

DX News

• Serving DX'ers since 1933

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The NRC/WTFDA Convention 2012 will be held August 3-5 in Bridgeport, WV: Bill and Brenda Swiger are proud to host this year's convention in Bridgeport, WV on August 3, 4 & 5 at the Days Inn and Suites at 112 Tolley Drive.

Reservations for hotel rooms at (304) 842-7371 before July 20, 2012. The cost for each room is \$79.94 including tax. One to four adults per room. You must mention the National Radio Club to get this rate. Yes, WTFDA members will be here, but mention NRC!

Registration is \$45.00 for members and \$25 for spouses or significant others. This will include the Saturday evening banquet and snacks and drinks for the hospitality room.

Tours are planned along with a local festival that weekend with food and music that we can carpool to. Days Inn is off the intersection of I-79 and Route 50. There are shopping areas and restaurants within walking distance. The local airport is 3 miles away with shuttle service. More info to follow with bus service, etc.

Mail Registration and auction items to: Bill Swiger, 1 Casey Lane, Bridgeport, WV 26330-9454. Questions to: <ridgeradio@cebridge.net> Meet us all at beautiful "Almost Heaven" state of West Virginia. Thanks, Bill and Brenda.

From the Publisher: The latest in a series of ultralight antenna construction articles from Gary DeBock is in this issue, along with "Ultralight News," a new feature from Phil Bytheway. And baseball network lists!

We'll be back in two weeks. My day job has me traveling outside the country on deadline day for the next issue in a place where Internet connections are said to be spotty, so #25 may be a bit delayed in being posted on e-dxn, but otherwise we'll be on the usual schedule.

Membership Report: Welcome (back) to rejoining member James Pope, Aurora CO.

And thanks to these renewing members for their continued support: Richard Allen; Robert M. Berglund; Jerry Bond; Henry Byra; John Clark; Stephen E. Foisey; John C. Herkimer; Peter A. Horton; Steven Kamp; Karl Kastner; Robert N. LaVigne; John L. McWilliams; Anthony Rhein; John Sampson; Wally Wawro; and David Yocis.

VOL. 79 DX NEWS PUBLISHING SCHEDULE

No	In By	Date	No	In By	Date
25	Mar. 30	Apr. 9	28	June 30	July 9
26	Apr. 27	May 7	29	Aug. 3	Aug. 13
27	May 25	June 4	30	Sept. 7	Sept. 17

THE DX TIME MACHINE

75 years ago: From the Mar. 24, 1937 *DX News*: Detroit city councilman Eugene I. Van Antwerp introduced an ordinance to fine anyone operating a machine causing interference in the AM radio band.

50 years ago: From the Mar. 24, 1962 *DX News*: Around three-fourths of Musings contributors type their reports these days; the FCC threatened to cancel the license of KRLA-1110 due to the licensee not being a US citizen.

25 years ago: From the Mar. 30, 1987 *DX News*: The National Association of Broadcasters opposed the FCC proposal to drop the K/W West-East call letter distinction, calling it an "unnecessary solution to a problem which does not, in fact, exist."

10 years ago: From the Apr. 15, 2002 *DX News*: John Bryant contributed many TP loggings from a Grayland, WA DXpedition to IDXD; Rick Kenneally Mused about his adventures setting up an 800' antenna across a swamp.

NRC AM Radio Log, 32nd Edition

The Log is unbound and three-hole punched for standard binders.
Price: To the United States, \$19.95 to members, \$25.95 to non-members; add \$3.50 for Priority Mail.

To Canada, \$26 to members, \$30 to non-members.

Airmail to all outside US/Canada: \$34.00.

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CO residents add 3.5% sales tax.



AM Switch



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Status changes in AM stations, supplied by the FCC, CRTC, listeners

CALL LETTER CHANGES

<u>Old Call</u>	<u>New Call</u>
1110 KWDB WA Oak Harbor	KRPA
1180 WPLX AR Turrell	KXIQ
1230 WNUZ AL Talladega	WPPT
1230 WHUC NY Hudson	WAIP
1340 CP AL Holt	WMHZ
1370 WRWD NY Ellenville	WJIP



CPs ON THE AIR

570	WFNL	NC	Raleigh – CP for U1 1000/40 is now on the air, after moving to one of WPTF-680's towers at 35-47-35/78-45-41.
580	WYHM	TN	Rockwood – Is now on the air with U1 5000/49.
580	WLVA	VA	Lynchburg – Is now on with U1 250/14, moving from 590 kHz.
590	WLES	VA	Bon Air – Is now on with U1 600/58, moving from 580 kHz.
970	WJFN	MS	Brandon – Is now on the air with U1 350/90 after moving to a new transmitter location at 32-16-26/90-00-49.
1010	WGUN	GA	Atlanta – CP for U1 50000/78 CH 45000 is now on.
1050	WBRG	VA	Lynchburg – Is now on the air with U1 3800/90.
1060	WQOM	MA	Natick – CP to raise the daytime power is on. WQOM is now U7 50000/2500 CH 22000.
1340	WKSN	NY	Jamestown – CP to move to the tower of co-owned WJTN-1240 at 42-06-17/79-15-27 with U1 260/520 is on the air.
1340	KWVR	OR	Enterprise – CP to move to a new 183' tower at 45-23-58/117-15-30 is on, remaining U1 1000/1000.
1430	WATB	GA	Decatur – CP to move here from 1420 and increase day and night power levels to become U5 50000/174 is on. They added one tower to their array of three for the new day pattern.
1570	WNKX	TN	Lobelville – CP to change City-of-License from Centerville is on the air with U1 1000/66 at 35-46-01/87-49-52.



