft. Wayne, IN	95.7 97.3	WRFS-FM	anklin, NC Alexander City, A	96.7 L 106.1
WNMI	-FM Indianola, MS B N. Myrtle Beach, SC	105.5 105.5	WPAY-FM Portsmouth, OH WPBC-FM Bangor, ME	104.1 92.9	WQHQ	lve Oak, FL Andalusia, AL	98.1 98.1	WRFT in	llanapotis, IN ver Falis, WI	91.5
WNM	C-FM Traverse City, MI J-FM Marquette, Mi	90.9 90.1	WPBF Middletown, OH WPBH Middleffeld, CT	105.9	WOHS	Oswego, NY Venice, FL	101.7	WRFY-FM	Reading, PA	88.7 102.5
WNN	Canton, NJ	101.7	WPBM Alkens, SC	90.5 95.9	WQID B	iloxi, MS	92.1 93.7	WRGI Na WRGT-FN	ples, FL I Clarksburg, WV	93.5 106.5
	D-FM Wisconsin Delis, W	/I 107.1	WPBX Southampton, NY WPCD Champaign, IL	91.3 88.7	WQIK-FI	M Jacksonville, FL Prattville, AL	L 99.1 95.3	WRHL-FN	Rochelle, IL ninelander, Wi	102.3
WNNS	Springfleid, IL I-FM Warsaw, VA	98.7 100.9	WPCH Decatur, GA WPCR-FM Plymouth, NH	94.4	WQIT-FA	M Grafton, WV	100.9	WRHO O	neonta, NY	107.9 89.7
WNO	-FM New Orleans, LA	101.1	WPCM Burlington, NC	90.3	WQIZ-FA	oresheads, NY W. St. George, SC	100.9 107.5	WRHR H	enrietta, NY rk Forest, IL	90.5 88.1
WNO	Flora, IL Lebanon, IN	103.9 100.9	WPCS Pensacola, FL WPCT Lobelville, TN	89.3 94.3	WQKX S	Sunbury, PA Vest Point, MS	94.1	WRHY St	arview, PA	92.7
WNOF	R-FM Norfolk, VA Cortland, NY	98.7	WPCV Winter Haven-Lakeland	1,	WQLI N	ewbury, MA	100.9 88.7	WRIF Det	hmond, IN rolt, MI	101.3 101.1
WNPC	New Philadelphia, OH	99.9 95.9	WPDH Poughkeepsie, NY	97.5 101.5	WQLM-F	lichmond, IN M Punta Gorda, F	96.1 FL 92.7	WRIO-FM WRIT Stu	Cape May, NJ	101.7
WNRC	Dudley, MA Circleville, OH	91.1 107.1	WPDR-FM Portage, WI WPDX-FM Clarksburg, WV	100.1	WQLN-F	M Erie, PA	91.3	WRIU KIN	aston, RI	92.7 88.5
WNRC	G-FM Grundy, VA	97.7	WPDZ Cheraw, SC	104.9 103.1	WQLS C	alamazoo, MI leveland, TN	106.5 100.7	WRIX-FM WRJB Ca	Honeapath, SC	103.1 98.3
WNSB	Bellevue, OH Norfolk, VA	92.1 91.1	WPEA Exeter, NH WPEB Philadelphia, PA	90.5 88.1	WQLT F	lorence, AL iation, OH	107.3	WRJC-FM	Mauston, WI	92.1
WNSL	-FM Laurel, MS -FM Milton, WV	100.3	WPEG Concord, NH	97.9	WQMC (Charlottesville, VA		WRJS OII	indon, MS	98.5 97.7
WNTE	Manstield, PA	106.3 89.5	WPEH-FM Louisville, GA WPEL-FM Montrose, PA	92.1 96.5	WOMT	Greenboro, NC Chatsworth, GA	97.1 99.3	WRJL Oa	c HIII, WV wiston, ME	94.1
WNTH	Winnteka, IL Hackettstown, NJ	88.1 91.9	WPEZ Pittsburgh, PA	94.5 90.7	WQMUI	ndlana, PA	103.3	WRKB-FM	Kannapolis, NC	91.5 99.7
WNTC	Syracuse, NY	93.1	WPFK Los Angeles, CA WPFL Winter Park, FL	88.9	WQNA S	/icksburg, MS pringfield, IL	98.7 89.9	WRKE Gr	lkes-Barre, PA eenwall Springs, LA	88.5 89.3
WNUE	FM Northfield, VT New Kensington, PA	89.1 100.7	WPFM Panama City, FL WPFR Terre Haute, IN	107.9 102.7	WQNE C	leveland, TN Vaynesville, NC	98.3	WRKI Bro	ookfield, CO	95.1
WNUF	Evanston, IL	89.3	WPFW Washington, DC	89.3	WQNZ N	latchez-Vidalia, M:		WRKM-FN	mingham, AL Carthage, TN	99.5 102.3
WNVA	St. Matthews, KY -FM Norton, VA	103.1 106.3	WPGA-FM Perry, GA WPGC-FM Baldensburg, MD	100.9 95.5	WQOD Y	oungstown, OH Grayling, MI	93.3	WRKR Ra	cine. WI	100.7
WNW	Madison, WI N Coldwater, MI	102.5 98.5	WPGM-FM Danville, PA WPGT Roanoke Rapids, NC	96.7	WOOX N	Aemohis TN	98 5	WHILE OF		104.1 95.3
WNWE	R Canal Fulton, OH	90.9	WPGU Urbana, IL	90.1 107.1	WQPO H	M Princeton, MN larrisonburg, VA	106.3 100.7	WRKY Ste	ubenville, OH rabethtown, PA	103.5 106.7
WNW	/-FM Norway, ME -FM Portsmouth, OH	105.5 99.3	WPGW Portland, IN WPHD Buffalo, NY	100.9 103.3	WQQQ E	aston, PA Varrenton, VA	99.9	WRLC WI	liamsport, PA	91.7
	-FM New York, NY	93.9	WPHP Wheeling, WV	91.1	WQRC B	arnstable, MA	94.3 99.9	WRLM Ta	Antigo, WI	93.3 104.9
WNYC	New York, NY Nyack, NY	91.5 88.7	WPHS Warren, MI WPIO Titusville, FL	91.5 89.9	WORK N	Visconsin Dells, W Iorfolk, VA	107.1	WRLR Hu	ntingdon, PA	106.3
WNYE	ray work rai	89.1	WPIQ Brunswick, GA	101.5	WORP W	est Carrollton, Ol	H 88.1	WRLS Ha		92.1 106.9
WNYE	-FM New York, NY	104 9	WPIT Pinahurah DA		14:00	tar ourionton, or				
WNYE	P-FM New York, NY Ozark, AL -FM San Antonio, TX	97.3	WPIT Pittsburgh, PA WPIX-FM New York, NY	101.5 101.9	WQRS-FI	M Detroit, Mi enton, IL	105.1 106.3	WRMB Bo	vnton Beach, FL	89.3 91.7
WNYE WNYK WOAE WOAE WOAP	FM New York, NY Ozark, AL		WPIT Pittsburgh, PA	101.5 101.9 105.1	WQRS-FI	M Detroit, Mi enton, IL ibertville, AL	105.1 106.3 105.1 92.5	WRMB BO	ynton Beach, FL Middlebury, VT Im Beach, FL	89.3 91.7 97.9 102.3

Call Location MHz	
WRPN-FM Poplarville, MS 107-9 WRPN-FM Rignon, WI 30.5 WRPN-FM Rignon, WI 30.5 WRPN-FM Rignon, WI 30.5 WRRP-FM Rignon, WI 30.5 WRRP-FM Dalles, TX 30.5 WRRP-FM Lancaster, NY 89-9 WRRP Rignor, WI 38-7 WRRP Rignor, WI 38-7 WRRP Rignon, WI 39-7 WRRP Warren, PA 39-9 WRRP Warren, PA 39-9 WRRP Warren, PA 39-9 WRR SWeston, MA 38-3 WRR Warren, PA 39-9 WRR SWeston, MA 38-3 WRR SWESTON WRS Weston, MA 39-9 WRS SL-FM Bannford, KY 39-9 WRS SL-FM Bannford, KY 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS WRS Weston, MA 39-9 WRS Wrend, MA 39-9 WRS Wrend, MA 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SPAR Spart	MHz
WRPN-FM Poplarville, MS 107.9 WRPN-FM Ripn. WI 90.1 WRPN-FM Ripn. WI 90.1 WRPS Rockland, MA 90.1 WRPS Rockland, MA 90.1 WRR PS PS Rockland, MA 90.1 WRS PS Rock	92.1 105.3 irk, NJ 90.3
WRPN-FM Poplarville, MS 107-9 WRPN-FM Rignon, WI 30.5 WRPN-FM Rignon, WI 30.5 WRPN-FM Rignon, WI 30.5 WRRP-FM Rignon, WI 30.5 WRRP-FM Dalles, TX 30.5 WRRP-FM Lancaster, NY 89-9 WRRP Rignor, WI 38-7 WRRP Rignor, WI 38-7 WRRP Rignon, WI 39-7 WRRP Warren, PA 39-9 WRRP Warren, PA 39-9 WRRP Warren, PA 39-9 WRR SWeston, MA 38-3 WRR Warren, PA 39-9 WRR SWeston, MA 38-3 WRR SWESTON WRS Weston, MA 39-9 WRS SL-FM Bannford, KY 39-9 WRS SL-FM Bannford, KY 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS WRS Weston, MA 39-9 WRS Wrend, MA 39-9 WRS Wrend, MA 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SPAR Spart	#I 94.9 90.1 ernando, #IS 95.3
WRPN-FM Poplarville, MS 107-9 WRPN-FM Rignon, WI 30.5 WRPN-FM Rignon, WI 30.5 WRPN-FM Rignon, WI 30.5 WRRP-FM Rignon, WI 30.5 WRRP-FM Dalles, TX 30.5 WRRP-FM Lancaster, NY 89-9 WRRP Rignor, WI 38-7 WRRP Rignor, WI 38-7 WRRP Rignon, WI 39-7 WRRP Warren, PA 39-9 WRRP Warren, PA 39-9 WRRP Warren, PA 39-9 WRR SWeston, MA 38-3 WRR Warren, PA 39-9 WRR SWeston, MA 38-3 WRR SWESTON WRS Weston, MA 39-9 WRS SL-FM Bannford, KY 39-9 WRS SL-FM Bannford, KY 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS WRS Weston, MA 39-9 WRS Wrend, MA 39-9 WRS Wrend, MA 39-9 WRS SL-FM Spartenburg, SC 39-9 WRS SPAR Spart	NY 106.3 106.7 89.1 103.3
WROR Farmville, NC WRAF Malasia, TX WRAF GRidord, VA WRAF GRidord, VA WRAF GRiver Grove, IL WRAF Gridord, VA WRAF Malasia, MI	ole, NY 91.3 105.9 100.1
WHAT Farkint Lakes, NJ WYM. Farkint Lakes, NJ WYM. WARK Manistee, MJ WARK MAnistee, MJ WYM. WARK MANISTEE, MJ WARK MANIST	105.5
WRS A	90.5 98.3 N 88.9 A 91.5
WRSJ-FM Bayamon, PR 100.7 WRSI-FM Saniord, KY 95.9 WRSI-FM Genesco, IL 104.9 WRSI-FM Genesco, IL 104.9 WRSI-FM Oshkosh, WI 90.3 WRSI-FM Wersaw, IN 107.3 WRSW-FM Warsaw, IN 107.3 WRSW-FM Warsaw, IN 107.3 WRITE Chabkla, IL 99.5 WRITE WRI	AL 100.3 100.3 106.1 89.9
WSOX-FM W. farmouth, MA 94.9 WSPA-FM Sparanburg, SC 98.9 WSPB-FM Sparanburg, SC 105.5 WSPM-FM Cleveland, OH 91.1 WRTU-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW SPA-FM Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WRW Sparanburg, SC 105.3 WSPM-FM Cleveland, OH 91.1 WSPD Concord, NH 90.5 WSPM-FM Cleveland, OH 91.1 WSPM Sparanburg, SC 105.3 WSPM Sparanburg, SC 105.3 WSPM Sparanburg, SC 105.3 WTMR Detroit, MI 92.3 WTWX Guntersville, AL 95.9 WTWX Guntersville, AL 95.9 WTWX Inlipey, MS 102.3 WYPD FM Concord, NH WTV1-FM Didnator, To 100.9 WTYL-FM Tylertown, MS 92.9 WTYL Ripley, MS 102.3 WTYD New London, CT 100.9 WTYL-FM Clevel, AL 95.5 WYPM-FM Cundersville, AL 95.9 WYPD FM Sparanburg, SC 105.3 WTWX Inlipey, MS 102.3 WTYD Level, MB 92.9 WTYL-FM Clevel, AL 95.5 WTWX Inlipey, MS 102.3 WTYL-FM Clevel, AL 95.5 WTWX Inlipey, MS 102.3 WTYL-FM Clevel, AL 95.3 WTWX Inlipey, MS 102.3 WTYL-FM Clevel, AL 95.5 WTWX Inlipey, MS 102.3 WTYL Inlipey, MS 102.3 WTYL-FM Clevel, AL 95.5 WTWX In	100.5
WARTI Philadeliphia, PA 90.1 WSPL La Crosse, WI 95.9 WSPL The Rantoul, IL 95.3 WSPN Saratoge Springs, NY 91.1 WSPL Rantoul, IL 95.3 WSPN Saratoge Springs, NY 91.1 WSPN Saratoge Springs, NY 91.1 WSPN Concord, NH 90.5 WTYL-FM Tylertown, MS 97.9 WVPH Morganitown, VI WTVL-FM Tylertown, MS 94.7 WVPH Morganitown, VI WTVL-FM Tylertown, MS 94.7 WVPH Morganitown, VI WTVL-FM Tylertown, MS 94.7 WVPH Charleston, WS WTVL-FM Tylertown, MS 94.7 WVTL-FM Tylertown, MS 94.7 WVAL-FM Tylertown, MS WVDL-FM Tylertown, MS WVDL-FM Tylertown, MS 94.7 WVAL-FM Tylertown, MS 94.7 WVAL-FM Tylertown, MS 94.7 WVAL-FM Tylertown, MS 94.7 WVAL-FM Tylertown, MS WVDL-FM Tylertown, MS WVYDL-FM Tylertown, MS WVDL-FM Tylertown, MS WVDL-FM Tylertown, MS WVYDL-FM Tylertown, MS WVYDL-FM Tylertown, MS WVDL-FM Tylertown, MS WVPL Tylertown, MS WVPL Tylertown, MS WVPL Tylertown, MS WVFL-FM Tylertown, MS WVFL-FM Tylertown, MS WVFL-FM Tylertown, MS WVFL-FM Tylertown, MS WV	95.9 101.9 R 107.7 F 89.5 91.7 88.1
WRUF-FM Galnesville, FL 103.7 WSRB Walpole, MA 91.7 WUAZ Henderson, KY 103.1 WVRM Hazlet, NJ WVRM Hazlet	90.3 /V 90.9 88.5 g, PA 93.5
WRIV Burlington, VI 90.1 WSRW Workseler, Ma 90.1 WSRW Workseler, Ma 90.1 WSRW FORCE 90.1	89.3 104.9
WRV New York, NY 106.7 WRVR New York, NY 106.7 WRVQ Richmond, VA 94.5 WSSR Springfield, IL 91.9 WSSR Springfield, IL 91.9 WSSR Springfield, IL 91.3 WUGO Grayson, KY 102.3 WWTH Goodman, MS WUGO Grayson, KY 102.3 WWTH Goodman, MS WUGO Grayson, KY 102.1 WRWC S. Beloit, IL 103.1 WRWC S. Beloit, IL 103.1 WSTB Streetsboro, OH 91.5 WSTB Streetsboro, OH 91.5 WSTB Streetsboro, OH 91.5 WWTH Monticeilo, IN WYTH Monticeilo, IN WUHY Philadelphia, PA 90.9 WYTTS Terre Haute, IN WYTH MONTICEILO, I	97.9 90.9 90.7 96.7 n, AL 91.1
WCTO Owenshoro KY 96.1 WUIC Chicago, IL 88.1 WVUB Vincennes, IN	89.5 95.3 100.7
WRYO Crystal River, F L 98.5 WSTR-FM Sturgis, MI 99.3 WUJC University Heights, OH 88.7 WVUM-Coral Gables, WSTS Laurinburg, NC 96.5 WUME-FM Paoli, IN 95.3 WVUM Coral Gables, WSTS Laurinburg, DE 93.7 WUMF-FM Farmington, ME 91.9 WVUM Valparaiso, IN WSAL-FM Circle City PA 89.5 WSUC-FM Corliand, NY 90.7 WUMR Rolla, MO 88.5 WVUS Putney, VT	91.1 OH 99.9 FL 90.5 89.5 88.9 91.7
WSAK Sullivan, IL 106.3 WSUE-FM Sault Ste. Marle, MI 101.3 WUNF-FM Alaheville, NC 88.1 WVVS Valdosta. GA WSAL Phot Huron, MI 107.1 WSUP Platteville, WI 90.5 WUNF-FM Alaheville, NC 88.1 WVVS Valdosta. GA WVVV Blacksburg, VA WSA-FM Halania, GA 98.5 WSUS Franklin, NJ 102.3 WUOA Tuscaloosa, AL 95.7 WVVX-FM Highland P WSBA-FM York, PA 103.3 WSUW Whitewater, WI 91.7 WUOG Athens, GA 90.5 WYUR-FM Roanoke, VA WSBA-FM York, PA 103.3 WSUW Whitewater, WI 91.7 WUOG Athens, GA 90.5 WYUR-FM Roanoke, VA WSBA-FM York, PA 103.3 WSUW Wintewater, WI 91.7 WUOG Athens, GA 90.5 WYUR-FM Roanoke, VA WSBA-FM York, PA 103.3 WSUW Wintewater, WI 91.7 WUOG Athens, GA 90.5 WYUR-FM Roanoke, VA WSBA-FM York, PA 103.3 WSUW Wintewater, WI 91.7 WUOG Athens, GA 90.5 WYUR-FM Roanoke, VA WSBA-FM YORK, PA 103.3 WSUW WINTEWATER, WINTEWATER	89.9 104.9 ark, IL 103.1 /A 89.1
WSBF-FM Clemson, SC 99.3 WSVA-FM Seatorta, DE 99.7 WUOM Ann Arbor, MI 91.7 WYVC York, PA WSBB Brunswick, GA 100.7 WSVL-FM Shelbyville, IN 97.1 WUOT Knoxville, TN 91.9 WWAD Middleton, WI WSBM Jefferson City, TN 99.3 WSVS-FM Crewe, VA 104.7 WUPE-FM Pittsfield, MA 95.9 WWAS Williamsport, F WSBU St. Bonaventure, NY 88.3 WSWF Lehigh Acres, FL 107.1 WUPI Presque lale, ME 91.1 WWAY Auburn, M	88.1 106.3 PA 88.1 100.1
WSCD Somerset, KY 90.7 WSWT Peoria, il. 106.9 WURD Georgetown, OH 97.7 WWBD-FM Bamburg, WSCD-FM Duluth, MN 92.9 WSWV-FM Pennington, Gap, WV WSB Stony Brook, NY 90.1 WWCG La Grange, G. WSCH Aurora, IN 99.3 WSWV-FM Pinteville, WI 99.3 WSWV-FM Pinteville, W	104.1 105.5 Frederick, MD 106.9
WSCS Sodus, NY 89.5 WSYR-FM Syracuse, NY 94.5 WUSM N. Dartmouth, Ma 91.1 WWCU Cullowhee, NI WSDH Sandwich, MA 91.5 WSXL London, OH 106.3 WUSO Syringfield, OH 89.1 WWCU Cullowhee, NI WSDH Plymouth, MI 88.1 WTAI-FM Melbourne, FL 107.1 WUTA Farmville, VA 90.1 WWCW Albany, GA WSEA Georgetown, DE 93.5 WTAO-FM Murphysboro, IL 104.9 WUTC Chattanooga, TN 88.1 WWDB Philadephia, F WSEA WSEA WILLIAM WSEA GEORGE WSEA WSEA WSEA WSEA WSEA WSEA WSEA WSE	101.7 A 96.5 on, DC 101.1
WSEF-FM Seneca Falls, NY 99.3 WTAY-FM Robinson, IL 101.7 WUTS-FM Sewanee, TN 91.5 WWDL-FM Scranton, WSE Olney, IL 92.9 WTAZ Morton, IL 102.3 WUTS-FM Sewanee, TN 91.5 WWDL-FM Scranton, WWDM Sunter, SC WSEK Somer#et, KY 96.7 WTBG Brownsville, TN 95.3 WUTZ Summertown, TN 88.3 WWDM Sunter, SC WWDM Marquette, MI 100.1 WWDS Muncle, IN WSEN-FM Beldwinsville, NY 92.1 WTBR-FM Pitmouth, IN 94.3 WUVM Charlottesville, VA 92.7 WWEB Wallingford, C WSEV-FM Sevierville, TN 102.1 WTCA-FM Piymouth, IN 94.3 WUVM FM Riecheburg VA 97.7 WWEL London, KY	PA 104.9 101.3 90.5
WSEZ Winston-Salem, NC 93.1 WICC Springfield, Ma 93.1 WEZ Cincinnati, Ob. 93.1 WICC Springfield, Ma 93.1 WWEZ Cincinnati, Ob. 93.1 WSEP Bridgeton, NC 106.5 WTCM-FM Traverse City, MI 103.5 WUWF Milton, FL 88.1 WWEZ Cincinnati, Ob. 93.1 WWEX MILTON, WWEX	90.9 99.5 GA 100.9 A 89.3
WSGR-FM Winston-salem, NO WHIS Hammond, LA 103.3 WVBC Bethany, WV 88.1 WWHB Hammond Barrier WSGR Staunton, VA 93.5 WTGN Lims, OH 97.7 WSGR Staunton, VA 93.5 WTGN Lims, OH 97.7 WVBR-FM Ithaca, NY 93.5 WWHC Hartford, City WSGR-FM Port Huron, MI 91.3 WTGV-FM Sendusky, MI 97.7 WVBU-FM Lewisburgh, PA 90.5 WSGR-FM PORT Huron, MI 91.3 WTGV-FM Sendusky, MI 97.7 WVBU-FM Lewisburgh, PA 90.5 WYGL-FM Gloucester, MA 104.9 WYGL-FM G	, IN 104.9 .91.5 -Sydney, VA 91.7
WSMA Raielgh, NC 88.9 WTHM-FM Lapeer, MI 103.1 WVCD Hazleton, PA 97.9 WWID Galinstille, GA WSHC Shepherdstown, WV 88.7 WTHO-FM Thomson, GA 101.7 WVCL-FM Winntield, LA 92.1 WID Galinstylle, GA WSHE Ft, Lauderdale, FL 103.5 WTIB luka, MS 104.9 WVCM Carrollton, KY 100.1 WWIH High Point, NC WSHF Lake Ronkonkoma, NY 91.9 WTIB-FM Salem, WV 91.1 WCP Galiatin, TN 88.5 WJ-FM Detroit, MI WSHF Lake Ronkonkoma, NY 91.9 WTIB-FM Salem, WV 91.1 WCP Galiatin, TN 88.5 WJ-FM Detroit, MI WWJ-FM Detroit	106.7 90.3 97.1 n, OH 106.3
WSHH Pittsburgh, PA 99.7 WTIJ Bellows Falls, VI 107.1 WVCS Gallottins, PA 107.7 WWJR Sheybogan, W WSH Sheboygan, W 91.7 WTKM-FM Hartford, WI 104.9 WYEN Franklin, PA 99.3 WWKN Fk. Knox, KY WSH Sheboygan, W 91.7 WTKM-FM Hartford, WI 104.9 WYEN Franklin, PA 99.3 WWKN Fk. Knox, KY WSH Sheybogan, W	97.7 100.5 100.5 105.5 PA 106.7
WSHU Fairlield, CT 91.1 WTKY-FM Tompkinsville, KY 92.1 WVEZ Louisville, KY 106.9 WKKT-FM Kinga Tre WSHV South Hill, VA 105.5 WTLB-FM Utica, NY 107.3 WYEZ Louisville, KY 106.9 WKT-FM Kinga Tre WSHV South Hill, VA 105.5 WTLB-FM Indianapolis, IN 105.7 WYFK Key West, FL 95.5 WYFK Key West, FL 95.5 WYFK Key West, FL 95.5 WYFM Lakeland, FL 94.1 WSH Pound, VA WSH WSH Pound, VA WSH WSH WSH Pound, VA WSH	e, SC 100.1 A 90.3 102.3 T 91.7

Call	Location	MHz	Call	Location	MHz	Call	Location	MHz	Cali	Location	M
	-FM Mifflinburg, PA	A 98.3	WWYD	White Plains, NY	103 9	WXXY	Montour Falls, NY	104.9	WYYE	Sun Prairie, WI	
MWMD	Hagerstown, MD	104.7		Carthage, MS	98.1		Chapel Hill, NC	89.3		Sun Prairie, WI Fairfield, OH	9:
HMW	Minocqua, WI	95.9		Waterbury, CT	92.5		Baltimore, MD	102.7		Wilkes-Barre, PA	9:
WMM	Arlington Heights,	IL 92.7	WXAC	Reading, PA	91.3		Bayamon, PR	102.7		Cleveland, OH	9:
OMW	Reidsville, NC	102.1	WXBA	Brentwood, NY	88.9		Wilson, NC	100.7		Ponce, PR	10
WNH-	-FM Rochester, NH	96.7	WXBQ-	-FM Bristol, TN	96.9		Sudbury, MA	88.1		Savannah, GA	10
WNO	New Orleans, LA	88.9	WXBM-I	-FM Milton, FL	102.3		-FM Surfside Beach-	00.1		Newton, MA	91
	New Orleans, LA	89.9	WXCC	Williamson, WV	96.5		den City, SC	103.3	WZBT	Gettysburg, PA	9
	Avalon, NJ	94.3	WXCID	Danbury, CT	91.7		-FM Upper Sandusky.			Soddy-Daisy, TN	10
	-FM Lynchburg, VA		WXDR	Newark, DE	91.3		New Haven, CT	94.3		Soddy-Daisy, TN	10
WOL-F	FM Buffalo, NY	104.1	WXEZ S	Sylvania, OH	105.5		Belvidere, IL	104.9		Madison, WI	10
	Albany, NY	101.9	WXFM	Elmwood Park, IL	105.9		Jersey Shore, PA	97.7	WZEN	Alfon, IL	10
	-FM Woonsocket, RI		WXGC	Milledgeville, GA	88.9		Hammond, IN	92.3	WZEP-F	FM DeFuniak Springs	IR. FL
	Berryville, VA	105.5	WXID M	Mayfield, KY	94.7		Hamilton, OH	103.5	WZEZ	Nashville, TN	93, 12
	Buffalo, NY	104.1	WXIL P	Parkersburg, WV	95.1		Shelbyville, TN	102.9		Charlestown, WV	9
	New Orleans, LA	90.7		Erwin, TN	103.9		York-Hanover, PA	98.5		Atlanta, GA	ğ
	Princeton Junction,			Bay Springs, MS	93.5		Yorktown, VA	91.5		Manchester, NH	9
	Westport, CT	90.3	WXIZ W	Waverly, OH	100.9		Pittsburgh, PA	104.7		Niagra Falls, NY	9
	FM Colchester, VT	88.7	WXJY N	Menomonee Falls, WI	98.3		-FM Mount Carmel, IL			Wallace, NC	. 9
	Quincy, IL	90.3	WXKE-F	FM Fort Wayne, IN	103.9		Des Plaines, IL	106.7		Gulfport, MS	10
MON-	FM Middleton, WI	106.3	WXKQ	Whitesburg, KY	103.9		-FM Pittsburgh, PA	91.3		Lorain, OH	10
	-FM WilmIngton, NC		WXKS-F	FM Medford, MA	107.9		Elkhart, IN	100.7		Tupeol, MS	9
	Lawrenceville, NJ	88.5	WXKW .	Allentonw, PA	104.1		-FM Winnebago, IL	95.3		Lexington, TN	9
	Elberton, GA	92.1	WXKX F	Pittsburgh, PA	96.1		Norfolk, VA	99.7	WZLY V	Wellesley, MA	10
	Gaylord, MI	106.7	WXLC V	Waukegan, IL	102.3		Ashland, VA	100.1	WZMB	Greenville, NC	9
	Jamestown, NY	91.3	WXLE A	Abbeville, AL	94.3		Sharon, PA	102.9		Zeeland, MI	9
	Quincy, FL	101.7	WXLN L	Louisville, KY	103.9		-FM Corbin, KY	99.3	WZNT S	San Juan, PR	9
WSH	Philadelphia, PA	106.1	WXLO	New York, NY	98.7		Williamsport, MD	95.9	WZOE-F	-FM Princeton, IL	9
	Philadelphia, MS	102.3	WXLP N	Moline, IL	96.9		Quitman, MS	98.3		Rockford, IL	9
	Bay Minet, AL	105.5	WXLS V	Willimantic, CT	98.3		-FM New Orleans, LA			Luquillo, PR	9
WSP S	Stevens Point, WI	89.9	WXMN	Monticello, ME	89.5		-FM Glen Falls, NY	95.5	WZOT	Rockford, IL	9
	FM Wooster, OH	104.5	WXMR I	Lexington, MS	106.3		Milwaukee, Wi	88.9	wzow	Goshen, IN	Š
	Dayton, OH	88.5		Henderson, NC	92.5		Augusta, GA	103.3		Meadville, PA	10
	FM Bethany Beach,		WXOS F	Plantation Key, FL	100.3		Tampa, FL	94.9	WZRD	Chicago, IL	8
	West Hartford, CT	91.3	WXPN F	Philadelphia, PA	88.9		-FM Baton Rouge, LA			Tamagua, PR	10
	Batesville, MS	95.9	WXQR .	Jacksonville, NC	105.5		New York, NY	97.1		-FM Milwaukee, WI	10
	Blg Pine Key, FL	93.5	WXRC I	Hickory, NC	95.7		Coral Gables, FL	105.1		Kokomo, IN	ç
	Long Branch, NJ	107.1		FM Guayama, PR	106.9		Gallipolis, OH	101.5		Gastonia, NC	10
	West Terre Haute, IN			Norfolk, VA	105.3		Philadelphia, PA	88.9	WZXR	Memphis, TN	10
	FM Jasper, AL	102.5		Beaver Dam, WI	95.3		Melbourne, FL	102.3	WZYP /	Athens-Huntsville, AL	L 10
	Johnstown, OH	103.1	WXRT C	Chicago, IL	93.1		Little Falls, MN	92.1		FM Braddock Heights	
	Granite City, IL	106.5	WXRY-F	FM Columbia, SC	93.5		-FM Clinton, TN	104.9	W.L	MD	
	Miami Beach, FL	93.9	WXTC C	Charleston, SC	96.9		Yellow Springs, OH	91.5	WZYZ	Fairmont, NC	10
	Cleveland, OH	105.7		Myrtle Beach, SC	92.1		Philadelphia, PA	94.1		Centreville, MS	10
	Saginaw, MI	107.1		Athens, OH	105.5		Saegertown, PA	94.3	WZZC '	East Moline, IL	10
	Owego, NY	101.7	WXTR-F	FM LaPlata-Waldorf,			Youngstown, OH	88.5		Hockessin, DE	8
WWV.	Charlottesville, VA	97.5		MD			-FM Ripon, WI	90.1		Bethlehem, PA	9
	Detroit, MI	106.7		Indianapolis, IN	103.3		Washington, PA	95.3		Cleveland, OH	10
	Columbus, IN	104.9	WXUS-F	FM Lafayette, IN	92.7	WYUT-	-FM Herklmer, NY	92.7		Jackson, MS	10
	Summerville, SC	93.5		M Rochester, NY	91.5		-FM Yorktown, VA	94.1		FM Grand Rapids, MI	10
WXL-F	Manchester, KY	103.1		Freeport, IL	98.5		-FM Barbourville, KY		WZZW	Augusta, GA	10
		,	6		1			33.5	WZZX	Jeffersontown, KY	10

Location	Call MHz	Lagarian	C-11 A411	1	0 11		
Localion	Call MITZ	Location	Call MHz	Location	Call MHz	Location	Call MH
ALAE	BAMA		WKSJ-FM 94.9	Batesville	KGED 88.1	Clarksville	KLYR-FM 92
Abbeville	WXLE 94.3	***************************************	WLPR 96.1	Benson	KAVV 97.7	Conway	KUCA 91
Albertville	WQSB 105.1	Monroeville	WMFC-FM 98.5	Bisbee	KBAZ 92.1		KHDX 93
Alexander City	WRFS-FM 106.1	Montgomery	WBAM-FM 98.9	Bullhead City	KRHS-FM 102.3	,	KMJX 105
Andalusia	WK YD 98.1		WREZ 103.3	Casa Grande	KSAA 105.5	Î -	KVEE-FM 105
Anniston	WHMA-FM 100.5		WLWI 92.3	Chandler	KMLE 107.9	Crossett	KAGH-FM 104
Arab	WCRQ-FM 92.7	Muscle Shoals	WHHY-FM 101.9 WLAY-FM 105.5	Cottonwood	KCRJ-FM 95.9	Dardanelle	KWKK 102
Ashland	WTUX 98.3	Oneonta	WKLD 97.7	Douglas Flagstaff	KKRK 95.3	DeQueen DeWitt	KDQN-FM 92
Athens-Huntsville	WZYP 104.3	Орр	WAMI-FM 102.3	riagatan	KFLG 92.9 KCTB-FM 93.9	Dewitt	KDEW-FM 96 0A-FM 107
Atmore	WATM-FM 104.1	Ozark	WOAB 104.9		KAXR 88.5	Dumas KDD El Dorado	
Auburn	WFRI 97.7	02011	WAYD-FM 103.9		KNAU 88.5	El Dorado	KLBQ 99 KAYZ 103
	WEGL 91.1	Phenix City	WEIZ 100.1	Glendale	KXTC 92.3	Eureka Springs	KESP 90
Ballinger	KCWB 103.1	Prattville	WQIN 95.3	Globe	KIKO-FM 100.3	Fayetteville	KKEG 92
ay Minette	WWSM 105.5	Roanoke	WELR-FM 95.3	Kingman	KZZZ 92.7	rayettevine	KUAF 88
Irmingham	WAPI-FM 94.5	Scottsboro	WCNA-FM 98.3	Lake Havasu City	KBAS 95.9	1	KNWA 103
	WBHM 90.3	Selma	WTUN 100.1	Mesa	KBUZ-FM 104.7	Forrest City	KBFC 93
	WQEZ 96.5		WALX 100.9		KDKB 93.3	Fort Smith	KISR 93
	WDJC 93.7	Sheffleld	WBTG 106.3		KZZP-FM 104.7		KMAG 99
	WRKK 99.5	Stevenson	WVSV 101.7	Nogales	KAYN 98.3		KTCS-FM 99
	WENN-FM 107.7	Sylacuga	WMLS-FM 98.3	Parker	KMDX-FM 99.3		KXXI 100
	WKXX 106.9	Talledga	WHTB 92.7	Phoenix	KQYT 95.5	Harrison	KHOC-FM 102
	WJLN-FM 104.7	Thomasville	WJDB-FM 95.3	PHOCHIA	KMEO-FM 96.9	Heber Springs	KAWW-FM 96
	WJSR 91.1 WVSU-FM 91.1	Troy	WRES 105.7		KIAI 89.5	Helena	KZRI 103
rewton	WKNU 106.3		WTSU 90.1		KOOL-FM 94.5	Норе	KHPA 104
utler	WQGL 93.5	Tuscumbia	WVNA-FM 100.3		KMCR-FM 91.5	Hot Springs	KSPA 96
arroliton	WAQT 94.1	Tuscaloosa	WACT-FM 105.5		KNIX-FM 102.5		KACQ 106
hickasaw	WTUX 98.3		WACT-FM 105.5		KBBC 98.7		KGUS 97
lanton	WEZZ 97.7		WTUG 92.7		KHEP-FM 101.5	Hot Springs	KXOW-FM 106
ullman	WFMH-FM 101.1		WUAL-FM 91.5	Prescott	KEZH 98.3	Jacksonville	KEZQ 100
	WKLN 92.1	Tuskegee	WUOA 95.7		KNOT-FM 98.3	Jonesboro	KBTM-FM 101
Decatur	WDRM 102.1	Union Springs	WVNS 95.9 WQSI 100.9		KAHM-103.9		KASU 91
	WBQN 91.7	Wrangell	KSTK 101.7	Safford	KXKQ 94.1		KFIN 107
	WRSA 96.9	York	WSLY 99.3	Scottsdale	KDOT-FM 100.7	Kenal	KQOK 100
emopolis	WNAN 106.3	TOTA	W SLT 99.3	Show Low	KVWM-FM 93.5	Lake VIIIage	KLVA 95
othan	WOOF-FM 99.7		040	Sierra Vista	KTAZ-FM 100.9	Little Rock	KARN-FM 103
	WTVY 95.5	ALA	SKA	Sun City	KWAO 106.3		KLRE-FM 90
nterprise	WLHQ 96.9			Tempe	KUPD-FM 97.9		KLAZ 98 KLPQ 94
	WKMX 106.7	Anchorage	KNIK-FM 105.5	Tsaile	KNCC 91.9		KSSN 95
ufaula	WLAZ 92.7		KKLV 103.9	Tucson	KUAT-FM 90.5	Magnolla	KFMV 107
alrhope	WHSP 92.1		KRKN 102.1 KGOT 101.3		KNDE 99.5	Mammoth Spring	KAMS 95
nyette	WHKW 98.1		KSKA 103.1		KJYK 94.9	Mena	KSKB 101
orence	WQLT 107.3		KHVN 100.5		KTKT-FM 96.1	Monticello	KHBM-FM 93
adsden	WQEN 103.7	Fairbanks	KUAK-FM 104.1		KNIX-FM 102.5 KRQQ 93.7	Morritton	KUOM-FM 101
eneva	WEXP 91.5	, an Danna	KAYY 101.1		KWFM 92.9	Mountain Home	KTLO-FM 98
eneva reensville	WGEA-FM 93.5 WKXN 95.9	Haines	KHNS 102.3	Willcox	KWCK 98.3	Nashville	KNAS 105
reensville untersville	WKXN 95.9 WTWX 95.9	Homer	KGTL 103.5	Yuma	KTTI 95.1	Newport	KOKR 105
ale y vi i le	WJBB-FM 92.7	Juneau	KTOO 104.3	Toma	KJOK 93.1	Nome	KICY 100
amilton	WERH-FM 92.1	Kenal	KQOK 101.1		ROOK 55.1	Osceola	KOSE-FM 98
untsville	WAHR 99.1	Ketchikan	KRBD 105.9	ARKA	NCAC	Ozark	KZRK-FM 96
	WLRH 89.3	Kodiak	KMXT 100.1	ARKA	NOAD	Paragould	KHIG 104
	WNDA 95.1	Nome	KICY-FM 100.3	A stradel - bits	9 20000	Pine Bluff	KADL-FM 94
	WOCG 90.1	North Pole	KJNP 100.3	Arkadelphia	KSWH 91.1 KDEL-FM 100.9		KFXE 92
	WAED 90.9	Petersburg	KFSK 100.9	Ashdows	KMLA 100.9	Pocahontas	KCYN 103
ckson	WHOD-FM 104.9	Wrangell	KSTK 101.7	Ashdown Augusta		Rogers-Bentonville	
cksonville	WLJS-FM 91.9	Yakutat	KJEP 103.9	Benton	KABK-FM 97.7	Salem	KSAR-FM 95
sper	WWWB-FM 102.5		1	Berryville	KAKI 107.1	Searcy	KSER 99
oblle	WKRG-FM 99.9	ARIT	CONA	Blytheville	KSCC 107.1	Siloam Springs	KMCK 105
	WABB 97.5	Anie	-0174	Brinkley	KHLS 96.1 KBRI-FM 102.3	Springdale	KCIZ 104
	WBLX 92.9	Apache Junction	KSTM 107.1	Camden		Texarkana	KADO-FM 107
	WHIL-FM 91.3	Apacine deliction		Campen	KWEH 97.1 i		KOSY-FM 102

U.S. FIVE	STATION	3 51 200	SATION				
Location	Call MHz	Location	Call MHz	Location	Call MHz	Location	Call MHz
Warren	KWRF-FM 105.5	Los Banos	KZLA-FM 93.9 KLBS-FM 95.9		KCBX-FM 90.1 KZOZ 93.3	La Junta Lakewood	KBLJ 92.1 KPPL 107.5
Wynne	KWYN-FM 92.7	Los Gatos	KRVE 95.3	San Mateo	KCSM 91.1 KSOL 107.9	Longmont	KCDC 90.7 KLMO-FM 104.3
CALIFO	RNIA	Madera Mammoth Lakes	KUUL 92.1 KMMT 106.3	San Rafael	SKRH 91.5 KTIM-FM 100.9	Loveland Manitou Springs	KLOV-FM 102.3 KIIQ-FM 102.7
Alemeda	KJAZ 92.7 KBGX 94.5	Manteca	KNBS 90.3 KQKK 96.7	Santa Ana	KWIZ-FM 96.7		KCME 88.1 KUBG-FM 94.1
Alturas Anaheim	KEZY-FM 95.9	Mariposa Marysville	KUBB 96.3 KRFD 99.9	Santa Barbara	KYMS 106.3 KCSB-FM 91.9	Montrose	KWDE 96.1
Angwin Apple Valley	KANG 89.9 KAVR-FM 102.3	Menducino Merced	KMFB-FM 92.7 KBDR 89.1		KDB-FM 93.7 KBLS 99.9	Morrison Norwalk	KWBI 91.1 WLYQ 95.9
Arcadia Arcata	KMAX 107.1 KXGO 93.5	Mission Viejo	KMYT 97.5 KSBR 88.5		KRUZ 103.3 KTMS-FM 97.5	Oak Creek Paonia	KFMU 103.9 KVNF 90.9
	KAHS 91.5 KHSU-FM 90.5	Modesto	KBEE-FM 103.3 KBHI-FM 89.9	Santa Clara	KARA 105.7 KSCU 89.1	Pueblo	KPLV 98.9 KTSC-FM 89.5
Alascadero Atherton	KIQO 104.5 KMAH 88.9		KDHS 90.5	Santa Cruz	KSCO-FM 99.1 KUSP 88.9		KCCY 97.9 KZLO 100.7
Aubum	KHYL 101.1 KBIG-FM 104.3	Modesto-Stockton	KFIV-FM 102.3 KHOP 104.1		KZSC 88.1	Pueblo-Colorado S	KAPI-FM 107.1
Avaion Atherton	KMAH 88.9 KLYD-FM 94.1	Mojave Monterey	KDOL-FM 97.7 KLRB 101.7	Santa Maria	KXFM 99.1 KSNI-FM 102.5	Pueblo-Colorado s	KYNR 99.9
Bakersfield	KBBY 107.9	Monte Rio	KWAV KRJB 97.7	Santa Monica	KCRW 89.9 KSRF 103.1	Rocky Ford	KAPI-FM 107.1 KAVI-FM 95.9
	KGFM 101.5 KHIS-FM 96.5	Moraga Mountain Pass	KSMC 89.5 KXUR 104.9	Santa Paula Santa Rosa	KAAP-FM 96.7 KZST 100.1	Salida Security	KVRH-FM 92.1 KWYD 101.5.
	KKXX 107.9 KZIN-FM 107.9	Mountain View Mount Shasta	KSFH 90.5 KEDY 95.3		KBBF 89.1 KVRE-FM 91.5	Steamboat Springs Sterling	KSTC-FM 104.7
Barstow Berkeley	KWTC-FM 94.3 KPFA 94.1	Nevada City Newport Beach	KVMR 89.5 KOCM 103.1	Seaside Shafter	KOKQ 107.1 KMGN 97.7	Telluride Vali	KOTO 91.7 KVMT 104.7
	KALX 90.7 KPFB 89.3	Northridge Oakdale	KCSN 88.5 KWLF 95.1	Sonora	KROG 92.7 KTHO 103.1	Windsor Yuma	KUAD-FM 99.1 KJCO 100.9
Big Bear Lake	KBLX 102.9 KTOT-FM 101.7	Oceanside	KJFM 102.1	South Lake Tehno	KTUO 104.9 KRLT 100.1		
Bishop Blythe	KIOQ-FM 100.7 KYOR-FM 100.3	Ojal Ontario	KOVA 105.5 KNTF 93.5	South Lake Tahoe Stanford	KZSU 90.1 KUOP 91.3	CONNE	
Borrego Springs	KBSH 88.9 KBPK 90.1	Oroville Oxnard	KEWE 97.7 KACY 104.7	Stockton	KCJH 90.5	Berlin Bridgeport	WERB 89.9 WEZN 99.9
Buena Park Camarillo	KGAB 95.9	Pacific Grove	KDAR 98.3 KOCN 104.9		KFMR 100.1 KJAX 99.3	Brookfield	WPKN 89.5 WINE-FM 95.1
Carlsbad Carmel	KKOS 95.9 KLRB 101.7	Palm Desert	KAZU 90.3 KCMS 103.1		KSJC-FM 89.5 KSTN-FM 107.3	Danbury	WDAQ 98.3 WXCI 91.7
Cethedral City Ceres	KWYX-FM 98.5 KBES 89.5	Palm Springa	KPSH-FM 88.3 KPSH-FM 88.5	Susanville Temecula	KSUE-FM 92.7 KRTM 88.9	Derby Fairfield	WLNV 90.1 WSHU 91.1
Chico	KCBM 93.7 KCHO 91.1	Paradise	KPSH-FM 88.3 KNVR 96.7	Thousand Oaks	KCPB 91.1 KNJO 92.7	*	WVOF 88.5 WQGN-FM 105.5
Chualar	KPAY-FM 95.1 KUBO 89.7	Paradise Pasadena	KPCC 89.3 KROQ-FM 106.7	Torrance Tracy	KNHS 89.7 KSRT 100.9	Groton Guilford	WGCT 90.5
Claremont	KSPC 88.7 KVIM 93.7	Pebble Beach	KSP8 91.9	Travis AFB	KVIK 91.5 KEZC 101.7	Hamden Hamden-New Have	
Coachella Compton	KJLH 102.3 KVHS 91.1	Patterson Paso Robles	KOSO 93.1 KPRA 94.3	Truckee Tulare	KBOS 94.9	Hartford	WHCN-FM 105.9 WDRC-FM 102.9
Concord Crescent City	KVXJ 90.1	Pismo Beach Porterville	KPGA 95.3 KIOO 99.7	Turlock	KJUG 106.7 KCSS 91.9		WCCC-FM 106.9 WIOF 104.1
Cupertino	KCRE-FM 94.3 KKUP 91.5	Red Bluff	KSNR 95.9 KKRB 102.3		KBDG 90.9 KMIX 98.3		WJMJ 88.9 WLVH 93.7
Davis	KDVS 90.3 KYLO 105.5	Redding KV Redondo Beach	IP-FM 98.1 KFOX 93.5	Twenty-Nine Palms Uklah	KQYN 95.7 KIAH 103.3		WQTQ 88.3 WRTC-FM 89.3
Delano Dinuba	KDNO 98.5 KLTA 98.9	Redlands	KCAL-FM 96.7 KUOR-FM 89.1	Vacaville-Fairfield	KWNE 94.5 KUIC 95.3	Hartford-Meridan	WTIC-FM 96.5 WKSS 95.7
El Cajon El Centro	KECR 93.3 KXO-FM 107.5	Ridgecrest	KFIO 104.9 KZIQ-FM 92.7	Ventura	KBBY 95.1 KHAY 100.7	Kent Middlefleid	WKSB 90.9 WPBH 90.5
El Cerrito	KEGH-FM 90.1 KECG 88.1	Rio Vista	KRVH-FM 90.9 KGGI 99.1	Victorville Visalia	KVVQ 103.1 KONG-FM 92.9	Middletown	WESU 88.1
Escondido Eureka	KOWN-FM 92.1 KFMR 96.3	Riverside	KHNY 92.7	Walnut Walnut Creek	KSAK 90.1 KDFM 92.1	Monroe,	WIHS 104.9 WMNR 88.1
Falibrook	KPDJ 92.3 KAVO 107.1	1	KDUO 97.5 KUCR 88.1	West Covins	KBOB 98.3 KWHS 91.7	New Britain	WRCH-FM 100.5 WFCS 93.9
Fowler	KTED 96.7 KDOS 104.9	Roseville	KSGN 89.7 KPOP 93.5	W. Sacramento Woodland	KSFM 102.5	New Caanan New Haven	WSLX 91.1 WPLR 99.1
Fremont	KOHL 89.3	Sacramento	KCTC 96.1 KXPR 88.9	Yuba City Yemno	KXEZ 103.9 KRXV 98.1	New London	WYBC-FM 94.3 WYTD 100.9
Fresno	KFRY 101.9 KKDJ 105.9		KYDS 91.5 KAER 92.5	COLOR	RADO	Norwaik	WCNI 91.5 WNLK-FM 95.9
	KFIG 101.1 KFCF 88.1		KEBR 100.5 KEWT 105.1	Alamosa	KASF 90.9	Norwich Somers	WCTY 97.7 WDJW 89.7
	KFYE 93.7 KKNU 102.7		KWOD 106.5	Aspen	KALQ-FM 93.5 KSPN 97.7	Stamford Storrs	WSTC-FM 96.7 WHUS-FM 91,7
	KMJ-FM 97.9 KSJV 91.5		KROY-FM 96.9 KXOA-FM 107.9	Burlington Boulder	KNAB-FM 104.1 KGNU 88.5	Wallingford Waterbury	WWEB 89.9 WWYZ 92.5
	KYNO-FM 95.5 KVPR-FM 89.3		KYDS 91.5 KZAP 98.5	boulder	KBCO 97.3		WIOF 104.1 WWUH 91.3
Garden Grove Gilroy	KORJ 94.3 KFAT 94.3	St. Helena Salinas	KVYN 99.3 KDON 102.5	Breckenridge	KBVL 94.7 KLGT 102.3	W. Hartford West Haven	WNHU 88.7
Glendale	KUTE 101.9 KKYS 107.5		KRAY-FM 103.9 KWYT-FM 100.7	Brookfleid Burlington	WRKI 95.1 KNAB-FM 104.1	Westport	WDJF 107.9 WWPT 90.3
Hanford	KIOY 102.7	Sailnas-Monterey San Bernadino	KRSA-FM 100.7 KVCR 91.9	Canon City Castle Rock	KSTX 103.9 KRKY 92.1	Willmantic	WECS 90.1
Healdsburg Hemet	KREO 92.9 KHYE 105.5	Can Cannadillo	KOLA 99.9 KOLH 95.1	Colorado Springa	KRCC 91.5 KEPC 90.5	DELA	WARE
Hollister Hoopa	KHIP 93.5 KIDE 91.3	San Clemente	KWVE 107.9 KFMB-FM 100.7		KKFM 96.5 KSZP 92.9	Bethany Beach	WWTR-FM 95.5 WDSD 94.7
Imperial Indio	KOZN 99.3 KCMS 103.1	San Diego	KFSD-FM 94.1 KITT 105.3		KILO 93.9 KRDO-FM 95.1	Dover Georgetown	WSEA 93.5
Inglewood Irvine	KACE 103.9 KUCI 89.9		KGB-FM 101.5		KKCS-FM 101.9 KYRT-FM 101.9	Hockessin Milford	WZZE 88.7 WAFL-FM 97.7
Jackson La Canada	KNGT 94.3 KUNF 88.9		KIFM 98.1 KBZT 94.9	Cortez	KISZ 97.9 KRAI-FM 93.7	Newark Rehoboth Beach	WXDR 91.3 WGMD 92.7
Lake Arrowhead Lancaster	KBON 103.9 KOTE 106.3		KJQY 103.7 KEZL 102.9	Craig Delta	KDTA-FM 95.3	Seaford Wilmington	WSUX-FM 96.3 WMPH 91.7
Lemoore	KQIQ-FM 104.9 KKIQ 101.7		KPRI 106.5 KPBS-FM 89.5	Denver	KADX 105.1 KCFR 90.1		WJBR-FM 99.5 WSTW 93.7
Fodi	KWIN 97.7 KCVR Radio		KSDS 88.3 KSON-FM 97.3		KYGO 98.5 KLIR-FM 100.3		
Lompoc	KLPC-FM 92.7	San Fernando	KYXY 96.5 KGIL-FM 95.3		KLZ-FM 106.7 KHOW-FM 95.7	1	C.
Long Beach	KRQK 100.9 KLON 88.1	San Francisco	KALW 91.7 KMPX 98.9		KHOW-FM 95.7 KOAQ 103.5	Washington.	WASH 97.1 WAMU-FM 88.5
	KNOB 97.9 KPEN 97.7		KDFC 102.1		KOSI-FM 101.1 KBPI 105.9		WETA-FM 90.9 WGAY-FM 99.5
Los Altos	KSUL 90.1 KFJC 89.7		KCBS-FM 97.3 KFOG 104.5		WHUM 89.3 KVOD 99.5	_	WDCU 90.1 WGMS-FM 103.5
Los Angeles	KPEN 97.7 KLOS 95.5		KMEL 106.1 KIOI 101.3	Durang	KAZY 106.7 KRSJ 101.5		WGTB 90.1 WMAL-FM 107.3
200 / 11/19/100	KKGO 105.1 KFSG 96.3		KYUU 99.5 KEAR 106.9	Durango	KDUR 91.9		WMZQ 98.7 WKYS 93.9
	KFAC-FM 92.3		KPOO 89.5 KQED-FM 88.5	Ft, Collins	KCSU-FM 90.9 KTCL 93.3		WHUR 96.3
	KIQQ 100.3 KHTZ 97.1		KSAN 94.9 KOIT 96.5	Fort Morgan	KCOL-FM 107.9 KBRU 101.7		WPFW-FM 89.3
	KRTH 101.1 KJOI 98.7		KSFX 103.3	Glenwood Springs Grand Junction	KMTS 92.7 KREX-FM 92.3	FLO	RIDA
	KIIS-FM 102.7 KMET 94.7		KUSF 90.3 KABL-FM 98.1	Grand punction	KQIX 93.1 KCIC 88.5	Apopka Arcadia	WTLN-FM 95.3 WOKD-FM 98.3
	KNX-FM 93.1) N	KKHI-FM 95.7 KYA-FM 93.3	0	KMSA 91.3	Atlantic Beach	WFYU 104.5 WSWN-FM 93.5
	KOST 103.5 KPFK 90.7 KZLA-FM 93.9	San Jose	KSJO 92.3 KBAY 100.3	Greeley	KUNC-FM 91.3 KGRE 92.3	Belle Glade Big Pine Key	WWUS 93.5
	KLVE 107.5 KWST 105.9		KEZR 106.5 KOME 98.5	Gunnison	KFKZ 96.1 KSWB-FM 91.9	Blountstown Boca Raton	WRTM 102.3 WKQS 99.9
					KVLE 102.3	Boynton Beach	WHRS 90.7
	KXLU 88.9 KBIG 104.3		KSJS 90.7 KLEL 89.3	1	KGUC-FM 98.3 KSUT 91.3	Bradenton	WRMB 89.3 WDUV 103.3