ACTIONS

1060	KOAI	AR	Van Buren – Licensed for D3 500/0, KOAI has been silent for nearly one year. They have filed for a Special Temporary Authorization (STA) to operate with D1 125/0 in order to return to the air before the one-year deadline in order to keep the license in effect. The owners have also reported that while they have been silent, thieves have stolen copper and equipment from the transmitter site.
1060	KNLV	NE	Ord – CP granted to increase their daytime power to become U1 1000/23.
1170	KOWZ	MN	Waseca – Extends their STA operation with 60 Watts due to water damage to their transmitter as a result of flooding 18 months ago. They cite “difficulty in locating a full complement of necessary and suitable replacement parts” as justification.
1400	WHBS	GA	Moultrie – Coordinate correction to 31-09-55/83-45-56.
1400	KKTK	TX	Texarkana – Coordinate correction to 33-26-34/94-03-20.
1400	CKSQ	AB	Stettler – CP granted to move to 93.3 MHz, remaining Country.
1540	NEW	FL	Southchase – CP granted for U4 7000/300 from three new towers (all used day and night) at 28-23-12/81-21-54. The day and night patterns throw lobes to the northeast and southwest, a minor lobe to the northwest and a null to the southeast. Southchase is located between Orlando and Kissimmee.

APPLICATIONS

- 740 CFZM ON Toronto – Applies for a nested repeater on 88.1 MHz.
 860 CJBC ON Toronto – Applies for a nested repeater on 88.1 MHz.
 1510 WQUL SC Woodruff – Applies for D1 930/270.
 1590 WCGO IL Evanston – Applies for U2 7200/2500.

APPLICATIONS DISMISSED

- 1570 CJLV QC Laval – Application to amend their licence to authorize it to devote, in each broadcast week, up to 40% of its programming to third-language (Spanish) programming.

LICENSES CANCELLED/CALLS DELETED

- 900 CKMO BC Victoria – License cancelled/call deleted. Their programming continues to be streamed on the Internet. Visit them at: www.village900.ca and scroll down to 'Listen' to, well . . . listen.
 1060 KOFY TX Gilmer – License cancelled/call deleted.
 1260 WNWK DE Newark – License cancelled/call deleted.



APPLICATIONS FOR NEW STATIONS

- 1190 APP ON Brampton – D1 500/0
 1480 APP ON Markham – D1 1000/0 [A split-fre/
 1490 APP ON Markham – N1 0/500 quency station!]

AM on FM

- 950 WYWY KY Barbourville – W227CD 93.3 Barbourville and W256BM 99.1 North Corbin [WYWY and WRSL, below are //]
 1220 WGNY NY Newburgh – WGNY-FM 98.9 Rosendale
 1400 KLIN NE Lincoln – K233AN 94.5 Lincoln
 1600 WRSL KY Corbin – W253BC 98.5 North Corbin and W256BM 99.1 North Corbin [call corrected from last issue]

HEAR AND THAR

- ✿ **Returning to the airwaves:** KMUL-830 Farwell, Texas returns with Oldies as *Rocket 980*; KXIQ-1180 Turrell, Arkansas is back with Classic Country; KRCM-1380 Shenandoah, Texas returns to the air with Spanish Religious as *Radio Vida*; WTIK-1410 Concord, North Carolina returns with Classic Country as *Country Legends 1410*.
- ✿ **Reported as silent:** WCER-900 Canton, Ohio; WIHY-1110 Hurricane, West Virginia; WLLM-1370 Lincoln, Illinois is off due to an electrical fire at the studios (also affects their translator station W287BP 105.3 Marion).
- ✿ **News Item: Dial Global To Offer NBC News Radio Network, Drops CNN Radio -** NBC News and Dial Global are partnering to offer a new 24-hour radio news network with a familiar brand, NBC News Radio. The service will include live simulcasts of breaking news from NBC and MSNBC as well as reports from NBC News correspondents including Chuck Todd, Jim Miklaszewski, Andrea Mitchell, Pete Williams and Lisa Myers. Anchor Brian Williams and "Meet the Press" host David Gregory will also be featured. As Dial Global launches the new NBC network, it is dropping distribution of CNN Radio. All Access has confirmed with CNN that it will cease production of the radio network beginning April 1st but will continue to create original audio news content for other distribution channels including CNN Newsource, the CNN Wire, and CNN.com, plus web and mobile applications. A spokesman told All Access that while there may be staff reductions as a result of the change, no on-air staff will be affected.
- ✿ **News Item: VOA Celebrates 70 Years -** Current and past U.S. international broadcasting officials were in Washington recently to salute Voice of America on its 70th anniversary. Among them was Walter Roberts, age 95, last surviving member of the group that organized the first broadcasts to Germany in World War II. VOA went on the air Feb. 1, 1942.
- ✿ **Fines: KULF-1090 Bellville, Texas** (a daytime-only station) is fined \$4000 for operating after sunset; WNFO-1430 Sun City-Hilton Head, South Carolina is fined \$25,000 for failing to: have a locked fence around the base of their tower; install an operational Emergency Alert System; and maintain and make available a Public Inspection File.
- ✿ **Thanks to Shawn Axelrod, Gerry Conkling, Tim Noonan, All Access and Radio World Online.**



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U.S./Canadian Loggings from Pacific/Mtn/Central Time Zones. All times ELT.