Location	Call	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MH
Clearwater- St. Petersburg	wa	XM 97.9	Sebring Starke	WSKP-FM WPXE-FM		Statesboro		D 100.1 S 107.7		WE	M 99 JP 97
Clewiston	WC	OKF 95.7 FC 106.3	Stuart	WRIT	92.7	Swalnsboro	WJAT-I	FM 98.3			OP 97
Сосов		EZY 99.3	Tallahassee	WGLF WFSU-FN	104.1	Thomasville	WTHO	F 107.1		WJE	Z 104
Cocoa Beach	WCI	(S 101.1		WBGM-FN	98.9	Thomson Tifton	WTHO-FI WABR-F	FM 90.5		WGC	(C 89
Coral Gables		M 104.1 DR 105.1		WLVN WAMF	94.9		wcu	P 100.3	i	WF	I 107 AT 98
	WV	UM 90.5		WOWD		Toccoa Toccoa Falls	WLET-FI	M 106.1 AF 90.9			R 103 X 101
Crestview Crystal River		M 104.9	T	WAMF	90.5	Valdosta	WGOV-F	FM 92.9	1	WMBI-F	M 90
Daytona Beach		YO 98.5 NJ 94.5	Tampa	WJYW WFLA-FM		Vidalia		CQ 97.7 VS 89.9		WN	IB 97
	WDC	Q 101.9		WYNF	94.9	1		T 101.1	1	WLA	RT 93
	WMFJ-F	M 101.9 /LV 94.5		WEZX WMNF	104.7	Warner Robin	WLGA-F	M 95.9		WLU	W 88
DeFuniak Springs	WQU	H 103.1		WUSF	89.7	Washington	WLOV -FI				IC 88
DeLand Dunnellon	WELE-F	M 105.9 M 102.3	Venice	WPIO WAMR-FM	89.9	Waycross	WACL-FI	W 103.3	Chillicothe	WC	LL 94
ort Lauderdale	WA	FG 90.3	Vero Beach	WAVW		Waynesboro	WLT	E 102.5 A 100.9	Clinton Columbia	WHOW-F	
		Z 106.7		WGYL	93.5	W. Point	WCJ	W 100.9	Crest Hill	wcc	Q 98
		Y 105.9 Y 101.7	West Palm Beach	WEAT-FM WIRK-FM	104.5	Wrens	WR	¥Z 96.7	Crete	WTA	S 102
	WSF	IE 103.5		WNGS	92.1		IAWAII		Danville	WMB	J 102 Al 99
t. Myers	WINK-	FM 96.9 W 101.9	Winter Haven-Lak		07.5		AWAII		Decatur	WSOY-FA	A 102
	WS	OR 95.3	Winter Park	WHFL WPRK		Hilo		G 97.9			U 89
I. Pierce	WI	ZD 98.7		WLOQ	103.1	Honolulu	KFS KAIM-F	H 97.1	Dekalb	WNIO-F	Q 95 M 89
	WO	VV 95.5 CS 88.3		WPFL	88.9	Honorala		M 93.5		WDE	K 92
. Walton Beach	WF.	TW 99.3	GEO	RGIA		1	KUMU-F	M 94.7	Des Pialnes Dixon-FM	WYEN	
ainesville	WRUF-F	M 103.7					KPI	IG 93.9 IQ 93.1	Downers Grove	WDGC-F	101 M 88
	WUFT-	/L 105.5 FM 89.1	Adel Albany	WDDQ WGPC-FM	92.1		KGM	Q 93.1	Dundee	WCRM	1 103
	WG	LY 98.3	alson)	WJIZ	96.3		KDL	JK 97.5	DuQuoin East Moline	WDQN-F WZZ (
reen Cove Spring laleah	as WK	UE 92.7	Amada	WWXW	101.7			UI 93.9 PR 88.1	1	WDLM-F	M 89
oliday	WCMQ-	FM 92.1 S 106.3	Americus	WPUR	94.3		KTU	IH 90.3	E. St. Louis	WMR	101
nmokallee	WLI	EQ 95.9	Athens	WNGC	95.5	Kellua Lihue		E 96.3	Edwardsville Effingham	WCRC-F	E 88
cksonville	WJAX-I	FM 95.1 AM 91.1		WAGQ	104.7			D 92.7 OY 93.5	Eldorado	WKS	1 102
	WQIK-	FM 99.1	Atlanta	WUOG	90.5	Makawao	K	VIB94.3	Elgin	WEP	\$ 90
	WIVY-F	M 102.9		WVEE	103.3	Walluku Walpahu		OI 95.1 A 92.3	Elmhurst	WRSE-F	L 94 M 88
	WKTZ-I	E 107.3 FM 96.1		WZGC WKLS-FM			KUL	.m 32.3	Elmwood Park	WXFN	105
	WA	IV 96.9		WRLS-PM WRAS		1	DAHO		Elsah Evanston	WTP	C 89
	WAIV-	M 96.9		WREK	91.1	Blackfoot				WNU	A 89
	WYFL-I	FM 89.1		WCLK WSB-FM	91.9	Blackfoot Boise	KBLI-F KBOI-F		Fairfield Flora	WFIW-FN	104
piter	wc	EZ: 96.7		WLTA	99.7		KBBK-F	M 92.3	Flossmoor	WNO WHF	H 88
y West	WFYN-I	M 92.5 FK 95.5	Augusta	WYMX-FM				U 90.1	Freeport	WXX	Q 98
	WII	S 107.1		WACG-FM WBBQ-FM	104.3		KJOT	104.3 1 105.1	Galesburg	WVK	C 90
Belle ike City	WVF	IG 92.1		WGUS-FM 1	102.3	Burley	KMV	C 98.3		WGB	Q 92.
keland	WVF	Q 94.3 M 94.1	Bainbridge	WZZW 1 WJAD	97 3	Caldwell Coeur d'Alene	KBXL-F	M 94.1 103.1	Canasa	WGIL-F	M 94
	WCIE-F	M 91.3	Blackshear	WKUB 1	104.9	Emmett	KMFE	101.7	Geneseo	WRSQ-FM WDC	104. B 90
kewood esburg	WBLE-F	IE 91.3	Blue Ridge Brunswick	WPPL 1	103.9	Grangeville	KORT-F	M 92.7	Glen Ellyn	WGH	5 88
	WHL	Y 106.7	DI BUSWICK	WSBI-FM 1		Idaho Falls	KID-F	M 96.1 M 99.1	Glenview	WDC	B 90.
high Acres	WSW	F 107.1	Buford	WGCO 1	02.3		KIB	Q 91.9	Godfrey	WMW	A 88
acClenny		1L 98.1 (F 92.1	Camille Canton	WEBI 1		Jerome Lewiston	KFM KOZE-F	A 92.7 M 96.7	Granite City	WWWK	106
arathon	WMU	M 94.3	Carroliton	WOTR-FM				M 96.7 S 89.1	Greenville Hardsburg	WGR	N 89. Q 99.
erianna elbourne	WJAC	100.9 L 102.3		WWGC	89.3	Moscow	KUI	D 91.7	Havana	WDU	K 99.
	WTAI-FR	A 107.1	Chatsworth Claxton	WCLA-FM 1	99.3		KUOI-FI KRPL-FM		Highland Park Hinsdale	WVVX-FM	103.
	WCI	F 106.3	Cochran	WVMG-FM	96.7	Mountain Hon	ie KQK	Z 99.3	Hoopeston	WHS	100
ami	WF	IT 91.5 WI 93.1	Columbus	WYOC 1	02.9	Nampa	KFXD-FI	M 94.9 Z 96.9	Jacksonville	WEAL	100.
	WQBA-FR	A 107.5		WFXE 1	04.9	Orofino	KLER-FI	M 95.3	Jerseyville Joilei	WJBM-FM WLLI-FI	
	WDN	A 88.9 A 97.3	Cordele	WFAV	98.3	Payette	KWBJ	100.1		WAJ	P 93.
	WLY	F 101.5	Cornelia Dawson	WCON-FM WDWD-FM	99.3	Pocatello	KBG KSNN-FI	L 88.7	Kankaee	WBY	G 99.
	WMC	U 89.7		WHIA	92.1		KSI	H 94.9	Kewanee	WKO: WKEI-FI	
	WSDC WM.	0 106.7 IX 96.3	Decatur Donalsonville	WPCH WGMK 1		Rexburg		104.9	LaGrange	WLT	L 88.
	WLRN-F	M 91.3	Douglas	WOKA-FM		, , , , , , , , , , , , , , , , , , ,	KAD	C 90.1 Q 94.3	Lake Forest Lansing	WLNR-FM	
mi Beach		R 99.1		WDMG-FM	99.5	Duna-t	KKQ	T 98.3	LaSalle	WAJ	K 99.
	WOCN-F	M 94.9	Dublin	WQZY		Rupert Salmon	KSRA-FI	Q 92.1 M 92.7	Lawrenceville	WAKO-FM	103.
ton	WXBM-FN	102.3	Eastman	WUFF-FM	92.1	Sandpoint	KPNI	D 95.3	Le Roy LeRoy	WML.	A 89.
Dora	WORJ-FN	F 88.1	Elberton Forsyth	WWRK	92.1	Sun Valley Twin Falls	KSKI-FI	W 93.5	Lincoln	WML	C 88.
oles	WNF	M 94.5	Galnesville	WFNE WWID 1	06.7	· · · · · · · · · · · · · · · · · · ·		V 96.5 J 95.7		WPRC	C 91.
	WSG	L 97.7		WFOX	97.1				Litchfield	WSMI-FM	106.
les-Ft. Meyers	WCV	U 94.5	Glenville Gordon	WKIG-FM 1		IL	LINOIS		Lockport Loves Park	WLR	A 88.
Port Richey	WPSO	105.5	Greensboro	WGRG 1	03.9	Aledo	WRMJ		Macomb	WLUV-FR WIU	96. 4 91
	WMF	Z 93.7 Q 92.7	Griffin Hawkinsville	WKEU-FM S	97.7	Aiton	WZEN			WJEQ	1-3.
echobee	WMLC	103.1	Hazlehurst	WVOH-FM 9	93.5	Anna Arlington Heig	WRAJ-FA		Marion	WKAI-FM WDDD	100.
endo	WDBO-FI	M 92.3	Homerville Jackson	WBTY 10	05.5	•	WFV	H 88.3		WLK	L 90.
	WGAG-FI	W 89.3	Jackson Jesup	WJGA-FM S	05.5	Aurora	WKKD-FA WAUR	A 95.9	Mattoon Mendota	WLBH-FN	4 96.
	WHOO-FI	W 96.5		WSOJ-FM 9	98.3	Barrington	WBPF	88.5	Moline	WGLC-FM WXLI	100. 96
	WKIS-FM WBJW	105.1	La Grange Louisville	WWCG 10	04.1	Beardstown	WRMS-FN	A 94.3	Monmouth	WDR	L 97.
	WUCF-FI	M 89.9	Macon	WCRY-FM 1		Belleville Belvidere	WBCE WKWL		Monticello Morris	WVLJ WCSJ-FM	105.
itka	WFTI WIYD-FI	J 89.8		WDEN-FM 10	9.3		WYBR-FM	104.9		WTAZ	102.
m Beach	WJNO-F	W 97.9	Manchester	WMAZ-FM 9		Benton Bloomington	WQXR WESN		Morrison Morton	WMH! WTAZ	90.
ama City	WONE		Marletta	WBIE 10	1.5	Bloomington-N	formal	1	Mt. Carmei	WYER-FN	
	WGNE-FR	4 90.7	McRae Metter	WDAX-FM 9			WBNQ			WVJC-FN	1 89.
****	WPAP-FR	4 92.5		WMVG-FM 10	2.3	Cahokia Canton	WBYS-FN	89.5 98.5	Mt. Vernon Murphysboro	WMIX-FN WTAO	
sacola	WOWW	107.3 Z 94.1	Moultrie	WXGC 8	8.9	Carbondale	WSIL	J 91.9	Naperville	WONG	89.
	WJIQ	100.7	Newnan	WMTM-FM 9	6.7	Cartinville	WCIL-FM WIR	101.5 91.1	Normal	WGLT	89.
	WBOP-FM	101.5	Perry	WPGA-FM 10	Ю.9	Carmi	WRUL	. 97.3	Oak Park	WGLD-FM	
tation Key	WXOS	5 89.3 100.3	Rockmart Rome	WZOT 10 WQTU 10	7.1	Carthage	WCAZ-FM	92.1	Oiney	WSE	92.9
npano Beach	WCKO	102.7	Home	WROM-FM 9	7.7	Centralia	WRXX WBGL	95.3	Ottawa Pana	WRK)	95.3
t Charlotte t St. Joe	WEEJ	100.1	Dean/III-	WKCX 9	7.7	Champaign	WDWS-FM	97.5	Paris Paris	WKXK	98
ta Gorda	WGCW WQLM-FN	93.5	Rossville Sandersville	WOWE 10 WSNT-FM 9	5.5		WEFT	90.1	Park Forest	WRHS	88.1
ncy	WWSD	101.7	Savannah	WTOC-FM 9	4.1		WLRW		Park Ridge Pekin	WMTH	
era Beach Inton Beach	KINW	94.3		WZAT 10	2.1	Charleston	WEIC-FM	92.1		WKQA	104.9
Augustine	WFOY-FM	97.7		WHCJ 8 WJCL-FM 9	8.5	Chicago	WSSD	88.1	Peorla	WKZW	93.3
Petersburg	WKES	101.5		WEAS-FM 9	3.1		WBBN-FM WBEZ	96.3		WCBU	89.9
	WQYK-FM	99.5		WSGF-FM 9	5.5		WBHI	88.5		WWCT	
u		107.3		WXLM 9			WCYC	88.7	Peru		
sota	WSRZ WSPB-FM	102.5		WAEV 9	7.3		WZRD	99 2	Pittsfield	WBBA-FM	100.5

U.S. F	M STATIO	NS BY LO	DCATION				
Location	Call MHz	Location	Call MHz	Location	Call MHz	Location	Call MHz
Princeton	WZOE-FM 98.3		WZWZ 93.5 WKMO 93.5	Fort Madison	KICB 88.1 KBKB-FM 101.7		KWKS 105.5
Quincy	WGEM-FM 105.1 WWQC 90.3	Lalayette	WASK-FM 105.3 WAZY-FM 96.5	Grinnell Hampton	KDIC 88.5 KQHJN 104.9	KENT	UCKY
Rantoul	WQCY 99.5 WRTL-FM 95.3		WJJE 91.9	Harlan	KNOD 105.5	Albany	WANY-FM 106.3
River Grove Robinson	WRRG 88.9 WTAY-FM 101.7	La Porte	WXUS 92.7 WLOI-FM 96.7	Humboldt Independence	KHBT 97.7 KOUR-FM 95.3	Ashland Barbourville	WAMX 93.7 WYWY-FM 93.5
Rochelle	WRHL-FM 102.3	Lebanon Linton	WNON 100.9 WQTY-FM 93.5	Iowa City	KSUI 91.7 KRNA 93.5	Bardstown	WDKH 96.7 WLJC 102.3
Rockford	WZOK 97.5 WQFL 100.9	Logansport	WSAL-FM 102.3	F-11-	KKRQ 100.7	Beattyville Beaver Dam	WLLS-FM 106.3
Rock Island	WHBF-FM 98.9 WVIK 90.1	Lowell Madison	WLCL-FM 107.1 WORX-FM 96.7	lowa Falls Keokuk	KIFG-FM 95.3 KIMI 95.3	Benton Bowling Green	WCBL-FM 102.3 WLBJ-FM 96.7
Salem	WJBD-FM 100.1	Marion Martinsville	WMRI 106.9 WCBK-FM 102.3	Knoxville	KRLS 92.1 KTAV 92.1	•	WDNS 98.3 WKYU-FM 88.9
Savanna Shelbyville	WCCI 100.1 WSHY-FM 104.9	Michigan City	WMCB-FM 95.9	LeMars	KLEM-FM 99.5 KMAQ-FM 95.3	Brandensburg	WMMG 93.5
S. Belolt	WCLR 101.9 WRWC 103.1	Monticello Muncie	WVTL 95.3 WLBC-FM 104.1	Maquoketa Marshalltown	KFJB 101.1	Cadiz Campbellsville	WKDZ-FM 106.3 WTCO-FM 103.9
South Bend Springfield	WWJY 100.5 WDBR 103.7		WBST 92.1 WWDS 90.5	Mason City	KLSS 106.1 KCMR 98.3	Carrollton	WCKQ-FM 103.9 WIKI 100.1
Springhera	WQNA 89.9	A16	WWHI 91.5 WNAS 88.1	Mount Pleasant Mt. Vernon	KILJ 105.5 KRNL-FM 89.7	Catlettsburg	WCAK 92.9
	WFMB 104.5 WNNS 98.7	New Albany New Castle	WMDH 102.5	Muscatine	KFMH 99.7	Central City Columbia	WNES-FM 101.9 WAIN-FM 93.5
	WVEM 101.9 WQNA 89.9	N. Manchester North Vernon	WBKE-FM 89.5 WOCH-FM 106.1	Newton Oelwein	KLVN 95.9 KOEL-FM 92.3	Corbin	WCTT-FM 107.1 WYGO-FM 99.3
Charling	WSSR 91.9	Notre Dame Paoli	WSND-FM 88.9 WUME-FM 95.3	Oskaloosa	KBOE-FM 104.9 KIGC 88.7	Cythlana	WCYN-FM 102.3
Sterling Streator	WVJM 94.3 WLAX 97.7	Pendleton	WEEM 91.7	Ottumwa	KLEE-FM 97.7 KCUI 89.1	Danville Elizabethtown	WMGE 107.1 WQXE 106.3
Sullivan Summit	WSAK 106.3 WARG 88.9	Peru Plainfield	WARU-FM 98.3 WART 98.3	Pella	KPLL 103.3	Elkhorn City Erlanger	WECL 103.1 WHKK 100.9
Taylorville Tuscola	WEEE 92.7 WITT 93.5	Plymouth Portland	WTCA-FM 94:3 WPGW-FM 100.9	Perry Red Oak	KDLS-FM 104.9 KOAK-FM 95.3	Falmouth Ft. Campbell	WNKK 95.3 WABD-FM 107.9
Urbana	WILL-FM 90.9	Princeton	WRAY-FM 98.1 WJCK 97.7	Sheldon Sloux Center	KIWA-FM 105.5 KDCR 91.3	Ft. Knox	WWKK 105.5
	WPGU 107.1 WKIO 103.9	Rensselaer	WPUM 90.5		KVDB-FM 94.3	Frankfort * Fulton	WKYW 104.9 WFUL-FM 99.7
Vandalla Watskea	KWKRV 107.1 WGFA-FM 94.1	Richmond	WQLK 96.1 WECI 91.5	Sloux City	KSEZ 97.9 KBCM 95.5	Georgetown Glasgow	WAXU 103.1 WGGC 95.1
Waukegan	WXLC 102.3	Rochester	WRIA 101.3 WROI 92.1		KMSC 88.3 KTFC 103.3		WOVO 105.5
W. Frankfurt Wheaton	WFRX-FM 97.7 WETN 88.1	Rochester Rockville	WAXI 104.9	Spenser	KWIT 90.3 KICD-FM 107.7	Grayson	WKCC 91.5
Wilmington Winnebago	WLMT 105.5 WYFE-FM 95.3	Rushville Salem	WRCR 94.3 WSLM-FM 98.9	Spencer	KRGS 104.9	Greensburg Hardinsburg	WGRK-FM 103.1 WHIC-FM 94.3
Winnetka Woodstock	WNTH 88.1 WSTK 105.5	Scottsburg Seymour	WMPI 100.9 WJCD-FM 93.7	Storm Lake Twin Lakes	KAYL-FM 101.5 KTLB-FM 105.5	Harrodsburg Hartford	WHBN-FM 99.3 WLLS-FM 106.3
Zion	WKZN-FM 96.9	Shelbyville	WSVL-FM 97.1	Washington Waterloo	KCH-FM 95.3 KBBG 88.1	Hazard	WSGS 101.5
IND	IANA	South Bend	WETL 91.9 WHME 103.1	** aleriou	KNWS-FM 101.9	Henderson	WQDC 99.5 WHKC 103.1
			WNDU-FM 92.9 WRBR 103.9		KFMW 107.9 KCNB 105.7	Hindman Hodgenville-Eliza	WKCB-FM 107.1
Alexandria Anderson	WAXT 96.7 WLHN 97.9	Sullivan	WSBT-FM 101.5 WNDI-FM 95.3	Waukon Waverly	KNEI-FM 103.9 KWAR 89.1		WKMO 106.3
Angola	WLKI 100.1 WEAX 88.3	Terre Haute	WTHI-FM 99.9		KWAY-FM 99:3 KQWX-FM 95.9	Hopkinsville	WHOP-FM 98.7 WKOA-FM 100.3
Auburn	WIFF-FM 105.5		WBOQ 107.5 WBOW 107.5	Webster City West Des Moines		Jackson Jamestown	WJSN-FM 97.7 WJRS 104.9
Aurora Batesville	WSCH 99.3 WRBI 103.9		WPFR 102.7 WVTS 100.7			Jeffersontown	WZZX 101.7 WREM-FM 94.3
Bedford Bloomington	WBIF 105.5 WBWB 96.7	V-: :	WISU 89.7	KAI	NSAS	Jenkins Lebanon	WLSK 100.9
T. T. Striit glott	WFIU 103.7	Valparaiso	WLJE 105.5 WVUR 89.5	Abilene Arkansas City	KABI-FM 98.3 KBUZ 106.5	Leitchfield Lexington	WMTL-FM 104.9 WBKY 91.3
Bluffton	WGTC 92.3 WCRD 100.1	Vevay Vincennes	WAVV 95.9 WRTBM 96.7	Baldwin	KNBU 92.5		WLAP-FM 94.5 WKOQ 98.1
Boonville Brazil	WBNL-FM 107.1 WBDJ-FM 97.7		WVUB 91.1	Baxter Springs Chanute	KBLT 107.1 KQSM 105.5	116	WVLK-FM 92.9
Carmel	WHOE 91.3	Wabash Warsaw	WKUZ 95.9 WRSW-FM 107.3	Clay Center Colby	KCLY 100.9 KXXX 100.3	Liberty London	WKDO-FM 105.5 WWEL 103.9
Chesterton Clinton	WDSO 89.1 WAXI 104.9	Washington W. Terre Haute	WFML 106.5 WW VR 105.5		KTCC 91.9 KCKS 95.3	Louisville	WFPK 91.9 WFPL 89.3
Columbia City Columbus	WFDT 106.3 WCSI-FM 101.5	Winchester	WIUC 98.3	Concordia	KVCO 88.3		WXLN 103.9
	WWWY 104.9 WCNB-FM 100.3	10	WA	Derby Dodge City	KGCS 95.9 KDCK 95.5		WAMZ 97.5 WKJJ-FM 99.7
Connersville Crawfordsville	WNDY 106.3		KLGA-FM 92.7	-9,	KINF 91.9 KTTL 93.9		WVEZ 106.9 WLRS 102.3
Crown Point	WLFQ 103.9 WFLM 103.9	Algona Ames	KCCQ 107.1	El Dorado	KOYY-FM 99.3	MadisonvIllè	WUOL 90.5 WKTG 93.9
Danville Decatur	WGRT 107.1 WADM-FM 92.7		WOI-FM 90.1 KLFM 104.1	Emporia Fort Scott	KLRF 104.9 KOMB 103.9		WSOF-FM 89.9
Elkhart	WYEZ 100.7	Ankeny	KPGY 91.5 KANY 106.3	Garden City	KBUF-FM 97.3 KANZ 91.1	Manchester Mayfield	WWXL-FM 103.1 WXID 94.7
	WFRN 104.7 WVPE 88.1	Atlantic	KJAN-FM 103.7	Great Bend	KBJC 91.9	Maysville Middlesboro	WFTM-FM 95.9 WMIK-FM 92.7
Elwood Evansville	WBMP 101.7 WIKY 104.1	Boone	KFGO 99.3 KWBG-FM 98.3	Hays	KVGB-FM 104.3 KJLS 103.3	Monticello	WFLW-FM 101.7 WMOR-FM 92.1
Country	WUEV 91.5 WPSR 90.7	Burlington	KBUR-FM 107.3 KGRS 107.3	Hiawatha Hilisboro	KNZA 103.9 KHHS 88.1	Morehead	WMKY 90.3
	WNIN-FM 88.3	Carroll	KKRL 93.7	Hoisington	KHOK 100.9 KSKU 102.1	Morganfield Mt. Sterling	WMSK-FM 95.3 WMST-FM 105.5
Fort Wayne	WVHI 105.3 WPTH 95.1	Cedar Falls	KHKE 88.1 KUNI 90.9	Hutchinson	KHCC-FM 90.1	Munfordville	WLOC-FM 102.3 WAWW 103.7
	WIPU 89.1 WBCL 90.3	Cedar Rapids	KHAK-FM 98.1 KCOE-FM 90.9	Independence	KHUT 102.9 KIND-FM 101.7	Murray	WKMS-FM 91.3
	WEZV 101.7		KOJC 89.7 KCCK-FM 88.3	tola Junction City	KIOL 99.3 KJCK-FM 94.5	Owensboro	WBKR 92.5 WSTO 98.1
	WLHI 88.3 WMEE 97.3		KWMR 88.9 WMT-FM 96.5	Kansas City	KUDL 98.1 KCKN-FM 94.1	Paducah	WDDJ-FM 96.9 WKYX-FM 93.3
	WXKE-FM 103.9 WIFN 95.9		KQCR 102.9	Larned	KANS-FM 96.7	Paintsville Paris	WSIP-FM 98.9 WBGR-FM 96.7
Eng-black	WBCL 90.3 WILO-FM 99.7	Centerville	KTOF 104.5 KMGO 98.7	Lawrence	KANU 91.5 KLZR 105.9	Paris Pikeville	WKHR 92.1
Frankfort Franklin	WFCI 89.5	Charles City	KCHA-FM 104.9 KYRS 105.5	Leavenworth	KJHK 90.7 KTRO 98.9	Pineville Prestonburg	WTJM 106.3 WDOC-FM 95.5
Gary Gaston	WGVE 88.7 WDHS 90.9	Chariton Cherokee	KCHE-FM 102.3	Liberal	KEZS 105.5	Princeton	WPRT-FM 105.5 WPKY-FM 104.9
Goshen	WGCS 91.1 WZOW 97.7	Clarinda Clarion	KQWI 106.3 KRIT 96.9	Lyons	KSLS 99.3 KLOQ 106.1	Providence	WHRZ 97.7
Greencastle	WGRE 91.7	Clear Lake Clinton	KZEV 103.1 KSAY 96.1	Manhatten Marysville	KMKF 101.7 KNDY-FM 103.1	Richmond	WEKU-FM 88.9 WCBR-FM 101.7
Greenfield	WJNZ 94.3 WWFM 99.5	Ciinon	KCLN-FM 97.7	McPherson	KNEX-FM 96.7	Russellville	WRZE 101.7 WAKQ 101.1
Greensburg Hammond	WTRE-FM 107.3 WYCA 92.3	Council Bluffs	KNJY 97.7 KQKQ-FM 98.5	Newton	KJRG 92.3 KOEZ 92.3	St. Matthews Scottsville	WNUU 103.1 WLCK-FM 99.3
Hartford City	WWHC 104.9 WHWE 89.7	Creston Davenport	KITR 101.7 KIIK 103.7	Oberlin Ottawa	KFNF 101.1 KKKX 95.7	Somerset	WSEK 96.7
Howe Huntingburg	WBDC 100.9		KALA 88.5 KWNT-FM 106.5	Parsons	KPPS-FM 91.1 KLKC-FM 93.5	Stanford	WSCC 90.7 WRSL-FM 95.9
Huntington	WVSH 91.9 WHUZ 103.1	Decorah	KLCD 89.5	Pittsburg	KMRJ 96.9	Stanton Tompkinsville	WSKV 104.9 WTKY-FM 92.1
Indianapoils	WAJC 104.5 WBDG 90.9	Denison Des Moines	KDSN-FM 107.1 KDPS 88.1	Pratt Russell	KWLS-FM 93.1 KRSL-FM 95.9	Versailles	WIMM 106.3
	WJEL 89.1		KDMI 97.3 KKYF 100.3	Salina	KSKG 99.9 KYEZ 93.7	Whitesburg Winchester	WXKQ 103.9 WKDJ 100.1
	WEDM 91.1 WICR 88.7		KGGO 94.9	Scott City	KULL 94.5		ISIANA
	WFBQ 94.7 WFMS 95.5		KRNQ 102.5 KIOA-FM 93.3	Topeka	KDVV 100.3 KSWT 93.7		
l .	WXTZ 103.3	Dubuque	KMGK 93.3 WDBQ-FM 105.3		WIBW-FM 97.3 KTPK 106.9	Abbeviile Alexandria	KROF-FM 104.9 KSLI 96.9
	WIAN 90.1 WNAP 93.1	conodus	KLXL 102.3 KFMD 92.9	Wellington	KZED 93.5 KBRA 97.9		KTIZ 96.9 KRRV 100.3
	WRFT 91.5 WTLC-FM 105.7	Emmetsburg	KEMB 98.3	Wichita	KDSA 91.1	D. A.	KQID 93.1
Jasper	WITZ-FM 104.7 WQHI 95.7	Estherville Fairfield	KILR-FM 95.9 KBCT 95.9		KARD-FM 107.3 KEYN-FM 103.7	Bastrop	KTRY-FM 94.3 KJBS 100.1
Jeffersonville Kendalville	WAWK-FM 95.3	Forest City	KIOW 102.3 KKEZ 94.5		KFDL 101.3 KMUW 89.1	Baton Rouge	WFMF 102.5 WAFB-FM 98.1
Knox Kokomo	WKVI-FM 99.3 WHSK 89.1	Ft. Dodge	KSMX 92.1	W. a.i.	KICT 95.1		WPRG 89.1 WQXY-FM 100.7
	WWKI 100.5	1	KTPR 91.1	i Winfield	KSWC 88.3		11 VIA 1*FM 100.7

Location	Call MHz	Location	Call MHz	Location	Call MHz	Location	Call M
	WYNK-FM 101.5 WRKF 89.3		WUPI 91.1 WELF 101.7	Milton	WMLN-FM 91.5	0:4:	WWRM 10
	WBRH 90.1	V.	WMEM-FM 106.1	New Bedford-Fal	WJFD-FM 97.3	Gladwin Grand Haven	WGMM 10 WFMG 9
Bayou Vista Columbia	KQKI-FM 95.3 KCTO-FM 103.1	Rockland	WTMS 96.1	N	WMYS 98.1	Grand Rapids	WFUR-FM 10
Crowley	KAJN 102.9	Rockland Rumford	WMCM-FM 93.5 WRUM-FM 96.3	Newbury Newton	WQLI 88.7		WCSG 9
DeRidder	KEAZ 101.7	Sanford	WSME-FM 92.1	Newton North Adams	WZBC 90.3 WMNB-FM 100.1		WGRD-FM 9 WJFM 9
onaldsonville armersville	KSMI-FM 104.9	Scarborough	WJBQ-FM 106.3		WJJW 91.1	1	WLAV-FM 9
armersville erriday	KWJM 92.7 KFNV-FM 93.5	Skowhegan Springvale	WTOS-FM 107.1 WNCY 91.1	North Andover	WMMC 90.5	1	WCUZ-FM 10
ranklin	KFRA-FM 95.3	Waterville	WTVL-FM 98.3	Northampton North Dartmouth	WHMP-FM 99.3 WUSM 91.1		WFFX 10
olden Meadow	KZZQ 94.3		WMHB 91.5	Orleans	WKZE-FM 104.7		WVGR 10
irambling ireenwall Spring	KGRM 91.3 WRKF 89.3	Westbrook	WLDB-FM 100.9	Pittsfield	WBEC-FM 105.5		WZZR-FM 9
lammond	WTGI 103.3	MARY	/I AND		WUPE 95.5 WBRK-FM 101.7		WEHB 8
	WFPR-FM 107.1	MAKI	LAND		WTBR-FM 89.5	Grayling	WOON 10
	KSLU 90.9 WHMD 107.1	Annapolis	WNAV-FM 99.1	Plymouth	WPLM-FM 99.1	Greenville	WPLB-FM 10
ouma	KCIL 107.1		WFSI 107.9	Rockland Salem	WRPS 91.5 WMWM 91.7	Hancock	WMPL-FM 9
	KHOM 104.1	Arnold Baltimore	WACC 89.9 WBJC 91.5	Sandwich	WSDH 91.5	Harrison Hastings	WBCH-FM 10
na ennings	KJNA 99.3 KJEF-FM 92.7	Daitimore	WXYV 102.7	Sheffield	WBSL 91.7	Highland Park	WHPR 8
nesboro	KTOC-FM 104.8		WEAA 88.9	Southbridge South Hadley	WQVR 100.1 WMHC 90.7	Hillsdale	WCSR-FM 9
layette	KRUS 88.7		WPOC 93.1 WRBS 95.1	Springfield	WHYN-FM 93.1	Holland	WJBL-FM 9 WHTC-FM 9
	KTDY 99.9 KSMB 94.5		WBAL-FM 97.9		WMAS-FM 94.7	Houghton	WGGL-FM 9
ke Charles	KLCL-FM 99.5		WBSB 104.3		WAIC 91.9 WAQY 91.5	Houghton Lake	WJGS 9
	KGRA 103.7		WLIF 101.9		WSCB 88.9	Howell Interlochen	WHMI-FM 9
ke Decider	KSNS 96.1		WLPL-FM 92.3 WMAR-FM 106.5		WNEK-FM 89.1	Iron Mountain	WJNR-FM 10
ke Providence Place	KLPL-FM 92.7 WCKW 92.3		WSPH 88.1		WTCC 90.7	Ironwood	WIMI 9
esville	KVVP 105.5	Rol Alc	WJHU 88.3	Stockbridge	WNEK-FM 97.5 WCWL 91.3		WUPM 10
	KJAE 92.7	Bel Air Bethesda	WHFC 88.1 WJMD 94.7	Sudbury	WYAJ 88.1	Jackson	WMQT 10
ansfield any	KJVC 92.7		WHFS 102.3	Taunton	WRLM 93.3	1	WJOX-FM 10
arksville	KWLV 107.1 KWLB-FM 97.7	Bladensburg	WPGC-FM 95.5	Tisbury Walpole	WVOI-FM 95.9 WSRB 91.7	Kalamazoo	WMUK 10
nden	KASO-FM 95.3	Bradbury Heights Braddock Heights	WPGC 95.5	Waltham	WBRS 91.7		WIDR 8
onroe	KMLB-FM 104.1	Diaddock neights	WZYQ-FM 103.9		WCRB 102.5		WQLR 10
	KNLU 88.1 KNOE-FM 101.9	Cambridge	WCEM-FM 106.3	Wellesley West Bernstehle	WZLY 100.1	Kalkaska	WKLT 9
	KNAN 106.1	Catonsville	WKTK 105.7	West Barnstable Westfield	WKKL 91.1 WSKB 91.5	Lansing	WJIM-FM 9 WILS-FM 10
oreauville	KLIL 92.1	College Park . Cumberland	WMUC-FM 88.1 WJSE 102.9	Weston	WRSB 88.3		WITL-FM 10
organ City itchitoches	KFXY 96.7 KDBH 97.7		WKGO 106.1	West Yarmouth	WSOX-FM 94.9	Lapeer	WTHM-FM 10
	KNWD 91.7	Easton	WEMD-FM 96.7	Williamstown Winchester	WCFM 91.9 WHSR-FM 91.9	Ludington	WKLA-FM 10
w Iberia	KDEA 99.1	Elkton Emmitsburg	WOEL-FM 88.3 WMTB-FM 89.9	Winchendon	WEAD 97.7	Marjstee Marquette	WRRK 9
w Orleans	WBSN-FM 89.1 WBYU 95.7	Federalsburg	WCTD-FM 107.1	Worcester	WAAF 107.3		WHWL 9
	WQUE 93.3	Federalsburg	WCTD-FM 107.1		WICN 90.5 WSRS 96.1	44. 1.11	WUUN 10
	WEZB 97.1	Frederick	WFRE 99.9 WWCS 106.9		WCUW 91.3	Marshall Midland	WELL-FM 10- WSVC 9
	WNOE-FM 101.1	Frostburg	WFRB-FM 105.3		WCHC 88.1	1	WRCI 9
	WRNO 99.5 WTUL 91.5	Glen Burnle	WBKZ 95.9			Monroe	WEJY 8
	WWNO 89.9	Grasonville	WAQA 103.1	MICH	HIGAN	Mount Clemens	WVMO 9
	WWOZ 90.7	Hagerstown	WWMD 104.7 WWCS 106.9			Mount Pleasant	WCMU-FM 8
	WRBH 88.3 WYLD-FM 98.5	Halfway	WQCM 96.7	Adrien	WLEN 103.9 WQTE 95.3		WCEN-FM 9
	WWL-FM 101.9	Havre De Grace	WHDG 103.7		WVAC 107.9	Municipa	WMHW-FM 9
w Roads	KQXL-FM 106.3	LaPlata-Waldort	WMSG-FM 92.1 WXTR-FM 104.1	Albion	WUFN 96.7	Munising Muskegon	WQXO-FM 98 WMUS-FM 108
kdale	KCWR 104.9	Lexington Park	WMDM-FM 97.7	Allendale Alma	WSRX 88.5		WQW Q-FM 104
k Grove pelousas	KDDI 96.7 KOGM 107.1	Ocean City	WKHI 99.9	Alma	WFYC-FM 104.9 WHSB 107.7	Muskegon Hts.	WKJR-FM 101
ston	KXKZ 107.1	Prince Frederick	WMJS 82.7	,,	WATZ-FM 93.5	Newberry Niles	WNBY-FM 9: WNIL-FM 9:
	KLPI 89.1	Princess Anne Salisbury	WOLC 102.5 WBOC-FM 104.7	Ang Ash	WCML-FM 91.7	(VIIICE	WAOR 95
reveport	KRMD-FM 101.1 KEPT 96.5		WICO-FM 94.3	Ann Arbor	WCBN 89.5 WOUM 91.7	Novi	WVOI 89
-	KMBQ 93.7	Takoma Park	WGTS-FM 91.9		WIQB 102.9	Oak Park	WOPR 90
	KSCL 91.3	Towson Waldorf	WCVT 89.7 WSMD-FM 104.1		WPAG-FM 107.1	Olivet Ontonogan	WOCR 89
	KROK 94,5	Waldon Westminster	WTTR-FM 104.1	Auburn Heights Bad Axe	WAHS 89.5	Orchard Lake	WBLD 89
dell	KCOZ 100.1 WAIL-FM 105.3	Williamsport	WYIF 95.9	Battle Creek	WLEW-FM 92.1 WKFR-FM 103.3	Owosso	WOAP-FM 103
ringhill	KTKC 92.7	Worton	WCRH 90.5 WKHS 90.5		WDFP 95.3	Petoskey	WJML-FM 98 WMBN-FM 98
lphur bodaux	KLQQ 100.9	Worton	WK 113 30.3	Bay City	WHNN 96.1	Plymouth	WSDP 88
Dogaux.	KXOR 106.3 KVFG 91.5	MASSAC	HUSETTS		WCHW-FM 91.3 WGER-FM 102.5	Port Huron	WSAQ 107
e Platte	KVPI-FM 93.5			Beaverton	WGEO-FM 97.7		WSGR-FM 91 WORW 91
Monroe	KYEA 98.3	Acton Amherst	WHAB 89.1	Benton Harbor	WHFB-FM 99.9	Royal Oak	WOAK 89
nnfield nnsboro	KVCL-FM 92.1 KCRF-FM 95.9	Annerst	WAHM 89.5 WFCR 88.5	Berrien Springs Big Rapids	WAUS 90.9 WBRN-FM 100.9	Saginaw	WKCQ 98
	1 O 111 -1 IM 33.3	And	WMUA 91.1	Birmingham	WMJC 94.7		WIOG 106 WWWS 107
MA	INE	Andover Barnstable	WPAA 91.7	Bloomfield Hills	WBFH 88.1	St. Johns	WWWS 107 WRBJ-FM 92
		Boston	WQRC 99.9 WBUR 90.9	Boyne City Cadillac	WCLX 93.5 WKJF 92.9	St. Joseph	WIRX 107
burn	WWAV 100.1		WBCN 104.1		WITW 96.7	Sandusky Sault Ste. Marle	WTGV-FM 97 WSMM 99
gusta ngor	WFAU-FM 101.3 WBGW 97.1		WBZ-FM 106.7 WHUE-FM 100.7	Caro	WIDL 104.9		WSUE-FM 101
-	WHSN 89.3		WEEI-FM 103.3	Charlevoiz Charlotte	WKHQ 105.9 WMMQ 92.7	Southfield	WSHJ 88
	WPBC 92.9		WERS 89.9	Cheboygan.	WCBY-FM 105.1	Spring Arbor Sturgis	WSAE 89
	WMEH 90.9 WWNO 89.9		WCOZ 94.5 WGBH 89.7	Clare	WRNN-FM 95.3	Tawas City	WDBI-FM 101
h	WIGY 105.9		WJIB-FM 94.9	Coldwater Dearborn	WNWN 98.5 WNIC-FM 100.3		WKJC 105
deford	WMOS 91.5		WRBB 91.7		WHFR 89.3	Three Rivers Traverse City	WLKM-FM 95 WLDR 101
octord .	WBSF 91.7 WIDE-FM 94.3	Boxford	WROR 98.5 WBNT 88.3	Detroit	WDET-FM 101.9	verse only	WNMC-FM 90
wer	WGUY-FM 100.9	Bridgewater	WBIM-FM 91.5		WLLZ 98.7 WJZZ 105.9		WCCW-FM 92
nswick	WBOR 91.1	Brockton	WMCI 90.5		WABX 99.5	Warran	WTCM-FM 103
	WBHS 91.9 WKXA-FM 98.9	Brookline-Boston	WCAV 97.7		WDRQ 93.1	Warren Waterford	WPHS 91
als	WQDY-FM 92.7	Cambridge	WBOS 92.9 WGBH-FM 89.9		WDTR 90,9 WGPR 107,5	West Branch	WBMI 105
ibou	WFST-FM 97.7		WHRB-FM 95.3		WGPR 107.5 WLDM 95.5	Whitehall	WCNF 95
er-Foxcroft worth	WDME-FM 103.1 WDEA-FM 95.7	Charlton	WMBR 88,1		WMUZ 103.5	Ypsilanti Zeeland	WEMU 88 WZND 99
mington	WUMF-FM 95.7	Charlton Concord	WBPV 90.1 WIQH 88.3		WMZK 97.9		WEND 99
_	WKTJ-FM 99.3	Dudley	WNRC 91.1		WJR-FM 96.3 WOMC 104.3	MINN	ESOTA
Kent diner	WUFK 90.3 WABK-FM 104.3	Duxbury	WDBY 91,7		WQRS-FM 105.1		
ham	WABK-FM 104.3 WMPG 91.1	Easton Falmouth	WSHL-FM 91.3 WCIB 101.9		WWJ-FM 97.1	Albert Lea	KCPI 95
ilton	WRNE 89.1	Fitchburg	WFMP 104.5		WWWW 106.7 WRIF 101.1	Alexandria	KXRA-FM 92 KCMT-FM 100
	WHOU-FM 100.1	Framingham	WVBF 105.7		WTWR 92.3	Aitkin	KEZZ 94
leton	WCOU-FM 93.3 WRJR 91.5	Franklin	WDJM-FM 91.3 WGAO 91.3	Demost	WCZY 95.5	Austin	KAUS-FM 99
Iston	WBLM 107.5	Gardner	WMWC 91.7	Dowaglac E. Lansing	WDOW-FM 97.9 WKAR-FM 90.5	Anoka Bemidil	KTWN 107
Iston-Auburn		Gloucester	WVCA-FM 104.9	- canoning	WFMK 99.1	Bennah	KBSB 89 KBHP 101
Iston-Auburn	WLKN-FM 99.3	Greenfield	WHAI-FM 98.3		WVIC-FM 94.9	Benson	KBMO-FM 93
riston-Auburn coin chias	WLKN-FM 99,3 WALZ 95,3		WHAV-FM 92.5	Elsie Escabana	WOES 91.3 WFNN 104.7	Brainerd	KLIZ-FM 95
riston-Auburn coin chias Inocket nticello	WLKN-FM 99.3	Haverhill Holliston	WHHB 915		WENN 104.7		
viston-Auburn coin chias inocket nticello way	WLKN-FM 99.3 WALZ 95.3 WKTR 97.7 WXMN 89.5 WOXO 92.7	Haverhill Holliston Holyoke	WHHB 91.5 WCCH 89.5	Cacabana	WK7Y 97 1	Breckenridge	
riston-Auburn coin chias iniocket nticello way no	WLKN-FM 99.3 WALZ 95.3 WKTR 97.7 WXMN 89.5 WOXO 92.7 WMEB-FM 91.9	Haverhill Holliston Holyoke Hyannis	WCCH 89.5 WCOD 106.1	Farmington Hills	WKZY 97.1 WORB 90.3	Breckenridge Cambridge	KKWB 104 KABG 105
viston-Auburn coin chias Inocket nticello way no tageville	WLKN-FM 99.3 WALZ 95.3 WKTR 97.7 WXMN 89.5 WOXO 92.7 WMEB-FM 91.9 KMIS-FM 106.3 WDCS 97.9	Haverhill Holliston Holyoke Hyannis Lawrence	WCCH 89.5 WCOD 106.1 WCCM-FM 93.7		WKZY 97.1 WORB 90.3 WFBE 95.1	Cambridge Cloquet	KKWB 104 KABG 105 WKLK-FM 100
viston-Auburn coin chias Inocket nticello way no tageville	WLKN-FM 99.3 WALZ 95.3 WKTR 97.7 WXMN 89.5 WOXO 92.7 WMEB-FM 91.9 KMIS-FM 106.3 WDCS 97.9 WPOR-FM 101.9	Haverhill Holliston Holyoke Hyannis Lawrence Lowell	WCCH 89.5 WCOD 106.1 WCCM-FM 93.7 WSSH 99.5 WJUL 91.5	Farmington Hills	WKZY 97.1 WORB 90.3 WFBE 95.1 WDZZ-FM 92.7	Cambridge	KKWB 104 KABG 105 WKLK-FM 100 KSJR-FM 90
viston viston-Auburn coin chias linocket nticello way ino tageville tiand	WLKN-FM 99.3 WALZ 95.3 WKTR 97.7 WXMN 89.5 WOXO 92.7 WMEB-FM 91.9 KMIS-FM 106.3 WDCS 97.9 WPOR-FM 101.9 WGAN-FM 102.9	Haverhill Holliston Hollyoke Hyannis Lawrence Lowell Lynn	WCCH 89.5 WCOD 106.1 WCCM-FM 93.7 WSSH 99.5 WJUL 91.5 WLYN 101.7	Farmington Hills	WKZY 97.1 WORB 90.3 WFBE 95.1 WDZZ-FM 92.7 WGMZ-FM 107.9	Cambridge Cloquet Collegeville	WJJY 106. KKWB 104. KABG 105. WKLK-FM 100. KSJR-FM 90. KSJU 89. KCUM-FM 91
viston-Auburn coln chias Inocket nticello way ino tageville	WLKN-FM 99.3 WALZ 95.3 WKTR 97.7 WXMN 89.5 WOXO 92.7 WMEB-FM 91.9 KMIS-FM 106.3 WDCS 97.9 WPOR-FM 101.9	Haverhill Holliston Holyoke Hyannis Lawrence Lowell	WCCH 89.5 WCOD 106.1 WCCM-FM 93.7 WSSH 99.5 WJUL 91.5	Farmington Hills	WKZY 97.1 WORB 90.3 WFBE 95.1 WDZZ-FM 92.7 WGMZ-FM 107.9 WWCK 105.5 WDZZ-FM 92.7	Cambridge Cloquet	KKWB 104. KABG 105. WKLK-FM 100. KSJR-FM 90.