Reporters

BD-WI	Bill Dvorak, Madison, WI. Drake R8B, Quantum QX Pro loop
BT-BC	Brent Taylor, Courtenay, BC. SDR-IQ; Wellbrook ALA100M loop.
FO-OK	Forest Osborn, Hooker, OK. Icom PCR-1000, 50 foot longwire.
JDS-MN	Jeff Steffes, Watertown, MN. Drake R8, Kenwood R-2000, Quantum Phaser, Quantum QX Loop v2.0, 80' Longwire N-S
JE-MO	J E Lewis, Kansas City, MO. Honda Odyssey car radio.
JW-CO	John Wilkins, Wheat Ridge, CO. Drake R-8, GE Superadio II, 4-foot box loop.
RD-NE1	Rick Dau, South Omaha, NE. Sangean ATS-909X barefoot
RD-NE2	Rick Dau, South Omaha, NE. 2009 Ford Ranger factory radio
RR-IL	Ron Ross, Bloomington, IL. Sangean PR-D5 and clone of Kaito 2100...Silicon Scientific 75498
RV-TX	Robert Vance, El Paso, TX. WinRadio G303e/PD, 12'x9' unterminated corner-fed N-S loop, 25-yr old Palomar Loop
SA-MB	Shawn M. Axelrod VE4DX1SMA, Winnipeg, MB. Icom ICR-70 / Drake R8; 3 Foot un-amplified box loop, Quantum QX LOOP v2.0/ 155 Foot "U" shaped outdoor wire / 100 Foot indoor wire run around the basement walls / MFJ 1026 Phasing unit

DX Tests Heard

- 560 WFIL PA Philadelphia – 2/12 0003 – Weak under WIND (and in the null of KWTO, which was airing a Jack Benny episode of *When Radio Was*) with sweep tones during DX test. A descending tone heard a few minutes later, and that was the last I heard from WFIL during the hour-long test. PA #4 at this QTH. (RD-NE1)
- 670 KBOI ID Boise – 3/10 0236 – DX Test heard here with Morse code ID's and sweep tones at 03:36 through 03:38. 670 WSCR IL Chicago 03/10 0300 noted off as per the information received. No other station heard on the frequency except the KBOI DX Test. (SA-MB) 3/10 0306 – Fair to good in auroral conditions, with regular KBOI "Red Eye" programming and many IDs, a brief network-fed discussion about "Romneycare," then the announcement: "KBOI Boise, we are pausing programming to do some technical maintenance. Please stand by, we'll be back shortly." Then 16 sweep tones, followed by some quick fade-ups and fade-downs of music, some dead air, and eventually Morse code: "KBOI Boise Idaho" in 1000 Hz pure tone, followed by a lower tone and slightly distorted "K S M" which I think was a glitch at source, then pure tone 1000 Hz "KBOI Boise Idaho" repeated, followed by a better sounding lower 700 Hz tone repeat of the same. My recording ended before the network programming was resumed. In the second test a half hour later, there was no announcement. The network audio was just faded down and the 1000 Hz Morse code started at around 0336, followed by two sweep tones, and music clips including (maybe being played backwards?) a snip from "Paper Planes" by M-I-A, some more Morse code and then five sweep tones, with programming being faded back up underneath. (BT-BC)
- 1550 KRPI WA Ferndale – 2/26 0404 – Caught five periods of CW CL transmissions of various CW tones at 0404, 0410, 0415, 0420, and 0426; but nothing else. QRM de XENU-TM and a couple of other stations. (RV-TX)

DX Tests Not Heard

- 580 WHP PA Harrisburg – 2/27 0005, 0033, and 0105 – Tried for, not heard. Channel was ruled by WIBW and XEMU. (RD-NE1)
- 670 KBOI ID Boise – 3/10 0305-0310 and 0335-0340 – DX test. Tried for, did not hear. It was known for days that WSCR would be off air at this hour for maintenance. Our own Scott Fybush arranged for a DX test involving KBOI, consisting of Morse

ID's at approximately 0308 and 0338 during the WSCR downtime. For the length of these two ID's only, the station was going to run day facilities of 50kw ND, running night facilities before. between and after. This one should have been a slam dunk for DXers for many hundreds, perhaps thousands of miles. What did DXers in, especially those in the East and Upper Midwest, was some of the most intense auroral conditions in years, making for severely disrupted east-west paths. My QTH is 1350 miles almost-dead-on due east of Boise. Not a chance! Despite the disappointment, many kudos to Scott and KBOI for doing this test. **(BD-WI)**