Lanction	1 STATION	Location	Call MHz	Location	Call MHz	Location	Call MH
Location					KRXL 94.5	Holdrege	KUVR-FM 97.
	WSCD-FM 92.9 KAOH-FM 94.9	Greenville	WBAQ 97.9 WDMS 100.7	Kirksville Lebanon	KJEL-FM 103.7	Kearney	KOVF-FM 91 KOKY 105
	KQDS-FM 94.9 WDTH 103.3	Grenada Gulfpert	WQXB 100.1 WGUF-FM 96.7	Lexington	KLWT-FM 92.1 KBEK 106.3	Kearney-Holdrege	
	WGGR 105.1	, ampen	WZKX 107.1 WTAM 102.3	Liberty Liberty	KWPB 91.9 KSAS 106.5	Lexington	KRNY-FM 98 KRVN-FM 93
E, Grand Forks Eveleth	KRAD-FM 103.9 WEVE-FM 100.1	Hattiesburg	WHYS-FM 104.5	Malden	KFIX-FM 106.5 KMAL-FM 92.7	Lincoln	KBHL 95 KFMQ 101
Fairmont Faribault	KFMC-FM 106.5 KDHL-FM 95.9		WHER 103.7 WMSU 91.1	Marshall	KMFL-FM 102.9		KHAT 106
Fergus Falls	KBRF-FM 103.3 WLKX-FM 95.9	Hazelhurst Heldelberg	WMDC-FM 100.9 WEEZ 99.3	Marshfleid,	KNOS 91.7 KEMM-FM 104.9		KLIN-FM 107 KRNU 90
Forest Lake Fosston	KEHG-FM 107.1	Holly Springs	WKRA-FM 92.7 WCPC-FM 93.3	Maryville	KXCV 90.5 KNIM-FM 95.3		KFRX 102 KUCV 90
Golden Valley Grand Rapids	KQRS-FM 92.5 KXGR 96.7	Houston Indianola	WNLA-FM 105.5	Mexico	KWWR-FM 95.7 KDXT-FM 93.3	Mc Cook	KZUM 89 KICX-FM 95
	KAXE-FM 91.7 WMLW 101.3	luka Jackson	WTIB 104.9 WZZQ 102.9	Missoula Moberly	KRES 104.7	Nebraska City	KNCY-FM 9
Hibbing	WMFG-FM 106.3 KDUZ-FM 107.1		WLIN 95.5 WTYX 94.7	Monett Montgomery City	KKBL 95.9 KVCM 103.9	Norfolk	WJAG-FM 100 KEXL 100
Hutchinson International Falls	KICC 91.5		WJSÚ 90.7 WJMI 99.7	Mountain Grove Osage Beach	KLRS-FM 92.7 KYLC 93.5	North Platte	KNEN 94 KODY-FM 94
Litchfield	KSDM 94.3 KLFD-FM 95.3		WJFR 96.3	Overland Parkville	KRSH 90.1 KGSP 90.3	Ocallala	KELN 9 KOGA-FM 9
Little Falls Luverne	WYRQ 92.1 KQAD-FM 93.7	Kosculsko Laurel	WKOZ-FM 105.1 WNSL-FM 100.3	Point Lookout	KSOZ 91.7	Ogallala	KMCX 9
Mankato	KMSU 89.7 KEEZ-FM 99.1	Leiand Lexington	WBAD 94.3 WXMR 106.3	Poplar Bluff	KPBM-FM 94.5 KMMX 95.5	Omaha	KGOR 9 KGBI-FM 10
	KYSM-FM 103.5	Louisville	WLSM-FM 107.1 WSJC-FM 107.5	Portageville	KJEZ 95.3 KMIS-FM 106.3		KIOS-FM 9 KYNN-FM 9
Marshall Minneapolis-St. Pa	KMHL-FM 100.1	Magee McComb	WCCA 94.1	Rolla	KCLU-FM 94.3 KMNR 89.7		KESY-FM 10-
· ·	KBEM 88.5 WCCO-FM 102.9	Meridian	WIXO 105.7 WJDQ 101.3		KZNN 105.3	O14. 18	KFMX 9
	WCTS-FM 100.7 KSTP-FM 94.5	Mississippi State	WALT 97.1 WMSB 89.1	St. Charles	WUMR 88.5 KCLC 89.1	O'Neill Scottsbluff	KBRX-FM 10 KMOR 9
	KEEY-FM 102.1	Moss Point	WKKY 104.3 WQNZ 95.1	Ste. Genevieve St. Joseph	KSGM-FM 105.7 KUSN-FM 105.1	Seward-Lincoln	KNEB-FM 9
	KTIS-FM 98.5 WLOL 99.5	Natchez-Vidalia New Albany	WOKM 103.5	31. 000epn	KSD-FM 93.7	Sidney Superior	KSID-FM 9 KRFS-FM 10
	KNOF 95.3 KTCR-FM 97.1	Newton Ocean Springs	WGOT 106.3 WOSM 103.1		KMJM 107.7 KADI-FM 96.3	Terrytown	KCMI 10
	WAYL-FM 93.7 KFAI 90.3	Oxford Pascagoula	WOOR 97.5 WPMO 99.1	18.	WIL-FM 92.3 KOMR 89.3	Wayne	KWSC 9 KTCH-FM 10
	KSJN 91.1		WGUD 106.3 WWSL 102.3		KMOX-FM 103.3 KEZK 102.5	York	KAWL-FM 10
Moorhead	KIDA 99.9 KCCM-FM 91.1	Philadephia Picayune	WJOJ 106.3		KLSQ 98.1	NEV	ADA
Moorhead Morris	KQWB-FM 98.7 KUMM 89.7	Pontotoc Popiarville	WSEL-FM 96.7 WRPM-FM 107.9		KSRH 91.5 KWMU 90.7	Battle Mountain	KLME 9
	KKOK-FM 107.5 KNUJ-FM 93.1	Prentiss Quitman	WJDR 98.3 WYKK 98.3	Salem Sedalia	KSMO-FM 95.9 KSIS-FM 92.1	Carson City	KKBC 9
New Ulm Northfield	WCAL-FM 89.3	Ripley	WTXI 102.3 KMNR 89.7	Springfield	KCBW 92.1 KTTS-FM 94.7	Fallon	KVLV-FM 9
Owatonna	KRLX 90.3 KRFO-FM 104.9	Rolla Senatobia	WNJC 90.1	Springheid	KTXR 101.5	Henderson .	KCNA 9
Park Rapids	KRPC 90.5 KPRM-FM 97.5	Starkville	WSMU-FM 106.3 WKOR-FM 92.1		KWFC 97.3 KWTO-FM 98.7	Las Vegas	KXTZ 9 KORK-FM 9
Pequot Lakes	KTIG 100.1 WCMP-FM 92.1	Tishomingo Tupelo	WTMO 88.9 WZLQ 98.5	Tarklo-Rockport	KSMU 91.1 WTRX 93.5		KFMS 10 KRUD 9
Pine City Pipestone	KLOH-FM 98.7	Tylertown	WTYL-FM 97.9 WQMV 98.7	Trenton Union	KTTN-FM 92.1 KLPW-FM 101.7		KRGN 10
Preston Princeton	KFIL-FM 103.1 WQPM-FM 106.3	Vicksburg	WKYB-FM 106.7	Warrensburg	KCMW 90.9 KAYQ 97.7		KLUC-FM 9 KENO-FM 9
Red Wing Redwood Falls	KCUE-FM 105.5 KLGR-FM 97.7	Waynesboro West Point	WABO-FM 105.5 WKBB 100.9	Warsaw Waynesville	KFBD-FM 97.7		KCEP 8
Richfield-St. Paul Rochester	WDWB-FM 101.3 KROC-FM 106.9	Winona Yazoo City	WONA-FM 96.7 WJNS-FM 92.9	West Plains	KYSD 102.3 KWPM-FM 93.9	Las Vegas	KNPR 8 KUNV 9
Hochester	KNCV 101.7		OURI		TANA	Reno	KNEV S
	KRKP 89.9 KNXR 97.5	Aurora	KELE 100.1		KGLM-FM 97.7		KUNR 8
	KWWK 96.7 KRCH 101.7	Ballwin Bethany-Albany	KYMC 89.9 KAAN 95.9	Anaconda Belgrade	KMZK 96.7		KSRN 10 KRNO 10
Rushford	KFSI 88.5 KLSE-FM 91.7	Bolivar	KYOO-FM 106.3 KDBX 99.3	Billings	KURL-FM 97.1 KIDX 98.5	NEW HAR	ADSHIDE
St. Cloud	KCLD-FM 104.7 WWJO 98.1	Boonville Bowling Green	KPCR-FM 100.9		KOOK-FM 102.9 KYYA 93.3		WECM 10
St. Louis Park	KRSI-FM 104.1 WMCN 91.7	Branson Buffalo	KIRK-FM 106.3 KBFL 90.3		KEMC 91.7 KPER 88.9	Berlin Claremont	WECM 10
St. Peter	KRBI-FM 105.5	Butler Cabool	KMOE 105.5 KVVC-FM 106.3	Bozeman	KGLT 90.1	Concord	WKXL-FM 10
Sauk Centre Sauk Rapids	KMSR 94.3 WHMH-FM 101.7	Canton Cape Girardeau	KQCA 102.3 KGM-FM 100.7	Butte	KBZN 93.7 KOPR 94.1	Conway Dover-Portsmouth	WMWV 9
Spring Grove Thief River Falls	KQYB 98.3 KAVS 89.5	Cape Girardeau	KFMP 102.9		KQUY 95.5 KMSM-FM 91.5	Durham	WUNH S
	KOSN-FM 99.3 WHLB-FM 107.1	Carrollton	KRCU 90.9 KAOL-FM 101.1	Dillon Forsyth	KDLN 98.3 KXXE 101.3	Exeter	WKXR-FM 10
Virginia Wadena	KKW\$ 105.9	Carthage Caruthersville	KRGK 104.9 KCRV 103.1	Glendive	KIVE-FM 96.5 KAAK 98.9	Hanover Henniker	WFRD 9
Waseca Waynesville	KQDE-FM 92.1 KYSD 102.3	Chillicothe Clayton	KCHI-FM 103.9 KFUO-FM 99.1		KNUW 94.5	Laconia Keene	WLNH-FM 9
Willmar Windom	KQIC 102.5 KDOM-FM 94.3	Clayton	KHRU 88 1	Hamilton Hardin	KLYQ-FM 95.9 KRWS 95.3	Manchester	WKNH 8
Winona	KAGE-FM 95.3 KQAL 88.5	Clinton	KWUR 90.3 KDKD-FM 95.3	Havre Haure	KPQX 95.5 KNOG 90.1		KGIR-FM 10
	KSMR 90.9	Columbia	KWWC-FM 90.5 KBIA 91.3	Helena	KHTC 89.5 KBLL-FM 92.1	Mount Washington Nashua	WOTW-FM 10
Worthington Worthington-	KWOA-FM 95.1		KCOU 88.1 KFMZ 98.3	Walls in	KCAP-FM 103.1	Newport Peterborough	WCNL-FM 10
Marshall	KRSW-FM 91.7		KTGR-FM 96.7	Kalispeli	KSSR 98.5 KALS 97.1	Philippi Plymouth	WOAB WPCR-FM
MISS	ISSIPPI		KOPN 89.5 KCMQ 96.7	Livingston Lewistown	KYBS 97.7 KLCM-FM 95.9		WPNH-FM 10
Aberdeen	WHAY 105.5	Crestwood Dexter	KSHE 94.7 KDEX-FM 102.3	Maita	KMMR 100.1 KUFM 88.1	Portsmouth Rochester	WHEB-FM 10
Amory	WAFM 95.3	Doniphan	KOEA 97.7 KLDN 92.7	Missoula	KYSS-FM 94.9		
Baldwyn Batesville	WESE 95.9 WWUN 95.9	Eldon El Dorado Spring	8		KYLT-FM 100.1 KDXT 93.3	NEW J	ERSEY
Bay Springs Blloxi	WXIY 93.5 WQID 93.7	Farmington	KESM-FM 107.1 KTJJ 97.1	Plentywood Ronan	KATQ 100.1 KQRR 92.3	Asbury Park Atlantic City	WJLK-FM WJLK-FM
Booneville Brandon	WBIP-FM 99.3 WRJH 97.7	Ferguson Florissant-St. Chi	KCFV 89.5	Scobey	KCGM 95.7 KZIN-FM 96.3	Augnic City	WMGM 1
Brookhaven	WMRQ 92.1		KSCF 97.1 KKCA 97.7	Shelby Sidney	KGCH-FM 93.1	Avalon	WWOC
Canton Carthage	WDGM 101.7 WWYN 98.1	Fulton Gordonville	KJAQ-FM 99.3	Wolf. Point	KYZZ 92.7	Blackwood Blairstown	WDBK WFMV-FM 1
Centreville Clarksdale	WZZB 104.9 WAID 106.3	Greenfield Hannibal	KRFG 93.5 KGRC 92.9	NEBR	ASKA	Bricktown	WBGD :
	WJBI 101.7 WQAZ 92.7	Harrisonville Hillsboro	KIEE 100.7 KHKA 88.9	Alliance	KFAH 92.1	Bridgeton Camden	WSNJ-FM 1
Cleveland	WCLD-FM 103.9	Houston	KSCM-FM 99.3 KJFF 106.9	Auburn Aurora	KAUB 105.5 KIAE 103.1	Canton Cape May	WNNN 1
Clinton Coldwater-	WHJT 93.5	Jefferson City	KLUM-FM 88.9	Beatrice	KMAZ 92.9 KDCV-FM 91.1	Cherry Hill Dover	WBEK
Hernando Collins	WVIM-FM 95.3 WKNZ 101.7	Jopiin	KJMO 100.1 KOBC 91.3	Blair BLAIR	kbwh 106.3	E. Orange	WFMU !
Columbia	WFFF-FM 96.7		KSYN 92.5 KPCG 102.5	Chadron	KQSK 97.5 KBWH 106.3	Eatontown Egg Harbor	WHTG-FM 1
Columbus	WLNK 90.9	Kansas City	KCEZ 94.9	Columbus	KOXI 101.1 KTLX 91.9	Fiemington Franklin	WCVH WSUS 1
Corinth	WACR-FM 103.9 WALP 90.5		KBEQ 104.3 KTSR 90.1 KCUR-FM 89.3	0	KTTT-FM 93.5	Franklin Lakes	WRRH
Commit	WKCU-FM 94.3 WADI 95.3		KCUR-FM 89.3 KLJC 88.5	Crete Crookston	KTAP 103.9 KINI 96.1	Glassboro Hackettstown	WGLS-FM WNTI
Drew	WDRU 95.3		KMBR-FM 99.7 KPRS 103.3	Fremoni Gordon	KHUB-FM 105.5 KSDZ 95.5	Hanover Hazlet	WHPH
Ellisville	WBSJ 102.3 WEXA 101.7		KXTR 96.5	Grand Island	KRGI-FM 96.5 KICS-FM 93.5	Highland Park Lawrence Twp	WVHP-FM WLCR
Eupora	WQST 92.5		KWKI 93.3	Hastings	NIO3-FM 33.3	Lawrenceville	WWRC

				Q.O. 1 W	STATION	NO DI LU	CATION
Location	Call MHz	Location	Call M	Hz Location	Call MHz	Location	Call MHz
Long Branch Madison	WWUU 107.1 WMNJ 88.9		WADV 10	6.5 Plattsburg	WGFB 99.9	Hendersonville	WKIT 102.5
Mahwah Millville	WRRR 90.3 WMVB-FM 97.3	1	WBFO 8	8.7 Port Jervis	WPLT 91.1 WDLC-FM 96.7	Hickory	WHKY-FM 102.9 WXRC 95.7
Morristown	WJSV 90.5		WFXZ 9	2.9 Potsdam	WTSC-FM 91.1 WSNN 99.3	High Point	WHPE-FM 95.5
Newark	WFME 105.9		WGRQ 9	6.9	WPDM-FM 99.3		WMFR-FM 99,5 WGLD-FM 100,3
	WFME 94.7 WVNJ-FM 100.3		WWOR-FM 10 WPHD 10	4.1 Poughkeepsie	WSPK 104.7 WPDH 101.3		WWIH 90.3
New Brunswick	WBGO 88,3 WMGQ 98,3	Cananadalgua	WFLC 9	3.5	WVKR-FM 91.3	Jacksonville	WRCM 92.1 WXQR 105.5
	WRSU-FM 88.7	Canton Cazenovia	WSLU 9		WQBK-FM 103.9 WRCN-FM 103.9	Kannapolis	WRKB-FM 99.7
Newton Ocean City	WIXL-FM 103.7 WSLT 106.3	Central Square	WCSQ 8	9.3 Rochester	WHFM 98.9	Kinston	WRNS 95.1 WQDW 97.7
Paterson	WPAT-FM 93.1	Cherry Valley Clinton	WJIV 10	1.9	WNWZ 92.5 WMJQ 92.5	Laurinhuss	WKNS 90.5
Piscataway Pieasantville	WVPH 90.3 WGRF 99.3	Corning	WCLI-FM 8	8.7	WCMF 96.5	Laurinburg Lexington	WSTS 96.5 WLXN 94.1
Point Pleasant	WADB 95.9	Cortland	WCEB 9		WIRQ 90.9 WEZO 101.3	Lumberton	WGSS 95.7
Princeton Princeton Junction	WPRB 103.3 on WWPH 90.3		WSUC-FM 9	0.7	WDKX 103.9	Mars Hill	WJSK 102.3 WCMH-FM 90.5
Ship Bottom	WJRZ 100.1	Depew De Ruyter Twp.	WBLK-FM 9 WOIV 10	3.7	WPXY 97.1 WRUR 88.5	Morehead City	WMBL-FM 95.9
South Orange Teaneck	WSOU 89.5	Dix Hills	WHHJ 8	8.9	WVOR-FM 100.5	Morganton Moyock	WQXX 92.1 WQZQ 92.1
Toms River	WFDU 89.1 WOBM 92.7	Dundee Ellenville	WFLR-FM 9 WELV-FM 9	5.9 9.3 Rome	WXXI-FM 91.5 WKAL-FM 95.9	Murireesboro	WWDR-FM 98.3
Trenton	WTRT 101.5 WICR 80.7	Elmira	WECW 8	8.1 Sag Harbor	WLNG-FM 92.1	New Bern North Wilkesborn	WAZZ 101.9
	WCHR 94.5		WEHH-FM 9 WLVY 9	1.3 St. Bonaventure 1.3 Saratoga Spring			WKBC-FM 97.3
	WPST 97.5 WTSR 91.3	Fedler	WLEZ 9	2.7	WKAJ-FM 102.3	Plymouth Raleigh	WKLX 95.9 WYYD 96.1
	WKXW-FM 101.5	Endicott Floral Park	WMRV 10 WSHS 9		WASM 102,3 WGFM 99,5		WKNC-FM 88.1
Union Upper Montclair	WKNJ 90.5 WMSC 105.5	Fredonia	WCVF-FM 8	3.9	WRUC 90.9		WQDR 94.7 WCPE 89.7
Vineland	WDVL-FM 92.1	Fulton	WKFM 10 WBAU 9		WMHT-FM 89,1 WSFW-FM 99,3		WRAL 101.5
West Long Branc			WHPC 9	3 Sodus	WSCS 89.5	Reidsville	WSHA 88,9 WWMO 102.1
Wildwood Zarephath	WCMC-FM 100.7 WAWZ-FM 99.1	Genesee Geneva	WGSU 8	9.3 South Bristol 9.7 Southampton	WMIV 95.1 WSBH 95.3	Roanoke Rapids	WPGT 90.1
			WECQ 10	.7	WPBX 91.3	Rockingham	WPTM 102.3 WRSH 91.1
NEW N	MEXICO	Glens Falls	WYLR-FM 99 WNIQ-FM 10	.9 Staten Island '.1 Stony Brook	WSIA 88.9	Rocky Mount	WRSV 92.1
Alamogordo	KINN-FM 105.5		WGFR 9	.9 Southfleid	WUSB 90.1 WBAZ 101.7	Roxboro	WFMA 100.7 WKPX 96.7
KKEE 94.3	KXXI 94.3	Gouverneur Greece	WIGS-FM 92 WGMC 98		WKWZ 88.5	Shallotte	WDZD 93.5
Albuquerque	KANW 89.1	Hamilton	WRCU-FM 90	.1	WAER 88.3 WNTQ 93.1	Sallsbury	WRDX 106.5 WNDN-FM 91.1
	KMYR 99.5 KDEF-FM 94.1	Hammondsport Hampton Bays	WVIN-FM 98 WWHB 10	1	WMHR 102.9 WONO 107.9	Sanlord	WFJA 105.5
	KLYT 88.3	Hempstead	WIOK 98	.3	WSYR-FM 94.5	Shelby	WDCC-FM 89.5 WOHS-FM 96.1
	KPIC 91.5 KRST 92.3	Henrietta	WVHC 88 WRHR 90		WFLY 92.3 WRPI 91.5	Southern Pines	WIOZ 107.1
	KLYT-FM 88.3		WITR 89	.7	WIBQ 98.7	Southport Statesville	WLCF 107.1 WFMX 105.7
	KFMG 107.9 KHFM 96.3	Herdimer Hornell	WYUT-FM 92 WCKR 92		WOUR 96.9 WZOW 107.3		WOOO 96.9
	KKJY-FM 100.3	Harashaada	WHHO-FM 105	.3 Tupper Lake	WTPL-FM 102.3	Tabor City Tarboro	WKSM 104.9 WKTC 104.3
	KOB-FM 93.3 KUNM 90.1	Horseheads Houghton	WQIX 100 WJSL 90		WKGW 104.3 WIBQ 94.9	Thomasville	WTNC-FM 98.3
KWXL 94.1		Hudson	WHUC-FM 93	.5	WOUR 96.9	Wallace Wanchese	WZKB 94.3 WOBR-FM 95.3
Artesia Aztec	KTZA 92.9 KWYK 94.9	Hyde Park Ithaca	WJJB 97 WHCU-FM 97		WPNR-FM 90.7 WZQW 107.3	Warrenton	WVSP 90.9
Aztec-Framinghar	m		WICB 91	.7	WTLB-FM 107.3	Washington Waynesville	WITN-FM 93.3 WQNS 104.9
Carlbad	KWYK-FM 94.9 KATK-FM 92.1		WEIV 103 WVBR-FM 93		WDLA-FM 92.1 WNCQ 97.5	Whiteville	WQTR 98.1
Clevis	KTQM-FM 99.9	Jamestown	WJWK 91	5 Waverly	WAVR 102.3	Wilkesboro Williamston	WSIF 90.1 WSEC 103.7
Deming	KKQQ 99.1 KDEM 94.3		WWSE 93 WHUG 101	7 Township	WBIV 107.7	Wilmington	WPRV 93.9
Espanola	KBSQ 102.3	Johnstown Kingston	WIZR-FM 104 WBPM 94	9 White Plains	WWYD 103.9		WAAV 102.7 WLOZ 91.3
	KRWN 92.9 KQNM 93.7	Lake Placid	WIRD-FM 95	3	WDST 100.1		WWQQ-FM 100.9
Farmington	KRWN 92.9	Lake Ronkonkom	WLPW 105	5	CAROLINA		WHSL 97.3 WWIL 97.3
KNMI 88.9 Gallup	KOVO 94.5	Lake Success	WTFM 103	5		Wilson Winston-Salem	WXYY 106.1 WKZL 107.5
Hobbs	KPER 95.7	Lancaster Liberty-Monticello	WSMH-FM 89	9 Ahoskie Albermarie	WRCS-FM 99.3 WABZ-FM 100.9	W WISLOUT-SaleIII	WFDD-FM 88.5
Humble City La Cruces	KYKK 94.1 KGRD 103.9		WVOS-FM 95	9 Asheboro	WCSE 92.3	1	WSEZ 93.1 WTQR 104.1
	KRWG 90.7 KASK 103.1	Liverpool Loudonville	WCNY-FM 91 WVCR-FM 89	3 Asheville	WLOS 99.9 WUNF-FM 88.1		
Las Vegas	KEDP 91.1	Manilus	WAQX 95	3	WBMU-FM 91.3	NORTH	DAKOTA
Los Alamos	KLVF 100.9 KRSN-FM 98.5	Middletown Montour Falls	WALL-FM 92 WXXY 104		WKJA 92.1 WMIT 106.9	Belcourt	KEYA 88.5
Lovington	KLEA-FM 101.7	Monticello	WSUL 93 WVLJ 105	5 Boiling Springs	WGWG 88.3	Bismark	KYYY 92.9
Mesilla Park Portales	KOPE 104.9 KENM-FM 95.3	Mt. Kisco	WRNW 107	1 Bridgeton	WASU-FM 90.5 WSFL 106.5		KQDY 94.5 KCND 90.5
	KENW-FM 89.5		WARY 88 WVIP-FM 106	5 Bules Creek 3 Burgaw-Wilmingt	WCCF 90 1	Devils Lake Fargo	KDLR-FM 96.7 KFNW-FM 97.9
Ramah Raton	KTDB 89.7 KRTN-FM 94.3	Newburgh	WFM N 103	1 Burlington	WPCM 101.1	rargo	WDAY-FM 93.7
Roswell	KRTN-FM 94.3 KBIM-FM 94.9	New Rochelle New York	WRTN 93	5 Burlington-Graha	ım	Grand Forks	KDSU 89.9
Sante Fe	KRIZ 97.1 KAFE-FM 97.3		WPLJ 95. WBAI 99.	5 Chapel Hill	WBAG-FM 93.9 WUNC 91.5 WXYC 89.3	Grand Forks	KYTN 94.7 KKDQ 92.9
Taos	KSNM 95.5		WCBS-FM 101 WEVD-FM 97	1	WXYC 89.3 WBCY 107.9	Jamestown	KFJM-FM 89,3 KSJM 93,3
	KKIT-FM 99.3 KXRT 101.7		WFUV 90.	7	WROQ 95.1	Mandan	KNDR 104.9
Tucumcarl University Park	KTNM-FM 92.7 KRWG 91.7		WKTU 92.	9	WSOC-FM 103.7 WEZC 104.7	Mayville Minot	KMAV-FM 101.7 KCJB-FM 97.1
Zuni	KRWG 91.7 KSHI 90.9		WBLS 107.	5	WFAE 90.7	I.	KIZZ-FM 93.7
			WNCN 104. WNEW-FM 102.	Concord	WRRZ-FM 107.1 WPEG 97.9	Williston	KLAN 96.1
NEW	YORK		WNYU-FM 89.	1 Cullowhee	WWCU 91.7	OF	110
Albany	WAMC 90.3		WYNY 97. WNWS 97.	Davidson	WSGE 91.7 WDAV 89.9	Akron	WAEZ 87.5
	WCDB 90.9 WGNA 107.7		WNYC-FM 93.	Dunn	WDAV 89.9 WQTI 103.1	ARION	WAPS 89.1
	WHRL 103.1		WNYE 91. WXLO 98.	7	WDCG 105.1 WDBS 107.1		WAUP 88.1 WKDD 96.5
	WHSH 106.5 WROW-FM 95.5		WPIX-FM 101.	9	WAFR 90.3	Alliance	WFAH-FM 92.5
	WWOM 100.9		WQXR-FM 96. WRFM 105.	Edenton Edenton	WSRQ 94.5 WBXB 100.1	Archbold	WRMU 91.1
Alfred	WBLI-FM 106.1 WALF 89.7	Niagra Ealla	WRVR 106.	Elizabeth City, N.	C.	Ashland	WNCO-FM 101.3
	WETD 91.3	Nlagra Falls N. Syracuse	WZIR 98. WEZG 100.	Elkin	WIFM-FM 100.9	Ashtabula	WRDL 89.5 WREO-FM 97.1
Amsterdam Attica	WMVQ 97.7 WBTF 101.7	Norwich Nyack	WCHN-FM 93. WNYK 88.	Elon College Fairmont	WSOE 89.3	Athens	WQUB-FM 91.3
Auburn	WDWN 88.9	Olean	WEBF 95.	/ Farmington	WZYZ 100.9 KRAZ 96.9	Bainbridge	WXTQ 105.5 WKHR 88.3
Babylon	WRLX 106.9 WBAB-FM 102.3	Oneida	WBJZ 100.9 WMCR-FM 106.3	Farmville	KRAZ 96.9 WRQR 94.3	Batavia	WCNE 88.7
Baldwinsville	WSEN-FM 92.1	Oneonta	WSRK 103.		WFSS 88.1 WQSM 98.1	Bellaire	WOMP-FM 100.5 WBHR 88.7
Binghamton-	WBXL 90.5 WQYT 98.1		WRHO 80	Enroet City	WBBO-FM 93.3	Bellefontaine	WTOO-FM 98.3
	WHRW 90.5	0.11	WONT 103. WONY 90.	Fuguay-Varina	WRFR 96.7 WAKS-FM 103.9	Bellevue Berea	WNRR 92.1 WBWC 88.3
	WAAL 99.1	Ossining Oswego	WOSS 90.3 WRVO 89.9	Gastonia	WZXI 101.9 WEQR 96.9	Bowling Green	WKIQ 93.5
	WSKG-FM 89.3		WQHS 101.7		WOKN 102.3	Bryan	WBGU 88.1 WBNO-FM 100.9
Brentwood	WCTO 94.3		WGH3 101.				
Brentwood Briarcliff Manor,	WCTO 94.3 WXBA 88 5	Owego	WSGO-FM 105.5	Greensboro	WRQK 98.7	Bucyrus	WBCQ 92.7
Brentwood Briarcliff Manor, Mt. Kisco	WCTO 94.3 WXBA 88.5 WRNW 107.1	Owego Patchogue	WSGO-FM 105.5 WWWT 101.7 WALK-FM 97.5		WRQK 98.7 WQFS 90.7 WQMG 97.1	Bucyrus Cambridge Canal Fulton	WBCQ 92.7 WILE-FM 96.7
Brentwood Briarcliff Manor, Mt. Kisco Brockfort Brockport	WCTO 94.3 WXBA 88.5 WRNW 107.1 WBKT 90.5	Patchogue	WSGO-FM 105.5 WWWT 101.7 WALK-FM 97.5 I,WBLI Inc. 106.1		WQMG 97,1 WUAG 108.1	Cambridge	WBCQ 92.7 WILE-FM 96.7 WNWR 90.9 WHBC-FM 94.1
Brentwood Briarcliff Manor, Mt. Kisco Brockfort Brockfort Brocklyn	WCTO 94.3 WXBA 88.5 WRNW 107.1 WBKT 90.5 WBSU 88.9 WKRB 90.9	Patterson WBL	WSGO-FM 105.5 WWWT 101.7 WALK-FM 97.5 I,WBLI Inc. 106.1 WPAC-FM 106.1 WRVH 105.5	Greenville	WQMG 97,1 WUAG 106,1 WNAA 90,1 WNCT-FM 107,7	Cambridge Canal Fulton	WBCQ 92.7 WILE-FM 96.7 WNWR 90.9 WHBC-FM 94.1 WOOS-FM 106.9
Brentwood Briarcliff Manor,	WCTO 94.3 WXBA 88.5 WRNW 107.1 WBKT 90.5 WBSU 88.9	Patchogue WBL	WSGO-FM 105.5 WWWT 101.7 WALK-FM 97.5 J,WBLI Inc. 106.1 WPAC-FM 106.1	Greenville	WQMG 97.1 WUAG 108.1 WNAA 90.1	Cambridge Canal Fulton	WBCQ 92.7 WILE-FM 96.7 WNWR 90.9 WHBC-FM 94.1

cation	Call MHz	Location	Call MHz	Location	Call MHz	Location	Call MHz
lina	WKKI 94.3 WCSM-FM 96.7	Springfield	WBLY-FM 102.9 WEEC 100.7	Baker	KKIC 101.7 KBKR-FM 95.3	Hershey Hollidaysburg	WITF-FM 89.5 WHPA 104.9
nterville	WCWT-FM 92.1	Streetsboro	WUSO 89.1 WSTB 91.5	Bend	KICE 100.7 KXIQ 94.1	Huntingdon Huntington	WKVR-FM 91.7 WRLR 106.3
illicothe	WBEX-FM 93.3 WFCB 94.3	Stuebenville	WRKY 103.5	Brookings Central Point	KURY-FM 95.3 KCHC 91.7	Indiana	WQMU 103.1 WIUP-FM 90.1
ncinnati	WCLL 94.3 WLQA 98.5	Struthers Slyvania	WKTL 90.7 WXEZ 105.5	Coos Bay	KYNG-FM 105.5	Jenkintown	WIBF-FM 103.9 WYBT 97.7
	WUBE 105.1 WEBN 102.7	Tiften	WTTF-FM 103.7 WHEI 88.9	Corvailis	KEJO 101.5 KBVR 90.1	Jersey Shore Johnstown	WJAC-FM 95.5
	WAKW 93.3	T <mark>oledo</mark>	WAMP 88.3 GTE-FM 91.3	Coquille	KLOO-FM 106.1 KWRO-FM 102.3		WGLU 92.1 WJNL-FM 96.5
	WGUC 90.9 WKRQ 101.9		WIOT 104.7	Eagle Point	KEPO 89.1	Lancaster	WFMN 88.7 WNCE 101.3
	WSAI-FM 94.1 WVXU-FM 91.7		WKLR 99.9 WLQR 101.5	Eugene	KRVM 91.9 KSND 93.1		WBAC 94.5
	WWEZ 92.9	Maluardin Malahi	WMHE 92.5		KUGN-FM 97.9 KLCC 90.3		WLAN-FM 96.9 WPTG 90.3
	WNRE-FM 107.1 WAIF 88.3	University Height	WUJC 88.7		KPNW-FM 99.1	Lebanon	WUFM 100.1 WPSU 89.1
eveland	WJVS 88.3 WBOE 90.3	Upper Sandusky Urbana	WYAN-FM 95.9 WCOM-FM 101.7		KWAX 91.1 KBMC 94.5	Lehman Lewisburg	WVBU-FM 90.5
e verantal	WCRF 103.3		WUHS 91.7 WERT-FM 98.9	Gold Hill	KZEL-FM 96.1 KRWQ 100.3	Lewistown Lincoln University	WMRF-FM 95.9 WILU 88.7
	WCLV 95.5 WCSB 89.3	Van Wert Wapakoneta-St. M	fary's	Grants Pass	KGPO 96.9	Linesville	WVCC 101.7 WBPZ-FM 92.1
	WDOK 102.1 WQAL 104.1	Washington Cour	WAXC 92.1	Gresham	KTEC 88.1 KMHD 88.5	Lock Haven Mansfield	WNTE 89.5
	WGCL 98.5		WCHO-FM 165.5 WXIZ 100.9	Hermiston Hood River	KOHU-FM 99.3 KIHR-FM 105.5	Martinsburg McKean	WJSM-FM 92.1 WMDI 102.3
	WWWM 105.7 WMMS 100.7	Waverly Wellston	WKOV-FM 96.7	Klamath Falls	KAGM 98.5	Meadville	WARC 90.3 WZPR 100.3
	WKSW 99.5 WDMT 107.9	West Carrollton West Chester	WQRP 88.1 WLHS 89.9	La Grande	KJSN 92.5 KEOL 91.1	Mechanicsburg	WQVE 105.5
	WRUW-FM 91.1	Westerville	WOBN 91.5		KBLM-FM 89.3 KMJK 106.7	Mercer Mercersburg	WWIZ 103.9 WRCV 92.1
	WZZP 106.5 WZAK 93.1	Wilberforce	WBBY 103.9 WCSU-FM 88.9	Lake Oswego Lebanon	KIQY 103.7	Middletown	WMSS 91.1
eveland Heights	WLYT 92.3	Wilmington Wooster	WKFI-FM 102.3 WWST-FM 104.5	McMinneville Medford	KSLC 90.3 KBOY-FM 95.3	Mittlinburg Millersville	WWMC-FM 98.3 WIXQ 91.7
de lumbus	WMEX 100.9 WCBE 90.5		WCWS 91.9		KTNT 93.7	Milton Montrose	WOEZ-FM 100.9 WPEL-FM 96.5
	WBNS-FM 97.1 WLVQ 96.3	WorthIngton-Colu	wnCl 97.9	Milwaukee Newport	KQIV 106.7 KNPT-FM 102.5	Nanticoke	WMJW 92.1
	WCOL-FM 92.3	Xenia	WDJX 103.9	North Bend	KOOS 100.9 KXBQ-FM 96.1	New Kensington New Wilmington	WNUF 100.7 WKTS 88.9
	WRMZ 99.7 WOSU-FM 89.7	Yellow Springs	WBZI 95.3 WYSO 91.5	Ontario Pendleton	KFMT 103.5	Norristown	WVVE 91.7
	WVKO-FM 94.7	Youngstown	WKBN-FM 98.9		KRBM 90.9 KUMA-FM 107.7	North East Oil City	WHYP-FM 102.3 WDJR 98.5
nneaut shoeton	WGOJ 105.5 WTNS-FM 99.3		WQOD 93.3 WSRD 101.1	/	KTAS 107.7		WRJS 98.5
shoeton yton	WHIO-FM 99.1	7,,,,,,,,,,,,	WYSU 88.5	Portland	KBOO 90.7 KINK 101.1	Palmyra Philadelphia	WCTX 92.1 WCAU-FM 98.1
	WDPS 89.3 WGXM 88.1	Zanesville	WHIZ-FM 102.5		KJIB 99.5		WDAS-FM 105.3 WSNI 104.5
	WTUE 104.7 WDAO 107.7	OKLA	HOMA		KGON 92.3 KOAP-FM 91.5		WIOQ 102.1
	WSMR 89.3	Ada	KTEN-FM 93.3		KLLB 101.1 KPDQ 93.7		WDVR 101.1 WEAZ 101.1
Graff	WWSU 88.5 WDEQ-FM 91.1	i	KASK 96.7 KWHW-FM 93.5		KPAM-FM 97.1		WFLN-FM 95.7
laware	WSLN 91.1	Attus Ardmore	KKAJ 95.7		KUPL 98.5 KQFM 100.3		WUHY 90.9 WIFI 92.5
lphos ver	WDOH 107.1 WJER-FM 101.7	Barilesville	KRRO 92.1 KYFM 100.1		KRRC 89.3		WMMR 93.3 WMGK 102.9
st Liverpool	WELA 104.3	Bethany	KJIL 104.9	Redmond	KXL-FM 95.5 KSBC 92.7		WYSP 94.1
ton ria	WJAI 92.9 WBEA 107.3	Bristow Broken Arrow	KREK 104.9 KMYO 92.1	Roseburg	KRSB 103.1 KSKD 105.1		WPEB 88.1 WPWT 91.6
Irfield	WYYS 94.9 WHMQ 100.5	Chickasha	KXXK 105.5	Salem The Dalles	KCIV 104.5		WRTI 90.1
ndlay	WLFC 88.5	Clinton	KCLI 95.3 KKCC-FM 106.9	Tillamook Toledo	KTIL-FM 104.1 107.1		WUSL 98.9 WKBU 91.7
storia emont	WFRO-FM 96.7 WFRO-FM 99.1	Duncan	KRHD-FM 102.3 KSEO-FM 107.3				WWDB 96.5
hanna	WCVO 104.9	Durant	KHIB 91.9	PENNSY			WWSH 106.1 WYPN 88.9
ilion Ilipoils	WQLX 102.3 WYPC 101.5	Edmond	KKLR 97.7 KCSC 90.1	Allentown	WFMZ 100.7 WMUH 91.7	Pittsburgh	KDKA-FM 92.9 WRCT 88.3
mbier eorgetown	WKCO 91.9 WURD 97.7	C.id	KOKF 90.9 KNID 96.9		WXKY 104.1		WAMO 105.9
anville	WDUB 90.9	Enid Eufaula	KCES 102.3	Altoona	WVAM-FM 100.1 WFBG-FM 98.1		WDVE 102.5 WDSY 107.9
reenville Imilton	WGVO 91.7 WSKS 96.5	Goodwell Henryetta	KPSU 91.7 KHEN-FM 99.5	Beaver Falls	WWKS 106.7		WDSY 107.9 WXKX 96.1 WDUQ 90.5
	WYCH 103.5 WHSS 89.5	Hobert	KQTZ 105.9	Bedford	WGEV 88.3 WAKM 100.9		WSSH 99.7
lisboro	WSRW-FM 106.7	Idabel Langston	KWDG 96.7 KALU 90.7	Bellwood Bethiehem	WHGM 103.9 WZZO 95.1		WJOI 93.7 WPIT-FM 101.5
oliand onton	WPOS-FM 102.3 WITO 107.1	Lawton	KLAW 101.5 KCCO-FM 98.1		WLVR-FM 91.3	1	WQED-FM 89.3
ckson	WLMJ 94.7	McAlester	KNED-FM 101.3	Bloomsburg Boyertown	WHLM-FM 106.5 WBYO 107.5		WYDD 104.
fferson hnstown	WCVJ 90.9 WWWJ 103.1	Mlami Muskogee	KORS 100.9 KMMM-FM 106.9	Braddock	WFFM-FM 96.9	Pottanille.	WYEP-FM 91.3 WAVT-FM 101.9
ent	WKSU 89.9	Norman	KGOU 106.3	Butler California	WBUT-FM 97.7 WVCS 91.9	Pottsville Punxsutawney	WPME-FM 105.
enton	WNIR-FM 100.1 WKTN 95.3	Nowata Oklahoma City	KNFB 94.3 KTLS 98.9	Canton	WKAD 100.1 WCDL-FM 94.3	Reading	WRFY-FM 102.
ettering	WVUD-FM 99.9 WKET 89.5	- Alanoma only	KEBC 94.7	Carbondale Carliste	WHLY-FM 102.3	Red Lion	WGCB-FM 96.
	WCXL 88.7		KATT 100.5 KZUE 102.7	Central City	WDCV-FM 88.3 WCCS 101.7	Ridgway Saegertown	WTMX 94. WYSS 94.
ncaster na	WHOK-FM 95.5 WIMA-FM 102.1		KXXY 96.1 KOFM 104.1	Chambersburg	WIKZ 95.1	Scottsdale	WLSW 103. WGBI-FM 101.
	WLSR 104.9		KLTE 101.9	Charleroi Chester	WESA-FM 98.3 WDNR 89.5	Scranton	WEZX 107.
gan	WTGN 97.7 WLGN-FM 98.3		KAEZ 107.7 KKNG 92.5	Clarion	WCUC-FM 91.7 WCPA-FM 93.5		WVIA-FM 89. WVMW-FM 91.
ndon-	WSYX 106.3 WZLE 104.9	04:	KOCC 88.5	Cleartield Danville	WPGM-FM 96.7		WWDL-FM 104.
erain anstield	WVNO 106.1	Okmulgee	KLLS 94.3 KOKL-FM 94.3	Du Bois	WCED-FM 102.1 WDBA 107.3	Selingsgrove Shamokin	WQSU 88. WISL-FM 95.
	WCLW-FM 105.3 WVMC 90.7	Owasso, OK Pauls Valley	KCMA 106.1 KGOK 97.7	Easton	WEST-FM 96.1	Sharon	WYFM 102. WFAR-FM 95.
arietta	WCMO 89.3	Ponca City	KLOR-FM 99.3		WJRH 90.5 WQQQ 99.9	Sharpsville Shippensburg	WSYC-FM 88
	WMRT 88.3 WMOA-FM 94.3	Poteau	KPNC-FM 100.9 KLCO-FM 98.3	East Stroudsberg	WESS 90.3	Somerset	WVSC-FM 97
arion	WMRN-FM 106.9	4	KINB 107.3	Ebensburg Edinboro	WIYQ 99.1 WFSE 88.7	South Williamsport	WMPT-FM 99
edina	WDIF 94.3 WDBN 94.9	Pryor Sallisaw	KMYZ-FM 104.5 KRBB-FM 95.9	Elizabethtown	WMSH-FM 106.7 WRKZ 106.7	Starview State College	WRHY 92. WMAJ-FM 103.
lamisburg	WFCJ 93.7 WRSF 89.9	Saputpa	KXOJ-FM 100.9 KSLE 105.5	Elwood City, Pa.	WFEM 92.1	Cate College	WDFM 91
Ilddleport	WMPO-FM 92.1	Seminole Shawnee	KBGC 89.9	Ephrata Erle	WIOV 105.1 WLVU 99.9	State College-Be	WQWK 96.
iddletown litord-Mariemon	WPBF 105.9 t WLYK 107.1	Stillwater	KOSU-FM 91.7 KSPI-FM 93.9	26	WQLM-FM 91.3		WTLR 89 WVPO-FM 93
orrow	WLMH 88.1		KVRO 105.5		WCCK 103.7 WERG 89.9	Stroudsburg Sunbury	WQKX 94
It. Vernon apolean	WMVO-FM 93.7 WNDH 103.1	Sulphur Tahleguah	KSDW 100.9 KEOK 101.7	Exeter	WASD 88.1 WVEN 99.3	Swarthmore Tamagua	WSRN 91 WZTA 105
ewark	WCLT-FM 100.3 WNKO 101.7	Tonkawa	KAYE-FM 90.5 KBEZ 92.9	Franklin Freeland	WQEQ 103.1	Telford	WRMR 89
lew Concord	WMCO 90.7	Tulsa	KRAV 96.5	Gettysburg	WGET-FM 107.7 WZBT 90.3	Towanda Tyrone	WTTC-FM 95 WGMR 101
lew Lexington	WWJN 106.3 WNPQ 95.9		KWEN 95.5 KMOD 97.5	Girard	WGAE 88.3	Union City	WCTL 106
lew Philadephia Iorwalk	WLKR-FM 95.3		KCFO 98.5	Greencastle-Way	nesboro WKSL 94.3	Uniontown Warminster	WPQR-FM 99 WCSD-FM 89
Orberlin Ottawa	WOBC 88.7 WPNM 106.3		KTFX 103.3 KWGS 89.5	Greensburg	WOKU-FM 107.1	Warren	WRRN 92 WYTK 95
xtord	WMUB 88.5	Weatherford	KWEY-FM 97.3	Greenville	WGRP-FM 107.1 WTGP 88.1	Washington	WJCR 88.
Piqua .	WOXY 97.7 WPTW-FM 95.7	Woodward	KSIW-FM 93.5	Grove City	WEDA-FM 95.1	Waynesburg	WANB-FM 103 WCYJ-FM 88
Port Clinton	WOSE 94.5	OPI	EGON	Harrisburg	WSDAJ-FM 89.5 WHP-FM 97.3	Wellsboro	WGCR 97
ortsmouth	WPAY-FM 104.1 WNXT-FM 99.3	1			WMSP 94.9 WSFM 99.3	West Chester Wilkes-Barre	WLSH-FM 89 WBRE-FM 98
		ALbany	KHPE 107.9		WTPA-FM 104.1	" IIRES-Daire	WCLH 90.
Reading Salem	WRCJ 89.3 WSOM-FM 105.1	ALBUM,	KRKT-FM 99.9	Havertown	WHHS 89.3		WRKC 88.