720 KOTZ AK **Kotzebue** – 3/10 0400-0430 – DX test arranged to coincide with WGN outage concurrent with that of WSCR and WBBM. Halfheartedly tried for, did not hear and did not spend the entire half hour on 720. I didn't think there was much of a chance (10 kw, 3086 miles, auroral conditions) but wanted to try for it, at least for the record. Besides, hearing XERE "Radio Kaliente's unique music and time check format while trying for KOTZ was a pleasant diversion. **(BD-WI)** 03/10 0400. DX Test not heard here. I have logged them way back in the mid 1990's as my only AK ever heard, but would love to have heard them again. 720 WGN IL Chicago 03/10 0300 noted off as per the information received. No other station heard on the frequency as band conditions were terrible here. **(SA-MB)** Not heard here in Courtenay BC. Had the ALA100M set up and aligned with Google Earth to point directly at Kotzebue, but that meant the back end was unable to null Vancouver's blowtorch on 730. With the splatter, and the auroral conditions, KOTZ was not heard. **(BT-BC)**



1460 WTKT PA **Harrisburg** – 2/27 0000-0500 – Had a receiver set on frequency for this one but didn't catch anything definitive. Seemed to be a lot of QRN. **(RV-TX)** 2/27 0015 and 0045. Didn't expect this one to pop through, and it didn't. **(RD-NE1)**

Station News

1050 KMTA MT **Miles City** – 2/8 1836 – Fair with ID: "KMTA can now be heard on 1050 AM and 95.3 FM." Most likely the same station I heard about 15 minutes earlier with Jackson Browne's "Running On Empty." Appears to have returned to the air sometime around February 1. **(RD-NE2)**

1470 KWSL IA **Sioux City** – 3/3 1527 – This station's bi-annual habit of changing formats continues. Noted at this time with Don Williams song "Love Me Over Again", then voice-tracked chatter by male DJ that included a mention of "1470 The Whistle", and a promo of their website www.1470kwsl.com. **(RD-NE2)**

DX Loggings

540 CBK SK **Watrous** – 2/12 0230 – Popping up during brief dropouts of XEWA who was having some technical issues evidently. Near TOH was promo for the Six-Word Modern Love Story contest on 'Q', followed by CBC News. I was able to partially phase XEWA but CBK was still always in under them. Fair when XEWA dropped out but very poor otherwise. **(RV-TX)**

560 KLZ CO **Denver** – 2/12 0059 – A nice surprise at the end of WFIL's test period. Fair with rerun of Michael Savage talk program, then "...legendary KLZ..." heard in legal ID. WIND picked a good time to take a dive. **(RD-NE1)**

590 KUGN OR **Eugene** – 3/10 0305 – Good, with ID "Your healthy radio addiction, *The Laura Ingraham Show*, get your fix every weekday from 9 'till noon, only on KUGN," followed by a PSA for the US Forest Service, and then "Gary Doyle on KUGN news-talk 590, and KUGN dot com." Heard while checking for DX test recordings on SDR-IQ. **(BT-BC)**

590 KLBJ TX **Austin** – 2/18 2300 – Noted w/Coast-to-Coast, BOH ID mentioned // -99.7 FM. Poor in mix w/XEPH-DF. **(RV-TX)**

600 CJWW SK **Saskatoon** – 2/25 0743 – Commercials including Cold Tech Windows 933-4950. Followed by Station ID: CJWW. Into song: "You Can't go Home." **(JDS-MN)**

620 KPOJ OR **Portland** – 3/10 0306 – Good, with "and now another hour of smart talk, 620 KPOJ Portland's talk." Then into *The Alan Colmes* show. Heard while checking for DX test recordings on SDR-IQ. **(BT-PE)**

640 WOI IA **Ames** – 2/25 0759 – "This is Iowa public radio news WOI Six-Twenty AM, KRNI Ten-Ten AM Mason City, Clear Lake. Program podcast online at Iowa Public Radio dot org." Followed by news. **(JDS-MN)**

- 640 **KTIB LA Thibodaux** – 2/13 0202 – Good, over WWLS, with ending of Led Zeppelin warhorse "Stairway To Heaven", then a canned ID: "...KTIB, Thibodaux, a (inaudible) Broadcasting station", then into Bob Dylan's immortal "Like A Rolling Stone." Must have been on the day rig. **(RD-NE1)**
- 650 **CKOM SK Saskatoon** – 2/25 0705 – Sports report, into weather report with winter storm warning for southern Saskatchewan. Then overridden by WMNT, Nashwauk, MN going to daytime power. **(JDS-MN)**
- 680 **KFEQ MO St. Joseph** – 2/17 0845 – Caught an I.D. followed by Mike Huckabee commentary. **(RR-IL)**
- 690 **KGGF KS Coffeyville** – 2/27 1840 – Religious program with Dr. McGee, ID at TOH. **(FO-OK)** 2/19, 0300; Heard them under local KTSM and was able to phase it enough for the DX gods to be benevolent toward me. Caught "...on AM-690, KGGF, Coffeyville." and back into Fox Sports, unless FSR was a third station in there. **(RV-TX)**
- 720 **WGN IL Chicago** – 2/25 2355 – In with Chicago Blackhawks hockey postgame show, TOH ID after a promo "Right here on The Voice of Chicago, 720 WGN;" slogan, before falling back into jumble w/KDWN-NV and XEDE-COAH. **(RV-TX)**
- 750 **KHWG NV Fallon** – 2/12 2304 – Faint under WSB with Hank Williams' "Moanin' The Blues" and Gale Garnett's "We'll Sing In The Sunshine." Confirmed via KHWG's webstream, which was about 30 seconds behind. Big-time kudos go out to Bill Dvorak and Neil Kazaross for the tip on this. **(RD-NE1)**
- 780 **WBBM IL Chicago** – 2/26 0250 – In with news by YL, local ads, lottery numbers, traffic, weather, sports, numerous ID's "NewsRadio 780 AM and 105.9 FM, WBBM", CBS news at TOH. Fair-good, but probably the best I've ever heard in the three years down here. **(RV-TX)**
- 790 **KABC CA Los Angeles** – 2/26 0315 – Popped up out of the scrum w/CL ID by OM; and continued to pop up intermittently. Caught the TOH ID at 0400 "KABC Los Angeles, a Cumulus station...Talkradio AM 790." and into ABC news. **(RV-TX)**
- 800 **WVAL MN Sauk Rapids** – 3/3 0655 – Out of song: "She's Acting Single (I'm Drinking Doubles);" "AM Eight-Hundred WVAL, Minnesota's country legends." Into commercial for Mathison Motors. **(JDS-MN)**
- 800 **CHAB SK Moose Jaw** – 1/28 1821 – Good with ID: "Playing the greatest hits of all time...CHAB", then into the Guess Who's "Clap For The Wolfman". **(RD-NE1)**
- 810 **KBHB SD Sturgis** – 2/17 1850 – Local news and then ads about local upcoming auctions. **(FO-OK)**
- 820 **WWAM TN Jasper** – 3/8 2139 – Mostly weak to complete fade in the null of WBAP, but fading in very nicely with an ad for Whitwell Pizza Delivery, Whitwell TN (in Marion County, same as Jasper: address and phone number match that found in an internet search).NEW! This one is a 1-kw daytimer on late this night. I owe this logging to David Falkner who earlier in the evening posted a tip on the IRCA list. **(BD-WI)**
- 850 **WAIT IL Crystal Lake** – 3/3 0710 – "Welcome to The Promise for Chicago, and the surrounding suburbs, AM Eight-Fifty WAIT Chicago." **(JDS-MN)**
- 880 **CHQT AB Edmonton** – 2/3 0729 – Out of news story "You're listening to I-News Eight-Eighty. The exclusive I-News Eight-Eighty traffic and weather watch continues with Jane Smith." Into traffic report followed by weather. **(JDS-MN)** 2/13 0208. Very good and along with news and several "I News 880" IDs. First time heard from anywhere for me, and my first Edmonton station logged since the early 1990s. **(RD-NE1)**
- 910 **KATH TX Frisco** – 3/7 0659 – Fair with a message for a fundraiser, legal ID including slogan "Radio for your Soul" and Guadalupe Radio Network mention into religious programming before a quick fade. Auroral conditions were noticeable this morning, with enhanced paths to the south and disrupted east-west paths. Long-needed call change, ex-KXEB, and city of license change, ex-Sherman TX. **(BD-WI)**
- 920 **CFRY MB Portage la Prairie** – 3/3 2252 – Heard station jingle and western swing instrumental music. **(RR-IL)**
- 930 **KROE WY Sheridan** – 1/27 1830 – Good with "KROE" jingle ID, then into "Heaven Must Be Missing An Angel" by Tavares. **(RD-NE2)**
- 940 **KYNO CA Fresno** – 2/21 0824 – News from Cal State Fresno University. ID as Radio 9-40, KYNO. First new log with the PCR-1000. **(FO-OK)**