Location	Call MH	Location	Call MHz	Location	Call MHz	IS BY LOCA	
Williamsport	WILQ-FM 105.	1	KIOV 104.7	Soddy Daisy	WZDQ 102.3		
	WKSB 102. WRLC 91.		KBHU-FM 89.1	Sparta	WSMT-FM 105.5	Gatesville Georgetown-Round Rock	KMCS 98.3
	WRAK 102.	7 Sturgis	KSTI-FM 88.5 KRCS 93.1	Springfield Summertown	WDBL-FM 94.3 WUTZ 88.3	Glimer	N-FM 96.7 KNIF 95.3
York	WWAS 88. WQXA 105.	1 Vermillion	KUSD-FM 89.9 KVRF 102.3	Sweetwater	WDEH-FM 95.3	Graham Ki	VKQ 107.1
	WVYC 88.	1 Watertown	KDLO-FM 96.9	Tuilahoma Union City	WBGY-FM 104.9 WALR-FM 104.9	Greenville	KIKT 93.5 KELT 94.5
York-Hanover	WSBA-FM 103.3 WYCR 98.5	5	KWAT-FM 96.1 KIXX 96.1	Waverly	WVRY 104.9		KIWW 96.1
		Winner	KWYR-FM 93.7	TE	XAS		I-FM 100.1 I-FM 106.3
RHODE	ISLAND	Yankton	KQHU 104.1	Abilene		Highland Park-Dallas	
Coventry	WCVY 91.5		NESSEE	Alamo	KEAN-FM 105.1 KJAV 104.9		-FM 103.7 -FM 102.5
Kingston Middletown	WRIU 88.5 WOTB 107.1	Athens	WJSG 101.7		KFMN 99.3 KORQ 100.7	Houston KHCE	-FM 105.7
Portsmouth	WJHD 90.7	Bolivar	WVST 96.7	Alice	KBIC 102.3		K-FM 95.7
Providence	WPJB-FM 105.1 WBRU 95.5	Brownsville	WXBQ-FM 96.9 WTBG 95.3	Alvin	KXMS 92.1 KACC 91.3		'-FM 100.3 (FMK 97.9
	WDOM 91.3	Camden	WRJB 98.3 WRKM-FM 102.3	Amarillo	KACV-FM 89.9	KLOL	-FM 101.1
	WHJY 94.1 WLKW-FM 101.5	Centerville	WHLP-FM 96.7		KTYX-FM 98.7" KQIZ-FM 93.1	,	ODA 99.1 KPFT 90.1
Smithfield	WPRO-FM 92.3 WJMF 91.5	Chattanooga	WDOD-FM 96.5 WDYN 89.7	1	KZIP 98.7 KGNC-FM 97.9		KLEF 94.5
Westerly	WERI-FM 103.7		WMBW 88.9		KWAS 101.9		QUE 102.9 RBE 104.1
Woonsocket	WWON-FM 106.3		WUTC 88.1 WSKZ 106.5		KBUY 94.1 KFRN 98.7		SRR 96.5
SOUTH C	AROLINA	Cleveland	WDEF-FM 92.3	Andrews	KACT-FM 105.5		(TSU 90.9 (UHF 88.7
			WQNE 98.3 WQNE 98.3	Arlington Atlanta	KWJS 94.9 KPYN 99.3		KRLY 93.7 KTRU 91.7
Alkens	WPBM-FM 95.9 WAKN-FM 99.3		WYSH-FM 104.9	Austin	KHFI-FM 98.3	Huntsville KSAN	-FM 101.7
Anderson	WAIM-FM 101.1	Columbia	WSMC 101.7 WKOM 101.7		KASE 100.7 KMFA 89.5	Jacksonville K	(SHU 97.1 OOI 106.5
Bamberg	WANS-FM 107.3 WWBD-FM 92.7	, Joone III.	WHUB-FM 98.3 WPTN-FM 94.3		KOKE-FM 95.5	Jasper KTX.	-FM 102.3
Barnwell Batesburg	WBAW-FM 101.7 WKWQ-FM 92.1		WTTU 88.5		KLBJ-FM 93.7 KAZI 88.7		(SUC 88.3 (PFM 94.3
Beaufort	WBEU-FM 98.7	Crossville	WKBL-FM 93.5 WCSV-FM 99.3		KUT-FM 90.5 KMXX 102.3	Kileen KiX	S-FM 93.3
Camden	WERV 89.9 WPUB-FM 94.3	Dayton	WNFM 104.9	Ballinger	KRUN 103.1	Kligore-Longview	T-FM 91.3 KKTX 95.5
Cayce	WZLD 98.7	Dyersburg	WTNQ 102.3 WASL 101.1	Beaumont	KAYD 97.5 KQXY 95.1		KPUP 97.7 KTAI 91.9
Charleston	WXTC 96.9 WCEW 90.9	Elizabethton Etowah	WIDD-FM 99.3 WMCC 103.3		KALO-FM 95.1		MUZ 104.9
	WEZL 103.5	Fayetteville	WYTM-FM 105.5		KVLU 91.3 KWIC 107.7	Lake Jackson K Lamesa K	GOL 107.3 COT 104.7
	WSCI 89.3 WPXI 95.1	Gallatin	WIZO-FM 100.1 WVCP 88.5	Beeville	KJDF 104.9	Lampasas	KLTD 99.3
Cheraw Chester	WPDZ 103.1 WCMJ 99.3	Camatini	WWKK 104.5	Belton	KCWW 104.9 KTON-FM 106.3		OYE 92.7 HDC 105.5
Ciemson	WSBF-FM 893	Greeneville	WLVS 94.3 WOFM 94.9	Big Spring Bishop	KFNE 95.3 KFLZ 107.9	Livingston KET	X-FM 92.1
Columbia	WCOS-FM 97.9 WNOK 104.7	Henderson	WFHC-FM 91.5	Bonham	KFYZ-FM 98.3	Longview-Tyler-Marshall K	YKX 105.7
	WMHK 89.7	Humboldt	WBYQ 92.1 WIRJ-FM 102.3	Borger Brady	KDKQ 104.3 KIXV 95.3		L-FM 93.7 TEZ 101.1
	WUSC-FM 91.9 WBCT 90.5		WPVG 100.9 WKIR 104.1	Brenham	KWHI-FM 106.3	KLB	K-FM 94.5
	WUSC-FM 89.9		WJHR 103.1	Brownsville	KBUV 100.3 KRIX 99.5		L-FM 96.3 KLSD 91.1
	WXRY-FM 93.5 WLTR 91.3		WSBM 99.3 WDEB-FM 100.1	Brownwood	KLSN 99.3 KOXE 101.5	KTX	T-FM 90.7
Conway Darlington	WLAT-FM 104.1 WDAR-FM 105.5	Jefferson City	WSBM 99.3	Bryan	KORA-FM 98.3		KDEY 99.3
Dillon	WDSC-FM 92.9	Johnson City	WQUT 101.5 WETS 89.5	Burnet Canyon	KHLB-FM 107.1 KWTS 91.1	Martin	KLMT 96.7
Easley Florence	WELP-FM 103.9 WSTN 103.1	Kingsport	WCSK 90.3	Center	KLCR 102.3		BWC 91.1 -FM 103.9
Gaffney	WAGI-FM 105.3	Knoxville	WKPT-FM 98.5 WIMZ 103.5	Clear Lake City Cleburne	KMJQ 102.3 KFAD 94.9	McAllen I	QXX 98.5 UMV 96.9
Georgetown	WGMB 97.7 WSHG 106.3		WEZK 97.5 WIVK-FM 107.7	Coleman	KSTA-FM 107.1	McKinney K	MMK 95.3
Greenville	WEPR 90.1 WESC-FM 92.5		WKCS 91.1	College Station	KAMU-FM 90.3 WTAW-FM 92.1	Midland K	NFM 92.3 VMJ 103.3
	WFBC-FM 93.7		WUOT 91.9 WUTK 90.3	Columbus Commerce	KULM 98.3 KETR 88.9		(BAT 93.3
WPLS-FM	WMUU-FM 94.5 91.5	Lawrenceburg	WDXE-FM 95.9	Conroe	KMCV 106.9	Mineral Wells K	O-FM 96.7 MWT 95.9
Greenwood	WCRS-FM 96.7	Lebanon	WFMO 91.3 WLCH 88.7	Copperas Cove Corpus Christi	KOOV 103.1 KZFM 95.5	Monahans I	(GEE 99.9
Hampton Hilton Head Island	WJBW-FM 103.1 WHHR 106.3		WFMQ 88.9 WCOR-FM 107.3		KQIV 91.9	Muleshoe KMUL	PX1 100.7
ionea Path (ingstree	WRIX-FM 103.1 WWKT-FM 100.1	Lenoir City	WLIL-FM 93.5		KIOU 96.5 KEXX-FM 93.9	Nacogdoches	(TBC 92.1 (SAU 90.1
ake City	WGFG-FM 100.1	Lewisburg Lexington	WJJM-FM 94.3 WZLT 99.3	Corsicana Crockett	KCIR 107.9 KIVY-FM 92.7	K	EFM 103.3
ancaster aurens	WPAJ-FM 107.1 WGXL 100.5	Livingston Lobelville	WLIV-FM 95.9	Dathart	KXIT-FM 95.9	New Braunfels	(NBO 95.9 (NBT 92.1
Manning Marion	WTME 92.1 WATP-FM 94.3	Manchester	WPCT 94.3 WMSR-FM 99.7	Dallas	KKDA 104.5 KCCD 102.9	Odessa	KKK 99.1 KQIP 96.9
Moncks Corner	WTWF 105.5	Martin	WCMT-FM 101.7 WUTM 90.3	Į .	KCBI 89.3		UFO 97.9
Aullins Ayrtle Beach	WCIG 107.1 WMYR-FM 92.1	McKenzie	WKTA 106.3		KNUS 98.7 KOAX 105.3	Orange K2	L-FM 97.9 OM 104.5
	WKZQ 101.7	McMinnville Memphis	WHNR 103.9 WHRK 97.1		KAFM 94.5 WFAA-FM 97.9	K	IOC 106.1
I. Myrtle Beach I. Charleston	WNMB 105.5 WKTM 102.5		WMC-FM 99.7		WRR-FM 101.1	Palestine	(RCT 94.3 KLIS 94.3
rangeburg	WPJS 106.7		WCBC 91.1 WEVL 90.3		KVTT 91.7 KMEZ 100.3		KHIM 98.3 EUA 100.3
	WFCM 91.9 WORG-FM 103.9		WEZI 105.9 WSWM 91.7		KDTX 102.9	Paris K	ACW 99.3
ageland ock Hill	WCPL 102.3 WPRV 88.9		WLYX 89.3		KZAG 90.1 KRSM 89.3		(TXU 99.3 (YND 92.5
t. George	WQIZ-FM 107.5		WMPS-FM 97.1 WQOX 88.5		KERA-FM 90.1 KNON 90.9		KJIC 89.3
eneca	WDWQ 107.5 WBFM 98.1		WSMS 91.7	Dallas-Ft. Worth	KAFM 92.5		E-FM 95.9 N-FM 90.7
partanburg	WSPA-FM 98.9		WZXR 102.7 WQUD 104.5	Del Rio Denison-Sherman	KLKE 94.3 KDSQ 101.7	Plainview I	(ATX 97.3
ummerville umter	WWWZ 93.5 WWDM 101.3		WKNO-FM 91.1		KGCC 89.7	Pleasanton KBO	P-FM 98.3
	WMPR 88.1	Milan	KWAM-FM 101.1 WKBJ-FM 92.3	Denton	KDDC 106.1 KNTU 88.1	Port Arthur KYK	R-FM 93.3 (HYS 98.5
urfside Beach-Ga	WYCK-FM 103.1	Morristown Murireesboro	WAZI 95.9 WKOS 96.3	DiBoll Dumas	KSPL-FM 95.5	Portland F	(ITE 105.5
/alterboro /est Columbia	WKYP 100.9 WSCQ 100.1	1	WMOT 89.5	Eagle Pass	KMRE 95.3 KINL 92.7	Port Lavaca KGUL Prairie View	FM — 95.9 (PVU 91.3
		Nashville	WZEZ 92.9 WKDF 103.3	Edinburg	KESI 107.9 KULY 107.9	Richardson	KSLL 88.1
SOUTH D	ARUIA		WKQB 105.9 WKDA-FM 103.3	El Campo	KULP-FM 96.9		B-FM 99.9
berdeen .	KOAA 94.9		WPLN 90.3	El Paso	KTEP 88.5 KLAQ 95.5	Rosenberg KFRD	-FM 104.9 WRW 97.7
rook Ings	KSDN-FM 94.1 KBRK-FM 94.3		WNAZ-FM 88.9 WRVU 91.1		KEZB 96.3	San Angelo K	WLW 93.9
regory	KEST 88.3 KFKX 101.5		WXEX 92.9		KINT-FM 97.5 KLOZ 102.1	Kix	Y-FM 94.7 KBIL 92.9
of Springs	KOBH-FM 101.5		WSIX-FM 97.9 WSFM 95.5		KSET-FM 94.7 KFIM 92.3		KSJT 97.5
uron adison	KIJV-FM 92.1 KJAM-FM 103.1	Oak Ridge	WATO-FM 94.3		KAMA-FM 93.1	San Antonio	L-FM 92.9 KISS 99.5
itchell	KMIT 105.9	Oak Ridge-Knoxy	WDNX 89.1		KPAS 93.9 KTSM-FM 99.9	K	ZZY 100.3
obridge .	KORN 107.3 KOLY-FM 99.5	Onelda Paris	WBNT-FM 105.5 WTPR-FM 105.5	Fabens	KLMF-FM 103.1	K	I-FM 97.3 /AR 104.5
erre apid City	KNEY 95.3 KGGG-FM 100.3	Pikesville	WIKU 91.3	Floresville Fort Stockton	KWCB 94.3 KPJH 94.3		KITY 92.9 MFM 96.1
apid Oily	KVSR 97.9	Pulaski Red Bank	WMGL 98.3 WJTT 94.3	Fort Worth	KSCS 96.3	K	RTU 91.5
	KKHJ 93.9 KTEQ 88.1	Savannah	WKWX 93.5		KESS 93.9 KXOL 99.5		0XT 101.9 A-FM 90.3
oux Falls	KAUR 89.1	Sevierville	WORM-FM 101.7 WSEV-FM 102.1		KTXQ 102.1 KNOK-FM 107.5	KT	FM 102.7
	KELO-FM 92.5 KCFS 90.1	Sewanee	WUTS-FM 91.5		KTCU-FM 88.7	Seguin KWED	CW 103.7 FM 105.3
	KCHF-FM 93.5	Shelbyville	WTCV 93.1 WYCQ 102.9	Fredericksburg	KFJZ-FM 97.1 KFAN 101.1	Sherman KIKA	1-FM 96.7 DX 101.7
	KNWC-FM 96.5	Signal Mountain					

U.S. FN	NOITATE N	NS BY LC	CATION				
Location	Call MHz	Location	Call MHz	Location	Call MHz	Location	Call MHz
	KOUL 103.3		WWWV 97.5	Ocean Shores	KDUX-FM 104.Z	Baraboo	WLVE 94.9
Slaton	KJAK 92.7	Chananaska	WTJU 91.3 WFOS 90.5	Olympia Omak	KAOS 89.3 KOMW-FM 92.7	Beaver Dam Beloit	WXRO 95.3 WBCR-FM 88.1
Snyder Sonora	KSNY-FM 101.7 KVRN-FM 92.1	Chesapeake Chester	WDYL 92.1	Opportunity	KZUN-FM 96.1	Berlin	WISS 102.3
Spearman	KRDF-FM 98.3	Covington	WIQQ-FM 100.9	Pasco Prosser	KOLU 90.1 KACA 101.7	Brule Burlington	WHSA 89.9 WBSD 89.1
Stephenville Sweetwater	KWWM 98.3 KXOX-FM 96.7	Crewe Culpeper	WSVS-FM 104.7 WCUL 103.1	Providence	WPJB-FM 105.1	Chilton	WPEN-FM 89.3
Taylor	KRGT 92.1	Danville	WAKG 103.3	Pullman	KQQQ 104.9	Chippewa Falls	WCFW 105.5 WHWC 88.3
Temple Terrell	KPLE 104.9 KLTR-FM 107.1	Exmore Farmville	WEXM-FM 107.5 WFLO-FM 95.7	Richland	KZUU 90.7 KORD-FM 102.7	Colfax Detafield	WHAD 90.7
Terrell Hils	KTUF 106.3		WUTA 90.1		KIOK 94.9	Dodgeville	WDMP-FM 107.1 WRDN-FM 95.9
Texarkana	KTAL-FM 98.1	Front Royal Fredericksburg	WIXV 95.3 WEVA-FM 101.5	Seattle	KXDD 106.3 KING-FM 98.1	Durand Eagle River	WERL-FM 94.3
Tyler	KTYL-FM 93.1 KROZ 92.1	riedencksdurg	WFLS-FM 93.3	Counc	KEZX 98.9	Eau Claire	WIAL 94.1
	KNUE 101.5	Galax	WBOB-FM 98.1 WGAT-FM 104.9		KCMU 90.5 KBLE-FM 93.3		WAXX 104.5 WBIZ 100.7
Uvalde Vernon	KYUF 95.3 KVWC-FM 102.3	Gate City Gretna	WMNA-FM 103.3		KPLZ 101.5		WUEC 89.7
/ictoria	KTXN-FM 98.7	Gozet	WCMZ 102.3		KSEA 100.7 KISW 99.9	Ford du Lac Fort Atkinson	WFON 107.1 WFAW-FM 107.3
	KCWM 95.1 KZEU 107.9	Grundy Hampden-Sydney	WNRG-FM 97.7		KYYX 96.5	Green Bay	WIXX 101.1
Waco	KNFO 95.5	riampuer-oyuney	WWHS-FM 91.7		KNHC 89.5	4	WGBP-FM 90.1 WGBW 91.5
	KWTX-FM 97.5	Hampton	WWDE-FM 101.3 WHOV 88.3		KMPS-FM 94.1 KRAB 107.7	•	WDUZ-FM 98.3
	KWBU 107.1 KHOO 99.9	Harrisonburg	WEMC 91.7		KUOW 94.9	Hartford	WTKM-FM 104.9
Vichita Falls	KLUR 99.9		WGBK 104.3		KIXI-FM 95.7 KZOK-FM 102.5	Hayward Highland	WHSM-FM 101.7 WHHI 91.3
	KNTO 103.3 KBID 92.9		WMRA 91.1 WQPO 100.7	Spokane	KREM-FM 92.9	Holmen	WHLA 90.3
	KBID 32.9	Highland Springs	WHCE 91.1		KMBI-FM 107.9	Janesville	WJVL 99.9
UT	AH	Kilmarnock	WKWI 101.7		KDNC-FM 93.7 KEZE-FM 105.7	Kaukauna Kenosha	WKAU-FM 104.9 WLIP-FM 95.1
•		Lexington Lorton	WLUR 91.5 WDCJ 88.1		KICN 98.9	Kenosiia	WGTD 91.1
Beaver Brigham City	KBBD 90.1 KBUH-FM 107.1	Louisa	WLSA 105.5 WLCC 106.3		KSFC 91.1 KXLY-FM 99.9	Kewaunee La Crosse	WAUN 92.7 WLSU 88.9
Cedar City	KGSU-FM 90.1	Luray	WEEH 103.9		KXLY-FM 99.9 KHO-FM 98.1	La Crosse	W SPL 95.9
•	KBRE-FM 94.9		WQAA 103.9		KRWS 90.3		WIZM 93.3
Centerville	KSUB-FM 92.5 KCGL 105.5	Lynchburg	WKZZ 100.1	Suppyride	KDRK 93.7 KREW-FM 96.7	Ladysmith	WLXR 104.9 WWIB 92.9
Ephraim	KEPH 89.5		WGOL 98.3 WRVL 88.3	Sunnyside Tacoma	KPEC-FM 90.9	Madison	WERN 88.7
Gunnison	KGVH 91.7 KBLW-FM 92.9		WWLC 90.3		KRPM-FM 106.1		WIBA-FM 101.5
ogan	KUSU-FM 91.5	Manassas	WEZR 106.7 WMEV-FM 93.9		KPLU-FM 88.5 KNBQ 97.3		WORT 89.7 WISM-FM 98.1
	KJKJ 94.5	Marion	WOLD-FM 102.3		KTOY 91.7		WZEE 104.1
Manti Mount Pleasant	KMXU 105.1 KMTP 91.1	Martinsville	WMVA-FM 96.3	Tan C	KUPS 90.1	Mantiowoc	WNWC 102.5 WKUB 92.1
Neola	KUUU 88.1	Newport News Nortolk	WGH-FM 97.3 WCMS-FM 100.5	Tacoma-Seattle Toppenish	KBRD 103.9 KENE-FM 92.7	Marinette Marinette	WHMD 91.5
gden	KQPD 101.9	MOHOIK	WNOR-FM 98.7	Walla Walla	KEXI 93.3		WLST 95.1
	KZAN 97.9 KDAB 101.1		WOWI 102.9		KSXT 97.1 KUJ-FM 95.7	Marshfield	WDLB-FM 106.5 WLJY 106.5
	KWCR-FM 88.1		WKEZ 95.7 WNSB 91.1		KWCW 90.5		WMSE 91.7
)	KVFM 95.5 KOHS 91.7		WQRK 104.5	Wenatchee	KPQ-FM 102.1	Mauston	WRJC-FM 92.1 WIGM-FM 99.3
) rem	KABE 107.1		WHRO-FM 89.5 WXRI 105.3	Yakima	KIAM-FM 104.9 KUEZ 106.3	Medford Menomonee	WMEQ 92.1
ank City	KPCW 91.9		WYFI 99.7	1 GKIIIIG	KDNA 91.9	Menomonee Fails	WVSS 90.7
Parowan Pleasant Grove	KPWN 90.9 KPGR 88.1	Norton	WNVA-FM 106.3		KFFM 107.3 KATS 94.5	Merrill	WXJY 98.3 WJMT-FM 93,5
Price	KARB 98.3	Onley-Onancock Orange	WSER-FM 103.3 WJMA 96.1		KYBO 98.3	Middleton	WWQM-FM 106.3
Provo	KBYU-FM 88.9 KAYK-FM 100.3	Petersburg	WPLZ 99.3		KYSC 88.5	Milwaukee	WFMR 96.5 WZUU 95.7
	KRMQ 94.9		WPVA-FM 95.3 WNHS 88.7				WLPX 97.3
Richfleld	KJMC 93.7	Portsmouth Pound	WWLM 102.3	WEST	/IRGINA		WRIT-FM 102.9
Roosevelt St. George	KUHS 90.9 KZEZ 93.5	Pulaski	WPUV-FM 107.1	Beckley	WBKW 99.5		WLUM-FM 102.1 WQFM 93.3
St. George	KRDC-FM 97.1	Radford	WRAD-FM 101.7 WRRC 89.9		WCIR-FM 103.7		WKTI 94.5
Salt Lake City	KCPX-FM 98.7 KRCL 90.9	Richlands	WGTH 105.5	Berkley Springs	WVPB 91.7 WCST-FM 93.5		WMSE 91.7
	KALL 94.1	Richmond	WTVR-FM 98.1	Bethany	WVBC 88.1		WVCY 107.7 WNUW 99.1
	KRSP-FM 103.5		WEZS 103.7 WRFK-FM 106.5	Bluefield	WHAJ 104.5 WBDY 106.3		WUWM 89.7
	KSFI 100.3 KSOP-FM 104.3		WRVQ-FM 94.5	Buckhannon	WVPW 89.9	Minocqua	WYMS 88.9 WWMH 95.9
	KWHO-FM 93.3		WRXL 102.1 WDCE 90.1	0	WVWC 89.9	Monroe	WEKZ-FM 93.7
	KLUB-FM 97.1 KRCL 90.9	Roanoke	WPVR 94.9	Charleston	WQBE 97.5 WBES 96.1	Neenah-Menasha	WEMI 100.1 WAHC 96.7
Spanish Fork	KTMP 106.3		WSLQ 99.1 WVWR-FM 89.1		WKNA 98.5	Oshkosh	WROE 94.3
Tooele	KLTE 92:1		WLRG 92.3		WTIO 102.7 WVAF 99.9	Neillsville	WCCN-FM 107.5
/ernal	KUIB 89.1 KUIN 92.7	Salem	WJLM 93.5		WVPN 88.5	New London New Richmond	WLIH-FM 93.5 WIXK-FM 107.1
	KON 32.7	South Boston South Hill	WJLC-FM 97.5 WSHV 105.5	Charles Town	WZFM 98.3	Oconto	WOCO-FM 107.1
VER	MONT	Staunton	WSGM 93.5	Clarksburg	WGRT-FM 106.5 WPDX-FM 104.9	Oshkosh	WMKC 96.7
		Suffolk-Norfolk	WFOG 92.9		WVHF-FM 92.7	· ·	WRST-FM 90.3 WOSH 103.9
Barre Bellows Fatis	WORK 107.1 WTIJ 107.1	Sweet Briar Tappahannock	WUDZ 91.5 WRAR-FM 105.5	Elkins	WCDE 90.3		WYTL 103.9
Bennington	WHGC 94.3	Tazewell	WTZE-FM 100.1	Fairmont	WWFC 90.9 WFGM 97.9	Park Falls	WNBI-FM 98.3
3rattleboro	WKVT-FM 96.7	Warrenton	WEER-FM 107.7 WQRA 94.3	Fort Gay	WFGH 89.5	Platteville	WSUP 90.5
Burlington	WMMJ 96.7 WQCR 98.9	Warsaw	WNNT-FM 100.9	Grafton	WQIT-FM 100.9 WEMM 107.9	Portage	WSWW-FM 99.3 WPDR-FM 100.1
J	WRUV 90.1	Williamsburg	WBCI-FM 96.5	Huntington	WMUL 88.1	Port Washington	WGLB-FM 100.1
Castleton	WEZF 92.9 WIUV 91.3		WCWM 89.1 WMBG 96.5		WHEZ 103.3	Prairie du Chien Racine	WPRE-FM 94.3 WRKR 100.7
Colchester	WWPV-FM 88.7	Winchester	WQUS 92.5		WKEE-FM 100.5 WHPW 89.3	nacine	WFNY 92.1
ast Montpelier	WVEP 88.3. WJSC-FM 91.5	Woodheide	WEFG 102.5 WVKX 105.9	Keyser	WKLP-FM 94.1	Reedsberg	WRDB-FM 104.9
Johnson Lyndonville	WWLR 91.7	Woodbridge Yorktown	WYCS 91.5	Logan Martinsburg	WVOW-FM 101.9 WEPM-FM 97.5	Rhinelander Rice Lake	WRHN 107.9 WJMC-FM 96.3
Middlebury	WRMC-FM 91.7 WCVM 100.9		WYVA-FM 94.1	Milton	WNST-FM 106.3	Richland Center	WRCO-FM 100.9
Montpelier	WCVM 100.9 WNCS 96.7	144.4.6.11	NOTON	Morgantown	WAJR-FM 101.9 WCLG-FM 100.1	Ripon	WYUR-FM 90.1 WRPN 90.1
Northfield	WNUB-FM 89.1	WASH	INGTON		WVPM 90.9	River Falls	WEVR-FM 106.3
Plainfield Putney	WGDR 91.1 WVUS 88.9	Aberdeen	KDUX-FM_104.7	Mount Hope	WTNJ 1105.9	Sauk City	WRFW 87.7 WVLR 96.7
Randolph Center	WVTC 90.7	Auburn	KJMD 99.3 KGRG 88.9	New Martinsville Oak Hill	WKGI 103.9 WJRL 94.1	Schofield	WESD 89.1
Rutland	WHWB-FM 98.1 WRUT 97.1	Bellevue	KZAM-FM 92.5	Parkersburg	WQAW 103.1	Shawano	WOWN 99.3
St. Albans	WLFE 102.3		KASB 89.3		WIBZ 99.3 WXIL 95.1	Sheboygan	WWJR 97.7 WSHS 91.7
Springfield	WCFR-FM 93.5	Bellingham	KBCS 91.3 KVGM 92.9	Pennington Gap	WSWV-FM 105.	Shell Lake	WGMO 95.3
Stowe	WMTF 91.5 WRFB 101.7	Seninginami	KNWR 104.3	Philippi	WQAB 91.3	Sparta	WCOW-FM 97.1 WSPT 92.9
White River Junc	tion		KISM 92.9 KUGS 89.3	Princeton Rainelle	WAEY-FM 95.9 WRRL-FM 96.7	Stevenspoint	WSUS 89.9
	WNHV-FM 95.7		KERI 104.3	Romney	WJGF 91.5		WWSP 89.9
Windsor	WVPR 89.5	Bremerton	KWWA 106.9	St. Albans	WKLC-FM 105.1 WITB-FM 91.1	Sturgeon Bay Sun Prairie	WDOR-FM 95.9 WYXE 92.1
MID	CINIA	Centralia	KELA-FM 102.9 KCED 91.3	Salem Shepherdstown	WSHC 88.7	Superior	WSSU 91.3
VIRG	GINIA	Cheney	KEWC-FM 89.9	Welch	WKJC 106.3		KZIO 102.5 WRVM 102.7
Abingdon	WABN-FM 92.7	Clarkston	KCLK-FM 94.1	Weston	WSSN 102.3 WKWK-FM 97.3	Suring Tomah	WHVM 102.7 WTMB-FM 98.9
Altavista	WKDE-FM 105.5 WCNV 107.9	College Place Edmonds	KGTS 91.3 KBIQ 105.3	Wheeling	WVMP 89.9	Two Rivers	WQTC 102.3
Amherst Appomattox	WTTX 107.1	Ellensburg	KXLE-FM 95.3		WCPI 98.7	Viroqua Watertown	WGBM 102.3 WTTN-FM 94.1
Arlington	WAVA 105.1	Hoquiam	KGHO-FM 103.9		WTRF 107.5 WPHP 91.9	Watertown	WCCX 104.5
Ashland	WYFJ 100.1 WWOO 105.5	Kennewick Longview	KONA-FM 105.3 KLYK 105.5	Williamson	WXCC 96.5		WMIL 106.1
Berryville Blg Stone Gap	WLSD-FM 93.5	Lynden	KLYN-FM 106.5			Waupaca Waupun	WDUX-FM 92.7 WLKE-FM 99.3
Blacksburg	WVVV 104.9	Mercer Island	KMIH 90.1 KWIQ-FM 99.3	WISC	ONSIN	Wausau	WDEZ 101.9
Blackstone	WUVT-FM 90.7 WBBC 93.5	Moses Lake	KSEM-FM 99.3	Antigo	WRLO-FM 104.9		WHRM 91.9
	11000 33.3	Mount Vernon	KSVR 90.1	Appleton	WLFM 91.1	k	WIFC 95.5
Bluefield Charlottesville	WBDY-FM 106.3 WQMC 95.3	Neah Bay	KRNB-FM 91.1		WAPL 105.7	Wauwatosa	WEZW 103.7

WSUW 91.7 VNNO-FM 107.1 WWRW 103.3 IING KAWY 94.5 KLEN 106.3 KFEO 97.9 KYDZ 90.1 KIEA 89.5 KMTN 96.9 KDL-FM 91.9 KUWR 91.9 KIOZ 102.9	Agana	KRKE 94.9 KLWD 96.5 KERM 96.3 KENB-FM 95.9 GUAM KUAM-FM 93.9 KSTO 95.5 RTO RICO WCMN-FM 107.3 WNIK-FM 106.5	Caguas Camuy Carolina Cidra Corozal Fajardo Guayama Hormigueros Isabela Levittown Luquillo Manati Maricao Mayaquez	WVJP-FM 103.3 WCHO-FM 102.9 WVOZ-FM 107.7 WBRO 97.7 WORO 92.5 WMDD-FM 94.7 WKF-FM 106.9 WGIT 92.1 WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1 WKJB-FM 99.1	San German San Juan Ultuado Vieques	Call MHz WRPC 95.1 WIPR-FM 91.3 WIAC-FM 102.5 WANT 93.7 WKAQ-FM 104.7 WKVM-FM 105.7 WPRM-FM 98.5 WIOB 99.9 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KAWY 94.5 KLEN 106.3 KEN 106.3 KFBO 97.9 KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KULY 97.5	Torrington Worland G Agana PUER Arecibo	KLWD 96.5 KERM 96.3 KENB-FM 95.9 SUAM KUAM-FM 93.9 KSTO 95.5 RTO RICO	Camuy Carolina Cidra Corozal Fajardo Guayama Hormigueros Isabela Levittown Luquillo Manati Maricao	WCHO-FM 102.9 WVOZ-FM 107.7 WBRQ 97.7 WBRQ 97.7 WMDD-FM 94.7 WXRF-FM 106.9 WGIT 92.1 WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	San Juan Utuado Vieques	WIPR-FM 91.3 WIAC-FM 102.5 WZNT 93.7 WKAQ-FM 104.7 WKVM-FM 105.7 WPRM-FM 98.5 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KAWY 94.5 KLEN 106.3 KFBO 97.9 KYDZ 90.7 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	Worland G Agana PUER Arecibo	KERM 96.3 KENB-FM 95.9 KUAM KUAM-FM 93.9 KSTO 95.5 RTO RICO WCMN-FM 107.3	Carolina Cidra Cidra Corozal Fajardo Guayama Hormigueros Isabela Levittown Luquillo Manati Maricao	WVOZ-FM 107.7 WRO 97.7 WORO 92.5 WMDD-FM 94.7 WXRF-FM 106.9 WGIT 92.1 WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Uluado Vieques	WIAC-FM 102.5 WZNT 93.7 WKAQ-FM 104.7 WKVM-FM 105.7 WPRM-FM 98.5 WIOB 99.9 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KAWY 94.5 KLEN 106.3 KFBQ 97.9 KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	Agana PUER Arecibo	KUAM-FM 93.9 KSTO 95.5 RTO RICO	Cidra Corozal Fajardo Guayama Hormigueros Isabela Levittown Luquillo Manati Maricao	WBRQ 97.7 WORO 92.5 WMDD-FM 94.7 WXRF-FM 106.9 WGIT 92.1 WXSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WZNT 93.7 WKAO-FM 104.7 WKVM-FM 105.7 WPRM-FM 98.5 WIND 99.9 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KAWY 94.5 KLEN 106.3 KFBQ 97.9 KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	Agana PUER Arecibo	KUAM-FM 93.9 KSTO 95.5 RTO RICO	Fajardo Guayama Hormigueros Isabela Levittown Luquillo Manati Maricao	WORO 92.5 WMDD-FM 94.7 WXRF-FM 106.9 WGIT 92.1 WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WKAO-FM 104.7 WKVM-FM 105.7 WPRM-FM 98.5 WIOB 99.9 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KAWY 94.5 KLEN 106.3 KFBQ 97.9 KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	Agana PUER Arecibo	KUAM-FM 93.9 KSTO 95.5 RTO RICO	Guayama Hormigueros Isabela Levittown Luquillo Manati Maricao	WXRF-FM 106.9 WGIT 92.1 WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WKVM-FM 105.7 WPRM-FM 98.5 WIOB 99.9 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KLEN 106.3 KFBQ 97.9 KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	PUER Arecibo	RTO RICO WCMN-FM 107.3	Hormigueros Isabela Levittown Luquillo Manati Maricao	WGIT 92.1 WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WIOB 99.9 WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KFBQ 97.9 KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	PUER Arecibo	RTO RICO WCMN-FM 107.3	Isabela Levittown Luquillo Manati Maricao	WKSA-FM 101.5 WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WRTU 89.7 WUPR-FM 104.1 WLID 98.9
KYDZ 90.1 KIEA 89.7 KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	Arecibo	RTO RICO	Levittown Luquillo Manati Maricao	WJDZ 88.9 WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WUPR-FM 104.1 WLID 98.9
KIEA 89,7 KOLL-FM 93.5 KMTN 96,9 KDLY 97.5 KUWR 91.9	Arecibo	WCMN-FM 107.3	Manati Maricao	WZOL 92.1 WMLD 96.9 WAEL-FM 96.1	Vieques	WLID 98.9
KOLL-FM 93.5 KMTN 96.9 KDLY 97.5 KUWR 91.9	Arecibo	WCMN-FM 107.3	Maricao	WAEL-FM 96.1	i i	
KMTN 96.9 KDLY 97.5 KUWR 91.9		WCMN-FM 107.3 WNIK-FM 106.5			WIRCHNI	
KDLY 97.5 KUWR 91.9		WNIK-FM 107.5	Mayaquez	WKJB-FM 99 1		
	Aquada		4		VIRGINI	SLANDS
KIOZ 102.9		WRFE 105.5		WIOA 97.5 WOYE-FM 94.1	Charlette America	
WOULD DO 4	Aguadilia	WIVA-FM 100.3	Ponce	WZAR 101.9	Charlotte Amalie	WIBS 97.9
KCWC 88.1	2	WTPM 92.9		WOQI 93.3	Christiansted	WCRN 101.1 WIVI-FM 99.5
	Bayamon			WIOC 105.1	Frederiksted	WVIS 106.7
KLLK 99.9				WREI 98.3	St. Thomas	WIUJ 88.9
		WX1X 100.7	Rio Piedras	WFID 95.7		WCRN 101.1
					7	
C.L. Chan.	Location	C.L. Chan.	Location	C.L. Chan.	Location	C.L. Chan
		U.S. TV	KIAK 93.5 KOSW 96.5 KLLK 99.9 U.S. TV STATION C.L. Chan. Location C.L. Chan.	KIAK 93.5 KOSW 96.5 KLLK 99.9 Bayamon WRSJ-FM 100.7 WGSY 94.7 WGSY 94.7 WXYX 100.7 Quebradillas Rio Piedras C.L. Chan. Location C.L. Chan. Location	KIAK 93.5 KULK 99.9 Bayamon WRSJ-FM 100.7 WGSX 94.7 WGSX 94.7 WREJ 98.3 WFID 95.7 U.S. TV STATIONS BY LOCATION C.L. Chan. Location C.L. Chan.	KIAK 93.5 KILK 99.9 Bayamon WRSJ.FM 100.7 WGSX 94.7 WGX 94.7 WXYX 100.7 U.S. TV STATIONS BY LOCATION C.L. Chan. Location

Anniston	WHMA-TV (40) C
Birmingham	WBRC-TV (6) A
	WBIQ (10) E
	WAPI-TV (13) N
	WBMG-TV (42) C
Demopolis	WIIQ (41) E
Dothan	WTVY (4) C
	WDHN (18) A
Dozler	
Florence	WDIQ (2) E
Florence	WOWL-TV (15) N
	WFIQ (36) E
Huntsville	WHNT-TV (19) C
	WHIQ (25) E
	WAAY-TV (31) A
Huntsville-Decatur	WAFF (48) N
Louisville	WGIQ (43) E
Mobile	WKRG-TV (5) C
	WALA-TV (10) N
	WEIQ (42) E
Montgomery	WSFA-TV (12) N
	WCOV-TV (20) C
	WAIQ (26) E
	WKAB-TV (32) A
Mount Cheaha Stat	Dark (JZ) A
mount Cheana Stat	WOLO (7) F

ALASKA

Selma Tuscaloosa

Anchorage	KENI-TV (2) N
	KAKM (7) E
	KTVA(11) C
	KIMO (13) A
Bethel	KYUK-TV (4) E
Fairbanks	KFAR-TV (2) A, N
	KUAC-TV (9) E
	KTVF (11) C
Juneau.	KTOO-TV (3) E
	KINY-TV (6) A N
Sitka	KINY-TV (6) A, N KIFW-TV (13) C
	(10) 0

ARIZONA

Flagstaff	KOAI (2) N
Phoenix	KTVK (3) A
	KPHO-TV (5) I
	KAET(8) E
	KOOL-TV (10) C
	KNXV-TV (15) I
	KPAZ-TV (21) I, S
	KTVW-TV (33) I
Phoenix-Mesa	KPNX-TV (12) N
Tucson	KVOA-TV (4) N
	KUAT-TV (6) E
	KGUN-TV (9) A
	KOLD-TV (13) C
Tucson-Nogales	KZAZ (11) I
Yuma	KYEL-TV (13) N
	()

ARKANSAS

Arkadelphia	KETG (9) E
Fayetteville	KAFT (13) F
Fayetteville-Spri	ngdale KTVP (29) A
Fort Smith	KFSM-TV (5) N
	KLMN (24) C
	KFPW-TV (40) A
Jonesboro	KAIT-TV (8) A
	KTEJ (19) E
Little Rock	KETS (2) E
	KARK-TV (4) N
	KATV (7) A
	KTHV (11) C

CALIFORNIA

Bakersfield	KPWR-TV (17) C
	KERO-TV (23) N
01.	KBAK-TV (29) A
Chico	KHSL-TV (12) C, N
Corona-Los	Angeles KBSC-TV
	(52) [

Location	C.L.	Chan
El Centro El Centro-Mexica Eureka	KIEM-	TV (9) C -TV (3) I TV (3) C (6) A, N
Fontana (Los An	KEE geles) i	(6) A. N T (13) E (TBN-TV (40) I,S F (18) E V (24) N
Fresno	KMT	(40) I,S F (18) E
	KFSN-T KJE	V (30) C O (47) A
Hanford-Fresno Huntington Beact Los Angeles	KA KETV h KOCE-T KN	IL (53) I (21) I, S V (50) E XT (2) C
	KABC- KHJ	TV (7) A -TV (9) I
	KCC	FV (11) OP (13)
	KWHY-TV KCE KMEX-TV	(22) I, S T (28) E
Modesto	KLOC-TV KMS	(34) I. S S (58) E
Monterey	KMC.	T (46) C
Oakland-San Fran	Iclana MT	VU (2) I
Oakland-San Fran Palm Springs	KAND T	VU (2) 1
railli Springs	KMIH-I	A (30) M
D . 4.41	KESQ-1	V (42) A
Redding	KIXE-	TV (9) E
Redding-Chico	KMIR-TY KESQ-T KIXE- KRCR-	ΓV (7) A
Sacramento	KCRA-1	(3) N (10) C
	KXT	/ (10) C
	KMUV-TV	(31) I, S
Sacramento-Stoci	ton KV	IE (6) E
Salinas-Monterey	KSBW-1	V (B) V
San Bernardino	KSC	Ci (18) i
	KVCR-T	/ (24) F
	KHOF-TV	(30) 1 5
San Diego	KHOF-TV KFMB-T	V (8) C
	KGT\ KPBS-T\ KCST-T\ KRON-T	(10) A
	KPBS-T	/ (15) E
	KCST-TV	(39) N
San Francisco	KRON-T	V (4) N
	Nr.	A IDI C
	KGO-T	V (7) A
	KOE	D /9) F
,	(EMO-TV	(20) I, S
	KTSF-TV	(26) I, S
	KTSF-TV KQEC	(32) E
	KVOF-TV KBHK-T	38) I, S
	KBHK-T	V (44) I
	KDTV (60) I, S
San Jose	KNTV	(11) A
	KDTV (KNTV KGSC-T	V (36) I
0. 1 0	KTEH	(54) E
San Louis Obispo	KSBY-T	V (6) N
San Mateo	KUSM-TV	(60) E
Santa Barbara	KCOY-TV	1 (3) A
Santa Maria	KCOY-IV	(12) C
Stockton-Sacrame	NIO KUVH	(13) A
Tijuana-San Diego	XET XEWT-T	V (6) A V (12) I
Visalla-Fresno		1 (26)
COLOI	RADO	
COLUI	VALUE	

COLU	MADO
Colorado Spring	-Pueblo
	KKTV (11) C
	KRDO-TV (13) A
Denver	KWGN-TV (2) I
	KOA-TV (4) N
	KRMA-TV (6) E
	KMGH-TV (7) C
	KBTV (9) A
Durango	KREZ-TV (6) C, N
Grand Junction	KREX-TV (5) C, N
	KJCT-TV (8) A
	KREY-TV (10) C, N
Montrose KR	EY-TV (10) A, C, N
Pueblo	KTSC (8) E
Pueblo-Colorado	
	KOAA-TV (5) N
Sterling	KTVS (3) C, A

New Britain-Hartford New Haven New Haven-Hartford WTNH-TV (8) A WEDN (53) E WATR-TV (20) N

DELAWARE

Wilmington WHYY-TV (12) E

DISTRICT OF COLUMBIA

OULO MOIA	
Washington	WRC-TV (4) N
	WTTG (5) i
	WJLA-TV (7) A
	WDVM-TV (9) C
	WDCA-TV (20) I
	WETA-TV (26) E
	WHMM (32) E

FLORIDA

PLUNIDA		
Clearwater Daytona Beach-	WCLF (22) I	
Daytona Beach-		
Fort Lauderdale	WESH-TV (2) N	
Fort Myers	WKID (51) I, S	
run myers	WINK-TV (11) C WBBH-TV (20) N	
Fort Pierce-Vero	Beach	
0-1 111	WTVX (34) C	
Galnesville	WUFT (5) E	
1	WUFT (5) E WCJB (20) A WJXT (4) C	
Jacksonville	WJXT (4) C	
	WJCT (7) E	
	WTLV (12) A	
Miami	WJKS-TV (17) N WPBT (2) E	
Miami	WPBT (2) E	
	WTHS-TV (2) E	
	WTVJ (4) C	
	WCIX-TV (6) I	
	WCKT (7) N WPLG (10) A	
	WLRN-TV (17) E	
	WLTV (23) I, S WHFT (45) I, S	
Naples-Fort Mey	ers WEVU (26) A	
Orlando	WDBO-TV (6) C	
Oriando	WFTV (9) A	
	WMEE-TV (24) E	
	WMFE-TV (24) E	
Palm Beach	WOFL (35) I WPTV (5) N	
Panama City	WJHG-TV (7) A	
,	WMBB (12) N	
Pensacola	WSRE (23) E WEAR-TV (3) A Impa WTOG (44) I	
Pensacola-Mobile	WEAD TV (2) A	
St. Petersburg-Ta	mne WTOG (44)	
Sarasota	WXLT-TV (40) A	
Tallahassee	WFSU-TV (11) E	
	WECA-TV (27) A	
Tallahassee-Thod	masville	
	WCTV (6) C	
Tampa	WUSF-TV (16) F	
Tamas Ct Data	****** MEDII (0) E	

GEORGIA

West Palm Beach

GEORGIA	
Albany	WALB-TV (10)
Alhens	WGTV (8)
Atlanta	WSB-TV (2)
	WAGA-TV (5)
	WXIA-TV (11)
	WTBS (17)
	,

Location	C.L.	Chan
	WETV	(30) E
	WATL-TV	(36) 1
	WANX-TV (4	16) I, S
Augusta	WJB	(6) A
	WRDW-TV	(12) C
	WATU-TV	(26) N
Chatsworth	WCLP-TV	
Cochran	WDCO-TV	
Columbus	WRBL-TV	
		(9) A
	WJSP-TV	
	WYEA-TV	(38) N
Dawson	WACS-TV	(25) F
Macon	WMAZ-TV (13	C. A
	WCWB-TV	
Pelham	WABW-TV	
Savannah	WSAV-TV	
	WTOC-TV	
	WJCL	
Savannah-Pen		(, /-
	WVAN-TV	(9) F
Waycross	WXGA-TV	
Wrens	WCES-TV	

HAWAII

Hilo	KGMD-TV (9) C
	KHAW-TV (11) N
	KHVO (13) A
Honolulu	KHON-TV (2) N
	KITV (4) A
	KGMB-TV (9) C
	KHET (11) E
	KIKU-TV (13) 1, S
Walluku	KGMV (3) C
	KAII-TV (7) N
	KMEB-TV (10) E
	KMAU (12) A

IDAHO

Bolse	KBCI-TV (2) C
	KAID (4) E
	KTVB (7) N
Idaho Falls-Poca	tello KID-TV (3) C
	KIFI-TV (8) N
Lewiston	KLEW-TV (3) C
Moscow	KUID-TV (12) E
Nampe	KIVI (6) A
Pocatelle	KPVI (6) A
	KBGL-TV (10) E
Twin Falls	KMVT (11) N. C. A

ILLINOIS

ILLINUIS	
Carbondale Champaign	WSIU-TV (8) E WCIA (3) C
Chicago	WICD (15) N WBBM-TV (2) C WMAQ-TV (5) N
	WLS-TV (7) A WGN-TV (9) I
	WCME (20) E WCIU-TV (26) I, S
	WFLD-TV (32) WCFC-TV (38) , S WSNS-TV (44)
Decatur Freeport-Rockford Harrisburg	WAND (17) A WIFR-TV (23) C
Moline ⁴ Oiney	WSIL-TV (3) A WQAD-TV (8) A WUSI-TV (16) E
Peorla	WRAU-TV (19) A WEEK-TV (25) N WMBD-TV (31) C
Quincy-Hannibal	WTVP (47) E WGEM-TV (10) N
Rockford	WREX-TV (13) A WTVO (17) N WQRF-TV (39) I
Rock Island	WHBF-TV (4) C
Springfield	WICS (20) N
	MATERIAL AFTER A

Abbreviations used in this listing: C.L. or Call—call letters or call sign; Ch.—TV channel number; Affiliation: (A)—ABC; (C)—CBS; (E)—educational; (I)—independent; (N)—NBC.

WT111 (20) E

Location

Location	C.L.	Cha
Localion	U.L.	

N	D	1/	A	N	I

Dicontington	W110 (00) E
Bloomington-I	ndlanpapolis
	WTTV (4) I
Elkhart-South	Bend WSJV (28) A
Evansville	WTVW (7) A
	WNIN (9) E
	WFIE-TV (14) N
	WEHT (25) C
Fort Wayne	WANE-TV (15) C
	WPTA (21) A
	WKJG-TV (33) N
	WFFT-TV (55) I
Indianapolis	WRTV (6) A

	WISH-TV (8) C
	WTHR (13) N
	WFYI (20) E
	WHMB-TV (40) I, S
Lafayette	WLFI-TV (18) C
Muncle	WIPB (49) E
St. John	WCAE (50) E
South Bend	WNDU-TV (16) N
	WSBT-TV (22) C
	WNIT-TV (34) E

St. John	WOME (JU) E
South Bend	WNDU-TV (16) N
	WSBT-TV (22) C
	WNIT-TV (34) E
	WHME-TV (46) 1, S
Terre Haute	WTWO (2) N
	WTHI-TV (10) C
	WBAK-TV (38) A
Vincennes	WVUT (22) E

IOWA

Ames-Des Moines	WOI-TV (5)
Cedar Rapids-Wat	erloo
	WMT-TV (2) (
	KCRG-TV (9)
Council Bluffs	KBIN (32) I
Davenport	WOC-TV (6) P
Des Moines	KCCI-TV (8) (
	KDIN-TV (11)
	WHO-TV (13) I
Dubuque.	KDUB-TV (40)
Fort Dodge	KTIN (21) I

Dubuque.	KDUB-TV (40) A
Fort Dodge	KTIN (21) E
lowa City	KIIN-TV (12) E
Mason City	KIMT (3) C
-	KYIN (24) E
Ottumwa-Kirksv	ille, MO KTVO (3) A
Red Oak	KHIN (36) E
Sloux City	KTIV (4) N
	KCAU-TV (9) A
	KMEG (14) C

KMEG (14) C KSIN (27) E KRIN (32) E Waterloo-Cedar Rapids KWWL-TV (7) N

KANSAS

Ensign	KTVC (6) C
Garden City	KGLD (11) N
	KUPK-TV (13) A
Goodland	KLOE-TV (10) C, A
Great Bend	KCKT (2) N
Havs	KAYS-TV (7) C, A
Hutchinson	KPTS (8) E
Hutchinson-W	/Itchita KTVH (12) C
Pittsburg-Jop	lin KOAM-TV (7) N
Topeka	KTWU (11) E
	WIBW-TV (13) C
	KTSB (27) N
Wichita	KARD-TV (3) N
	KAKE-TV (10) A

KENTUCKY

Ashland	WKAS (25) E
Bowling Green	WBKO (13) A
•	WKGB (53) E
Covington	WCVN (54) E
Elizabethtown	WKZT (23) E
Hazard	WKHA (35) E
	WKYH-TV (57) N
Lexington	WLEX-TV (18) N
Cognitation	WKYT-TV (27) C
	WKLE (48) E
	WTVQ-TV (62) A
Louisville	WAVE-TV (3) N
Codiavine	WHAS-TV (11) C
	WKPC-TV (15) E
	WLKY-TV (32) A
	WDRB-TV (41)
	WKMJ (68) E
Madisonville	WKMA (35) E
Morehead	WKMR (38) E
Murray	WKMU (21) E
Owensboro	WKOH (31) E
Owenton	WKON (52) E
Paducah	WPSD-TV (6) N
	WKPD (29) E
Pikeville	WKPI (22) E
Somerset	WKSO (29) E

LOUISIANA			
Alexandria Baton Rouge	KALB-TV (5) N WBRZ (2) A WAFB-TV (9) C WLPB-TV (27) E WRBT (33) N		
Lafayette Lake Charles Monroe	KATC (3) A KLFY-TV (10) C KPLC-TV (7) N KLTM (13) E		
Monroe-El Dorad	NTVE (10) A		
New Orleans	KNOE-TV (8) C WWL-TV (4) C WDSU-TV (6) N WVUE (8) A		
	WYES-TV (12) E WGNO-TV (26) I		

Shreveport	KTBS-TV (3) A KSLA-TV (12) C

C.L. Chan

Location

Meridian Mississippi State upelo-Columbus

Cape Girardeau

Hannibal-Quincy

Jefferson City Joplin

Kansas City

Poplar Bluff St. Joseph St. Louis

Scottsbluff-Gering

Superior

Columbia

C.L. Chan.

WDAM-TV (7) N
WTOK-TV (11) C, A
WHTV (24) N, A
WMAW (14) E
WMAB (2)
WMAB (18) E
WMAY (18) E
WTVA (9) N

KFVS-TV (12) C KOMU-TV (8) N KCBJ-TV (17) A

KCBJ-TV (17) A
KHGA-TV (7) C
KRCG (13) C
KOBE-TV (12) A
KTJ (16) C
WDAF-TV (4) N
KCMO-TV (5) C
KMBC-TV (9) A
KCPT (19) A
KCPT (19) A
KCPT (19) A
KGTV (2) C
KSDK (5) N
KETC (9) E
KPLR-TV (11) I
KDNL-TV (30) I
KMOS-TV (16) E
KYLR-TV (19) C
KMTC (27) A

Biloxi-GuBooneville
Bude
Columbus
Greenwood
Greenwood-Greenville
WABG-TV (6) A
WLBT (3) N
WJTV (12) C
WAPT (16) A
WMAA (29) E

MISSOURI

MONTANA

Biloxi-Guiport-Pascagoula
WLOX-TV (13) A
Booneville WMAE (12) E
Bude WMAU (17) E
Columbus WCBI-TV (4) A
Greenwood WMAO (23) E

	KLTS (24	4) E
Shreveport-Texarka	ina	
	KTAL-TV (6 KLAA (14) N
West Monroe	KLAA (14	I) N

MAINE

Augusta	WCBB (10) E
Bangor	WLBZ-TV (2) N
	WABI-TV (5) C
	WVII-TV (7) A
Biddeford	WMEG-TV (26) E
Calais	WMED-TV (13) E
Orono	WMEB-TV (12) E
Poland Spring	
Portland	WCSH-TV (6) N
	WGAN-TV (13) C
Presque Isle	WAGM-TV (8) C. N. A
cadae ia.e	WMEM-TV (10) E

MARYLAND

Annapolis	WAPB (22) E
Baitimore	WMAR-TV (2) C
	WBAL-TV (11) N
	WJZ-TV (13) A
	WBFF (45) I
	WMPB (67) E
Hagerstown	WHAG-TV (25) N
	WWPB (31) E
Salisbury	WBOC-TV (16) C, N
,,	WCPB (28) E
	WMDT (47) A

MASSACHUSETTS

Adams	WCDC (19) A
Boston	WGBH-TV (2) E
	WBZ-TV (4) N
	WCVB-TV (5) A
	WNAC-TV (7) C
W	XNE-TV (25) I, S
	WSBK-TV (38) I
	WGBX-TV (44) E
	WQTV (68) I
Cambridge-Boston	WLVI-TV (56) I
Springfield	WWLP (22) N
	WGBY-TV (57) E
Springfleld-Holyok	

WGBB-TV (40) A WSMW-TV (27) I

Alp

Bat Car Ch

rcester	WSMW-TV (27) I	MONTANA	
MIC	HIGAN	Billings	KTVQ (2) C, N KULR-TV (8) A
ena ttie Creek y City-Sagina diliac-Travera eboygan troit	WCML-TV (6) E WBKB-TV (11) C WUNG-TV (41) A W-Flint WNEM-TV (5) N e City WWTV (9) C WTOM-TV (4) N WJBK-TV (2) C	Butte Giendive Great Fails Helena Kaitspell Miles City Missoula	KXLF-TV (4) A, C KTVM (8) N, C KXGN-TV (5) C KRTV(3) N, C KFBB-TV (5) A, N KTCM (12) N KCFW-TV (9) N, C KYUS-TV (3) N KPAX-TV (8) A, C KECI-TV (13) N, C
	WDIV (4) N WXYZ-TV (7) A WXON (20) I WXBD-TV (50) I WTVS (56) E WGPR-TV (62) I	Albion Alliance Bassett	RASKA KCNA-TV (8) A KTNE-TV (13) E KMNE-TV (7) E
st Lansing canaba nt and Rapids	WKAR-TV (23) E WJMN-TV (3) N WJRT-TV (12) A WOTV (8) N WZZM-TV (13) A WGVC (35) E	Grand Island Hastings Hayes Center Hay Springs	KGIN-TV (11) C KHAS-TV (5) N KHNE-TV (29) E KWNB-TV (6) A KDUH-TV (4) N
		Rearney-Mastin	gs-Grand Island

	W I V 3 (30) E
	WGPR-TV (62) I
East Lansing	WKAR-TV (23) E
Escanaba	WJMN-TV (3) N
Flint	WJRT-TV (12) A
Grand Rapids	WOTV (8) N
	WZZM-TV (13) A
	WGVC (35) E
Kalamazoo	WKZO-TV (3) C
Leneing	W.HM-TV (6) C

Lansing (Onone	tago)
• • •	WILX-TV (10) N
Marquette	WLUC-TV (6) C, A
	WNMU-TV (13) E
Mt. Pleasant	WCMU-TV (14).E
Sealnew-Filmt-P	lay City

Saginaw-Flint-Da	y City
	WEYI-TV (25) C
Sault Ste. Marle	WGTQ (8) A
	WWUP-TV (10) C
Traverse City	WPBN-TV (7) N
	WGTU (29) A
Habitanille Canta	

r (Bay City) WUCM-TV (19) E stroit) CBET (9) Windsor, ON (Detroit)

MINNESOTA

Rochester St. Paul-Minneapolis

Alexandria Appleton	KCMT (7) N, A KWCM-TV (10) E	Henderson-Las	(egas KVVU-TV (5) I
Austin	KAAL (6) A KAVT-TV (15) E	Las Vegas	KUBC (3) N KORK-TV (3) N
Bemidji Dujuth	KAWE (9) E WDIO-TV (10) A		KLAS-TV (8) C
Duluth-Superio			KSHO-TV (13) A
	KBJR-TV (6) N WDSE-TV (8) E	Reno	KTVN (2) C KCRL-TV (4) N
Hibbing	WIRT (13) A KEYC-TV (12) C		KOLO-TV (8) A
Mankato Minneapolis-Si		NEW HA	MPSHIRE

WCCO-TV (4) C KMSP-TV (9) I WTCN-TV (11) N KTTC (10) N KTCI-TV (17) E

KTCA-TV (2) E KSTP-TV (5) A KNMT (12) N

WMAH (19) E

MISSISSIPPI

NEW HAMPSHIRE

NEVADA

KSTF (10) C, A KSNB-TV (4) A

Berlin	WED8-TV (40) E
Durhem	WENH (11) E
Hanover	WHED-TV (15) E WNNE-TV (31) N
Keene	WEKW-TV (52) E
Littleton	WLED-TV (49) E
Manchester	WMUR-TV (9) A

NEW JERSEY

Camden Montclair	MINM	

Location	C.L.	Chan

New Brunswick Trenton Wildwood	WNJB WNJT WCMC-TV		
--------------------------------------	-------------------------	--	--

NEW MEXICO

Albuquerque	KOB-TV (4) N
	KNME-TV (5) E
	KOAT-TV (7) A
	KGGM-TV (13) C
	KMXN-TV (23) 1, S
Carisbad	KAVE-TV (6) A
Clovis	KMCC (12) A
Farmington	KIVA-TV (12) N
Las Cruces	KRWG-TV (22) E
Portales	KENW (3) E
Roswell	KSWS-TV (8) N
	KBIM-TV (10) C

NEW YORK

Albany	WTEN (10) A
Albany-Troy-Sc	henectady
,,	WAST (13) C
Binghampton	WBNG-TV (12) C
D.I.I.B.	WMGC-TV (34) A
	WICZ-TV (40) N
	WSKG (46) E
Buffelo	WGR-TV (2) N
	WIVB-TV (4) C
	WKBW-TV (7) A
	WNED-TV (17) E
	WUTV (29) I

Carthage-Watert	own
	WWNY-TV (7) C.
Elmira	WENY-TV (36)
Elmira-Corning	WSYE-TV (18)
Garden City	WLIW (21)
New York	WCBS-TV (2)
	WNBC-TV (4)
	WNEW-TV (5)
	WABC-TV (7)
	WOR-TV (9)
	WPIX (11)
	WNYE-TV (25)
	WNYC-TV (31)
New York-Newa	k WNET (13)
	WNJU-TV (47) 1,
	WWHT (68) I.
New York-Paters	ion
	WYTY (41) I

MGM LOLK-Largi	8011
	WXTV (41) I, S
Norwood	WNPI-TV (18) E
Plattsburgh	WPTZ (5) N
	WCFE-TV (57) E
Rochester	WROC-TV (8) N
	WHEC-TV (10) C
	WOKR (13) A
	WXXI (21) E
	WUHF (31)

Schenectady-Albany-Troy
WRGB (6) N
WMHT (17) E
Smithtown WSNL-TV (67) I
Syracuse WSNL-TV (5) C
WIXT (9) A
Utica WCYV-TV (24) E
Utica WTVH (5) C
WKTV (2) N
WTVH (5) C
WKTV (2) N
WTY (20) A
WATERTOWN WNPE-TV (16) E

NORTH CAROLINA

Asheville	WHNS (21) I, S
	WUNF-TV (33) E
Chapel Hill	WUNC-TV (4) E
Charlotte	WBTV (3) C
•	WSOC-TV (9) A
	WCCB (18) I
	WRET-TV (36) N
	WTVI (42) E
- 1	
Columbia	WUND-TV (2) E
Concord	WUNG-TV (58) E
Durham	WPTF-TV (28) N
Durham-Raleigh	
	WTVD (11) C
Greensboro	WFMY-TV (2) C
Greenville	WNCT (9) C
Greenville	WUNK-TV (25) E
	WUNKY THE (14)
Hickory	WHKY-TV (14) I, S
High Point-Green	sboro &
Winston-Salem	WGHP-TV (8) A
Linville	WUNE-TV (17) E
New Bern	WCTI-TV (12) A
Raleigh-Durham	
	WRAL-TV (5) A
Washington	WITN-TV (7) N
Wilmington	WWAY (3) A
willington	WECT (6) N
	WUNJ-TV (39) E
14/1 O. l	MOM2-14 (39) E
Winston-Salem	
	WUNL-TV (26) E
	WGNN-TV (45) I

Winston-Salem-Greensboro & WXII (12) N **NORTH DAKOTA**

Bismarck	KBME (3) E
	KFYR-TV (5) N, A
	KXMB-TV (12) C
Devils Lake	WDAZ-TV (8) N
Dickinson	KDIX-TV (2) C
Fargo	WDAY-TV (6) N
	KFME (13) E
Fargo-Grand Fork	
_	KTHI-TV (11) A
Grand Forks	KGFÉ (2)
Minot	KMOT (10) N, A
	KSRE (6) E
	KXMC-TV (13) C
Valley City (Fargo) KXJB-TV (4) C
Williaton	KILMU-TV (R) N A

				U.S. 1	V STATIO	143 D1 L	OCATION
Location	C.L. Chan.	Location	C.L. Chan.	Location	C.L. Chan.	Location	C.L. Chan.
	KXMD-TV (11) C	Lancaster Lancaster-Leb		Austin	KFDA-TV (10) C KTBC-TV (7) C	1	WSLS-TV (10) N
,	ОНЮ	Philadelphia	WLYH-TV (15) C KYW-TV (3) N	1	KLAU (18) E KVUE-TV (24) A	Staunton	WBRA-TV (15) E WVPT (51) E
Akron			WPVI-TV (6) A WCAU-TV (10) C	Beaumont	KTVV (36) N KFDM-TV (6) C	WAS	HINGTON
	WAKR-TV (23) A WEAO (49) E	5	WPHL-TV (17) I WTAF-TV (29) I	Belton	KBMT (12) A KNCT (46) E	Bellingham	KVOS-TV (12) C
Alliance Athens	WNEO-TV (45) E WOUB-TV (20) E		Burlington, NJ) WKBS-TV (48) I	Big Spring Bryan	KWAB-TV (4) A KBTX-TV (3) A, C	Kennewick Pasco-Kennew	KVEW (42) A
Cambridge Canton	WOUC-TV (44) E WJAN (17) I. S	Pittsburgh	KDKA-TV (2) C WTAE-TV (4) A	College Station	KAMU-TV (15) E	Pullman	KEPR-TV (19) C KWSU-TV (10) E
Cincinnati	WLWT (5) N WCPO-TV (9) C		WIIC-TV (11) N WQED (13) E		KRIS-TV (6) N	Richland-Pasc	KNDU (25) N
	WKRC-TV (12) A WCET (48) E		WQEX (16) E WPTT-TV (22) I		KZTV (10) C KEDT (16) E	Seattle	KOMO-TV (4) A KING-TV (5) N
Cincinnati-News	WBTI (64) I	Scranton & Wi	WPGH-TV (53) I	Dallas Dallas	KORO (28) Í, S KERA-TV (13) E		KIRO-TV (7) C
Cleveland	WXIX-TV (19) I WKYC-TV (3) N	Solution & W	WNEP-TV (16) A WDAU-TV (22) C	Dallas-Fort Wo	KDFW-TV (4) C	Spokane	KREM-TV (2) C
ore verding	WEWS (5) A WJKW-TV (8) C	Wilkes-Barre 8	WVIA-TV (44) E		WFAA-TV (8) A KXTX-TV (39) I, S		KXLY-TV (4) A KHQ-TV (6) N
Columbus	WVIZ-TV (25) E WCMH-TV (4) N	York	WBRE-TV (28) N	El Paso	KDBC-TV (4) C KCOS (7) E	Tacoma	KSPS-TV (7) E KCPQ-TV (13) E
Columbus	WTVN-TV (6) A		WSBA-TV (43) C		KTSM-TV (9) N KVIA-TV (13) A	Tacoma-Seattle	
	WBNS-TV (10) C WOSU-TV (34) E	RHOD	EISLAND	El Paso-Juarez	KCIK (14) I XEPM-TV (2) I	Yakima	KNDO (23) N KIMA-TV (29) C
Dayton	WDTN (2) A WHIO-TV (7) C	Providence	WJAR-TV (10) N WPRI-TV (12) A	Fort Worth-Dall	XEJ-TV (5) I		KAPP (35) A KYVE-TV (47) E
Kettering	WKEF (22) N WPTD (16) E	Providence (Ne	WSBE-TV (36) E		KXAS-TV (5) N KTVT (11) I	WEST	
Lima-Bowling G	WLIO (35) N. A	Tovidence (In	WTEV (6) C	Harlingen	KGBT-TV (4) C. N	1	VIRGINIA
Lorain-Cleveland	WBGU-TV (57) E	SOUTH	CAROLINA	Houston	KPRC-TV (2) N KUHT (8) E	Bluefield Charleston-Hur	
Oxford	WUAB (43) I WPTO (14) E	Allendale	WEBA-TV (14) E		KHOU-TV (11) C KTRK-TV (13) A	Clarksburg	WCHS-TV (8) C WBOY-TV (12) A
Portsmouth Steubenville-Wh	WPRO.TV (42) F	Anderson Beautort	WAIM-TV (40) C WJWJ-TV (16) E		KRIV-TV (26) I KHTV (39) I	Grandview	Hon WDTV (5) C, N WSWP-TV (9) E
Toledo	WTOV-TV (9) N	Charleston 4	WCBD-TV (2) A	Laredo	KGNS-TV (8) N, A KVTV (13) C	Huntington Huntington-Cha	WMUL-TV (33) F
Toledo	WTOL-TV (11) C WTVG (13) N		WCIV (4) N WCSC-TV (5) C	Laredo (Nuevo	Laredo) XEFE-TV (2) I		WSAZ-TV (3) N WOWK-TV (13) A
*	WDHO-TV (24) A WGTE-TV (30) E	Columbia	WITV (7) E WIS-TV (10) N	Lubbock	KTXT-TV (5) E KCBD-TV (11) N	Morgantown Oak Hill-Beckle	WWVII (24) E
Youngstown	WEMJ-TV (21) N WKBN-TV (27) C		WLTX (19) C WOLO-TV (25) A		KLBK-TV (13) C KAMC (28) A	Parkersburg-Ma	WTAP-TV (15) N
Zanesville	WYTV (33) A WHIZ-TV (18) N	Florence	WRLK-TV (35) E WBTW (13) C. A	Lufkin Midland & Odes	KTRE-TV (9) A. N	Wheeling-Steub	enville
		Greenville	WJPM-TV (33) E WGGS-TV (16) I, S	Odessa-Monaha Odessa	ns KMOM-TV (9) A		WTRF-TV (7) N
		Greenville-Spar	WNTV (29) E	Port Arthur-Bea	KOSA-TV (7) C		CONSIN
OKLA	AMOHA	& Asheville	WFBC-TV (4) N WSPA-TV (7) C	San Angelo	KJAC-TV (4) N KACB-TV (3) N	Eau Claire Green Bay	WEAU-TV (13) N WBAY-TV (2) C
Ada-Ardmore Ardmore & Shern	KTEN (10) A	Rock Hill	WLOS-TV (13) A WNSC-TV (30) E	San Antonio	KCTV (8) C KMOL-TV (4) N		WFRV-TV (5) N WLUK-TV (11) A
Cheyenne	KXII (12) C. N	Sumter	WRJA-TV (27) E		KENS-TV (5) C KSAT-TV (12) A		WLRE (26) I WPNE (38) E
Eufaula	KWET (12) E KOET (3) E	SOUTH	DAKOTA	`	KWEX-TV (41) I, S KLRN-TV (9) E	La Crosse	WKBT (8) C WXOW-TV (19) A
Lawton (Wichita I	KSWO-TV (7) A	Aberdeen	KARY-TV (9) N	Sweetwater-Abil	ene KTXS-TV (12) A. C	Madison	WHLA-TV (31) F
Oklahoma City	KOCO-TV (5) A	Brookings	KDSD-TV (16) E KESD-TV (8) E	Temple-Waco Tyler-Longview	KCEN-TV (6) N KLTV (7) A, N	111.00.1	WISC-TV (3) C WMTV (15) N
	KWTV (9) C KETA (13) E	Eagle Butte Florence-Watert	KPSD-TV (13) E	Victoria	KXIX (19) A KWTX-TV (10) A, C	Menominee	WHA-TV (21) E WKOW-TV (27) A
	KOKH-TV (25) I KGMC (34) I	Lead	KDLO-TV (3) C KHSD-TV (11) N	Weslaco Wichita Falis	KRGV-TV (5) A KFDX-TV (3) N	Milwaukee	WHWC-TV (28) E WTMJ-TV (4) N
S <mark>ay</mark> re (Elk City) Tulsa	KVIJ-TV (8) A KTEW (2) N	Lead-Deadwood Lowry	KIVV-TV (5) A		KAUZ-TV (6) C KIDZ-TV (24) E		WITI-TV (6) C WMVS (10) E
	KOTV (6) C KTUL-TV (8) A	Martin Mitchell-Sloux F	KQSD-TV (11) E KZSD-TV (8) E alis KXON-TV (5) A				WISN-TV (12) A WVTV (18) I
	KOED-TV (11) E	Plerre	KPRY-TV (4) N KTSD-TV (10) E		TAH	0.4 5 0	WCGV (24) WMVT (36) E
		Rapid City	KOTA-TV (3) N KEVN-TV (7) A. C	Provo Salt Lake City	KBYU-TV (11) E KUTV (2) N	Park Falls Rhinelander	WLEF-TV (36) E WAEO-TV (12) N
ORE	GON	Rellance	KBHE-TV (9) E KPLO-TV (6) C		KTVX (4) A KSL-TV (5) C	Wausau	WSAU-TV (7) C WAOW-TV (9) A
Bend	KTVZ (21) N, C	Sloux Falls	KELO-TV (11) C KSFY-TV (13) N		KUED (7) E KSTU (20) I		WHRM-TV (20) E
Coos Bay Corvallis	KCBY-TV (11) N KOAC-TV (7) E	Vermillion	KUSD-TV (2) E			WYC	MING
Eugene Klamata Sati	KEZI-TV (9) A KVAL-TV (13) N	TENN	ESSEE		MONT	Casper K1 Cheyenne	WO-TV (2) A, N, C KYCU-TV (5) A, C
Klamath Falls La Grande	KOTI (2) A, C KTVR (13) E	Chattanooga	WRCB-TV (3) N WTVC (9) A	Burlington	WCAX-TV (3) C WETK (33) E	Lander-Riverton-	Thermopolis-
Medford	KOBI (5) A, C KSYS (8) E		WDEF-TV (12) C	Burlington-Platt	Sburgh WEZF-TV (22) A	Rock Springs Sheridan	(WRB-TV (10) N, C KTUX (13) I
Portland .	KTVL (10) N, C KATU (2) A	Cookeville	WTCI (45) E WRIP-TV (61) I, S	Rutland St. Johnsbury	WVER (28) E WVTB (20) E		KSGW-TV (12) N
	KOIN-TV (6) C KGW-TV (8) N	Crossville Jackson	WCTE (22) E WCPT-TV (55) I	Windsor	WVTA (41) E		ESSIONS
	KOAP-TV (10) E KPTV (12) I	Johnson City-Bri	stol-Kingsport	VIR	GINIA		AM
R <mark>oseburg</mark> Salem	KPIC (4) N KVDO-TV (3) E	Kingsport	WJHL-TV (11) C WKPT-TV (19) A	Bristol-Kingspor	t & Johnson City	Agana Ki	VAM-TV (8) C, N, A KGTF (12) E
	(-, -	Knoxville	WATE-TV (6) A WBIR-TV (10) C	Charlottesville	WCYB-TV (5) N WVIR-TV (29) N	DUEDE	
DENNS	LVANIA	Lexington	WTVK (26) N WLJT-TV (11) E	Goldvein Hampton-Noriol	WNVT (53) E k WVEC-TV (13) A		O RICO
Allentown	WFMZ-TV (69) 1	Memphis	WREG-TV (3) C WMC-TV (5) N	Harrisonburg	WHRO-TV (15) E WHSV-TV (3) A, N	Aguadilla Aguadilla-Mayagu	
Allentown-Bethlet	hem		WKNO-TV (10) E WHBQ-TV (13) A	Lynchburg-Roan	WSET-TV (13) A	Caguas-San Juan	WOLE-TV (12) I
Altoona	WLVT-TV (39) E WTAJ-TV (10) C	Nashville	WNGE (2) A	Manassas Norfolk	WTKK (66) I WTAR-TV (3) C	Mayaguez	WKBM-TV (11) WIPM-TV (3) E
Clearfield	WOPC (38) A WPSX-TV (3) E		WSM-TV (4) N WTVF (5) C	Norton	WTVZ (33) I WSVN-TV (47) E	Ponce	WORA-TV (5) I
Erle	WICU-TV (12) N WJET-TV (24) A		WDCN-TV (8) E WZTV (17) I	Portsmouth Portsmouth-Nort	WYAH-TV (27) 1 S	San Juan	WSUR-TV (9) WKAQ-TV (2)
	WSEE (35) C	Sneedville	WSJK-TV (2) E	Newport News Richmond	WAVY-TV (10) N		WAPA-TV (4) N WIPR-TV (6) E
Greensburg Hardsburg	WPCB-TV (40) I WHP-TV (21) C	TE	CAS	Nemiona	WTVR-TV (6) C WWBT (12) N		
Hershey	WTPA (27) A WITF-TV (33) E	Abliene	KRBC-TV (9) N	Disk	WCVE-TV (23) E WCVW (57) E		SLANDS
Johnstown	WJAC-TV (6) N	Amarillo	KTAB-TV (32) C KAMR-TV (4) N	Richmond-Peters	WXEX-TV (8) A	Charlotte-Amalie	WBNB-TV (10) C WTJX-TV (12) E
	WJNL-TV (19) C		KVII-TV (7) A	Roanoke	WDBJ-TV (7) C	Christiansted	WSVI (8) A

Abbreviations used in this listing: C.L. or Call—call letters or call sign; Ch.—TV channel number; Affiliation: (A)—ABC; (C)—CBS; (E)—educational; (I)—independent; (N)—NBC.

	CANA	DIAN AM S	TATIO	ONS BY FRE	QUI	ENCY	
Call Location	W.P.	Call Location	W.P.	Call Location	W.P.	Call Location	W.P.
540-555,5		730-410.7	Ì	CHEX Peterborough, ON	10000r	KCTK Kitimat, BC	1000
CBEF Windsor, ON	2500r	CJNR Blind River, ON CKAC Montreal, PQ	1000r 50000	CKGM Montreal, PQ CKNW Vancouver,	10000	CKYR Grande Cache, AB VOAR St. John's, NF	100r 100r
CBK Regina, SK CBT Great Falls, NF	50000r 10000r	CKDM Dauphin, MN CKGA Gander, NF	10000	New Westminster, BC CKRM Regina, SK	50000 10000	1240-241.8	
550-545.1		CKLG Vancouver/North Va	ncouver C 50000	990-302.8		CFEK Fernle, BC CFLM La Tuque, PQ	1000 1000r
CFJC Kamloops, BC CFNB Fredericton, NB	10000 50000	740-405.2		CBW Winnipeg. MB	50000r	CFLM La Tuque, PO CFNI Port Hardy, BC CIRB Lac Etchemin, PQ	1000
CHLN Trois-Rivieres, PQ CHNO Sudbury, ON	10000	CVL Toronto, ON CBX Edmonton, AB	50000r 50000r	CBY Corner Brook, NF	10000r	CJAF Cabano, PQ CJAR The Pas, MB	1000r 1000r
CKPG Prince George, BC KARI-USA Vancouver, BC	10000	790-379.5		1000-299.8 CFLP Rimouski, PQ	10000	CJAV Port Alberni, BC CJCD Yellowknife, NT	1000r 1000
(Station in Blaine, WA)	5000	CFAN New Castle, NB	5000r	CKBW Bridgewater, NS	10000r	CJCS Stratford, ON CJMD Chibougamau, PQ	500r 1000r
560-525.4		CFCW Edmonton/Camrose	B 50000	1010-296.9		CJNH Bancroft, ON	1000r 1000r
CFOS Owen Sound, BC CHCM Maryslown, NF	2500r 10000	CFNW Port au Cholx, NF CHIC Brampton, ON	1000 5000	CBR Calgary, AB CFRB Toronto, ON	50000r 50000	CJNS Meadow Lake, SK CJRW Summerside, PE CJWA Wawa, ON	250r 1000r
CHTK Prince Rupert, BC CJKL Kirkland Lake, ON	1000 5000	CHIC Toronto, ON CKBH Bale Comeau, PQ	5000 1000			CKBS St-Hyacinthe, PQ	250r 1000
CKCN Sept-Iles, PQ CKNL Ft. St. John, BC	10000r 1000	CKMW Brampton, ON CKSO Sudbury, ON	5000 50000r	1050-285.5 CFGP Grande Prairie, AB	10000	CKBX 100 Mile House, BC CKGO Hope, BC CKIM Bale Verte, NF	1000
'	1000	800-374.8		CFYN Sault Ste. Marie, ON CHUM Toronto, ON	10000 50000	CKLS La Sarre, PQ	1000r 1000
580-516.9 CFRA Ottawa, ON	50000	CBQ Thunder Bay, ON	10000r	CJNB North Battleford, SK CKAL Vernon, BC	10000r 10000	KCMK MacKenzle, BC CKOO Osoyoos, BC	1000
CHLC Blie Comeau, PQ CHLC Hauterive, PQ	5000 5000	CFOB Ft. Francis, ON CHAB Moose Jaw, SK	1000	CKSB St. Boniface, MB CKSB Winnipeg, MB	10000r 10000r	1250-239.9	
CJFX Antigonish, NS CKAB Kapusaksing, ON	10000r 10000	CHRC Quebec, PQ CJAD Montreal, PQ	50000 50000			CBGA Matane, PQ	10000r
CKPR Thunder Bay, ON CKUA Edmunston, NB	5000r 10000r	CJBQ Belleville, ON CJJC Langley/Vancouver,	10000r	1060-282.8 CFCN Calgary, AB	50000	CBOF Hull, PQ Ottawa, ON	50000r 10000
CKWW Windsor, ON CKXR Salmon, BC	500 10000	CKLW Windsor, ON	C 10000 50000	CJRP Quebec, PQ	50000	CHSM Steinbach, MB CHWO Oakville, ON	10000
CKY Winnipeg, MN	50000	CKOK Penticton, BC VOWR St. Johns, NF	10000 5000r	1070-280.2		CKOM Saskatoon, SK	10000r
590-508.2		810-370.2		CBA Moncton, NB CFAX Victoria, BC	50000r 10000	1260-238.0 CFRN Edmonton, AB	50000
CFAR Film Flom, MN CFNL Ft. Nelson, BC	10000r 250r	CHOR Calgary, A8 CJVA Caraquet, NB	50000 10000r	CHOK Sarnia, ON CKST St. Albert, AB	10000	CFRN Edmonton, AB CIHI Fredericton, NB	10000
CFTK Terrace, BC	1000 500	CKJS Winnipeg, MN CKRD Red Deer, AB	10000			1270-263.1	
CJCW Sussex, NB CKEY Toronto, ON CKPS Jongulero, PO	10000		.0000	1080-277.6 CKSA Lloydminster, AB-SK	10000	CFGT Alma, PQ	10000r 10000
CKRS Jonquiere, PQ VOCM St. Johns, NF	10000	860-348.6 CBH Hallfax, NS	10000r			CHAT Medicine Hat, AB CHWK Chillwach, BC	10000
600-499.7		CBKF Saskatoon, SK CFPR Prince Rupert, BC	1000 1000 1000	1090-275.1 CHEC Lethbridge, AB	5000	CJCB Sydney, NS CJTN Trenton, ON	10000 1000r
CFCF Montreal, PQ	5000 10000	CFVR Abbotsford, BC CJBC Toronto, ON	10000	CHRS Longueull, PQ CHRS Monteal, PQ	10000r 10000r	1280-234.2	
CFCH North Bay, ON CFCT Tuktoyaktuk, NT	1000r	CKVL Montreal, PQ CKVL Verdon, PQ	50000 50000	CHRS StJean, PQ CKKW Kitchener, ON	10000r 10000	CHQB Powell River, BC	1000r
CFQC Suskatoon, SK CJOR Vancouver, 8C	10000 10000		30000			CHRB High River, AB CJJD Hamilton, ON	10000
CKCL Truro, NS	1000r	900-333.1 CFBR Sudbury, ON	10000r	1 1 1 0 - 2 7 2.6 CBD Saint John, NB	10000r	CJMS Montreal, PQ CJSL Estevan, SK	50000 10000
610-491.7 CHNC Carlisie, PQ	10000r	CHML Hamilton, ON CJBR Rimouski, PQ	5000 10000r	CHPR Hawkesbury, ON- CHQT Edmonton, AB	250 50000	CKCV Quebec, PQ	10000
CHNL Camicops/Clearwat	ler,	CJEN StJerome, PQ CJVI Victoria, BC	1000r 10000	CKJD Sarnla, ON	10000	1290-232.4	10000
CHTM Thompson, MN	BC 2500 1000	CKBI Prince Albert, SK CKDH Amherst, NS	19000r 19000r	1130-265.3		CFRW Winnipeg, MB CHRM Matane, PQ	10000
CJAT Trail, BC CKMG Maniwaki, PQ	10000 1000r	CKDR Dryden, ON	1000r	CKWX Vancouver, BC	50000	CJBK London, ON	10000
CKML Mont-Laurier, PQ CKRW Whitehorse, YT	1000r 1000	CKTS Sherbrooke, PQ CKVD Val D'Or, PQ	10000 10000r	1140-263.0		1 300-230.6	5000r
CKTB St. Catherines, ON CKYL Peace River, AB	10000	910-329.5		CBI Sydney, NS CJTR Trols-Rivieres, PQ	10000r 10000	CBAF Moncton, NB CJME Regina, SK	10000
CKYQ Grand Bank, NF	10000r	CFSX Stephenville, NF CHRL Roberval, PQ	500 10000	CKXL Calgary, AB	10000	1310-228.9	
620-483.6	10000-	CJDV Drumheller, AB	5000 10000r	1150-260.7		CFGM Toronto, ON CHGB La Pocatiere, PQ	50000 10000r
CFCL Timmins, ON CFRP Forestville, PQ	10000r 1000	CKLY Lindsey, ON	100001	CHSJ Saint John, NB CJRC Hull, PQ	10000 50000	CIOK St. Paul, AB	10000r 50000
CJCI Prince George; BC CKCK Regina, SK	10000	920-326.9 CBO Ottawa, ON	5000or	1160-258.6		CKOY Ottawa, ON	50000
CKCM Grand Falls, NF	10000	CFLS Levis, PQ CFLS Quebec, PQ	1000	CBOR Rankin Inlet, NT	40	1320-227.1 CFGM Richmond Hill, ON	50000
630-475.9	10000-	CFRY Portage La Prairie, CJCH Hailfax, NS	MN 10000 25000	1170-256.3	40000	CHQM Vancouver, BC CJSO Sorel, PQ	50000 10000
CFBK Huntsville, ON CFCO Chatham, ON	10000r 10000	CJCJ Woodstock, NB	10000r 10000	CFIX Cornwall, ON CKGY Red Deer, AB	10000r 10000	CKEC New Glasgow, NS	5000
	PE 10000	CKCQ Quesnel, BC CKCY Sault Ste., Marie, Ol CKNX Wingham, ON	N 10000 10000r	1190-252.0		1330-225.4	
CHED Edmonton, AB CHLT Sherbrooke, PO	50000 10000		100001	CFSL Weyburn, SK	10000	CKKR Kindersley, SK CKKR Rosetown, SK	10000r 10000r
CHET Smith Fails, ON CJLA Lachute, PQ	10000 1000r	930-322.4 CFBC Saint John, NB	50000	CHTN Charlottetown, PE CJMR Mississauga, ON	10000	CKLD Thetford Mines, PQ	10000
CJMC Norway House, MN CKOV Kelowna, BC	5000	CJCA Edmonton, AB CJYO St. John's, NF	50000 50000	1210-247.8		1340-223.7	
CKRC Winnipeg, MN	10000	CKNS Espanola, ON	10000	CFFB Frobisher Bay, NT	250r	CFBQ Parry Sound ON CFED Chapais, PQ	250r 250r
640-468.5		940-319.0		1220-245.8		CEGR Happy Vailey, NE	1000r 250
CBN St. Johns, NF	10000r	CBM Montreal, PQ CISL Richmond, BC	50000r 2500	CFVM Angul, PQ CHSC St. Catharines, ON	5000 1000	CFKC Creston, BC CFLC Churchill Falls, NF CFLH Hearst, ON	250 1000r
660-454.3		CIVH Vanderhoof, BC	1000 1000	CJOC Lethbridge, AB	10000	CFLW Wabush, NF CFYK Yellowknife, NT	250r 1000r
CHAK Inuvik, NT	1000r	CJGX Yorkton, SK CJIB Vernon, BC	10000	CJPR Crowsnest Pass, AB Crowsnest, BC	10000	CHAD Amos, PQ CJAN Asbestos, PQ	1000r 1000
670-447.5		950-315.6		CJRB Bolssevaln, MB CJRL Kenora, ON	10000 1000r	CJLS Yarmouth, NS	5000r 50
CHYQ Musgraveton, NF	1000r	CFAM Altoena, MB	10000	CJSS Cornwall, ON CKCW Moncton/Cherryfield	1000	CJNC Norway House, MB CKBR Brooks, AB CKCR Revelstoke, BC	1000
680-440.9		CJWC Ward Creek, NB	10000	CKDA Victoria, BC	50000	CKDK Woodstock, ON	1000 1000 1000r
CFDR Dartmouth, NS	50000r 25000	CKBB Barrie, ON CKNB Campbellton, NB	10000r	CKSM Shawinigan, PQ	10000	CKGF Grand Forks, BC CKMG Maniwaki, PQ CKMR Fillot Lake, ON	1000r 1000r
CFTR Toronto, ON CHFA Edmonton, AB	10000r	960-312.3		1230-243.8	4000	CKNR Eillot Lake, ON CKVT Temiscaming, PQ	1000r 1000r
CRYO Grand Falls, NF CJOB Winnipeg, MN	10000 50000	CFAC Calgary, AB	5000 1000r	CFBV Smither, BC CFGN Port-aux-Basques, NI	1000 F 250	1350-222.1	
CKGB Timmins, ON	10000	CFTJ Cambridge, ON CHNS Hallfax, NS	10000	CFLK Kapuskasing, ON CFLN Goose Bay, NF	100r 1000	CFYQ Gander, NF CHAL StPamphile, PQ	1000 1000r
690-439.5	E0000-	CKWS Kingston, ON	10000	CFPA Thunder Bay, ON CHFC Churchill, MB	1000 250	CHOV Pemproke, ON CJDC Dawson Creek, BC	1000r 1000r
CBF Montreal, PQ CBU Vancouver, BC	50000r 50000r	970-309.1	10000r	CHVD Dolbeau, PQ CIYR Hinton, AB	10000 50r	CJLM Jollette, PQ	1000r 1000r
CFRG Gravelborough, SK	50000r	CBZ Fredericton, NB CJYR Edson, AB	10000r	CJLP Disraell, PQ CJNL Merritt, BC	1000 1000	CKAD Middleton, NS CKAR Oshawa, ON	10007
710-422.3	40000	CKCH Hull, PQ CKCH Ottawa, ON	10000 5000	CJOK Fort McMurray, AB CJSA Ste-Agathe-des-Mont	1000r	1360-220.4	
CHYR Learnington, ON CIPC Port Cartier, PQ	10000 1000r	980-305.9		CJTT New Liskeard, ON	1000r 1000r	CJVI Ste-Marie-Beauce	
CJRN Niagra Falls, ON CKVN Villa-Marie, PQ	5000 10000r	CBV Quebec, PQ	5000	CKMP Midland, ON CKQR Castlegar, BC	1000r 1000	CKBC Bathurst, NB	Q 10000 10000r
CKVO Clarenvilla, NF	10000	CFPL London, ON	10000	. Order openagar, oo	,500	COMMUNICATIONS \	