- 940 WCSW WI **Shell Lake** – 2/3 0759 – Out of commercial for Visiting Angels non-medical home care. "AM Nine-Forty WCSW Shell Lake, Wisconsin's talk station." Into national news. **(JDS-MN)**
- 970 WHA WI **Madison** – 2/21 1820 – Fair in KMA splatter with call-in program about the problem of underage drinking in Wisconsin, phone # given out as 1-800-486-6655. Nice ID at 1829 as "Ideas 970 AM, WHA, Madison." **(RD-NE2)**
- 980 KFVB CA **Los Angeles** – 2/21 0818 – Local traffic report and call letter ID. **(FO-OK)**
- 980 KRTX TX **Rosenberg-Richmond** – 3/1 2305 – Good with several "Radio Aleluya" jingle IDs after accordion-heavy SS mx. Only Spanish station, either domestic or Mexican, that I can find on the channel using this slogan, so I'm counting it as this. **(RD-NE1)**
- 990 WGSO LA **New Orleans** – 3/11 2058 – Good with *Rita Cosby Show*, message promoting WGSO sales jobs. No sign of regulars CBW and CKGM in intense auroral conditions, leaving this rarely heard 400-watter all by itself. **(BD-WI)**
- 1030 WUFL MI **Sterling Heights** – 2/24 0820 – "Detroit's Christian Family Life Radio programming." **(RR-IL)**
- 1030 KCWJ MO **Blue Springs** – 2/26 1952 – Religious music, ID as "10-30 the Light". **(FO-OK)**
- 1040 CKST BC **Vancouver** – 2/26 0604 – Stayed up after KRPI's test, and was glad I did. Fair under WHO with Ben Maller on Fox Sports Radio // CKST's webstream. BC #1 at this QTH. **(RD-NE1)**
- 1050 KSIS MO **Sedalia** – 2/19 0806 – Fair with live start of syndicated knick-knack-appraisal program *Whatcha Got*. Had no clue who this was, until checking the show's website, which turned up this and a station in New York as the only affiliates on 1050. Since it was looping SE from here and it was well after sunrise in New York, I'm counting it as KSIS. **(RD-NE1)**
- 1050 WDVM WI **Eau Claire** – 3/2 1832 – Fair and alone with Catholic programming, an ad that included a 715 area code #, then a message from the head of the archdiocese of La Crosse. Was trying for WZL, which remains elusive. **(RD-NE2)**
- 1050 CJNB SK **North Battleford** – 3/4 0733 – Rainbow Toyota commercial into "Today's country Ten-Fifty CJNB and One-O-Two point Three CJNF." Followed by song: "Love Story" by Taylor Swift. **(JDS-MN)**
- 1060 WLNO LA **New Orleans** – 3/11 1959 – Weak but clear with religious music, ID "This is 1060 AM WLNO, New Orleans' most powerful Christian radio station" into religious program. First time in years, made possible by local WTSO not running its IBOC. **(BD-WI)**
- 1060 KYW PA **Philadelphia** – 3/15 0000 – Fair with legal ID after TOH time tone, then canned ID "All news all the time (singing "K-Y-W"), from Independence Mall this is KYW 1060, a CBS Radio station serving Pennsylvania, New Jersey and Delaware." Local news followed. Local WTSO 1070 still had its IBOC off, making this logging possible. **(BD-WI)**
- 1060 KIJN TX **Farwell** – 2/11 0033 – On obvious day power, fair and alone with "Kah-Ee-Hotah-Ennay" jingle ID, then into SS music. **(RD-NE1)**
- 1060 CKMX AB **Calgary** – 3/4 0745 – Out of song: "Lucille" Kenny Rogers "The pride of southern Alberta, classic country AM Ten-Sixty." Into local commercials. Then @ 0748 "Classic country AM is CKMX Calgary also 6030 kilohertz in shortwave. Part of the Astral media family." **(JDS-MN)**
- 1070 KHMO MO **Hannibal** – 3/4 0806 – Commercial for Josh Thompson concert at Quincy High School auditorium. Followed by "KHMO news time Seven-O-Seven." **(JDS-MN)**
- 1080 KOAK IA **Red Oak** – 3/9 1959 – Fair with C&W, dual legal ID "This is KCSI FM Villisca, Red Oak and Atlantic, KOAK AM Red Oak, Stanton, Griswold and Greenwood." This station is a 250w daytimer on late this night. At that, reception of it would have been a moot point had it not been for the fact that local WTSO 1070's IBOC was off this night! NEW! Not only was this the first new one on 1080 in the 4+ years that WTSO has had IBOC, it was my first new 1080 since 9/12/2000. **(BD-WI)**
- 1080 KRLD TX **Dallas** – 3/9 2258 – Fair to good with Longhorn Network coverage of the Missouri-Texas Big 12 Tournament semi-final men's basketball game. Legal ID during station identification break. There was no way that I would call this logging "DX" a few years ago. However, for the past couple of days local



WTSO 1070 has had its IBOC off, so I am hearing some things that I don't normally hear. Here's hoping that the IBOC is off for good and that in the future I can reclassify KRLD appearances to be non-DX. **(BD-WI)**