CANADIAN AM STATIONS BY FREQUENCY

Call Location	W.P.	Call Location	W.P.	Call Location	W.P.	Call Location	W.
1370-218.8		CJFX Port Hawkesbury, NS	10000r	CKRB St-George-de-Beauc		1510-199.1	
CFLV Valley Fleid, PQ CFOK Westlock, AB	10000r 10000r	1420-211.1			Q 10000	CJRS Sherbrooke, PQ	10000
CHPQ Parksville, BC CJWW Saskatoon, SK	1000 10000	CJMT Chicoutimi, PQ CJVR Melfort, SK	10000 10000r	1470-204.0		CKOT Tilsonburg, ON	10000
		CKYD Digby, NS CKPT Peterborough, ON	10000r 10000	CHOW Welland, ON CJVB Vancouver, BC	1000 50000	1530-196.0 CISV Morden, MB	1000
1380-217.3 CFDA Victoriaville, PO	10000	CKTL Plessisville, PQ	1000	CKO Montreal, PQ CKPP Bagotville, PQ	10000r 1000		1000
CKLC Kingston, ON CKPC Brantford, ON	10000 10000 10000r	1430-209.7 CJXX Grande Prairie, AB	10000	1480-202.6		1540-195.0 CHIN Toronto, ON	50000
CHOO Ajax, ON CHOO Toronto, ON	100007	CKFH Toronto, ON	50000	CHRD Drummondville, PQ CKAN Newmarket, ON	50000r 10000	1550-193.5	
KKC Nelson, BC	1000	1440-208.2		ORAN ROWINGIACI, OR	10000	CBE Windsor, ON	10000
400-214.2		CFCP Courtenay, BC CFGO Ottawa, ON	1000r 50000	1490-201.2		1570-191.1	
FLD Burns Lake, BC	1000	CJOI Wetaskiwin, AB 1450-206.8	10000r	CHFG Holberg, BC CFMR Fort Simpson, NT	40r 50000r	CFOR Orllia. ON	1000
FYR Whitecourt, AB HOA Stettler, AB	50r 1000	CBG Gander, NF	1000r	CFNC Cross Lake, MB CFPS Port Eigln, ON	25 1000r	CHLO St. Thomas/London, ON	10000
JFP Riviera du Loup, PQ	1000 10000r	CFAB Windsor, NS CFJR Brockville, ON	250r 1000	CFRC Kingston, ON CFWB Campbell River, BC	100r 1000r	CHUB Nanalmo, BC CKLM Laval, PQ	1000 5000
KCB Collingwood, ON KFL Lac Megantic, PQ	1000r 1000	CIFL Fraser Lake, BC CHAP Long Lac, ON	50 40r	CJMC Ste-Anne-des-Monts	Q 1000r	CKLM Montreal, PQ CKLQ Brendon, MN	5000 1000
KOB Renfrew, ON KRN Rouyn, PQ	1000r 1000	CHCL Medley, AB CHEF Granby, PQ	40r 10000r	CJPR Crowsnest Pass, AB CJSN Shaunavon, SK	1000	CKTA Taber, AB	500
(RV Drummondville, PQ (SJ St-Jovite, PQ	2500° 1000r	CHMO Moosonee, ON CHRT Pohenegamook PO	50r 1000	CKBM Montmagny, PQ CKBV Hazelton, BC	1000r ,50	1580-189.2 CBJ Chicoutimi, PQ	5000
		CHUC Cobourg, ON CHCU Port Hope, ON	1000r 1000r	CKEN Kentville, NS CKLR L'Annonciation, PQ	1000r 2000r	our officoadini, PQ	3000
410-212.6 FMB Montreal, PQ	10000	CJBM Causapscal, PQ CKSP Summerland, BC	1000	CKMV Grand Falls, NB CKOO Oliver, BC	1000r 1000	1600-187.5	
FUN Vancouver, BC KSL London, ON	50000	CKYR Jasper, AB	100r	*		CHIB Chibougamau, PQ CHNR Simcue, ON	10000
GO Antigonish, NS	10000	1460-205.4		1500-199.9		CBA Moncton, NB CBAF Moncton, NB	107
IGO Port Hawkesbury, NS	10000	CJOY Guelph, ON	10000	CKAY Duncan, BC	10000r	CBD Saint Johns, NB	111

CANADIAN AM STATIONS BY CALL LETTERS

ocation C	all kHz	Location Call	kHz	Location Cal	kHz .	Location Call	kHz
BA Moncton, NB	1070	CFLV Valley Field, PQ	1370	CHOW Welland, ON	1470	CJLS Yarmouth, NS	13
BE Windsor, ON BEF Windsor, ON	1550	CFLW Wabush, NF	1340	CHPQ Parksville, BC	1370	CJMC Ste-Anne-des-Monts,	
BF Montreal, PQ	540	CFMB Montreal, PQ	1410	CHPR Hawkesbiry, ON	1110	P	Q 14
BG Gander, NF	690 1450	CFMR Fort Simpson, NT	1490	CHQB Powell River, BC	1280	CJMD Chivougamau, PQ	12
BGA Matane, PQ	1250	CFNB Fredericton, NB	550	CHQM Vancouver, BC	1320	CJME Regina, SK	130
BH Hallfax. NS	860	CFNC Cross Lake, MB CFNI Port Hardy, BC	1490	CHOR Calgary, AB	810	CJMR Mississauga, ON	119
BI Sydney, NS	1140	CFNL Fort Nelson, BC	1240	CHOT Edmonton, AB	1110	CJMS Montreal, PQ	120
J Chicoutimi, PQ	1580	CFNW Port au Choix, NF	590	CHRB High River, AB	1280	CJMT Chicoutimi, PQ	143
KF Saskatoon, SK	860	CFOB Fort Francis, ON	790 800	CHRC Quebec, PQ CHRD Drummondville, PQ	800	CJNB North Batleford, SK	10
SK Regina, SK	540	CFOK Westlock, AB	1370	CHRL Roberval, PQ		CJNC Norway House, MB	13
L Toronto, ON	740	CFOR Orilla, ON	1570	CHRM Matane, PQ	910 1290	CJNH Bancroft, ON	12
M Monteal, PQ	940	CFOS Owen Sound, ON	560	CHRS Montreal, PQ	1090	CJNL Merritt, BC CJNR Blind River, MN	12
N Saint Johns, NF	640	CFPA Thunder Bay, ON	1230	CHRT Pohenegamook, PC	1450	CJNS Meadow Lake, SK	.7
MA St. Anthonys, NF	600	CFPL London, ON	980	CHSC St. Catharines, ON	1220	CJOB Winnipeg, MN	12
O Ottawa, ON	920	CFPR Prince Rupert, BC	860	CHSJ Saint John, NB	1150	CJOC Lethbridge, AB	6 12
OF Ottawa, ON	1250	CFPS Port Elgin, ON	1490	CHSM Steinbach, MN	1250	CJOI Wetaskiwin, AB	14
O Thunder Bay, ON	800	CFQC Saskatoon, SK	600	CHTK Prince Rupert, BC	560	CJOK Fort Murray, AB	12
QR Rankin Inlet, NT	1160	CFRA Ottawa, ON	580	CHTM Thompson, MN	610	CJOR Vancouver, BC	6
R Catgary, AB	1010	CFRB Toronto, ON	1010	CHTN Charlottetown, PE	1190	CJOY Guelph, ON	14
T Grand Falls, NF U Vancouver, BC	540	CFRC Kingston, ON	1490	CHUB Nanaimo, BC	1570	CJPR Crowsnest Pass, AB	14
V Quebec, PQ	690 980	CFRG Gravelboroug, SK	690	CHUC Chubourg, ON	1450	CJPR Crowsnest Pass, BC	12
W Winnipeg, MN	980	CFRN Edmonton, AB	1260	CHUM Toronto, ON	1050	CJRB Boissevain, MN	12
X Edmonton, AB	740	CFRP Forestville, PQ	620	CHVD Dolbeau, PQ	1230	CJRC Hull, PQ	11
Y Corner Brook, NF	990	CFRW Winnipeg, MN CFRY Portage La Prairie, MN	1290	CHWK Chilliwack, BC	1270	CJRL Kenora, ON	12
Z Fredericton, NB	970	CFSL Weyburn, SK	920	CHWO Oakville, ON	1250	CJRN Niagra Falls, ON	7
AB Windsor, ON	1450	CFSX Stephenville, NF	1190 910	CHYM Kitchener, ON	570	CJRP Quebec, PQ	10
AC Calgary, AB	960	CFTJ Cambridge, ON	960	CHYQ Musgravetown, NF CHYR Leamington, ON	670	CJRS Sherbrooke, PQ	15
AM Altona, MN	950	CFTK Terrace, BC	590	CIFL Fraser Lake, BC	710	CJRW Summerside, PE	12
AN New Castle, NB	790	CFTR Toronto, ON	680	CIGO Port Hawkesbury, N	1450 3 1410	CJSA Ste-Agathe-des-Monts	
AR Filn Flon, MN	590	CFUN Vancouver, BC	1410	CIHI Fredericton, NB	1260	CICL Estavan SK	
AX Victoria, BC	1070	CFVM Amqui, PQ	1220	CINL Princeton, BC	1400	CJSL Estevan, SK CJSN Shaunavon, SK	12
BC Saint John, NB	930	CFVR Abbotsford, BC	850	CIOK St. Paul, AB	1310	CJSO Sorel, PQ	149
BK Huntsville, ON	630	CFWB Campbell River, BC	1490	CIPC Port-Cartier, PQ	710	CJSS Cornwall, ON	12
BQ Parry Sound, ON	1340	CFWH Whitehorse, NT	570	CIRB Lac Etchemin, PQ	1240	CJTN Trenton, ON	12
OR Sudbury, ON	900	CFYK Yellowknife, NT	1340	CISL Richmond, BC	940	CJTR Trois-Rivieres, PQ	110
BV Simthers, BC	1230	CFYN Sault Ste. Marie, ON	1050	CISV Morden, MB	1530	CJTT New Liskheard, ON	12
CB Corner Brook, NF CF Montreal, PQ	570	CFYQ Gander, NF	1350	CIVH Vanderhoof, BC	1340	CJVA Caraquet, NB	81
CH Churchill, MN	600 1230	CFYR Whitecourt, AB	1400	CIYO Grand Falls, NF	680	CJVB Vancouver, BC	14
CH North Bay, ON	600	CHAB Moose Jaw, SK	800	CIYR Hinton, AB	1230	CJVI Victoria, BC	90
CL Timmins, ON	620	CHAD Amos, PQ CHAK Imuvic, NT	1340	CYAD Montreal, PQ	800	CJVL Ste-Marie-Beauce, PQ	136
CN Calgary, AB	1060	CHAL St-Pamphile, PQ	860	CJAF Cabano, PO	1240	CJVR Melfort, SK	142
CO Chatham, ON	630	CHAP Long Lac, ON	1350 1450	CJAN Asbestos, PQ CJAR The Pas, MN	1340	CJWA Wawa. ON	124
CP Courtenay, BC	1440	CHAT Medicine Hat, AB	1270	CJAT Trail, BC	1240	CJWW Saskatoon, SK	137
CT Tuktoyaktuk, NT	600	CHBV Houston, BC	1450	CJAV Port Alberni, BC	610 1240	CJXX Grande Prairie, AB	143
CW Edmonton, AB	790	CHCL Medley, AB	1450	CJBC Toronto, ON	860	CJYO St. Johns, NF	93
Y Charlottetown, PE	630	CHCM Marystown, NF	560	CJBK London, ON	1290	CJYR Edson, AB	97
OA Victoriaville, PQ	1380	CHEC Lethbridge, AB	1090	CJBM Causapscal, PQ	1450	CKAC Montreal, PQ	73
R Dartmouth, NS	680	CHED Edmonton, AB	630	CJBQ Belle VIIIa, ON	800	CKAD Middleton, NS CKAL Vernon, BC	135
D Chapais, PQ	1340	CHEF Granby, PQ	1450	CJBR Rimouski, PQ	900	CKAN Newmarket, ON	105
K Fernie, BC	1240	CHER Sydney, NS	950	CJCA Edmonton, AB	930	CKAP Kapukasing, ON	58
B Frobisher Bay, NT BB Happy Valley, NF	1210	CHEX Peterborough, ON	980	CJCB Sydney, NS	1270	CKAR Oshawa, ON	135
M Richmond Hill, ON	1340	CHFA Edmonton, AB	680	CJCD Yellow Knife, NT	1240	CKAY Duncan, BC	150
M Toronto, ON	1320 1310	CHGB La Pocatiere, PQ	1310	CJCH Hallfax, NS	920	CKBB Barrie, ON	95
N Port-aux-Basques, I	VF 1230	CHIB Chibouganau, PQ	1600	CJCI Prince George, BC	620	CKBC Bethurst, NB	136
O Ottawa, ON	1440	CHIC Brampton, ON CHIN Toronto, ON	790	CJCJ Woodstock, MB	920	CKBH Bale Comeau, PQ	79
P Grande Prairie, AB	1050	CHLC Bale Comeau, PQ	1540 580	CJCS Stratford, ON	1240	CKBI Prince Albert, SK	90
T Alma, PQ	1270	CHLD Granisle, BC	1480	CJCW Ward Creek, NB	950	CKBM Montmagny, PQ	149
IG Holberg, BC	1490	CHLN Trois-Rivieres PO	550	CJDC Dawson Creek, BC CJDV Drumheller, AB	1350	CKBR Brooks, AB	134
Cornwall, ON	1170	CHLO London, ON	1570	CJEM Edmondson, NB	910	CKBS St-Hyacinthe, PQ	124
C Kamloops, BC	550	CHLT Sherbrooke, PO	630	CJEN St-Jerome, PQ	570 900	CKBV Hazelton, BC	149
R Brockville, ON	1450	CHML Hamitton, ON	900	CJET Smiths Falls, ON	630	CKBW Bridgewater, NS	100
C Creston, BC	1340	CHMO Moosonee, ON	1450	CJFP Riviera-du-Loup, PQ	1400	CKBX 100 Mile House, BC	124
H Toronto, ON	1430	CHNC New Carlisle, PO	610	CJFX Port Hawkesbury, NS	580	CKCB Collingwood, ON	140
C Churchill, Falls, NF	1340	CHNL Kamloops, BC	610	CJGX Yorkton, SK	940	CKCH Ottawa, ON CKCL Truro, NS	97
D Burns Lake, BC	1400	CHNO Sudbury, ON	550	CJIB Vernon, BC	940	CKCM Grand Falls, NF	60
H Hearst, ON	1340	CHNR Simcue, ON	1600	CJJC Langley, BC	800	CKCN Step-lies, PQ	62
K Kapuskasing, ON	1230	CHNS Hallfax, NS	960	CJJD Hamilton, ON	1280	CKCQ Quesnel, BC	620
M La Tuque, PQ	1240	CHOA Stettler, AB	1400	CJKL Kirkland Lake, ON	560	CKCR Revelstoke, BC	134
N Goose Bay, NF P Rimouski, PQ	1230	CHOK Sarnia, ON	1070	CJLA Lachute, PQ	630	CKCV Quebec, PQ	1280
P RIMOUSKI, PU	1000	CHOO Ajax, ON	1390	CJLM Jollette, PQ	1350	CKCW Moncton, NB	148

CANADIAN AM STATIONS BY CALL LETTERS

Location	Call	kHz	Loc	ation	Call	kHz	Local	lion	Call	kHz	Location	Call	kHz
CKDA Victoria, BC		1220		Thetford Mine		1330		Kelowna, B		620 1310	CKTB St. Cather		610 1230
CKDH Amherst, NS CKDK Woodstock, NB		900 1340		Vancouver, Bo		730 1570		Otlawa, ON Brantfort, C		1380	CKTL Piessiville		1420
CKDM Duphin, MN	•	730		Brandon, MN		1570		Prince Geo		550	CKTS Sherbrook		900
CKDR Dryden, ON		900		L'Annonciatio	n. PO	1490		Bagotville,		1470	CKUA Edmontor		580
CKDY Digby, NS		1420		La Sarre, PQ		1240		Thunder Ba		580	CKVD Val D'Or.	PQ	900
CKEC New Glasgow.	NS	1320		Windsor, ON		800		Peterborou		1420	CKVL Verdon, P	Q	850
CKEK Cranbrook, BC		570		Lindsey, ON		910		Castleger,		1230	CKVM VIIIa-Mari	e, PQ	710
CKEN Kentville, NS		1490		Maniwaki, PC)	1340	CKAB	St-George-	de-Beauce	0,	CKVO Clarenvill	a. NF	710
CKEY Toronto, MN		590	CKMI	Mackenzie, B	С	1240			P	Q 1460	CKVT Temiscani	ng, PQ	1340
CKFH Toronto, ON		1430	CKML	Mont-Laurier,	PQ	610		Winnipeg, I		630	CKWL Williams I		570
CKFL Lac Megantic, F	O.	1400	CKMF	Midland, ON		1230		Red Deer,		850	CKWS Kingston		960
CKGA Gander, NF		730	CKM	Grand Falls, P	1B	1490		Royun, PQ		1400	CKWW Windsor.		580
CKGB Timmins, ON		680		W Brampton, O		790		Rouyn, PQ		1230	CKWX Vancouve		1130
CKGF Grand Forks, B	C	1340	CKNE	Campbellton,	NB	950		Jonquiere,		590	CKX Brandon, M		1150
CKGM Montreal, PQ		980		Fort St. John,		560		Drummond		1400	CKXL Calgary, A		1140
CKGO Hope, BC		1240		Elliott Lake, C		1340		Whitehorse		610	CKXR Salmon A		580
CKGR Golden, BC		1400		Espanola, ON		930		Lloydminst		1080	CKY Winnipeg, I		580
CKGY Red Deer, AB		1170		V Vancouver, B		980		St. Bonifac		1050	CKYL Peace Riv		610
CKIM Bale Verte, NF		1240		Wingham, ON		920		St-Jovite, P		1400	CKYO Grand Ba		610
CKIQ Kelowna, BC		1150		Montreal, PO		1470		London, Of		1410	CKYR Grande C		1230
CKJD Sarnia, ON		1110		Rentrew, ON		1400		Shawingan		1220	CKYR Jasper, A		1450
CKJS Winnipeg, MN		810		Hamilton, ON		1150		Summerian		790 1450	VOAR St. Johns		550 1230
CKKC Nelson, BC		1390		Penticton, BC		800		Edmonton.		1070	VOCM St. Johns		590
CKKR Rosetown, SK		1330		A Saskatoon, S		1250		Swift Curre		570	VOWR St. Johns		800
CKKW Kitchener, ON		1090 1380		Oliver/Osoyo		1240 1510		Taber, AB	mi, SK	1570	TOWN SE JOHN	, IT	800
CKLC Kingston, ON		1380	CKO	i inionsburg, C	714	1510	CKIA	Tabel, AD		1370	ř.		

CANADIAN AM STATIONS BY LOCATION

About 1001		1				1		
Alles, Old. COLO 1980 Ambers, NS CFAH 1902 Ambers, NS CFAH 1902 CFAH 1903 Ambers, NS CFAH 1903 CFAH 1904	Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
Alles, Old. COLO 1980 Ambers, NS CFAH 1902 Ambers, NS CFAH 1902 CFAH 1903 Ambers, NS CFAH 1903 CFAH 1904	Abbantland BC	CEVP BED	Edmonton/Camrosa	AR CECW 790		CJOC 1220	Prince Albert, SK	CKBI 900
Allore, M. C. 124 950 Amoult P. C. 124 950 Amoult P. C. 124 950 Amoult P. C. 124 950 Annuel P. C. 124 950 C. 124 950 Annuel P. C. 124 950 C. 12	Alax, ON		Edmondston, NB	CJEM 570		CFLS 920		CJCI 620
Ambert, NS Amos, PO CHOM 130 C	Alma, PQ	CFGT 1270	Edson, AB	CJYR 970	Lindsay, ON			
Amoult PO Amoult PO CHO 1310 C			Elliott Lake, ON	CKNR 1340	Lloydminister, SK	CERI 080	Prince Hupert, BC	
Amegin Po	Amherst, NS				London, UN		Princeton, BC	
Ansigonih, NS CLO 1100 CLAR 110	Amoul, PO	CFVM 1220				CJBK 1290		CBV 980
Abbetion, P.O. CARD 1900 CARD 1900 CARD 1900 CARD 1900 CARD 1900 Ford Francis, O. M. CARD 1900 Ford St. John, 18C C	Antigonish, NS	CIGO 1410	Filn Flon, MN	CFAR 590				
Bagiorila, P.O. Extending P.O		CJFX 580	Forestville, PQ	CFRP 620	Long Lac, ON	CHAP 1450		
Bale Verfa, N. C.	Aspestos, PQ	CKDB 1470	Fort McMurray AR	C.IOK 1230	Mackenzie BC	CKMK 1240		CKCV 1280
Barrier, N. C. C. 191 200 Barrier, N. C. C. C. 191 200 Barrier, N. C. C. C. 191 200 Barrier, N. C. C. C. C. 191 200 Barrier, N. C.		CHLC 580			Maniwaki, PQ	CKMG 1340	Quesnel, BC	CKCQ 920
Banric, ON		CKBH 790	Fort St. John, BC	CKNL 560	Marystown, , NF		Red Deer, AB	CKGY 1170
Barbursi, MB Balbursi, AB CKGC 1350 Ballamer, AB CKGC 1350 Green, BC CKGC 1300 Gr	Bale Verte, NF	CKIM 1240	Fort Simpson, NT	CFMR 1490	Matane, PQ		Pagine CV	CKRD 850
Ballwiff, No. C. CKC 130 C. CLUB 730 C. CKC 150 C. CKC				CBZ 970	Meadow Lake SK		negina, sk	
Belletimore, AB C, C 130, 800 C, C		CKBC 1350	, receitation, res	CFNB 550	Medicine Hat, AB	CHAT 1270		CKCK 620
Billet (New Corner)	Bellville, ON	CJBQ 800	A STATE OF THE STA	CIHI 1260	Mediey, AB	CHCL 1450	S ON	CKRM 980
Camphellon No. Ching 120 C	Blairmore, AB				Melfort, SK	CJVR 1420		CKOB 1400
Brandon, ON CKMP 780 CASH 730 CKGR 1400 CKGR	Blind filver, ON	CJNH 730	Gander, NF			CKAD 1350	Richmond, BC	CISL 940
Brantiors	Brampton, ON	CKMW 790		CKGA 730	Midland, ON	CKMP 1230	Richmond Hill, ON	CFGM 1320
Brangeweir, NS CREW 1900 Grand Bank, NF CRY 1900 GRAND BROOKHIST, NF CRY 1	Brandon, MN	CKLQ 570	Golden, BC	CKGR 1400	Mississauga, ON		Rimouski, PQ	
Bridgewiter, NS CR89 1900 CF20 1400 Cearmore AB C CF20 1400 Ceatagary, AB C CF20 1400 Cearmore AB C CF		CKX 1150		CFLN 1230	Moncton, NB	CBAE 1300	Riviere duel our PO	CJEP 1400
Brooks, AB C CKBR 1450 Brooks, AB C CKBR 1450 Calagary, AB C CLAF 1240 Calgary, AB C CKBR 1500 C CALOR 100 C CHOR 100 C CHOR 100 C CHOR 100 C CHOR 100 C CKKR 1450 C CKR 145			Grand Bank NF	CKYO 610		CKCW 1220	Roberval, PQ	CHRL 910
Brook AB CRB 1340 Cramphell All Al	Brockvilla, ON	CFJR 1450	Grand Falls, NB			CKML 610	Rosetown, SK	CKKR 1330
Burns Lake, BC CFLD 1400 Calano, PC	Brooks, AB	CKBR 1340	Grand Falls, NF	CBTC 540	Montmagny, PQ	CKBM 1490		CKRN 1400
Campbell River, BC CFWB 1490 CARNA SS 050 CHBC 1500 CARNA SS 050 CFWB 1490 CARNA SS 050 CHBC 1500 CARNA SS 050 CHBC 1500 CARNA SS 050 CFWB 1490 CARNA SS 050 CHBC 1500 CARNA SS 050 CHBC 1500 CARNA SS 050 CFWB 1500 CARNA SS 050 CA	Burns Lake, BC			CIYQ 680	Montreal, PQ	CBF 690	St Anthony MF	
CFAC 956 CFCN 1066 CFCN 10	Calgary AR		Grand Forks, BC				St. Boniface, MB	
CECN 1080 CHR8 109 CHR9 109 CH	Saigary, AD	CFAC 960		CKYR 1230		CFMB 1410	St. Catharines, ON	CHSC 1220
Campbell River, BC CAND 1500 Campbell River, BC CAND 1500 CAN		CFCN 1060	Grande Prairie, AB			CHRS 1090	S. S	CKTB 610
Cambridge, ON CFU 900 Cramore, AB CFU 900 Cram		CHQR 810	Constalla DC		ļ.	CJAD 800	St-Georges-de-Beauc	CHRT 1450
Cambridge, ON CFU 900 Cramore, AB CFU 900 Cram	Campbell Blver BC		Gravelboroug SK	CFRG 690		CKAC 730	31-Georges-Ge-Beedc	CKRB 1460
Amount of the color of the co	Campbellton, NB	CKNB 950		CJOY 1460		CKGM 980	St-Hyacinthe, PQ	
Castlegar, BC CRX 130 Castlegar, BC CRX 130 Castlegar, BC CRX 150	Cambridge, ON	CFTJ 960	Hallex, NS	CBH 860		CKLM 1570	St. Jean, PQ	CHRS 1090
Causapracii, P. C. (Jabil 150) Causapracii, P. C. (Jabil 150) Chapais, P. O. (Jabil 150) Charjontelown, P. C. (CFC) 1340 Charlottelown, P. C. (Jabil 1340) Chicoultim, P. C. (Jabil 1340) Chicoultim, P. C. (Jabil 1340) Chicoultim, P. C. (Jabil 1340) Churchill, Falls, N. F. (CFC) 1340 Churchill, Falls, N. F. (CFC) 1340 Churchill, Falls, N. F. (CFC) 1340 Clarenvitis, N. F. (CRV) 710 Communii, ON (CFC) 1340 Communii,	Cramrose, AB					CKU 1470	St. Jerome, PU	CBD 1110
CABJISP CAL PO CFED 1340 Chapais, PO CFED 1340 Chibougamau. PO Chiboug		CKOP 1230	Hamilton ON		Moose Jaw. SK	CHAB 800	31. 00111. 140	CFBC 930
Charlottelown.PE CFC 9530 Chilbridge and Part 1420 Chilbrid	Causanscal, PO		The minion, On	CJJD 1280	Moosonee, ON	CHMO 1450		CHSJ 1150
Charbam, D. C. CFC 930	Chapals, PQ	CFED 1340	_	CKOC 1150	Morden, MB	CJTT 1230	St. Johns, NF	CBN 640
Chailmam, ON	Charlottetown, PE	CFCY 630		CFGB 1340	Musgravetown, NF	CHUR 1570		VOAR 1230
Chipougamau, PO Chill 1800 Chill 1900	Chalham ON					CKKC 1390		VOCM 590
Chilcoutimin, PQ CMD 1240 Chicoutimin, PQ CMD 1240 Chicoutimin, PG CMT 1320 Chicoutimin, PG CMT 1320 Chicoutimin, PG CMT 1320 Chicoutimin, PG CMC CMC CMC CMC CMC CMC CMC CMC CMC CM	Cherryfield, NB		Hazeiton, BC	CKBV 1490	New Carlisie, PQ	CHNC 610		VOWR 800
Chicoutimi, PQ	Chibougamau, PQ	CHIB 1600	Hearst, ON	CFLH 1340		CFAN 790	St-Jovite, PQ	CKSJ 1400
Chillwac, BC CHWK 1270 Hope, BC CKFIG 1490 CKWW 981minlater, BC CKWW 980 Nilegra Fails, OR CJRC 1340 CLIRC 134			High River, AB	CIVE 1230	New Listeard ON	CJTT 1230		CIOK 1310
Childware, BC	Chicoutimi, Pu		Holberg, BC	CFHG 1490		CKAN 1480	St. Thomas. ON	CHLO 1570
Churchill Fells, NF	Childwac, BC	CHWK 1270	Hope, BC	CKGO 12401	New Westminiater, BC	CKNW 980	Ste-Agathe-des-Mont	B. PQ
Clarenville, NF	Churchill, MN	CFCH 1230	Houston, BC	CHBV 1450		CJRN 710	Sta Anne des Monte	CJSA 1230
Clearwater, BC		CFLC 1340	Hull, PQ	CJBC 1150	North Bay ON		Ste-Marie-Beauce	CJVL 1360
Coburg. ON CHUC 1450 CHUR 1450 COUNTY	Clearwater BC			CKCH 970	North River, PE	CFCY 630		CBD 1110
Collingwood, ON CKCB 1400 CBY 990 CBY 990 CFCB 570 Joilette, PQ CJLM 1350 Oliver, BC CKOP 1450 CFCB 570 Joilette, PQ CJLM 1350 Oliver, BC CKOP 1450 CKJD 1110 CBY 1170 CGWAP 180 CFCB 1570 CKJD 1110 CBY 1170 CGWAP 180 CFCB 180 CFGC 1440 CFCB 180 CFGC 180 CFG	Cobourg, ON	CHUC 1450	Huntsville, ON	CFBK 630	Norway House, MB	CJNC 1340		CFBC 930
Cornwail, ON CFC 570 Cornwail, ON CFC 570	Collingwood, ON	CKCB 1400	Inuvik, NT		Oakville, ON	CHWO 1250	Salmon Arm BC	CKXR 580
Cornwall, ON	Corner Brook, NF			CJLM 1350	Orilla, ON	CFOR 1570	Sarnia, ON	CHOK 1070
Courtenay	Cornwall, ON	CFIX 1170		CKRS 590	Oshawa, ON	CKAR 1350		CKJD 1110
Creston, BC		CJSS 1220	Kamioops, BC	CFJC 550	Ottawa, ON	CBO 920	Saskatoon, SK	
Creston, BC	Courtenay, BC		Kanushashas Car			CEGO 1440		
Cross Lake, MB C CJR 1490 C CKCV 930 CK	Cranbrook, BC		Rapuskasing, ON	CKAP 580		CFRA 580		CKOM 1250
Crowsnest Pass, AB CJPR 1490 Crowsnest Pass, BC CJPR 1490 Crowsnest Pass, BC CJPR 1680 CFPR 680 CFPR 680 CFPR 680 CFPR 680 CJDC 1350 CJDC	Cross Lake, MB	CFNC 1490	Kelowna, BC	CKIQ 1150		CJRC 1150	Sault Ste. Marie, ON	
Darfmouth, NS	Crowsnest Pass, AB	CJPR 1490		CKOV 630				
Dauphin, MN	Crowsnest Pass, BC				Osovoos SC	CKOO 1240	Sept-lies, PQ	CKCN 560
Dawson Creek, BC CJDC 1350	Daughin MN		Kindersley, SK	CKKR 1330	Owen Sound, ON	CFOS 560	Shaunavon, SK	CJSN 1490
Digraell, PQ	Dawson Creek, BC	CJDC 1350	Kingston, ON	CFRC 1490	Parksville, BC	CHBQ 1370	Shawinigan, PQ	CKSM 1220
Dispare Po	Digby, NS	CKDY 1420		CKLC 1380	Parry Sound, ON		Sherbrooke, PQ	CJRS 1510
Drumheller, AB Drum	Disraell, PQ		Kirkland Lake Obi		Pembroke, ON			CKTS 900
Drummondville, PQ						CKOK 800	Simcoe, ON	CHNR 1600
CKRV 1400		CHRD 1480		CKKW 1090		CHEY ACC	Smithers, BC	CFBV 1230
Dyncan, BC		CKRV 1400	Lac Meganic, PQ	CKFL 1400	Peterborough, ON		Soci. PO	CJSO 1320
CFN 100	Dryden, ON	CKUR 900	Langley, 8C	CIRR 1230	Plessiville, PQ	CKTL 1420	Steinbach, MB	CHSM 1250
CFCW 790 CFRN 1280 CFRN 1280 CHED 630 CHED 630 CHAP 680 C		CBX 740		CJLA 630	Portage la Prairie, ME	CFRY 920	Stephenville, NF	CFSX 910
CHED 830 CHED 830 La Pocatiere, PQ CHGB 1310 CHFA 680 La Sarre, PQ CHLS 1240 CHQT 1110 CHQT 1110 CJGA 930 CLSVB, PQ CKST 1707 CKST 1707 CHQT 1070 CHQT	Zumomon, no	CFCW 790	Lac Megantic, PO	CKFO	Port Alberni, BC	CJAV 1240		CHOA 1400
CHFA 680 CHGA 1110 CHQT 1110 La Tuque, PQ CLKLM 1240 CLGA 930 CLSA 930 CKST 1070 CKST 1070 CHM 1570 CHM 15		CFRN 1260	L'Annonciation, PQ	CKLR 1490			Sudhury ON	
CHQT 1110 La Tuque, PQ CFLM 1240 Port Eigin, ON CFPS 1490 CKSP 1490 CKS			La Pocatiere, PO	CHGB 1310	Port Cartier PO	CIPC 710	Saubury, Ore	CHNO 550
CJCA 930 Level, PO CKLM 1570 Port Hawkesbury, NS CIGO 1410 Summerland, BC CKSP 1450 CKST 1070 Leamington, ON CHYR 710 Port Hope, ON CHUC 1450 Summerside, PE CJRW 1240				CFLM 1240		CFPS 1490	- W	CKSO 790
CKST 1070 Leamington, ON CHYR 710 Port Hope, ON CHUC 1450 Summerside, PC CHW 1240			Laval, PQ	CKLM 1570	Port Hawkesbury, NS	CIGO 1410		CKSP 1450
CKUA 580 1 Lethonage, AB CHEC 1090 1 Powell river, BC Charle 1200 1 Subset, 145 CSCW 550		CKST 1070	Leamington, ON		Port Hope, ON		Summerside, Pt	
		CKUA 580	Lethbridge, A8	CHEC 1090	POWER HIVET, DC	CH 28 1200 1	Just 1, 170	000 H 300

CANADIAN AM STATIONS BY LOCATION

Location	Call kHz	Location	Call kHz	Location	Call kHz	Location	Call kHz
Swift Current, SK Sydney, NS Taber, AB Temiscaming, PQ Terrace, BC The Pas, MB Thetford Mines, PQ Thompson, MB Thunder Bay, ON Tillonsburg, ON Tillonsburg, ON	CKSW 570 CBI 1140 CHER 950 CJCB 1270 CKTA 1570 CKYT 1340 CFLK 590 CJAR 1240 CKLD 1330 CHTM 610 CBQ 800 CKPR 580 CFPA 1230 CKOT. 1510	Trall, BC Trenton, ON Trols-Rivieres, PQ Truro, NS Tuktoyaktuk, NT Val D'Or, ON Valleyfleid, PQ	CHOO 1390 CHUM 1050 CJBC 860 CKEY 590 CFKH 1430 CJTN 1270 CJAT 610 CJTN 1270 CHLN 550 CJTR 1140 CKCL 600 CFCT 600 CKVD 900 CFLY 1370	Verdun, PQ Vernon, BC Victoria, BC Victoriaville, PQ Ville-Marle, PQ Wabush, NF Ward Creek, Wawa, ON Welland, ON	KARI-USA 550 CIVH 1340 CKVL 850 CJIB 940 CKAL 1050 CFAX 1070 CJVI 900 CKDA 1220 CFDA 1380 CKVM 710 CFLW 1340 CJCW 950 CJWA 1240 CHOW 1470	Wingham, ON Winnipeg, MB Woodstock, NB	CBEF 540 CFAB 1450 CKLW 800 CKWW 580 CKNW 920 CBW 920 CFW 1290 CFAW 1290 CKJS 810 CKJS 810 CKSB 1050 CKY 560 CKJS 1050 CKY 560 CKJS 800 CKY 560 CKY 560 CKY 560 CKY 560 CKY 560
Toronto, ON	CFCL 620 CKGB 680 CBL 740 CFGM 1310 CFRB 1010 CFTR 680 CHIC 790 CHIN 1540	Vancouver, BC	CBU 690 CFUN 1410 CHQM 1320 CJOR 600 CJVB 1470 CKLG 730 CKNW 980 CKWX 1130	Westlock, AB Wetaskiwin, AB Weyburn, SK Whitecourt, AB Whitehorse, YT Williams Lake, BC Windsor, ON	CFOK 1370 CJOI 1440 CFSL 1190 CFYR 1400 CFWH 570 CKRW 610 CKWL 570 CBE 1550	Yarmouth, NS Yellowknife, NT Yorkion, SK 100 Mile House, BC	CJLS 1340 CFYK 1340 CJCD 1240 CJGX 940 CKBX 1240