- 1150 KSEN MT **Shelby** – 3/5 2126 – "Mostly cloudy skies should be the rule for tonight throughout north-central Montana. A little bit of snow moving in. It looks like anywhere from a 20 to 70 percent chance of snow depending how close you are to the mountains. Winds will continue through midnight with gusts up to 60 mph right along the Rocky Mountains, so a high wind warning is still in effect..." Into song: Shake Your Groove Thing. **(JDS-MN)**
- 1200 WOAI TX **San Antonio** – 3/5 2159 – Out of *The Michael Berry Show*, into commercials for The San Antonio Sports and Business Alliance, and Kurk Homes. Followed by "News Radio Twelve-Hundred WOAI San Antonio's news, traffic, and weather. An I-heart station." Into: Fox news. **(JDS-MN)**
- 1250 KZDC TX **San Antonio** – 2/14 1842 – Weak with talk about the release of the 2012 Big XII football schedule, mention of an upcoming interview with a contributor to the Longhorn-based website www.insidetexas.com, then an ID as "ESPN 1250 The Zone." **(RD-NE2)**
- 1270 KBZZ NV **Sparks** – 2/1 1815 – Fade up with *Savage Nation* program, caught clear ID at BOH. Very poor-poor, eventually mixing w/KDJI-AZ. **(RV-TX)**
- 1280 KZNS UT **Salt Lake City** – 2/4 1915 – Faded up w/Weber State-N. Colorado hoops game. "This is Weber State Wildcat basketball, only on 1280, The Zone.". Fair-poor, presumably still on daytime power, in mix w/XEBW-CH. **(RV-TX)**
- 1290 KIVY TX **Crockett** – 3/12 0059 – Fair to good with "America's Best Music" satellite nostalgia, legal ID into ABC news at ToH. NEW! Station was completely alone in intense auroral conditions. Regulars WIRL and WHIO were gone, along with the normal regional frequency rumble. Thanks to Todd Skaine on the NRC list for the tip. **(BD-WI)**
- 1300 WOOD MI **Grand Rapids** – 2/4 2140 – Fair with Grand Rapids Griffins hockey vs. Hamilton. **(RD-NE1)**
- 1300 WOAD MS **Jackson** – 2/4 2241 – Weak under KAKC with black gospel music. Confirmed via WOAD's webstream, which was roughly 15 seconds behind. **(RD-NE1)**
- 1300 KBRL NE **McCook** – 2/4 2259 – Fair with only "...KBRL, McCook" heard in legal ID. **(RD-NE1)** 3/3 0759 – ID as "The Big Talker...KBRL McCook;" not sure what followed. Fair signal but QRM from several. **(JW-CO)**
- 1310 KFKA CO **Greeley** – 2/11 1920 – Noted w/Westwood NCAA Men's Basketball. Local ads for NAPA Auto Parts and Banner Health noted during one of the timeouts, along w/CL ID. Poor with local XEP-1300 splatter phased and another unID popping up around 1930. **(RV-TX)**
- 1320 KRDD NM **Roswell** – 2/12 2015 – Came out of mess w/local announcements, "...trececientos veinte A-M; La Voz Hispana del valle de Pecos..." announcement by OM. Undistinguishable from the rest of the soup otherwise. **(RV-TX)**
- 1370 KWTL ND **Grand Forks** – 3/2 1900 – "This is 13-70 KWTL Grand Forks", then into news and then at 1902, Catholic Answers Live show. Second new log with the PCR. **(FO-OK)**
- 1400 KRVZ AZ **Springerville** – 3/12 0905 – Out of USA news with a spot for Arizona Sign & Graphics; 0906 ID as "AM 1400 KRVZ Springerville" and then faded into the muck. Not common here. **(JW-CO)**
- 1400 KBDB NV **Sparks** – 2/18 0730 – ID by YL "Smooth Jazz, KDBD" came out of the mush followed by some announcements, but precious little else. **(RV-TX)**
- 1420 KJDL TX **Lubbock** – 2/26 0630 – Now noted with Real Country CWM and //99.1 FM. **(RV-TX)**
- 1430 KCOH TX **Houston** – 3/9 2025 – Good to excellent and in the clear with ads for local attorney and grocery store as well as coming event with pastor Shirley Cesar, then into UC music. First time here! **(JE-MO)**
- 1450 WRLL IL **Cicero** – 2/25 0009 – Fair with radio pointed E-W with nortena music // WRLL's webstream. The other Chicago station that shares this frequency, WCEV, comes in here regularly when it's on, so I figured it was only a matter of time before this one showed up. **(RD-NE1)**
- 1450 KLMX NM **Clayton** – 2/19 1400 – ID at TOH, ABC news. This is a semi-local but hard to hear because of KSIW. **(FO-OK)**
- 1460 KLTC ND **Dickinson** – 3/2 1805 – Very good with ID: "Classic Country AM 1460 KLTC, Dickinson." Not new, but not heard this well before, and an indicator that a good opening to the Northern Plains was in progress. **(RD-NE2)**

- 1490 KRSN NM **Los Alamos** – 2/4 2350 – In w/ *Classic Radio Story Hour*; local ads; ID by YL into 60's AC mx ("Tracks Of My Tears"). Poor w/fading. (RV-TX). 2/21/0805 – Faded up briefly with call letters, something that usually does not happen. (FO-OK)
- 1510 KSPA CA **Ontario** – 2/5 0025 – 50's-60's NOS "The Biggest Hits of All-Time" and "Every song is a hit; every time; this is The Spa.". Fair-poor in mix w/partially-phased KCKK-CO. (RV-TX)
- 1520 KVTA CA **Port Hueneme** – 3/15 0810 – Traffic, call letter ID, PDT time check, Ventura and Santa Barbara ads. Fair in partial null of KOKC. (JW-CO)
- 1530 KVDW AR **England** – 2/5 2247 – Came home from a Super Bowl party to find the listservers all abuzz with news of this one staying on late. Good signal at this time under WCKY with black gospel music and an ad for a local business that included a 501 area code #. Last heard years ago as KLRA.(RD-NE1)
- 1570 KBCV MO **Hollister** – 3/15 0855 – Bott Radio Network program notes; weather for Branson area; singing ID at ToH and into religious programming. Fair signal. (JW-CO)
- 1620 KOZN NE **Bellevue** – 2/27 1945 – Heard references to "The Zone" and ads with 402 area code; sports talk. (RR-IL)
- 1630 KKGM TX **Fort Worth** – 1/28 0158 – Fair under KCJJ with talk program, then "Better Life Radio" ID. (RD-NE1)

This and That

Brent Taylor, normally for Prince Edward Island, reports in from across the country in Courtenay, British Columbia. Away-from-home loggings are always welcome in *DX News*.