CANADIAN FM STATIONS BY CALL LETTERS

Call Location MHz CKIL-FM Michocultin, Po 96, 96, 70, 70, 70, 70, 70, 70, 70, 70, 70, 70	
CRE-FM Chariottetown, P. 96.3 CRE-FM Chariottetown, P. 96.5 CRE-FM Chariottetown, P. 96.	n MHz
CBB-FM Monclon, P.O. CBC-FM Sudbury, ON 98.3 CFLC-FM (Crawall, ON CBC-FM Sudbury, ON 98.3 CFM-FM Sudbury, ON 98.3 CFM-FM Switchington, ON 98.3 CFM-FM Switchingto	
CBS-FM Subdury, ON 98.9 CFM-FM Sakatono, SK 103.9 CFM-FM Shakaton, SK 103.9 CFM-FM Shakaton, SK 103.9 CFM-FM North Bay, ON 101.5 CFM-FM Montreal, PO 100.7 CBH-FM Hallfax, NS 102.7 CBH-FM Hallfax, NS 102.7 CBH-FM Hallfax, NS 102.7 CFM-FM North Bay, ON 101.5 CFM-FM	
CBD-FM SLOPIN, ON 99.9 (CFM-FM New Westimilister. CDFM-FM New	
CBB-FM St. John, NB 91.3 CBF-FM St. John, NB 91.3 CBF-FM Monitreal, PO 100.7 CFM-FM Mingston, ON 85.9 CFM-FM Kingston, ON 93.9 CFM-FM St.	106.1
CBF-FM Mindson, ON 89.9 (CBF-FM Mindson, ON 93.7 (CBF-FM Mindson, ON 93	
CBH-FM Montreal, P.O 100.7 CFM-FM Ringston, ON 29.3 CFM-FM Ringston, ON	
CBH-FM Squary, NS 10.3 CBI-FM Squary, NS 10.3	
CBIH-FM Isles-de-la-Madeleine, PO 93.5 CBJ-FM Chicoutimi, PO 100.9 CBK-FM Regina, SK 96.9 CBK-FM Regina, SK 97.7 CBK-FM Montreal, PO 97.7 CBK-FM Montreal, PO 97.7 CBM-FM Montreal, PO 97.7 CBM-F	103.5
CBIM-FM (sites-de-la-Madeleine, PQ 93.5) CBJ-FM Chloculimi, PQ 100.9 CBK-FM Regina, SK 96.9 CBK-FM Regina, SK 96.9 CBK-FM Regina, SK 96.9 CBK-FM Regina, SK 96.9 CBK-FM Regina, SK 97.7 CBK-SFM Saskatoon, SK 105.5 CFM-FM Montreal, PQ 93.5 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CFM-FM Montreal, PQ 93.5 CBM-FM SI, John's, NF 106.9 CFM-FM Montreal, PQ 93.5 CFM-FM Montrea	97.5
CRJFM Chicoulimi, PQ 100.9 CBK-FM Regina, SK 96.9 CBK-FM Regina, SK 105.9 CFM-FM Chicoulimi, NB 103.9 CFM-FM Chicoulimi, NB 103.9 CFM-FM Montreal, PQ 92.5 CBM-FM Standard, NF 105.5 CBM-FM Standard, NF 105.3 CBM-FM Chicoulimi, NF 105.9 CBM-FM Ch	106.9 94.5
CRN-FM Clavelini, PQ 100.9 CRN-FM Stanthony, NF 107.9 CRN-FM Stanthony, NF	99.7
CBKAFM Regine, SK 96.9 CBKAFM La Ronge, SK 105.9 CBKAFM La Ronge, SK 105.9 CBKAFM Regine, SK 105.9 CBK	99.1
CROX-FM Vancouver, BC	C 96.0
CRIS-FM Reglins, SK CSM-FM Montreal, PO SS-5 CSM-FM Montreal, PO SS-6 CSM-FM Montreal, PO SS-7 C	
CBL-FM Toronto, ON 94.1 CGR-FM Montreal, PQ 92.5 CFRC-FM Kingston, ON 91.9 CBM-FM St. John's, NF 106.9 CFRC-FM Kingston, ON 91.9 CBO-FM Ottawa, ON 103.3 CFRN-FM Edmonton, AB 100.3 CFRN-FM Sault Ste. Marle, CFL-FM Sherhove, PQ 104.7 CBV-FM Quebec, PQ 104.7 CBV-FM Quebec, PQ 104.7 CBV-FM Quebec, PQ 104.7 CBV-FM Quebec, PQ 104.7 CBV-FM Montreal, PQ 102.3 CBX-FM Edmonton, AB 100.9 CBX-FM Saint John, NB 100.3 CBX-FM Fredericton, NB 10.5 CBX-FM Edmonton, AB 100.3 CBX-FM Fredericton, NB 10.5 CBX-FM Edmonton, AB 100.3 CBX-FM Fredericton, NB 10.5 CHM-FM Klinhum Mines, PQ 103.5 CFRM-FM Clearwater, BC 10.5 CHM-FM Klinhum Mines, PQ 103.5 CFRM-FM Clearwater, BC 10.5 CHM-FM Klinhum Mines, PQ 103.5 CHM-FM Milliam M	96.9
CRM-FM Montreal, PQ 93.5 CRO-FM Montreal, PQ 92.5 CRM-FM Ste. Adole, PQ 93.5 CRC-FM Kingston, ON 91.9 CRM-FM Ste. Adole, PQ 93.5 CRC-FM Kingston, ON 91.9 CRM-FM Ste. Adole, PQ 93.5 CRC-FM Kingston, ON 91.9 CRM-FM Ste. Adole, PQ 93.5 CRC-FM Kingston, ON 91.9 CRM-FM Ste. Adole, PQ 93.5 CRC-FM Cingston, ON 91.9 CRM-FM Hull, PQ 94.9 CRC-FM Cingston, ON 102.5 CRO-FM Vancouver, BC 102.5 CRO-FM Vancouver, BC 102.5 CRO-FM Vancouver, BC 102.5 CRO-FM Vancouver, BC 102.5 CRM-FM Big Trout Lake, ON 106.3 CRM-FM Montreal, PQ 107.9 CRO-FM Vancouver, BC 105.7 CRM-FM Big Trout Lake, ON 106.3 CRM-FM Ste. Marle, CRC-FM Cingston, AB 102.3 CRM-FM Ste. Marle, CRC-F	
CBM-FM Nontreal, PQ 93.5 CRC-FM Kingston, ON 91.9 CBM-FM St. John's, NF 106.9 CRN-FM Edmonton, AB 100.3 CBO-FM Ottawa, ON 102.5 CRO-FM Arcouver, BC 102.7 CFTI-FM Edmonton, AB 100.3 CRN-FM Edmonton, AB 100.3 CRN-FM Edmonton, AB 100.3 CRN-FM Edmonton, AB 100.3 CRN-FM Battrictor, ON CRY-FM Battrictor, ON CRY-F	
CBN-FM St. John's, NF 106.9 CFRN-FM Edmonton, AB 100.3 CBO-FM Ottswa, ON 103.3 CBO-FM Holl, PQ 102.5 CFRN-FM Edmonton, AB 100.3 CBO-FM Holl, PQ 102.5 CFRN-FM Edmonton, AB 100.3 CBO-FM Holl, PQ 102.5 CFRN-FM Edmonton, AB 100.3 CFRO-FM Vancouver, BC 102.7 CBO-FM Vancouver, BC 102.1 CBRN-FM Pont-su-Port, NF 94.3 CBW-FM Vancouver, BC 105.7 CBU-FM Vancouver, BC 105.7 CBW-FM Winnipeg, MB 98.3 CBW-FM Vancouver, BC 105.7 CBW-FM Winnipeg, MB 98.3 CBW-FM Thompson, MB 100.9 CBW-FM Uninpeg, MB 98.3 CBW-FM Thompson, MB 100.9 CBX-FM Edmonton, AB 93.3 CBW-FM Thompson, MB 100.9 CBX-FM Edmonton, AB 93.3 CBW-FM Thompson, MB 103.7 CBW-FM Federicton, NB 103.7 CBW-FM Federicton, NB 103.7 CBZ-FM Fredericton, NB 103.5 CFCQ-FM Klichener, ON 105.3 CFCQ-FM Klichener, ON 105.3 CFGC-FM Klichener, ON 105.3 CFGC-FM Klichener, ON 105.3 CFGC-FM Klichener, ON 105.3 CFGC-FM Klichener, ON 105.5 CFM-FM Clarenter, BC 29.7 CHM-FM Winnipeg, MB 93.5 CFM-FM Clarenter, BC 29.7 CHM-FM Kamioops, BC 29.7 CHM-FM Winnipeg, MB 29.3 CHM-FM Winnipeg, MB 29.3 CHM-FM Winnipeg, MB 29.3 CHM-FM Winnipeg, MB 29.5 CHM-FM Winnipeg, MB 29.5 CHM-FM Winnipeg, MB 29.5 CHM-	
CBO-FM Oltawa, ON 103.5 CFRN-FM Edmonton, AB 100.3 CBO-FM Molly PO 102.5 CBO-FM Vancouver, BC 102.7 CFTI-FM Timmins, ON 92.1 CBN-FM Sudbury, ON 98.1 CBN-FM Calgary, AB 102.1 CHAK-FM Lytton, BC 102.7 CBU-FM Vancouver, BC 105.7 CBU-FM Vanc	92.1
CRO-F-M Oltawa, ON 102.5 CRO-F-M Vancouver, BC 102.7 CBO-F-M Roudbury, ON 92.1 CCTI-F-M Big Trout Lake, ON 100.3 CBR-F-M Calgary, AB 102.1 CHAK-F-M Lytton, BC 106.1 CCTI-F-M Big Trout Lake, ON 100.3 CBN-F-M Sudbury, ON 92.1 CCTI-F-M Big Trout Lake, ON 100.3 CBN-F-M Pont-au-Port, NF 94.3 CHAK-F-M Lytton, BC 106.1 CO-F-M Halifax, NS 100.5 CBV-F-M Vancouver, BC 97.7 CBV-F-M Vancouver, BC 97.7 CBV-F-M Ouebec, PO 95.3 CBV-F-M Unitipeg, MB 98.3 CHEZ-F-M Calgary, AB 98.1 CHEZ-F-M Chebridge, AB 100.9 CHEZ-F-M Outbeva, ON 106.1 CBR-F-M Calgary, AB 93.3 CHEZ-F-M Calgary, AB 95.9 CBZ-F-M Fredericton, NB 102.3 CBZ-F-M Redericton, NB 103.5 CBZ-F-M Redericton, NB 103.5 CBZ-F-M Saint John, NB 102.3 CBZ-F-M Saint John, NB 102.3 CFBC-F-M Saint John, NB 102.3 CFBC-F-M Saint John, NB 102.3 CFGC-F-M Trois-Rivieres, PO 93.9 CFCQ-F-M Trois-Rivieres, PO 93.9 CFCQ-F-M Saint John, NB 102.3 CFM-F-M Winnipeg, MB 94.3 CFM-F-M Clarer, BC 97.7 CHIM-F-M Toronto, ON 105.5 CFM-F-M Minnipeg, MB 94.3 CFM-F-M Clarer, BC 97.7 CHIM-F-M Rouyn, PO 95.5 CHIM-F-M Rouyn, PO CHIM-F-M Winnipeg, MB 94.3 CCM-F-M Redericton, NB 101.5 CFM-F-M Calgary, AB 95.9 CHIM-F-M Chibougamau, PO CHIM-F-M Rouyn, PO 95.5 CHIM	
CBUN-FM Sudbury, ON 98.1 CFTI-FM Big Trout Lake, ON 100.3 CBR-FM Calgary, AB 102.1 CCRL-FM CAIgary, AB 102.1 CCRL-FM Calgary, AB 102.1 CCRL-FM Calgary, AB 102.1 CCRL-FM Sault Ste. Marle, CBU-FM Vancouver, BC 105.7 CBV-FM Quebec, PQ 95.3 CHAY-FM Sault Ste. Marle, CBW-FM Quebec, PQ 95.3 CHAY-FM Barrle, ON 100.5 CBW-FM Quebec, PQ 104.7 CBV-FM Cuebec, PQ 104.7 CBW-FM	
CERL-FM Calgary, AB 102.1 CHAK-FM Lytton, BC 106.7 CHAK-FM Lytton, BC 106.7 CBU-FM Vancouver, BC 105.7 CBU-FM Vancouver, BC 105.7 CBU-FM Vancouver, BC 105.7 CBU-FM Wancouver, BC 105.7 CBU-FM Vancouver, BC 105.7 CBU-FM Wancouver, BC 105.8	
CHAR-FM Cyton, BC CHAR-FM Cyt Chart, YT CBU-FM Vancouver, BC CBU-FM Vancouver, BC CBU-FM Quebec, PQ CBU-FM Quebec, PQ CBV-FM Guebec, PQ CBV-FM Hinnipeg, MB PB PB PB CBV-FM Fredericton, NB PB CBZ-FM Fredericton, NB CBZ-FM Fredericton,	
CHAF-FM CFS Alert, YT 105.9 CBU-FM Vancouver, BC 97.7 CBU-FM Vancouver, BC 97.7 CBU-FM Quebec, PQ 95.3 CBV-FM Quebec, PQ 104.7 CBV-FM Quebec, PQ 104.7 CBW-FM Winnipeg, MB 98.3 CBW-FM Thompson, MB 100.9 CBX-FM Edmonton, AB 97.3 CBX-FM Edmonton, AB 97.3 CBX-FM College, MB 100.9 CBX-FM Edmonton, AB 97.3 CBX-FM College, MB 100.9 CBX-FM College,	
CBV-FM Vancouver, BC 97.7 CBV-FM Quebec, PQ 95.3 CBV-FM Winnipeg, MB 98.3 CBV-FM Winnipeg, MB 95.9 CBV-FM Winnipeg, MB 98.3 CBV-FM Winnipeg, MB 98.3 CBV-FM Winnipeg, MB 95.9 CBV-FM Winnipeg, MB 96.9 CFV-FM Saint John, NB 102.3 CFFM-FM Calgary, AB 96.9 CFCV-FM SI. Andrews, NF 97.9 CFCV-FM SI. Andrews, NF 97.9 CFCV-FM SI. Andrews, NF 97.9 CFW-FM Winnipeg, MB 98.3 CFFM-FM Claimage, BC 93.3 CHM-FM Winnipeg, MB 97.5 CFM-FM Claimage, BC 93.1 CHM-FM Winnipeg, MB 97.5 CFM-FM Winnipeg, MB 97.5 CFM-FM Claimage, BC 93.1 CHM-FM Winnipeg, MB 97.5 CFM-FM Winnipeg, MB 97.5 CFM-FM Claimage, BC 97.5 CFM-FM Claimage, BC 97.5 CFM-FM Claimage, BC 97.5 CFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Savona, BC 101.9 CFFM-FM Sillouns, BC 105.7 CFFM-FM Williama Lake, BC 97.5 CFFM-FM Hounited Bay, ON 94.3	
CBV-FM Quebec, PQ 95.3 CBV-FM Quebec, PQ 104.7 CBV-FM Minnipeg, MB 98.3 CBV-FM Thompson, MB 100.9 CBV-FM Edmonton, AB 100.9 CBV-FM Edmonton, AB 100.9 CBV-FM Edmonton, AB 100.9 CBV-FM Fredericton, NB 100.7 CBV-FM Saint John, NB 100.3 CBV-FM Saint John, NB 100.3 CFC-FM-FM Saint John, NB 100.3 CFCQ-FM Trois-Rivieres, PQ 93.9 CFCQ-FM Trois-Rivieres, PQ 93.9 CFCQ-FM Trois-Rivieres, PQ 93.9 CFM-FM Claron, BC 106.5 CFM-FM Ramiloops, BC 93.1 CFM-FM Claron, BC 106.5 CFM-FM Claron, BC 106.5 CFM-FM Claron, BC 106.5 CFM-FM Ramiloops, BC 93.1 CFM-FM Claron, BC 106.5 CFM-FM Ramiloops, BC 93.5 CFM-FM Ramiloops, BC 106.5 CFM-FM Merritt, BC 103.9 CFM-FM Merritt, BC 103.9 CFM-FM Merritt, BC 103.9 CFM-FM Merritt, BC 103.9 CFFM-FM Savona, BC 103.5 CFFM-FM Savona, BC 103.5 CFFM-FM Savona, BC 103.5 CFFM-FM Savona, BC 103.5 CFFM-FM Williams Lake, BC 93.5 CFFM-FM Williams Lake, BC 93.5 CFFM-FM Williams Lake, BC 93.7 CHQM-FM Vancouver, BC 103.5 CFFM-FM Totol Millerouse, BC 93.7 CHQM-FM Vancouver, BC 103.5 CFFM-FM Totol Millerouse, BC 103.5 CFFM-FM Toto	AB 96.3 89.1
CBW-FM Quebec, PQ 104.7 CBW-FM Winnipeg, MB 98.3 CHEZ-FM Clathuring, NB 100.9 CHEZ-FM Oltawa, ON 106.1 CBZ-FM Fredericton, NB 100.9 CBZ-FM Fredericton, NB 103.3 CBZ-FM Grand Manan, NB 103.7 CBZ-FM Fredericton, NB 105.5 CBZ-FM Fredericton, NB 105.5 CBZ-FFM Saint John, NB 102.3 CFBC-FM Saint John, NB 105.3 CFCQ-FM Siln Addrews, NF 97.7 CFDL-FM Oler Lake, NF 97.9 CFDL-FM Clearwater, BC 92.1 CHIN-FM Kelowra, BC 104.7 CHIN-FM Kelowra, BC 104.7 CHIN-FM Rouyn, PQ 96.5 CHI	
CBW.FM Winnipeg. MB 98.3 CHEZ-FM Oltawa. ÖN 106.1 CJAB-FM Chicoutirin, P.O. 98.7 CKW.F.FM Truro, NS CBX-FM Edmonton, AB 93.3 CHFM-FM Calgary, AB 95.9 CJAY-FM Calgary, AB 92.1 CJAY-FM Calgary, AB 9	
CBX-FM Edmonton, AB 93.3 CHFI-FM Toronto, ON 98.1 CJAY-FM Calgary, AB 92.1 CJAY-FM Calgary, AB 9	100.9
CBX-FM Edmonton, AB 93.3 CHFM-FM Calgary, AB 95.9 CJAZ-FM Vancouver, BC 22.1 CKUA-FM Edmonton, NB 102.3 CHFX-FM Hallfax, NS 101.9 CJBR-FM Rimouski, PQ 101.1 CJBR-FM System, NB 96.5 CJGL-FM Sydney, NS 94.5 CJGL-FM Syd	
CBZ-FM Fredericton, NB 102.3 CHFX-FM Hallfax/NS 101.9 CJBR-FM Rimouski, PQ 101.1 CJBX-FM Conton, NB 103.7 CHGB-FM La Pocatiere, PQ 102.9 CJBX-FM London, ON 92.7 CJGA-FM Saint John, NB 102.3 CHIB-FM Chibougamau, PQ CJGA-FM Saint John, NB 102.3 CHIB-FM Chibougamau, PQ CJGA-FM Saint John, NB 98.9 CHIB-FM Chibougamau, PQ CJGA-FM Saint John, NB 98.9 CHIB-FM Chibougamau, PQ CJGA-FM Sint John, NB 96.1 CJET-FM Smith Falis, ON 101.1 CJFM-FM Montreal, PQ 95.9 CJGL-FM Swift Current, SK 94.1 CJMF-FM Montreal, PQ CHM-FM Kamioops, BC 97.5 CHNL-FM Kamioops, BC 97.5 CHNL-FM Kamioops, BC 97.5 CHO-FM Winnipeg, MB 97.3 CJGM-FM Windsor, ON 88.7 CKUA-FM Whitecourt, AE CKUA-FM Whitecourt, AE CKUA-FM Windsor, ON 88.7 CKUA-FM Whitecourt, AE CKUA-FM Whitecourt, AE CKUA-FM Wintereaural PQ 97.9 CHO-FM-FM Montreal, PQ 97.7 CGFM-FM Cache Creek, BC 93.1 CHO-FM Montreal, PQ 97.7 CHO-FM Meritt, BC 103.9 CHO-FM Ratiling Brook, NF 95.9 CHO-FM Ratiling Brook, NF 95.9 CFM-FM Meritt, BC 103.9 CHO-FM Windsor, NF 95.9 CHO-FM Williams Lake, BC 97.5 CHO-FM Williams Lake, BC 97.5 CHO-FM Williams Lake, BC 97.5 CHR-FM St. Catharines, ON 103.5 CFM-FM Milliams Lake, BC 97.5 CHR-FM St. Catharines, ON 103.5 CHR-FM Thronet Bay, ON 94.3	93.7
CBZF-FM Fredericton, NB 103.7 CHCB-FM La Pocatiere, PO 102.9 CBZF-FM Fredericton, NB 101.5 CHCB-FM Cholougamau, PO CBZF-FM Saint John, NB 102.3 CHCB-FM Chibougamau, PO CHCB-FM Saint John, NB 102.3 CHCB-FM Chibougamau, PO CHIB-FM Chibougamau, PO CHIB-FM Chibougamau, PO CHIB-FM Chibougamau, PO CHIB-FM Chibougamau, PO CHIM-FM Kelowari, BC CJCA-FM Brandon, MB 96.1 CJCA-FM Saint John, NB 99.9 CHIB-FM Chibougamau, PO CHIM-FM Kelowari, BC CJCA-FM Saint John, NB 96.5 CJCB-FM Sydney, NS 94.5 CJCB-FM Smith Falis, ON CKUA-FM Grande Pialire CKUA-FM Hinton, AB CKUA-FM Medicine Hai, CFFM-FM Clearwater, BC 92.7 CHMM-FM Winnipeg, MB 97.5 CJMF-FM Quebec, PO 93.3 CJMF-FM Windsor, ON 88.7 CKUA-FM Red Deer, AB CKUA-FM Red Deer, AB CKUA-FM Red Deer, AB CKUA-FM Sauits Ste. Marie, CHO-FM Grand Falis, NF 95.9 CFFM-FM Cache Creek, BC 93.1 CHO-FM Monitreal, PO 97.7 CHO-FM Bautis Ste. Marie, CFFM-FM Merritt, BC 103.9 CHO-S-FM Rettiling Brook, NF 95.9 CFFM-FM Merritt, BC 103.9 CHO-S-FM Rettiling Brook, NF 95.9 CFFM-FM Saviona, BC 101.9 CHO-S-FM Rettiling Brook, NF 95.9 CFFM-FM Williams Lake, BC 97.5 CHO-FM Marystown, NF 96.3 CHO-S-FM Rettiling Brook, NF 95.9 CHO-S-FM Rettiling Rettiling Brook, NF 95.9 CHO-S-FM Rettiling Rettiling Rettiling Rettiling Rettiling Rettili	
CBZF-FM Fredericton, NB 101.5 CHGL-FM Green Lake, SK 94.9 CJCA-FM Edmonton, AB 97.3 CKUA-FM Fort McMurray CFBC-FM Saint John, NB 98.9 CHIB-FM Chibougamau, PQ CHIM-FM Kelowna, BC 104.7 CJCB-FM Sydney, NS 94.5 CJCM-FM Brandon, MB 96.1 CJCB-FM Sydney, NS 96.5 CJCM-FM Brandon, MB 96.1 CJCB-FM Swift Current, SK 94.1 CJFM-FM Montreal, PQ 95.9 CJCB-FM Swift Current, SK 94.1 CJFM-FM Montreal, PQ 95.5 CJCB-FM Swift Current, SK 94.1 CJCB-FM Swift Current, SK 94	
CBZF-FM Saint John, NB 102.3 CHIB-FM Chibougamau, PQ CFBC-FM Saint John, NB 9.9 CHIM-FM Kelowna, BC 104.7 CFGC-FM Trois-Rivieres, PQ 93.9 CFCV-FM St. Andrews, NF 97.9 CHIM-FM Toronto, ON 100.7 CJFM-FM Montreal, PQ 95.9 CFCV-FM St. Andrews, NF 97.9 CHIM-FM Rouyn, PQ 96.5 CJGL-FM Swift Current, SK 94.1 CJFM-FM Uninipeg, MB 97.5 CJM-FM Uninipeg, MB 97.5 CJM-FM Uninipeg, MB 97.5 CJM-FM Uninipeg, MB 97.5 CJM-FM Windsor, ON 88.7 CHIM-FM Kamloops, BC 97.5 CHIM-FM Kamloops, BC 97.5 CHIM-FM Montreal, PQ 97.7 CFFM-FM Cache Creek, BC 95.3 CFFM-FM Merritt, BC 103.9 CHOM-FM Montreal, PQ 97.7 CFFM-FM Merritt, BC 103.9 CHOS-FM Ratiling Brook, NF 95.9 CFFM-FM Merritt, BC 103.9 CHOS-FM Ratiling Brook, NF 95.9 CFFM-FM Savona, BC 101.9 CHOM-FM Wangstown, NF 96.3 CFFM-FM Savona, BC 101.9 CHOM-FM Vancouver, BC 103.5 CHM-FM Vancouver, BC 103.5 CHM-FM Vancouver, BC 103.5 CHM-FM Toronto, ON 91.1 CFFCC-FM Thundred Bay, ON 94.3	103.7
CFBG-FM Saint John, NB 98.9 CHIM-FM Kelownä, BC 104.7 CFCA-FM Kitchener, ON 105.3 CHIN-FM Toronto, ON 100.7 CJCM-FM Brandon, MB 96.1 CJCM-FM Brandon, MB 96.1 CJCM-FM Kitchener, ON 105.3 CHIN-FM Toronto, ON 100.7 CJCM-FM Ministres, PQ 93.9 CHIN-FM Toronto, ON 100.7 CJCM-FM Ministres, PQ 93.9 CHIM-FM Klinding, PQ 103.5 CJCM-FM Montreal, PQ 95.5 CJCM-FM Montreal, PQ 95.5 CJCM-FM Montreal, PQ 95.5 CJMX-FM Sudbury, ON 105.3 CJCM-FM Kamiloops, BC 97.5 CJMX-FM Sudbury, ON 105.3 CJCM-FM Kamiloops, BC 98.3 CHIN-FM Kamiloops, BC 98.7 CHIN-FM Kamiloops, BC 98.3 CHIN	ay, AB 96.7
CFCG-FM Kitchener, ON 105.3 (CHIN-FM Toronto, ON 100.7 (CFCG-FM Trois-Rivieres, PQ 93.9 (CFCG-FM St. Andrews, NF 97.7 (CHIQ-FM Winnipeg, MB 94.3 (CFDL-FM Deer Lake, NF 97.9 (CHIM-FM Lithlum Mines, PQ 103.5 (CFM-FM Clearwater, BC 92.7 (CHIM-FM Winnipeg, MB 97.5 (CHIM-FM Clearwater, BC 92.7 (CHIM-FM Kamioops, BC 93.3 (CFFM-FM Kamioops, BC 93.3 (CHIM-FM Kamioops, BC 93.3 (CFM-FM Kamioops, BC 93.3 (CFM-FM Kamioops, BC 93.3 (CHIM-FM Kamioops, BC 93.3 (CHIM-FM Kamioops, BC 93.3 (CHIM-FM Kamioops, BC 93.3 (CHIM-FM Kamioops, BC 97.5 (CHIM-FM Kamioops, BC 93.3 (CH	
CFCV-FM Viole-Nivieres, PC 93.9 CFCV-FM St. Andrews, NF 97.7 CFLM-FM Rouyn, PQ 96.5 CFM-FM Clearwater, BC 92.7 CFM-FM Clearwater, BC 92.7 CFFM-FM Clinton, BC 106.5 CFFM-FM Clinton, BC 106.5 CFFM-FM Cache Creek, BC 93.1 CFFM-FM Cache Creek, BC 93.1 CFFM-FM Cache Creek, BC 93.1 CFFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Savona, BC 104.3 CFFM-FM Savona, BC 105.3 CFFM-FM Savona, BC 107.5 CFFM-FM Merritt, BC 108.3 CFFM-FM Savona, BC 107.5 CHOM-FM Vancouver, BC 103.5 CFFM-FM 100 Mile House, BC 98.7	98.3
CFDL-FM Deer Lake, NF 97.7 CFDL-FM Deer Lake, NF 97.9 CFDL-FM Roupn, PQ 96.5 CFFM-FM Clearwater, BC 92.7 CFFM-FM Clinton, BC 106.5 CFFM-FM Cache Creek, BC 93.1 CFFM-FM Cache Creek, BC 93.1 CFFM-FM Canbour, PQ 95.5 CFFM-FM Charage, BC 93.1 CFFM-FM Charage, BC 93.1 CFFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Savona, BC 101.9 CFFM-FM Savona, BC 101.9 CFFM-FM Savona, BC 101.9 CFFM-FM Savona, BC 101.9 CFFM-FM Williams Lake, BC 97.5 CFFM-FM Williams Lake, BC 97.5 CFM-FM 100 Mills House, BC 93.7 CHM-FM Merritm, PM Charage, PQ 97.7 CHM-FM St. Catharines, ON 103.5 CFFM-FM Toronto, ON 103.1 CFCL-FM Sit Dahries, PQ 103.5 CFCL-FM Sit Dahries, PQ 103.5 CFCL-FM Sit Dahries, PQ 103.5 CFM-FM 100 Mills House, BC 93.7 CHR-FM St. Catharines, ON 105.5 CFCL-FM Thurder Bay, ON 94.3	
CFEM-FM Clarke, NF 97.9 CHMM-FM Rouyn, PQ 96.5 CFFM-FM Clarke, RF 29.7 CFFM-FM Clinton, BC 106.5 CFFM-FM Clinton, BC 106.5 CFFM-FM Kamloops, BC 97.5 CFFM-FM Cache Creek, BC 95.3 CFFM-FM Cache Creek, BC 95.3 CFFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Merritt, BC 103.9 CFFM-FM Saviona, BC 101.9 CFFM-FM Saviona, BC 101.9 CFFM-FM Saviona, BC 101.9 CFFM-FM Williams Lake, BC 97.5 CFFM-FM Williams Lake, BC 97.5 CFFM-FM 100 Mille House, BC 99.7 CFFM-FM 100 Mille House, BC 99.7 CFFC-FC-FM FM 100 Mille House, BC 99.7 CFFM-FM 100 Mille House, BC 99.7 CHMM-FM Rouyn, PQ 96.5 CJMF-FM Quebec, PQ 93.3 CJMF-FM Windsor, ON 88.7 CJOZ-FM Bonavista, NF 92.1 CJGM-FM Windsor, ON 104.3 CKWI-FM Wintlequer, AD CKUL-FM Wintlequer, AD CKWI-FM Wi	t, AB 97.3
CFFM-FM Clinton, BC 106.5 CHNL-FM Kamloops, BC 97.5 CJM-FM Windsor, ON 88.7 CHOL-FM Quebec, PQ 99.1 CJOW-FM Windsor, ON 88.7 CHOL-FM Quebec, PQ 99.1 CJOW-FM Windsor, ON 88.7 CHOL-FM Quebec, PQ 99.1 CJOW-FM Windsor, ON 88.7 CJOW-FM Saults Ste. Marie, CJOZ-FM Bonavista, NF 92.1 CJOW-FM Sault Ste. Marie, ON 104.3 CKWG-FM Winnlegg, MB CKWN-FM Kentville, NS CFFM-FM Pritchard, BC 103.9 CHOZ-FM Ratiling Brook, NF 95.9 CHOZ-FM Riviere-auRenard, PQ 97.9 CJRE-FM Riviere-auRenard, PQ 97.9 CJRE-FM Riviere-auRenard, PQ 97.9 CJRG-FM Gaspe, PQ CJRG-FM Gaspe, PQ CJRG-FM Gaspe, PQ CJRT-FM Toronto, ON 91.1 CFFM-FM 100 Mile House, BC 99.7 CHRE-FM St. Catharines, ON 105.7 CJSD-FM Thunder Bay, ON 94.3	
CFFM-FM Kamiloops, BC 98.3 CHOI-FM Quebec, PQ 98.1 CJOZ-FM Bonavista, NF 92.1 CKWF-FM Smith Falls, OP CKWG-FM Windsor, ON 98.7 CFFM-FM Cache Creek, BC 95.3 CHOI-FM Quebec, PQ 97.7 CJOZ-FM Bonavista, NF 92.1 CJOZ-FM Bonavista, NF 92.1 CJOZ-FM Bonavista, NF 92.1 CJOZ-FM Smith Falls, OP CKWG-FM Windsor, ON 104.3 CKWN-FM Kentville, NS CFFM-FM Merritt, BC 103.9 CHOI-FM Ratiling Brook, NF 95.9 CJRG-FM Sit Catherines, ON 97.7 CKWR-FM Kitchener, ON CJRF-FM Rivere-aurenard, PQ 97.9 CJRG-FM Gaspe, PQ 103.1 CJRT-FM Toronto, ON 91.1 CJRT-FM Toronto, ON 94.3 CHOI-FM Hallfax, NS CKWR-FM Kitchener, ON 105.1 CJSD-FM Thunder Bay, ON 94.3	
CFFM-FM Cache Creek. BC 95.3 CHOM-FM Montreal, PQ 97.7 CJQM-FM Sault Ste. Marle, CSCWN-FM Wontpleeg, MB CFFM-FM Merritt, BC 103.9 CHOS-FM Grand Falls, NF 95.9 CHOS-FM Ratulting Brook, NF 95.9 CJQR-FM St. Catherines, ON 97.7 CJRE-FM Riviere-außenard, PQ 97.9 CJRE-FM Riviere-außenard, PQ 97.9 CJRE-FM Riviere-außenard, PQ 97.9 CJRE-FM Riviere-außenard, PQ 97.9 CJRE-FM Savona, BC 101.9 CHOM-FM Vancouver, BC 103.5 CJRT-FM Toronto, ON 91.1 CFFM-FM 100 Mile House, BC 98.7 CHRE-FM St. Catharines, ON 105.7 CJSD-FM Thunder Bay, ON 94.3	
CFFM-FM Chase, BC 93.1 CHOS-FM Grand Falls, NF 95.9 CHOS-FM Rettling Brook, NF 95.9 CHOS-FM Rettling Brook, NF 95.9 CJRG-FM River-aurenard,PO 97.9 CJRE-FM River-aurenard,PO 97.9 CJRG-FM Gaspe, PO 103.1 CFFM-FM Williams Lake, BC 97.5 CHOM-FM Vancouver, BC 103.5 CJRT-FM Toronto, ON 91.1 CFCL-FM St. John's, NF 93.9 CJRG-FM Gaspe, PO 103.5 CJRT-FM Toronto, ON 91.1 CJSD-FM Thundrer Bay, ON 94.3	
CFFM-FM Merritt, BC 103.9 CHO'S-FM Rattling Brook, NF 93.9 CJQR-FM St. Catherines, ON 97.7 CKXM-FM Kitchener, ON CFFM-FM Pitchard, BC 101.9 CHO'S-FM Marystavon, NF 96.3 CJRE-FM Riveler-austenard, PO 97.9 CJRE-FM St. Vancouver, BC 101.9 CHOM-FM Vancouver, BC 103.5 CJRT-FM Toronto, ON 91.1 CJSD-FM Thundref Bay, ON 94.3	
CFFM-FM Pritchard,BC 106.3 CHOZ-FM Marystown, NF 96.3 CJRE-FM Riviere-aurenard,PQ 97.9 CKXM-FM Edmonton, AB CHOZ-FM St. John's, NF 93.9 CJRE-FM Riviere-aurenard,PQ 103.1 CJRE-FM Milliams Lake, BC 97.5 CHOM-FM Vancouver, BC 103.5 CJRT-FM Toronto, ON 91.1 CJSD-FM Toronto, ON 91.1 CJSD-FM Thunder Bay, ON 94.3	
CFFM-FM Savona, BC 101.9 CHOZ-FM St. John's, NF 93.9 CJRE-FM Rispe, PQ 103.1 CJRE-FM Rispe, PQ 103.1 CJRT-FM Toronto, ON 91.1 CFFM-FM 100 Mile House, BC 99.7 CHRE-FM St. Catharines, ON 105.7 CJSD-FM Thundre Bay, ON 94.3	
CFFM-FM Williams Lake, BC 97.5 CHQM-FM Vancouver, BC 103.5 CJRT-FM Toronto, ON 91.1 CJRT-FM Toronto, ON 91.1 CHRE-FM St. Catharines, ON 105.7 CJSD-FM Thunder Bay, ON 94.3	100.1
CFCH. FM 100 Mile House, BC 99.7 CHRE-FM St. Catharines, QN 105.7 CJSD-FM Thunder Bay, QN 94.3	100.1
CECL FM Level DO 105.7 CUSD-rm Inunder Bay, UN 94.3	
CFGL-FM Laval, PQ 105.7 CHSC-FM St Catharines, ON 105.7 C.IUM-FM Winning MB 95.3	
CHSC-FM St Catharines, ON 105.7 CJUM-FM Winnipeg, MB 95.3	

CANADIAN FM STATIONS BY LOCATION

Location	Call /	MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Athabasca, AB	CKUA-FM	98.3	Deer Lake, NF	CFDL-FA	1 97.9	Isles-de-la-Madelei	ne PO			CBAF-F	M co a
Baker Lake, NT	CKQN-FM		Edmonton, AB	CBX-FA		Jaco de la imadelei	CBIM-F	M 935		CFQM-FM	
Barrie, ON	CHAY-FM S			CFRM-FM		Kamioops, BC	CFFM-F		Montreal, PO	CBF-FM	
Belleville, ON	CIGL-FM S			CIRK-FA		1	CHNL-F		ontream r Q	CBM-FI	
Big Trout Lake, ON				CJCA-FN		Kelowna, BC	CHIM-FN			CFGL-FM	
Bonavista, NF	CJOZ-FM 9			CKO-FM	101.9	Kentville, NS	CKWN-F			CFQR-FI	
Brampton, ON	CFNY-FM 10			CKRA-FA		Kingston, ON	CFLY-F			CHOM-FI	
Brandon, MB	CJCM-FM			CKUA-FN			CFMK-F			CIBL-FI	
Brantford, ON	CKPC-FM 9			CKXM-FM			CFRC-F			CIEL-FI	
Burlington, ON	CING-FM 10			CKUA-FM		Kitchener, ON	CFCA-FN			CINQ-FM	
Cache Creek, BC	CFFM-FM S		Fort McMurray, AB				CKGL-F			CITE-FM	
Calgary, AB	CBR-FM 10		Frederickton, NB	CBZ-FM			CKWR-F			CJFM-FI	
	CHFM-FM			CBZF-FM		La Pocatiere, PQ	CHGB-FM			CKMF-FI	
	CJAY-FM 9			CiHI-F		La Ronge, SK	CBKA-FM			CKOI-F	
	CKO-FM 10		Gaspe, PQ	CJRG-FM		Laval, PQ	CFGL-FM		New Westminster, I	BC	
CFS Alert, YT	CKUA-FM S		Grand Falls, NF	CHOS-FM		Lethbridge, AB	CHEC-FM	A 100.9		CFMI-FM	101.
Camrose, AB	CKRA-FM 10		Grand Manan, NB	CBZA-FM			CKUA-FI	M 99.3	North Bay, ON	CKAT-FM	
Charlottetown, PE			Grande Prairie, AB				CILA-FM		Oshawa, ON	CKQT-F	
Chase, BC	CFFM-FM 9		Green Lake, SK	CHGL-FM					Ottawa, ON	CBO-FM	
Chibougamau, PQ	CFFM-FM 9		Guelph, ON	CKLA-FM		Liverpool, NS	CKBW-FI			CBOF-FM	
hicoutimi, PQ	CBJ-FM 10		Halitax, NS	CBH-FM		London, ON	CFPL-FI	M 95.9		CFMO-FM	
medulin, FU	CHUT-FM 9			CBHA-FM			CJBX-FI			CHEZ-FM	
hicoutimi, PQ	CJAB-FM 9		Halifay NG	CHFX-FM			CKO-F			CIMF-FA	
Churchill Falis, NF	CFLC-FM 9		Halifax, NS	CIOO-FM	100.1	Longueuil, PO	CIEL-FI			CKBY-FM	
Clearwater, BC	CFFM-FM 9		Hamilton, ON	CKO-FM		Lytton, BC	CHAK-FM			CKCU-FA	
	CFFM-FM 10			CKDS-FM		Magog, PQ	CIMO-FM			CKO-FM	106.9
	CFMX-FM 10			CKHR-FM		Marystown, NF	CHOZ-F		Peace River, AB	CKUA-FA	
orner Brook, NF	CKOZ-FM 9		Hinton, AB Hult, PQ	CKUA-FM		Merritt. BC	CFFM-FM		Penticton, BC	CKOR-FA	
	CFLG-FM 10		Hait, FQ	CBOF-FM		Medicine Hat, AB	CKUA-F		Peterborough, ON	CFMP-FM	
, O.	O. LO-FIN TO	74.5		CtMF-FM	94.9	Moncton, NB	CBA-FA	M 95.5		CKQM-FM	105 1

CANADIAN FM STATIONS BY LOCATION

Location	Call MHz	Location	Call	MHz	Location	Call	MHz	Location	Call	MHz
Port au Port, NF	CBFN-FM 94.3		CJQR-F	M 97.7		CBON	FM 98.1			FM 101.1
Povungnituk, PQ	CKPV-FM -		CKTB-F	M 97.7		CIGM	-FM 92.7			-FM 99.3
Prince George, BC	CIOI-FM 101.3	St. John, NB	CBD-F	M 91.3		CJMX-F				FM 102.7
	CFFM-FM 106.3		CBZF-FN	102.3	Swift Current, SK		FM 94.1			FM 103.5
Quebec, PQ	CBV-FM 95.3	St. John's, NF	CBN-FM		Sydney, NS		M 105.9			-FM 92.1
	CBVE-FM 104.7		CHOZ-F				-FM 94.5			-FM 96.0
	CHOI-FM 98.1		CKO-FM		Thompson, MB		M 100.9	Verdun. PQ		-FM 96.9 -FM 98.5
	CJMF-FM 93.3	St. Adele, PQ	CIME-F		Thunderbay, ON		FM 94.3	Victoria, BC		FM 107.1
	CKRL-FM 89.1	St. John, NB	CB ZF-FM		Tillonsburg, ON		M 101.3	Whitecourt, AB Williams Lake, BC		-FM 97.5
Rattling Brook, NF	CHOS-FM 95.9		CFBC-F		Timmins, ON Toronto, ON		FM 92.1 FM 94.1	Windsor, ON		-FM 89.9
	CKUA-FM 101.3	Carl at an CK	CBKS-FN		Taronto, ON		M 102.1	Williason, Ole		-FM 88.7
Red Deer, AB	CKRD-FM 98.9	Saskatoon, SK	CFMC-FM		1		FM 98.1	1		-FM 93.9
Regina, SK	CBK-FM 96.9 CBKF-FM 97.7		CJUS-F				M 100.7	Wingham, ON		FM 101.7
	CFMQ-FM 92.1	Sault Ste. Marie, (W. 03.7			M 104.5	Winnipeg, MB		-FM 98.3
	CKO-FM 94.5	Saut Ste. Walte,	CHAS-FN	100.5			M 107.1		CHIQ	-FM 94.3
Rimouski, PQ	CJBR-FM 101.5		CJQM-FN				FM 91.1			-FM 97.5
Riviere-au-Renard, I		Savona, BC	CFFM-FN			CKFM	-FM 99.9			-FM 92.1
	CJRE-FM 97.9	Sept-Iles, PQ	CIMI-F				-FM 99.1			FM 101.5
Rouyn, PQ	CHLM-FM 96.5	Shelburne, NS		W 93.1	Trois-Rivieres, PQ		-FM 93.9			-FM 99.1
7	CIRC-FM 88.7	Sherbrooke, PQ	CITE-FN				M 102.3			FM 103.1
St. Andrews, NF	CFCV-FM 97.7	Smith Falls, ON	CKUE-FN		Truro, NS		M 100.9	100 Mile House, B	CEFFM	I-FM 99.7
St. Anthony, NF	CFNN-FM 97.9	Stephenville, NF	CIOS-FN		Vancouver, BC		M 105.7			
St. Catharines, ON	CHRE-FM 105.7	Sudbury, ON	CBCS-F	M 99.9		CBOF	-FM 97.7			

St. Anthony, NF CFNN-FM 97.9 St. Catherines, ON CHRE-FM 105.7	Stephenville, NF CIOS-FM 98.15 Sudbury, ON CBCS-FM 99.9	Vancouver, BC CBU-FM 105.7 CBUF-FM 97.7	
CAN	IADIAN TV STAT	TIONS BY LOCAT	ION
Location C.L. Chan.	Location C.L. Chan.	Location C.L. Chan.	Location C.L. Chan.
0,1, 0,1,			
Aguanish/Natashquan, PQ CBST-7 (8)	Filin Flon, MB CBWFT-2 (3) CKYF-TV (13)	CBRT-6 (10) CFCN-TV-5 (13)	Prince Rupert, B.C. CFTK-TV (6) Quebec City, PQ CFCM-TV (4)
Iticane, SK CKBI-TV-1 (10)	Florenceville/Woodstock, NB	CBXFT-3 (23)	CKMI-TV (5) CBVT (11)
Antigonish, NS CJCB-TV-2 (9) Argenita, MF CJAP-TV (3)	Fond de Lac, SK CBKAT-2 (10)	Lithium Mines, PQ CJDG-TV (8) Liverpool, NS CBHT-1 (12)	CIVQ-TV (15)
Ashmont, AB CFRN-TV-4 (12)	Ft. Albany, ON CBLDT (8)	Lioydminster, AB CKSA-TV (2) CITL-TV (4)	Radium Hot Springs, BC CSUBT-5 (77)
Athabasca, AB CBXT-1 (8) Atikokan, ON CBWCT-1 (7)	Ft. McMurray, AB CBXT-6 (9)	London, ON CFPL-TV (10)	Ramea, NF CBNT-25 (13)
Bale Comeau, PQ CBGAT-12 (7) Bale Verte, NF CBNAT-1 (3)	Fox Harbour, NF CBNAT-10 (7) Fredericton/Saint John, NB	CICO-TV-18 (18) CBLFT-9 (40)	Rapides des Joachims, PC CBOFT-2 (31)
laidy Mountain, MB CBWST (8)	CBAFT-1 (5)	Loughead, AB CFRN-TV-7 (8) Mateking, MB CBWYT (5)	Red Deer, AB CKRD-TV (6) CFRN-TV-6 (8)
Bancroft, ON CKGN-TV-2(2) Barrie, ON CKVR-TV (3)	Gaspe PQ CHAU-TV-6 (13)	Magdalen Islands, PQ CBIMT (12)	CBXFT-4 (31)
CBLFT-7 (55) Bathurst, NB CHCR-TV (4)	Georgian Bay, ON CKCO-TV-2 (2) Geraldton, ON CBLAT (13)	Maiartic, PQ CFCL-TV-5 (5) Manitouwadge, ON CBLAT-1 (8)	Red Lake, ON CBWET (10) Red Rocks, NF CJRR-TV (11)
Bearn/Fabre, PQ CKRN-TV-(3) (3)	Gods Lake Narrows, MB CBWXT (13)	Manning, AB CBXAT-3 (12) Marathon, ON CBLAT-4 (11)	Regina, SK CKCK-TV (2) CBKT (9)
Beauval, SK CBKBT (7) Belleville, ON CBLFT-13 (15)	Goose Bay, NF CFLA-TV (8)	Marquis (Moose Jaw), SK	CBKFT (13)
Birtle-Fox-Warren, MB CKX-TV-1 (11)	Grand Bank, NF CJOX-TV-1 (2) Grand Falls, NF CJCN-TV (4)	CKMJ-TV (7) Marystown, NF CBNT-3 (5)	Rimouski, PQ CJBR-TV (3) CFER (11)
Blance Sabion, PQ CBST-17 (3)	CBNAT (11)	CJMA-TV (11) Matane, PQ CBGAT (9)	Riverhurst, SK CJF9-TV-3 (10) Riviere au Tonnerre, PQ CBST-6 (2)
CBMST (5) Bon Accord, NF CHSJ-TV-1 (6)	Grande Prairie, AB CBXAT (10)	McCusker Lake, MB C9WUT (10)	Riviere du Loup, PQ CKRT-TV (7)
Bonavista, NF CJWB-TV (10) Bonne Bay, NF CBYT-3 (2)	Grande Vallee, PQ	Medicine Hat, AB CHAT-TV (6) CFCN-TV-8 (8)	CIMT-TV (9) Roberval, PQ CKRS-TV-3 (8)
Bonnyville, AB CBXFT-1 (6)	CBGAT-3 (6)	Melita, MB CKX-TV-2 (9) Moncton, NB CKCW-TV (2)	Roddickton, NF CBNAT—22 (11) Rosemary, AB CBRT-5 (11)
CKSA-TV-2 (9) Brandon, MB CKYB-TV (4)	Greenwater Lake, SK CKBI-TV-3 (4)	CHMT-TV (7)	Rouyn-Noranda, PQ CKRN-TV (4)
CKX-TV (5)	CKBXFT (31) Hallfax, NS CBHT (3)	CBAFT-11 (11) Mont Laurier, PQ CBFT-2 (3)	St. Adelme, PQ CBGAT-6 (6) St. Andrews, NF CBYT-5 (11)
CBWFT-10 (21) Guchans, NF CBNAT-2 (7)	CJCH-TV (5)	Mont Louis en Haut, PQ	St. Anne Des Monts, PQ CBGAT-11 (8)
Burmis, AB CBRDT (11) CBRT-8 (47)	CBHFT (13) Hamilton, ON CHCH-TV (11)	Montreal, PQ CBHAT-10 (18) CBFT (2)	St Anthony, NF CBNAT-4 (6)
Caledonia, NS CJCH-TV-6 (6)	Hand Hills, AB CFCN-TV-1 (12) Harrington Harbour, PQ	CBMT (6) CFTM-TV (10)	St. Fabien de Panet, PQ CBVT-5 (13)
Calgary, AB CFAC-TV (2) CFCN-TV (4)	CBST-11 (8)	CFCF-TV (12)	Saint John, NB CHSJ-TV (4) CKLT-TV (9)
CBRT (9) CBRFT (16)	CBMUT (13) Hawkes Bay, NF CBYT-9 (5)	Montreal Lake, SK CBKST-5 (11)	St. John's, NF CJON-TV (6)
Campbellton, NB CKCD-TV (7)	Hay River, NT CBEBT-1 (7)	Mont Tremblant, PQ CBFT-1 (11) Moose Jaw, SK CBKT-1 (4)	CBNT (8) St Lazare, MB CBWFT-3 (13)
Canal Flats, BC CBUBT-1 (12) Canning, NS CJCH-TV-1 (10)	CBFCT-5 (7)	Mt. Baker, BC CBUBT-7 (10)	St. Marys, NF CBNT-6 (10)
Carelton, PO CHAU-TV (5) Cartyle Lake, SK CIEW-TV (7)	Hermitage, FN CBNT-24 (4) High Prairie, AB CBXAT-2 (2)	Mt. St. Margaret, NF CBNAT-9 (9) Mt. Timothy, BC CITM-TV (3)	Ste. Marguerite-Marie, PQ CHAU-TV-1 (2)
Causapscal, PQ CBGAT-5 (9)	Hixon, BC CKPG-TV-1 (10)	CFJC-TV-6 (5) Mulgrave, BC CBHFT-2 (7)	St. Pamphile, PQ CBSPT (3) St. Rene de Matane, PQ
Chambord-Roberval, PQ CJPM-TV-1 (10)	Hudson Bay, SK CKOS-TV-2 (9) CtCC-TV-3 (11)	CBIT-1 (12)	CBGAT-7 (30)
Chapeau, PQ CBOFT-1 (11) Chapleau, ON CFCL-TV-6 (7)	Hull-Ottawa, PQ CIVM (30) CHOT-TV (40)	Murdochville, PQ CBGAT-2 (10) Musgrave Harbour, NF	Ste. Rose du Lac, MB CBWFT-4 (3) Santa Rosa, BC CKSR-TV (83)
Charlottetown, PE CKCW-TV-1 (8)	Huntsville. ON CKBR-TV-2 (8)	Neguac, NB CBAFT-3 (3) Nelson, BC CBUCT (9)	St. Vincent's, NF CBNT-26 (7) Sarnia, ON CKGN-TV-29 (29)
Chatham, ON CBLFT-3 (48)	lle la Crosse, SK CBWBT-TV (7) tles de la Madeleina, PQ	Newcastle-Chatham, NB	CBLFT-17 (68)
Cico-TV-59 (59) Cheticamp, NS CBIT-2 (2)	CBIMT (12) CBYNT (7)	New Glasgow, NS CBMT-5 (4)	Sarnia-Chatham, ON CKCO-TV-3 (42)
CBHFT-4 (10)	Inuvik, NT CHAK-TV (6)	Nipawin, SK CKBI-TV-4 (7) Norquay, SK CICC-TV-2 (7)	Saskatoon, SK CFQC-TV (8) CBKST (11)
Chibougamau, PQ CBFAT (5) Chicoutimi, PQ CJPM-TV (6)	Island Falls, SK CBWBT-2 (7)	CKOS-TV-1 (13)	CBKFT-1 (13)
CBJET (58)	Jean Cote, AB CBXAT-13 (31) Jonquiere, PQ CKRS-TV (12)	North Battleford, SK CFQC-TV-2 (6)	CKCY-TV (2) Sault Ste. Marle, ON CJIC-TV (5)
Chilliwack, BC CBUT-2 (3) Clarenvitie, NF CBNT-10 (7)	Joutel PQ CJDG-TV-2 (12)	CKBI-TV-2 (7)	CICO-TV-20 (20) Sept Iles, PQ CFER-TV-1 (11)
Corner Brook, NF CBYT (5)	CHKM-TV (6)	CHNB-TV (4)	CBST (13)
CJWN-TV (10)	CBUFT-2 (50) Kapuskasing, ON CFCL-TV-3 (2)	North Shore, NB CKAM-TV (12) Oliver-Osoyoos, BC CKKM-TV (3)	Shaunavon, SK CBCP-TV-1 (7) Sheet Harbour, NS CBHT-4 (11)
Coronation, AB CKRD-TV-1 (10)	CKSO-TV-4 (10)	100 Mile House, BC CITM-TV (3) Ottaws, ON CBOT (4)	Sherbrooke, PQ CHLT-TV (7) Sloux Lookout, ON CBWDT-1 (12)
Courtenay, BC CBUT-1 (9) CHAN-TV-4 (13)	Kearns, ON CFCL-TV-2 (2)	CKGN-TV-6 (6)	Slave Lake, AB CBXAT-11 (11)
Cow Head, NF CBYT-6 (8)	CKSO-TV-3 (11) Kelowna, BC CHBC-TV (2)	CBOFT (9) CJOH-TV (13)	Smithers, BC CBCH-TV-3 (5) Spillimacheen, BC CBUBT-6 (69)
Cranbrook, BC CBUBT (10) Crawford Bay, BC CBUCT-1 (5)	CHKL-TV (5)	CICO-TV-24 (24)	Spiritwood, SK CKBI-TV-6 (9) Springdale, NF CBNAT-13 (13)
Dauphin, MB CKYD-TV (12) Dawson Creek, BC CJDC-TV (5)	Keno Hill, YT CBKHT (13)	Paris, ON CKGN-TV (6)	Stanley Mission, SK CBKST-4 (8)
Debden/Pascal, SK CBKFT-3 (22)	Kenora, ON CBWFT-7 (2) CBWAT (8)	Peace River, AB CFRN-TV-2 (3) Pembroke, ON CHRO-TV (5)	Star City/Melfort, SK CKBQ-TV (2) Stephenville, NF CJSV-TV (4)
Deer Lake, NF Deseronto, ON CFYAT (12) CJOH-TV-8 (6)	Kingston, ON CKWS-TV (11)	Penetanguishene, ON	CBYT-1 (8) Stony Rapids/Black Lake, SK
Orlftwood, ON CBLFT-16 (74) Oryden, ON CBWDT (9)	CBLFT-14 (32) Kitchener, ON CKCO-TV (13)	Penticton, BC CHKL-TV-1 (10)	CBKAT-3 (7)
Edmonton, AB CFRN-TV (3)	CBLFT-8 (76)	Perce, PQ CHAU-TV-5 (2) Peterborough, ON CHEX-TV (12)	Stranraer, SK CFQC-TV-1 (3) CBKST-1 (9)
CBXT (5) CBXFT (11) CITV-TV (13)	Kitchener-Paris, ON CICO-TV-28 (28)	CBLFT-12 (44)	Sturgeon Falls, ON CBLFT-1 (7)
CITV-TV (13) Edmundston, NB CBAFT-TV-2 (13)	Labrador City, NF CBNLT (13) Labrador City/Wabash,NF	Pine Falls, MB CBWFT-6 (11) Pine Point, NT CBEBT (4)	CKNC-TV (9)
Elliot Lake, ON CKSO-TV-1 (3)	CBST-3 (11) Lacau Saumon, PQ CBGAT-1 (13)	Pivot, AB CHAT-TV-1 (4) Placentia, NF CBNT-2 (12)	CBLFT-2 (13) CICO-TV-19 (19)
CKNC-TV-1 (7) CBFST-6 (12)	Lac du Bonnet, MB CBWT-2 (14)	Port-au-Port, NF CBNFT (13)	Swift Current, SK CJFB-TV (5)
Estevan-Weyburn-Regina, SK CFSS-TV (3)	LacLa Biche, AB CFRN-TV-5 (2) CBXT-5 (10)	Port aux Basques, NF CBYT-4 (3) Portland Creek, NF CBYT-8 (13)	Sydney. BC CKMC-TV (12) CJCB-TV (4)
CL 33-14 131	Lake Desmarals, NT CBEBT-2 (13)	PortRexton, NF CBNT-1 (13)	CBT (5)
Etzikam, AB CBCA-TV-1 (12)		Prince Albert SK CRKET-2 (2)	CBHFT-3 (13)
	La Meline, NF CBNT-35 (18) La Tuque, PO CBVT-2 (3) Leoville, SK CBKST-3 (12)	Prince Albert, SK CBKFT-2 (3) CKBI-TV (5) Prince George, BC CKPG-TV (2)	Temiscaming, PO CBFST-2 (12) Terrace, BC CFTK-TV (3)

CANADIAN TV STATIONS BY LOCATION

Location	C.L. Chan.	Location	C.L. Chan.	Location	C.L. Chan.	Location	C.L. Chan.
The Muskokas, ON The Pas, MB	CBWFT-1 (6) CBWIT (7) CKYP-TV (12)	Trail, BC	CBLFT (25) CFMT-TV (47) CITY-TV (79) CKNT-TV (8)	Victoria, B C Ville de la Bale, PQ Wassagomach, MB	CHKL-TV-2 (12) CHEK-TV (6) CKRS-TV-1 (9) CBWWT (9)	Wingham, ON Winnipeg, MB	CICO-TV-32 (32) CKNX-TV (8) CBWFT (3) CBWT (6)
Thompson, MB Thunder Bay, ON	CBMT-4 (32) CBWTT (7) CKYT-TV (9) CKPR-TV (2) CHFD-TV (4)	Trois Rivieres, PQ	CBIAT (11) CBUAT-6 (52) CHEM-TV (8) CKTM-TV (13) CBMT-1 (28)	Wabasca, AB Wawa, ON Wesleyville, NF Whitecourt, AB	CBXAT-12 (7) CBLAT-3 (9) CBNT-9 (5) CBXT-2 (9)	Wynyard, SK	CKY-TV (7) CKND-TV (9) CHSS-TV (6) CICC-TV-1 (12)
Timmins, ON	CICO-TV-9 (9) CKSO-TV-2 (3) CFCL-TV (6) CBLFT-3 (9)	Uranium City, SK UxBridge, ON Vancouver, BC	CBKAT (8) CKGN-TV-22 (22) CBUT (2)	Whitehourse, YT White River, ON Willow Bunch, SK	CFRN-TV-3 (12) CFWH-TV (6) CBLAT-2 (12) CKCK-TV-2 (6)	Yarmouth, NS CBHT-3 Yellowknife, NWT	CBHFT-1 (3) (11) CJCH-TV-40 (40) CKYK-TV (8)
Toronto, ON	CBLT (5) CFTO-TV (9) CICA-TV (19)	Vernon, BC	CHAN-TV (8) CKVU-TV (21) CBUFT (26) CHBC-TV-2 (7)	Windsor, ON	CBKT-2 (10) CBET (9) CBEFT (17) CKGN-TV-1 (22)	Yorkton, SK Zenon Park, SK	CKOS-TV (5) CICC-TV (10) CBKFT-5 (21)

Hz	Call	Name	Location	GMT	kHz	Call	Name	Location	GMT
		120 Meter Band	-2300-2495 kHz		4635	_		Dushanbe, USSR	023
					4680	HCWET	R.N. Espejo	Quito, Ecuador	040
2320	ZYG866	R. 8 Setembro	Descalvado, Brazil	0000	4696	_	R. Riberalta	Riberalta, Bolivia	020
340	-	Fujien Frant B.S.	Fuzhou, China	1130	4725	=	R. <mark>Republik Indanesia</mark> Burma B.S.	Ujung Pandang, Indonesia Rangoon, Burma	123
340 360	_	R. West New Britain	Kimbe, Papua NG	1100	4765		R.N. Cruzeiro Sul	Porta Velho, Brazil	143 030
370		R. Maya Falkland Is. B.S.	Huehvetenango, Guatemaia Stanley, Faikland Is.	1130	4767	HCAJ2	CRE	Guayaquil, Ecuador	030
376		R. Chimbu	Kundiawa, Papua NG	1030	4770		Federal R. C.	Kaduna, Nigeria	053
390	XEIN	R. Huayacocotla	Huayacocotla, Mexico	0130	4770	YVNW	R. Mundial Bolivar	Ciu. Bolivar, Venezuela	030
390	TGDF	LV Atitlan	Stgo. Atitlan, Guatemala	1130	4777 4780	HRRZ	RTV Gabonaise LV Carabobo	Libreville, Gabon	220
420	ZYG862	R. Soo Carlos	Sao Carlos, Brazil	0030	4780	HRRZ	R. Juticalpa	Valencia, Venezuela Juticalpa, Honduras	013
428 450	_	R. New Ireland	Kavieng, Papua NG	1130	4790	OAX8F	R. Atlantida	Iquito, Peru	030
450	ZYG854	R. Western Highlands R. Cultura Aracatuba	Mt. Hagen, Papua NG Aracatuba, Brazil	1100 2330	4797	CP73	R. Nueva America	La Paz, Bolivia	020
490	ZYF272	R. Educadora Rural	Coari, Brazil	0100	4800	HCMV5	R. Popular Ind.	Cuenca, Ecuadar	093
				0100	4800	ZYF273	R. Lara	Barquisimeto, Venezuela	020
					4810	HCVG8	R. Amazonas LV Galapagos	Manaus, Brazil Isla S. Cristobal, Galapagos I	023
-					4815	HJVG	R. Guatapuri	Valledupar, Colombia	s. 020 033
		90 Meter Band—	3200-3400 kHz		4820	HCRT6	R. Paz y Bien	Ambato, Ecuador	093
-	5 1				4820	HRVC	LV Evangelica	Tegucigalpa, Honduras	033
05		P Dibaira Barta	Dibaia Data B	01.00	4825	TGMN	R. Mam	Cabrican, Guatemala	020
10	_	R. Ribeiro Preto R. Mozambique	Ribeiro Preto, Brazil Maputo, Mozambique	0100	4832 4840	TIHB YVOI	R. Reloi	San Jose, Costa Rica	030
5	YVZV	Ondas Panamericana	El Vigia, Venezuela	0430 1130	4845	_	R. Valera R. Botswana	Valera, Venezuela Gaborone, Botswana	030
ŏ	_	R. Morobe	Lae, Papua NG	1200	4845	_	R. N. Rep. Mauritanie	Novakchott, Mauritania	040
5	ZYG809	Lins R. Clube	Lins, Brazil	0900	4845	HJEF	R. Bucaramanga	Bucaramanga, Colombia	103
5	YVRI	R. Libertador	Caracas, Venezuela	0230	4850	_	R. Cameroon	Yaounde, Cameroon	050
0	-	South African B.C.	Johannesburg, S. Africa	0300	4850		SRS	Paramaribo, Surinam	030
5	ELBC	Liberian B.C. R. Madana	Monrovia, Liberia	2330	4855	HJFV	R. Neiva	Neiva, Colambia	1030
5	_	R. Southern Highlands	Madang, Papua N.G. Mendi, Papua N.G.	1100	4860 4965	OBZ4Z HJAE	R. Chinchaycocha R. Santa Fe	Junin, Peru Bogota, Colombia	0500
75	YVMC	R. Mara	Maracaibo, Venezuela	0330	4870	- IDAE	LV Revolution	Cotonou, Benin	0400
0	HCV N7	LV Napo	Tena, Ecuador	1030	4870	HCGM7	R. Rio Amazonas	Macuma, Ecuador	0530
34		R. Belize	Belize City, Belize	0200	4875	CP75	La Cruz del Sur	LaPaz, Bolivia	0100
90	-	R. Madagascar	Tananarive, Madagascar	0330	4880	YVMS	R. Universo	Barquisimeto, Venezuela	0400
90	ZYG865	Guyana B.C. R. lavatemi	Georgetown, Guyana	0900	4890	_	National B.C.	Boroko, Papua N.G.	1100
95 30	TGNB	R. Cultural	Osasco, Brazil Guatemala City, Guatemala	0100	4895 4895	ZYF270	R. Bare	Manaus, Brazil	0900
05	_	R. Western District	Daru, Papua N.G.	1200	4900	YVNK	R. Malaysia R. Juventud	Kuching, Malaysia Barquisimeto, Venezuela	1200
6	_	Sierra Leone B.S.	Freetown, Sierra Leone	0630	4910	HCMJ1	Em. Gran Colombia	Quito, Ecuador	0100
5	YVRA	R. Monagas	Maturin, Venezuela	1130	4910	_	Zambia B.S.	Lusaka, Zambia	0400
5	-	R. East Sepik	Wewak, Papua N.G.	1100	4915	ZYG360	R.N. Macapa	Macapa, Brazil	0600
5	=	R. Republik Indonesia R. Republik Indonesia	Ternate, Indonesia	1130	4915	**	Ghana B.C.	Accra, Ghana	223
5	=	R. Noumea	Pontianak, Indonesia Noumea, New Caledonia	1230 1100	4920	=	Australian B.C. R. Mozambique	Brisbane, Australia	1 23
ŏ	TGVN	LV Nahuala	Nahuala, Guatemala	0230	4926	_	R. Equatorial	Maputa, Mozambique Bata, Rio Muni	043
5	ZYG855	R. Cultura Araroquara	Araraguara, Brazil	2300	4930	HIBE	R. Mil	Sonto Domingo, Dominican Rej	D. 050
5	-	R. Nac. Angola	Luanda, Angala	2330	4934	_	V. Kenya	Nairobi, Kenya	0330
5	HCVP4	R. N. Sao Gabriel	S <mark>aa Gabriel</mark> , Brazil	0930	4940	π	RTV Ivorienne	Abidian, Ivory Coast	2300
5	HCYD4	R. Iris R. Barcelona	Esmeraldas, Ecuador	0300	4945	HIDH	R. Colosal	Neiva, Colombia	0330
5	-	FR3	Barcelona, Venezuela Cayenne, Fr. Guiana	0300	4960	OAX4H	R. Sucre R. Pacifico	Cumana, Venezuelá	0300
5	_	R. East New Britain	Rabaul, Papua N.G.	1030	4980	YVOC	Ecos Torbes	Lima, Peru San Cristobal, Venezuela	0300
0	_	R. Zaracay	Sto. Dgo. Colorados, Ecuador	0330	5000	WWV	National Bureau Standards	Ft. Collins, USA	0100
5	YVQj	R. Universidad	Merida, Venezuela	0330	5000	WWVH	National Bureau Standards	Hawaii	1200
5	=	Zimbabwe B.C.	Gwelo, Zambabwe	0400	5005	_	R. Malaysia	Sibu, Malaysia	1200
	=	Fujien Front B.S. R. Republik Indonesia	Fuzhou, China	1130	5010	HJOX	R. Surcolombiana	Neiva, Colombia	1400
7	_	R. Padilla	Manokwari, Indonesia Padilla, Bolivia	1230 0130	5020 5044	VQO5	Solomon Is. B.S. R. Republik Indonesia	Honiara, Solomon Is. Wamena, Indonesia	0800
			. 30, 50	0130	5047	_	R. Togo	Lame, Tago	1100
					5055	TIFC	Faro del Caribe	San Jose, Costa Rica	0230
-		75 Mater Daniel 2	2000 4000 1 11	-	-			,	0230
		75 Meter Band—3	600-4000 kHz			·	49 Meter Band—59	50-6200 kHz	
05		R. Manus Far East Netwark	L <mark>orengau, Papua NG</mark> Tokyo, Japan	1100 1200	5945	_	Austrian R.	Vienna, Austria	0330
5		British B.C. retay	Kranji, Singapore	1200	5950	_	Guyana B.S.	Georgetown, Guyana	0230
5	_	NSB	Tokyo, Japan	1100	5950	YNM	LV Nicaragua	Managua, Nicaragua	0100
0	_	R. Karea	Seoul, S. Korea	0130	5955	HJOQ	LV Centauras	Villavicencio, Colombia	1000
0	-	V. Americo relay	Munich, W. Germany	0330	5955 5960	_	R. Nederland	Hilversum, Netherlands	0700
5	HCER5	Escuelas R. Populares	Riobamba, Ecuador	0230	5960	Ξ	Deutsche Welle R. Canada Int.	Calogne, W. Germany Montreal, Canada	0530
5 5		R. Republik Indonesia Deutsche Welle	Pontianak, Indonesia	1230	5965	ZYE582	R. Guaiba	Porto Alegre, Brazil	1000
ō	_	R. Cameroon	Cologne, W. Germany Yaounde, Cameroon	0100	5970	OBX4Q	R. El Sol	Lima, Peru	0300
12	5	R. Republik Indonesia	Pandang, Indonesia	1430	5975	_	British B.C.	London, England	0000
20	_	R. Pyongyang	Pyongyang, N. Korea	1130	5980	TGMUA	Adventist World R.	Guatemala City, Guotemala	0400
					5980 5980	_	Sierra Leone B.S.	Freetown, Sierra Leone	2300
					5985		R. RSA R. Splendid	Johannesburg, S. Africa	0200
_					5985	XERMX	R. Mexico	Buenos Aires, Argent <mark>ina</mark> Mexico City, Mexico	0100
		60 Meter Band-4	750-5060 kHz		5990	_	R. Bucharest	Bucharest, Romania	0130
_					5990		RAI	Rame, Italy	0430
					5995	- CFCV	R. Australia	Melbourne, Australia	1200
	_	R. Beijing	Beijing, China	1100	6005	CFCX	Bolsies B TV	Montreal, Canada	2200
			Sorping, China		6010	_	Belgian R TV	Brussels, Belgium	1630
0	_	_	Xinjiang, China	2300	6012	_	Am. Forces Antarctic N.	McMurdo, Antarctica	1030

	1.							,	L= = =
kHz	Call	Name	Location	GMT	kHz	*Call	Name	Lacation	ĢMT
6025	-	R. Malaysia	Kuala Lumpur, Malaysia	1230	9645	_	V. America relay	Colombo, Sri Lanka	1400
6025	_	R. Budopest	Budapest, Hungary	1415	9650	_	R. Kuwait	Kuwait	0500
6025 6035	=	R. Portugal V. America relay	Lisbon, Portugal Monrovia, Liberia	0500	9650 9650	Ξ	Deutsche Welle V. Greece	Cologne, W. Germany Athens, Greece	0530 0215
6040	_	Deutsche Welle	Cologne, W. Germany	0130	9655	_	R. Canada Int.	Montreal, Canada	0200
6045	(2)	k. Australia	Melbourne, Australia	0900	9670	_	Adventist World R.	Sines, Portugal	0900
6055	:-	R. Progue	Prague, Czechosolvakia	2300	9690	_	Xandir Malta	Malta	0700
6060	CFRX	RAI	Caltanissetta, Italy	2230	9670	LRA32	R. Bucharest RAE	Bucharest, Romania	0400 0300
6070 6075	CFRX	R. Rumbo	Toronto, Canada Cartogo, Costa Rica	1000	9690 9695		Cyprus B.C.	Buenos Aires, Argentino Nicosio, Cyprus	2215
6085	н	R. Super	Cali, Colombia	0800	9700		R. Moscow	Moscow, USSR	0100
6090	_	R. Luxembourg	Villa Louvigny, Luxembourg	0100	9705		R. Sofia	Sofia, Bulgaria	0000
6095	HCJB	V. Andes	Quito, Ecuador	0500	9710		RAI	Rome, Italy	1945
6095	_	R. Polonia Deutsche Welle	Warsow, Poland	0200	9715 9715	WYFR	R. Nederland Family Radio	Hilversum, Netherlands Okeechabee, USA	0530 0100
6100	=	R. New Zealand	Cologne, W. Germany Wellington, New Zealand	0130 0730	9715	- WIFK	R. Tashkent	Toshkent, USSR	1200
6110		V. America relay	Tinang, Philippines	1400	9725	_	Swiss R. Int.	Berne, Switzerland	0430
6120	=	R. El Mundo	Buenos Aires, Argentino	0100	9730	_	R. Berlin Int.	Berlin, E. Germany	0100
6120	YVSX	R. Angostura	Ci. Bolivar, Venezuela	1000	9740	-	British B.C. relay	Kranji, Singapore	1130
6120	_	British B.C. R. Finland	London, England	1300	9740 9740	-	R. Progue V. America relay	Prague, Czechoslovakia Monrovia, Liberia	2300 0600
6130	CHNX	K. Finiana	Helsinki, Finland Halifax, Canada	0930	9745	HCJB	V. Andes	Quito, Ecuador	0200
6130		R.N. Lao	Vientiane, Laos	1200	9745	_	R.N. Cameroon	Yaounde, Cameroon	2200
6130	HCJB	V. Andes	Quito, Ecuador	0600	9750		R. Tirana	Tirana, Albania	0230
6135	_	R. Korea	Seoul, S. Korea	1000	9750	CE975	R. Mineria	Santiago, Chile Tovar, Venezuela	10000
6135		R. Polonia Swiss R. Int.	Warsaw, Poland Berne, Switzerland	0300 0145	9750 9755	YVOS	R. Occidente Am. Forces R TV S.	Greenville, USA	1130 0200
6140	VLW6	Australian B.C.	Perth, Australia	1100	9755		R. Canada Int.	Montreal, Canada	0100
6160	CKZU	Canadian B.C.	Vancouver, Canada	0830	9770	_	Austrian R.	Vienna, Austria	0130
6165	77.04-	R. Nederland	Hilversum, Netherlands	0300	9770		R. Havana Cuba	Havana, Cuba	2100
6170 6170	HJKF	LV Selva	Florencia, Colambia	1000	9770 9770	4VEH	R. 4VEH	Cap Haitien, Haiti Tinang, Philippines	1230 0000
6175	OAX7C	R. Canada Int. R. Tawantinsuyo	Monteal, Canada Cusco, Peru	2100 1030	9785	_	V. America relay R. Minsk	Minsk, USSR	2130
6180	TGWA	R. Nacional	Guatemala City, Guatemala	0330	9815		Kol Israel	Jerusalem, Israel	0200
6185		R. Norway	Oslo, Norway	0200	9835	Ξ	R. Budapest	Budapest, Hungary	2000
6185	-	R. Educación	Mexico City, Mexico	1130	9870	_	R. Korea	Seoul, S. Karea	0730
6195		Federal R.C. R. Tirana	S <mark>okoto, Nigeria</mark> Tirana, Albania	0530 0330	9912	_	All India R. R. Pyongyang	Delhi, India Pyongyang, N. Korea	2100
6207		R. Republik Indonesia	Biak, Indonesia	1100	10040	_	V. Vietnam	Hanoi, Vietnam	1000
6220		Adventist World R.	Andorra	1830	1				
6383	_	R, Ulan Bator	Ulan Bator, Mongolia	1230					
							25 Meter Band—1	1700-11975 kHz	
		41 Meter Band-7	100-7300 kHz		11535	=	R. Pyongyang	Pyongyang, N. Korea	1200
					11615	=	R TV Algerienne	Algiers, Algeria	2000 1830
7025	_	Fujian Front Station	Fujien, China	1115	11620	=	All India R. Kol Israel	Delhi, India Jerusalem, Israel	0000
7065	_	R. Tirona	Tirana, Albania	0000	11690	Ξ	R. Kuwait	Kuwait	2000
7105	-	V. American relay	Colombo, Sri Lanka	0100	11690	-	R. Vilnius	Vilnius, USSR	0300
7110 7155	_	V. Rev. Ethiopia Hashemite Kingdom B.S.	Addis Ababa, Ethiopia Amman, Jordan	0330 2300	11700	_	Trans World R.	Monte Carlo, Monaca	0430
7160	E	R. Malaysia	Kuching, Malaysia	1130	11705	_	R. Sweden	Stockholm, Sweden Buenos Aires, Argentina	2300
7170	=	R. RSA	Johannesburg, S. Africa	0300	11710	5 5 6	RAE V. America Relay	Tinang, Philippines	1400
7170	_	R. Noumea	Noumea, New Caledonia	1000	11715	_	Swiss R. Int.	Berne, Switzerland	0200
7215	_	R. Kiev	Kiev, USSR	0030	11725	_	R. Australia	Melbourne, Australia	1900
7215 7215	Ξ	V. Turkey RTV Ivorienne	Ankara, Turkey Abidjan, Ivory Coast	0600	11725	_	R. Korea	Seoul, S. Korea	1000 1515
7230		V. America relay	Tangier, Morocco	0400	11730	=	V. Greece R. Bucharest	Athens, Greece Bucharest, Romania	0130
7260	-	R. Vanuatu	Pt. Villa, Vanuatu		11740	НСЈВ	V. Andes	Quito, Ecuador	1200
			(New Hebrides)	0930	11740	_	V. America relay	Tinang, Philippines	0100
7270	<u> </u>	R. Polonia	Warsaw, Poland Rome, Italy	0200 0430	11750	-	British B.C. relay	Kranji, Singapore	1600
7275 7280	_	V. America relay	Monrovia, Liberia	0400	11750	Ę	R. Moscow	Moscow, USSR Colombo, Sri Lanka	0000 0230
7300		R. Tirana	Tirana, Albania	0430	11755		V. America relay R. Finland	Helsinki, Finland	1300
7325	-	British B.C.	London, England	0000	11760	10	R. Havana Cuba	Havana, Cuba	0400
7345	-	R. Prague	Progue, Czechoslovakia	1430	11765	_	V. Chile	Santiogo, Chile	0430
7470	_	V. Vietnam	Hanoi, Vietnam	0900	11765	ZYE966	R. Tupi	Sao Paulo, Brazil	0730 0615
					11775	_	R. Canada Int. R. Vertias, Asia	Montreal, Canada Manila, Philippines	1100
					11785		R. Tashkent	Tashkent, USSR	1200
		21 Mater Daniel O	500 0775 LU-		11790	_	V. Indonesia	Jakarta, Indonesia	1400

31 Meter Band-9500-9775 kHz

31 Meter Band-9300-97/3 KHZ									
9022	= 100	V. Islamic Rep. Iran	Teheran, Iran	2000					
9475	_	R. Cairo	Cairo, Egypt	0200					
9480		R. Tirana	Tirana, Albania	0430					
9505	_	R. Japan	T <mark>okyo, Japan</mark>	1300					
9510	_	British B.C.	London, England	0500					
9515	XEWW	LV America Latina	Mexico City, Mexico	0400					
9515	_	V. Turkey	Ankara, Turkey	2200					
9515	_	V. Greece	Athens, Greece	0215					
9520	_	National B.C.	Boroko, Papua New Guinea	0800					
9520	OAX4i	R. La Cronica	Lima, Peru	1930					
9525	_	R. Polonia	Warsaw, Poland	0300					
9525	_	R. Havana Cuba	Havana, Cuba	0630					
9530	_	R. Sofia	Sofia, Bulgaria	0430					
9535	-	R. N. Angola	Luanda, Angola	2330					
9545	_	Solomon Is. B.C.	Honiara, Solomon Is.	0700					
9545	_	V. America relay	Poro, Philippines	1200					
9545	_	Deutsche Welle	Cologne, W. Germany	0130					
9550	_	R. Norway	Oslo, Norway	0200					
9555	YSS	R. Nacional	San Salvador, El Salvador	0500					
9555	150	R. Canada Int.	Montreal, Canada	1545					
9565	_	Deutsche Welle	Cologne, W. Germany	0130					
9570	_	R. Australia	Melbourne, Australia	0700					
9575	_	RAI	Rome, Italy	0100					
9579	mark.	V. Philippines	Manila, Philippines	1015					
9580		R. Kiev	Kiev, USSR	0300					
9580	_	R. Australia	Melbourne, Australia	1200					
9580	_	R. Korea	Seaul, S. Korea	1000					
9585	_	R. Budapest	Budapest, Hungary	2000					
9585	_	R. RSA	Johannesburg, S. Africa	0200					
9570	_	R. Bucharest	Bucharest, Romania	0130					
9585	_	R. Japan	Tokyo, Japan	0000					
9590		British B.C.	London, England	0000					
9590	_	R. Nederland relay	Bonaire, Neth. Antilles	0230					
9590	_	R. Canada Int.	Montreal, Canada	0645					
9600	_	R. Moscow	Moscow, USSR	0000					
9610	_	R. RSA	Johannesburg, S. Africa	0230					
9615	_	R. Noticias Continente	San Jose, Costa Rica	0100					
9630	_	R. Espana Ext.	Madrid, Spain	0100					
9630	-	R. Sweden	Stockholm, Sweden	1100					
9640		Trans World R.	Manzini, Swaziland	0430					
9640	_	R. Korea	Seoul, S. Korea	0730					
9645		R. Norway	Oslo, Norway	0000					
9645		Vatican R.	Vatican	0100					
9045		Yuncun K.	Vallean	UIV					

11535	_	R. Pyongyang	Pyongyang, N. Korea	1200
11615	— — — — — — — — —	R TV Algerienne	Algiers, Algeria	2000
11620	_	All India R.	Delhi, India	1830
11637	_	Kol Israel	Jerusalem, Israel	0000
11690	_	R. Kuwait	Kuwait	2000
11690	-	R. Vilnius	Vilnius, USSR	0300
11700	-	Trans World R.	Monte Carlo, Monaca	0430
11705	_	R. Sweden	Stockholm, Sweden	0200
11710	_	RAE	Buenos Aires, Argentina	2300
11715	_	V. America Relay	Tinang, Philippines Berne, Switzerland	1400
11715	-	Swiss R. Int.	Berne, Switzerland	0200
11725	_	R. Australia	Melbourne, Australia	1900
11725	_	R. Korea	Seoul, S. Korea	1515
11730	_	V. Greece	Athens, Greece	0130
11735 11740	HCIB	R. Bucharest	Bucharest, Romania Quito, Ecuador	1200
11740	нель	V. A <mark>ndes</mark> V. America relay	Tinana Philippines	0100
11750		British B.C. relay	Tinang, Philippines Kranji, Singapore	1600
11750		R. Moscow	Moscow, USSR	0000
11755	_	V. America relay	Colombo, Sri Lanka	0230
11755	HÉILL	R. Finland	Helsinki, <mark>Finland</mark>	1300
11760		R. Havana Cuba	Havana, Cuba	0400
11765	_	V. Chile	Santiogo, Chile	0430
11765	ZYE966	R. Tupi	Sao Paulo, Brazil	0730
11775	_	R. Canada Int.	Montreal, Canada	0615
11775	_	R. Vertias, Asia	Manila, Philippines	1100
11785	_	R. Tashkent	Tashkent, USSR	1200
11790	_	V. Indonesia	Jakarta, Indonesia Bogota, Colombia	1400
11790	_	R. Nacional	Bogota, Colombia	1100
11790	_	R. Vilnius	Vilnius USSR	0300
11800	_	RAI	Rome, Italy Delhi, India	0100
11810		All India R.	Delhi, India	1400
11815	_	R. Polania	Warsaw, Poland Tripoli, Libya	0200
11825	_	Soc. People's Libyan AJBC	Constille USA	0030
11830	_	United Nations R.	Greenville, USA	2000
11835 11835	_	Am. Forces RTV relay R. New Zealand	Poro, Philippines Wellington, New Zealand	1900
11835	4VEH	R. 4VEH	Cap Haitien, Haiti	1200
11835	-VEH	V. America relay	Monrovia, Liberia	0300
11840	_	R. Espana Ext.	Madrid, Spain	2100
11840	KTWR	Trans World R.	Agana, Guam	0800
11840		R. Berlin Int.	Berlin, E. Germany	0330
11845	_	R. France Int.	Paris, France	1730
11845		British B.C.	London, England	0200
11845	_	Vatican R.	Vatican	0100
11855	_	B.S. Kingdom Saudi Arabia	Jiddah, Saudi Árabia	1900
11860	- vila	Far East B. Assoc.	Victoria, Seychelles	1630
11860	_	R <mark>. Norwa</mark> y	Oslo, Norway	2200
11880	_	R. Espana Ext.	Madrid, Spain	0130
11855	_	SODRE	Montevidea, Uruguay	0000
11890		Far East B.C.	Manila, Philippines	0900
11890	_	R. Berlin Int.	Berlin, E. Germany	0230 0230
11890	_	V. Chile	Santiago, Chile	0230
11900	_	R. RSA Deutsche Welle	Johannesburg, S. Africa Cologne, W. Germany Manzini, Swaziland London, England	1930
11905	_		Cologne, W. Germany	0645
11910 11910	_	Trans World R. British B.C.	London England	2300
11910	HCJB	V. Andes	Quito, Ecuador	0200
11910		R. Budapest	Budapest, Hungary	0100
11920	_	R. Moscow	Moscow, USSR	0200
11925	ZYE958	R. Bandeirantes	Sao Paulo, Brazil	0830
11925		R. Baghdad	Baghdad, Iraq	0300
11930	_	R. Nederland	Hilversum, Netherlands	1330
11930		R. Havana Cuba	Havana, Cuba	0330
11935	_	R. Portugal	Lisbon, Portugal	0300
11940		Singapore B.C.	Singapore	1500
11940	-	R. Canada Int.	Montreal, Canada	0300
11945		R. New Zealand	Wellington, New Zealand	1100
11965	_	R. Tirana R. Berlin Int. R. Prague	Tirana, Albania Berlin, E. Germany	1230
11975		R. Berlin Int.	Berlin, E. Germany	0230
11990	_	R. Prague	Prague, Czechoslovakia	1600
12015	-	Austrian R.	Vienna, Austria	0430
12030	-	R. Moscow	Moscow, USSR	0000

kHz	Call	Name	Location	GMT
12035		V. Vietnam	Hanoi, Vietnam	1530
12050		R. Moscow	Moscow, USSR	0400
12070		R. Ulan Bator	Ulan Botor, Mongolia	1230
12090		R. Korea	Seoul, S. Korea	1230
12175		Iceland State B.S.	Reykjovik, Iceland	1830

19 Meter Band-15100-15450 kHz

		17 Melet Balla 1	5100 15 150 KIII	
14990	_	V. Vietnam	Hanoi, Vietnam	1800
15012	-	V Vietnam	Hanoi, Vietnam	1800
15045		R. Free Grenada	St George Grenodo	2230
15070	_	British B.C.	London, England	1300
15075	HCJB	R. Afghanistan	London, England Kabul, Afghanistan Kiev, USSR	1900
15100	_	R. Kiev	Kiev, USSR	0030
15105 15105		Kal israel Deutsche Welle relay	J <mark>erusalem, Isroel</mark> Malta	0500
15110	-	R. Prague	Prague, Czechoslovakia	1530
15115	HCJB	V Andes	Quito, Ecuador	1430
15120 15120 15120	_	V. Nigeria R. Beijing	Lagos, Nigeria	2100
15120	_	R. Beijing	Beijing, China Warsaw, Poland	0000
15120	_	R. Polonia	Warsaw, Poland	0300
15145	=	Sri Lanka B.C. R. Australia	Colombo, Sri Lanka	1800
15145 15150 15150		V. America	Melbourne, Australia Greenville, USA Santiago, Chile Havana, Cuba	1600
15150	_	V. America V. Chite	Santiago, Chile	1600 0130
15155	-	R. Mavana Cuba	Hovana, Cuba	2100
15160	-	R. Budapest	budapest, Hungary	1100
15160	_	R. Australia R. Denmark	Melbourne, Australio Copenhagen, Denmark	0000
15165 15175		Belgian R TV	Copenhagen, Denmark	1800
15180	_	R. Moscow	Brussels, Belgium Moscow, USSR	0030
15185	WINB	_	Red Lion, USA	2100
15185	-	V. Americo relay	Red Lion, USA Tinang, Philippines	0000
15185	_	V. Turkey V. Nigeria R. Japan	Ankoro, Turkey	1 200
15185	_	V. Nigeria	Ankara, Turkey Lagas, Nigeria <mark>.</mark>	0500
15195	_	K. Japan	Tokyo, Japan	0000
15200 15205	_	V. I <mark>ndonesia</mark> V. America relay	Jakarta, Indonesia	1400 2100
15220	_	R. Budapest	Tangier, Morocco Budopest, Hungary	0100
15220	_	R. Nederland relay	Talata, Madagascar	2030
15220 15220	-	R. RSA	Johannesburg, S. Africa	1300
15235	_	R. Japan	Takya, Japan	0130
15240	_	R. Sweden R. Moscow	Stockholm, Sweden	2100
15240 15240		R. Australia	Moscow, USSR	0300
15240	_	V America relay	Melbourne, Australia	0000
15240		V. America relay R. Yugoslavia V. America relay	Monrovia, Liberia Belgrade, Yugoslovia Tangier, Morocco	1530
15245	_	V. America relay	Tangier, Morocco	0330
15250 15255	_	All India R	Delhi, India	0100
15255	_	Trans World R.	Bongire, Neth. Antilles	1200
15265	=	R. Finland V. Free China R. Free Europe	Helsinki, Finland Taipei, Taiwan	1300
15270 15270	_	V. Free China	Partia I	0015
15270		R. Japan	Portugal Tokyo, Japan	2330
15280	KGEI	V. Friendship	San Francisco, USA	2130
15290 15290	_	V. Friendship R. Sweden	Stockholm, Sweden	0230
15290	_	R. Bras	Brasilla, Brazil	0230 0230
15290	_	Austrian R.	Vienna, Austria	1200
15295	-	V. Malaysia R. France Int.	K <mark>uala Lumpu</mark> s, Malaysia Paris, France	0830
15300 15305	_	Far East B.C.	Manila Philippines	1730
15305		Swiss R. Int.	Manila, Philippines Berne, Switzerland	0430
15312	-	RTV Algerienne	Algiers, Algeria	2030
15320 15325 15330	_	PAI	Algiers, Algeria Rome, Italy	2200
15325	_	R. Uganda	Kampala, Uganda	0300
15330	_	Am. Forces RTV	Greenville, USA	0000
15335 15335		RTV Maracaine All India R.	Tangier, Morocco Delhi, India	1400
15345		R. New Zealand	Wellington, New Zealand	1300
15350	_	R. Luxembourg	Villa Louvigny, Luxembourg	0445
15360 15375	_	V. Turkey R. Labanon	Ankara, Turkey	2200
15375	-	R. Labanon	Beirut, Lebonon	0230
15380	-	Belgion R TV	Brussels, Belgium	0015
15380	_	R. Bucharest	Bucharest, Romania Colombo, Sri Lanka Helsinki, Finland London, England	0400
15395 15400		V. America relay R. Finland	Helsinki Finland	1600
15400		British B.C.	London, England	1500
15410	_	Deutsche Welle	Cologne, W. Germany	1200
15410	_	Deutsche Welle relay	Kigali, Rwanda	2330
15410 15425		Trans Warld R.	Manzini, Swaziland Colombo, Sri Lanka	1630
15425		Sri Lanka B.C. V. America	USA Lanka	1230
15440		Far East B.C.	Manila, Philippines	1600
15445		V. America relay	Manila, Philippines Tinang, Philippines	1600
15460	-	R. Tashkent	Tashkent, USSR	1400
15470	_	R. Pakistan	Karachi, Pakistan	1700
15520 15525	WINB	R. Beijing	Tashkent, USSR Karachi, Pakistan Beijing, China Vilnius, USSR Seoul, S. Karea	1200
15525 15570		R. Vilnius R. Korea	Vilnius, USSR	0330
15582	=	Kol Israel	Jerusalem Israel	0730
15605	_	Kol Israel	Jerusalem, Israel Jerusalem, Israel	1200
				. 200

16 Meter Band-17700-17900 kHz

	-			
17605	_	R. Nederland	Hilversum, Netherlands	1000
17612	_	Kol Israel	Jerusalem, Israel	1200
17662	_	R. Pakistan	Karachi, Pakistan	1100
17680	_	R. Beijing	Beijing, China	0100
17695	_	R. Nederland	Hilversum, Netherlands	2030
17700	_	R. Moscow	Mascow, USSR	0500
17710	_	R. Hayana Cuba	Hevana, Cuba	1700
17710	_	R. Budapest	Budapest, Hungary	0100
17720	-	R. France int.	Paris, France	1730
17730	_	Belgian R TV	Brussels, Belgium	1330
17755		R. Japan	Tokyo, Japan	0300
17765	-	V. America relay	Monrovia, Liberia	0500
17773	_	R TV Algerienne	Algiers, Algeria	2000
17775	-	R. Colour TV Dubai	Dubai, United Arab Em.	0200
17790	_	R. Veritas Asia	Manila, Philippines	0030
17795	_	Deutsche Welle	Cologne, W. Germany	1930
17795	-21	R. Australia	Melbourne, Australia	0100
17800		V. Chile	Santiago, Chile	0230

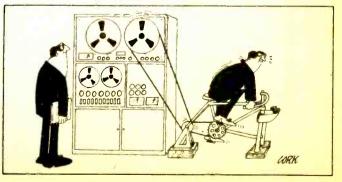
kHz	Call	Name	Lacation	GMT
17810		Far East B.C.	Manila, Philippines	0200
17815	_	Kol Israel	Jerusalem, Israel	2000
17820	-	R. Canada Int.	Montreol, Canada	0100
17820	_	V. Americo relay	Poro, Philippines	0000
17830		British B. C.	London, England	1600
17830	_	R. Pakistan	Karachi, Pakistan	0230
17835	_	V. Greece	Athens, Greece	1515
17840	-	R. Prague	Prague, Czechoslovakia	1530
17840	_	R. Norway	Oslo, Narway	1400
17845	WYFR	Family R.	Okeechobee, USA	1700
17855	_	British B.C. relay	Cyprus	1500
17855	_	R. Beijing	Beijing, China	0100
17855	KTWR	Trans World R.	Agana, Guam	0000
17860	_	R. New Zealand	Wellington, New Zealand	0400
17860	-	R. France Int.	Paris, France	1700
17860		V. Turkey	Ankara, Turkey	1300
17870	_	R. Kiev	Kiev, USSR	0300
17880	_	R. Japan	Tokyo, Japan	0200
17890	HCJB	V. Andes	Quito, Ecuador	1430
				. 430

13 Meter Band-21450-21750 kHz

21450	_	V. Greece	Athens, Greece	1515
21475		R. Finland	Helsinki, Finland	1430
21475		Belgian R TV	Brussels, Belgium	1330
21480	==	R. Nederland	Hilversum, Netherlands	
21480	НСЈВ	V. Andes	Quito, Ecuador	1430
21500	_	V. America	Greenville, USA	2130
21505		R. Prague		1300
21510		R. Liberty	Prague, Czechoslovakia Portugal	1600
21525	_	R. Budapest		0100
21525	WYER	Family R.	Budapest, Hungary	1000
21535	** 11 K	R. RSA	Okeechobee, USA	2300
21540		V. America relay	Johannesburg, S. Africa	1100
21545		Swiss R. Int.	Paro, Philippines	0200
21570	=	Swiss R. Int.	Berne, Switzerland	1315
21580		R. France Int.	Berne, Switzerland	1315
21590	_	R. Pakistan	Paris, France	1715
21590		Deutsche Welle relay	Karachi, Pakistan	0230
21610	=		Malta	1345
21615	_	V. America relay R. Sweden	Poro, Philippines	1700
21620		R. France Int.	Stockholm, Sweden	1400
	_		Paris, France	1700
21630 21640		R. Canada Int.	Montreal, Canada	1800
21640	_	R. Nederland	Hilversum, Netherlands	2030
	_	R. Japan	Tokyo, Japan	0130
21655	_	R. Pakistan	Karachi, Pakistan	1100
21670		Am. Forces RTV relay	Poro, Philippines	1600
21690	_	R. Sweden	Stockholm, Sweden	1230
21710	_	Kal Israel	Jerusalem, Israel	0100
21710	-	British B.C.	London, England	1 600
21730	-	R. Norway	Oslo, Norway	1600
21740	_	R. Australia	Melbourne, Australia	0200
21755	-	R. Pakistan	Karachi, Pakistan	1600

11 Meter Band-25600-26100 kHz

CREDITS: Donald Minor, AZ; Robert Zilmer, NM; Ceasar Braga, MA; James Bodle, NY; James Clifford, W. Germany; Harold Sellers, ONT; Wilder Pickard, IL; Andy Reid. ONT; Scott Nelson, ND; Michael Brissett, WI; David Reitz, KY; Larry Cunningham, OH; Glenn Thompson, NM; Sholom Gliksman, IL; Martin Potter, ONT; Mike Simaachko, WI; Rowland Archer Jr., NC; Brian Alexander, PA; Joh Fisher, ALB; Rufus Jordan, PA; Jay Novello, NY; Don Moman, ALB; Ernie Behr, ONT; William Krause, MN; Jeff Kruszka, OH; Richard Lucas, CA; Dan Lang, PA; Steven Reinstein, FL; Jack Latteman, WA; Jack Jones, MS; Robert Hoffman II, NY; Jim Fedor, CA; Kevin Szot, Brazil; Serge P. Neumann, FL; Mike Hardester, CA; Jean Jacques Bloch, France; Vladimir Cucura, PA; Jim Bryan, CA; Bill Reynolds, NY; James Posporelis, NY; Gerry Bishop, PA; Edward Pyatt, GA; Paul Brouillette, MI; Don Moore, PA; Dan Ferguson, WV; North American SW Association, Box 13, Liberty, IN 47353.



LITERATURE LIBRARY

403. PAIA Electronics gives you "Advanced Electronics For The '80s and Beyond." Brochure features computerized music synthesizers.

402. Technical Electronics has descriptions galore of all kinds of electrical gadgets—transistors, computer power supplies, and logic probes—in its latest (6-80 B) mail order catalog.

401. AP Products' "Faster and Easier Book" is designed to eliminate any problems with breadboarding, interconnection and testing devices. All-circuit evaluators with power are featured.

400. Global Specialties provides new product info in its catalog of Testing and Design Instruments. A Digital Capacitance Meter and Tri-Mode Comparator are just some of the featured projects.

399. "Firestik" Antenna Company has introduced a new and informative product catalog on top-loaded, helically wire-wound antennas and mounts.

398. Hamtronics, Inc. has announced a new model R110 VHF AM Receiver Kit which employs an AM detector and a dual-loop agc system. A complete catalog is yours for the asking!

397. Instant Software, Inc. is offering a special holiday catalog for all kinds of year 'round software package gift-giving, as well as their regular microcomputer catalog.

396. Creative Computing's first software catalog of various education and recreation simulation programs as well as sophisticated technical application packages is available now.

395. OK Machine and Tool explains the technology of wire-wrapping, complete with illustrations, in its catalog of industrial and hobby products. The 60-page book (80-36N) is available now.

403, Connecticut microComputer Inc., has issued a new catalog describing their computer interfaces for PET, APPLE, TRS-80, KIM and others as well as data acquisition modules and accessories including a variety of connectors.

389. You can't buy a bargain unless you know about it! Fair Radio Sales' latest electronics surplus catalog is packed with government and com-

388. SWLs need Gilter's Shortwave Mail Order Catalog for economy one-stop armchair shopping. From top-notch rigs to reporting pads, Gilfer supplies all your hobby needs.

327. Avanti's new brochure compares the quality difference between an Avanti Racer 27 base loaded mobile antenna and a typical imported base loaded antenna.

362. A new catalog packed full of military, commercial and industrial surplus electronics for every hobbyist is offered by B&F Industries. 44 pages of bargains.

384. B&K Precision has issued BK-81, a test instrument catalog featuring over 50 products including oscilloscopes, frequency counters, digital and analog multimeters and accessories.

310. Compument Corp., formerly NCE, has been selling computers by mail since '71, and is offering a 10-day return policy on many items featured in their latest catalog.

322. Radio Shack's latest full color catalog, "The Expanding World of TRS-80," is out now, packed with up to the date information on this microcomputer. Specifications for the new Model II as well as the Model I are included.

386. If you're looking for books on computers, calculators, and games, then get *BITS, Inc.* catalog. It includes novel items.

335. The latest edition of the TAB BOOKS catalog describes over 450 books on CB, electronics, broadcasting, do-it-yourself, hobby, radio, TV, hi-fi, and CB and TV servicing.

345. For CBers from Hy-Gain Electronics Corp. there is a 50-page, 4-color catalog (base, mobile and marine transceivers, antennas, and accessories).

393. A brand new 60-page catalog listing Simpson Electric Company's complete line of stock analog and digital panel meters, meter relays, controllers and test instruments has just come out.

382. Buys by the dozens in Long's Electronics super "Ham Radio Buyer's Guide." Good reading if you're in the market for anything from spare fuses to a complete station.

380. If your projects call for transistors and FETS, linear and digital ICs, or special solid-state parts, then look into Adva Electronics' mini-catalog for rock bottom prices.

301. Get into the swing of microcomputer and microprocessor technology with CREI's new Program 680. New 56 page catalog describes all programs of electronics advancement.

306. Antenna Specialists has a new 32-page CB and monitor antenna catalog, a new amateur antenna catalog, and a complete accessory catalog.

377. John J. Meshna, Jr., Inc. has a super-saver catalog out (SP-16) featuring walky talkies, police radar detectors, vacuum pump compressors and other fascinating products to choose from.

330. There are nearly 400 electronics kits in *Heath's* new catalog. Virtually every do-it-yourself interest is included—TV, radios, stereo and 4-channel, hi-fi. hobby computers, etc.

392. The opening of the new Software of the Month Club has been announced by Creative Discount Software, which is giving out membership enrollment applications now. The Club plans to have separate branches for users of the Apple II, TRS-80, Ohio Scientific, Exidy, PET and CP/M based systems.

390. Whitehouse & Co., your "hard to find parts specialist," offers over a dozen parts and kits in their latest catalogue, featuring an entire section on gunnplexers for Amateur Radio buffs.

313. Get all the facts on *Progressive Edu-Kits* Home Radio Course. Build 20 radios and electronic circuits; parts, tools, and instructions included.

320. Edmund Scientific's catalog contains over 4500 products that embrace many sciences and fields. 328. If you are into audio, ham radio, project building, telephones. CB or any electronics hobby you'll want McGee's latest catalog of parts and gadgets.

333. Get the new free catalog from Howard W. Sams. It describes 100's of books for hobbyists and technicians—books on projects, basic electronics and related subjects.

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.

391. A new software products catalog for the Apple II Computer has just been issued by Charles Mann & Associates. The booklet contains business accounting, accounts receivable, inventory, BASIC teaching and other special purpose business applications.

359. Electronics Book Club has literature on how to get up to 3 electronics books (retailing at \$58.70) for only 99 cents each . . . plus a sample Club News package.

408. PanaVise Products, Inc., a manufacturer of precision vises for holding electronics projects, circuit boards and other devices requiring precise, steady support is offering their new eight-page color catalog. The PanaVise system uses a series of interchangeable base mounts and accessories to accommodate a variety of applications.

404. Spectronics, Inc. offers a complete line of equipment for the shortwave listener. Their catalog lists receivers, a complete SWL library and numerous other accessories, all at discount prices.

405. The Kester Solder Company is offering a book on soldering techniques and a handy guide to the various types of solders and their applications. Both are valuable items for the electronics hobbyist working with conductive metals.

406. The 1980 catalog from Advanced Computer Products, Inc. is billed as "the world's most complete catalog of electronics, Computers, hardware, software and intelligent computer products and gadgets."

407. Poly Paks Inc. carries a diversified line of electronic equipment at bargain prices. They cover computer products, electronic games, tools for the hobbyist and professional, and much more.

COMMUNICATIONS WORLD					
Box 1849, G.P.O.					
New York, NY 10117					
Please arrange to have the literature					

1981 EDITION Void After May 8, 1981

Please arrange to have the literature whose numbers I have circled below sent to me as soon as possible. I am enclosing 50¢ for each group of 10 to cover handling. (No stamps, please.) Allow 4-6 weeks for delivery.

301 306 310 313 320 322 327 328 330 333 335 345 388 389 390 384 386 355 359 362 377 380 382 354 401 402 403 395 397 398 399 400 391 392 393 396 404 405 406 407 408 409

300 Enter my subscription to SCIENCE & ELECTRONICS for 6 issues at \$3.98.
Check enclosed. Canada and all other countries \$5.00.

NAME (print clearly)

ADDRESS

CITY

STATE

ZIP

SCIENCE & ELECTRONICS ELEMENTARY ELECTRONICS ELEMENTARY ELECTRONICS SCIENCE & ELECTRONICS SCIENCE & ELECTRONICS

The Magazine of Science and Electronics



Half a million readers know it, and enjoy it, as ELEMENTARY ELECTRONICS.

Because it's the magazine that helps half a million electronics enthusiasts "do their thing"—whether it's radio, hi-fi, CB, the new electronic games, or projects for the home.

If you're turned on by the wires and the gadgets and the switches, knobs, cords and meters—and by the adventure of fixing and building with all these things—then you probably already know you can turn to ELEMENTARY ELECTRONICS for

- practical how-to help
- exciting project ideas
- scoops on new developments and products
- no-nonsense lab tests to help you make wise buying decisions
- tips on how to save time and money

and so much more to give you hours of personal satisfaction in your electronics pursuits!

And now it's growing...

Because of the growing interest in science throughout the country—and because science is affecting electronics in such exciting new ways—we've decided to grow with it.

Nothing's being lost or even toned down-we're just *adding* a new element-SCIENCE. And changing our name to reflect the new mix. We're becoming

SCIENCE & ELECTRONICS

Please allow 6-8 weeks for delivery of your first copy.

What kind of science? (And what does it have to do with my favorite pastime?)

Any science with wires in it! Because, whether you're aware of it or not, science is already affecting your efforts in electronics. For instance—just look at what a vital force the computer is becoming in our lives! (Hi-fi buffs —are you keeping up with the latest in digital recording? And those of you with Home Box Office—what about the way satellites are affecting TV viewing!)

You won't want to miss a thing that's happening! Keep up with new developments in science that will affect the technology in your electronics projects. Not to mention new developments in *electronics* that will affect scientific advances!

Some people are already calling the 80's "The Science Decade." We want you to be a part of it—and take advantage of all it has to offer you!

What Can I Look Forward to in ELEMENTARY ELECTRONICS/SCIENCE & ELECTRONICS?

When we plug in the Science, we're increasing the voltage to cover subjects like

- the new consumer computer information networks
- AM stereo
- computer voice synthesis
- music synthesis
- energy-saving electronics
- communications innovations
- more photo and darkroom projects
- electronics and automotive developments

H1ACE6

Now's the time to see for yourself!

Because of the exciting transformation taking place in the magazine—yes. But also because of the unbeatable introductory price you get if you subscribe right away—

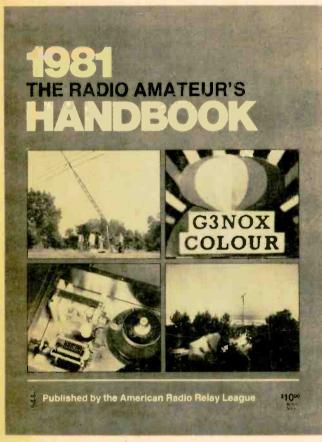
> 1 year— 6 bi-monthly issues for ONLY \$4.98!!!

(The regular subscription price is \$7.50 for 6 issues. \$8.10 on the newsstand.) So save by sending the coupon at right—today!

P.O. Box 2630, Green	wich, C1 06836	
the newsstand price.	ription for 6 issues (one yea	ir) for only \$4.98—I save \$3.12 off S.A. and possessions—\$6.00)
Credit Card Users Only: □ Enter my subscription f \$9.96—I save \$6.24 off t	for 12 issues (two years) and he newsstand price. (Outside	d charge my credit card for only e U.S.A. and possessions-\$12.00)
Credit Card Number		
Card Expiration Date		
Signature		
Name		
Address		
	0	77:

SCIENCE & ELECTRONICS/ELEMENTARY ELECTRONICS

64 MORE PAGES NO CHANGE IN PRICE



In these inflationary times, it is difficult to find something which has been improved, but costs the same as a year ago. We've added 64 more pages to the Radio Amateur's Handbook with no increase in price! The 1981 Edition contains 640 pages, with 22 chapters of text, plus the popular chapter on vacuum tube and transistor characteristics and base diagrams.

What's new? Here is a partial listing:

- 600 MHz Frequency Counter
- Link-Coupled Transmatch
- Modulated RX Noise Bridge
- 50-75 ohm broadband transformer
- Foldover tower
- 12-volt, 30 amp regulated supply
- Economy 1.2-15 volt 5 amp Bench Supply
- NBS design charts for 50-432 MHz Yagi Antennas
- Table of optimum guy-wire lengths
- Amateur ASCII and Baudot technical standards and definitions
- Noise figure/temperature definitions and conversions
- New inductance formulas (for strip lines, etc.)
- Transmitting tube cooling specifications and blower information
- Table of phasing line lengths for vhf/uhf arrays
- Updated propagation information
- IC op amp and TV sweep tube charts
- Ferrite toroid electrical and mechanical cross reference
- Digital logic family compatibility chart and interface circuits

- PIN diode QSK system
- Modern Band-Edge Marker
- Buffered Morse Keyboard
- Antenna/Preamp system for EME
- 50 and 432 MHz Yagis
- 50 MHz kw linear amplifier
- Lightweight portable HF Antennas

There are also more template drawings for a variety of circuit boards, plus revised chapters on Solid State Fundamentals; Power Supplies; VHF and UHF Transmitting; Mobile, Portable and Emergency Equipment; Code Transmission; Specialized Communications Techniques; Test Equipment and Measurements; HF Antennas; and Vacuum Tubes and Semiconductors.

The price of the paper edition is \$10 in the U.S. and possessions, \$11 in Canada, and \$12.50 elsewhere. The clothbound edition is \$15.75 in the U.S. and Possessions and \$18 elsewhere.

The 1981 Handbook is available at your radio store or from: The American Radio Relay League, Inc. 225 Main Street Newington, CT 06111