Shawn Axelrod reports hearing KMBZ calls on 1620 on 3/5 0748, Poor to fair under KQWB with business news, replacing the old classical music on KUDL. Well, apparently not; the KUDL calls are still in effect, even though the station IDs as KMBZ. There ought to be a law.

Interesting reports of DX tests heard and not, and generally all-around loggings. Still some DX to wring out of this season. See you next time. (JDT-WA)

Domestic DX Digest – East

Mike Brooker patria1818@yahoo.com
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Toronto, ON M6G 3X8 CANADA

U.S./Canadian Loggings from Eastern/Atlantic Time Zones. All ELT.

REPORTERS

- RA-MA **Ray Arruda, Acushnet** – Drake R8A, Grundig S350, 130-ft. center-fed inverted V.
- BC-NH **Bruce Conti, Nashua** – Excalibur SDR, MWDX-5, variable termination SuperLoop antennas northeast and south.
- EF-NY **Elliott Feinberg, Brooklyn** – Eton E-10
- TF-NH **Tony Fitzherbert, Campton** – Grundig S350DL, Grundig AM 200 loop.
- HF-MI **Harold Frodge, Midland** – Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW
- BH-MA **Bob Hill, Littleton** – Sony ICF-2010 with Kiwa filters, AOR LA390 active loop.
- HJH-PA **Harry Hayes, Wilkes-Barre** – Superadio II
- JJR-MI **John J. Rieger, L'Anse** – CCRadio 2.
- LW-NY **Leslie Wood, East Meadow** – Sony 2010, Grundig G8, Radio Shack loop.
- MKB-ON **Mike Brooker, Toronto** – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)

Follow me on Twitter! @patria1818 DX-related tweets will be hash-tagged #MWDX.
Friend me on Facebook! www.facebook.com/keval.mike

DX TESTS

- 580 WHP PA **Harrisburg** – 2/27 0400 – Good in WTAG null with "WHP talk radio 580, 97.3 Harrisburg" ID, Fox news, program note at 0402:30, end of Fox news into test announcement at 0405:30 including ID, code ID, e-mail and snail mail address

for reports, mention of IRCA, NRC, WTFDA, then back to regular Coast to Coast program at around 0407. **(RA-MA)**

1460 WTKT PA **Harrisburg** – 2/27 0415 – Fair in mix with Fox Sports' JT and the Brick show, ads for Miracle Insoles and Geico into DX test announcement, voice and code IDs, address for reception reports, mention of NRC, IRCA and WTFDA, then back to regular FSR programming at 0419:30. **(RA-MA)**

UNID

1270 UNID -- - 2/20 1805 – In with end of "6 o'clock news", mention of a Channel 9 in the area. Sounded like "WPSA." Is this WDLA or WHLD with a call change? **(LW-NY)** *No call change for WHLD that I know of. The only Channel 9 near Niagara Falls would be CFTO in Toronto and they're unlikely to air ads on greater Buffalo-Niagara Falls, NY stations. Mike (WTSN-NH runs the 6:00 news from Channel 9 WMUR per its web site. – DY)*

STATION NEWS

1540 WDCD NY **Albany** – Will be going silent "due to lack of programming", after moving their Christian programs to FM. "WDCD will suspend operations for a period during which it will develop and prepare to deploy a new program format and reposition its voice and identity in the community." From web site <http://radioinsight.com/blog/headlines/56023/1540-wdcd-albany-goes-dark/> **(MKB-ON)**

LOGGINGS

540 WFLF FL **Pine Hills** – 2/11 1848 – ID as "Florida Gators basketball network", ad for Tires plus into Tom Morgan sports show. **(LW-NY)**

WETC NC **Wendell-Zebulon** – 3/5 2059 – Mexican tunes; ToH promo sounded like "La Cuba", definitely not "La Jefa". SS announcer gave call letters, pronounced in EE. On top for 4 minutes, giving way to CBEF. NC #29 **(HF-MI)**

CBGA1 NB **Grande Anse** – 3/5 1810 – Presumed with FF discussion & calls; BoH promos mentioning Premiere Chaine, Radio-Canada and Bon Soir Québec. Good, well over UNID ESPN. Known as New Carlisle, QC last time logged. My spies tell me that CBEF is still around, but not being heard well. **(HF-MI)**

550 WGR NY **Buffalo** – 2/11 1842 – In with sports sores on "Buffalo Sabres radio network." **(LW-NY)**

590 WROW NY **Albany** – 2/21 1640 – Atop, no sign of WEZE, oldies, ID's for Magic 590, ads for Staples, a show in the Holiday Inn in Latham, Green Tech Charter High School, Progressive.com, and other ads, gone by 1651. **(TF-NH)**

610 WIOD FL **Miami** – 2/26 0500 – Good in WIP null with Fox News, local traffic report, "Tom Alexander...WIOD Newsradio 610, now on 100.3 FM" station promo, back to Coast to Coast AM show. **(RA-MA)**

620 WZON ME **Bangor** – 2/23 1640 – Atop with good signal, play by play of Maine high school BKB tournament in Bangor Auditorium, WZON IDs, ad for Bangor Federal Bank. **(TF-NH)**

670 WIEZ PA **Lewistown** – 2/21 1653 – Good signal with ads for Myrtle Beach, Miller's Furniture, the US Coast Guard, Accu-Weather, local news, ID on the hour for "WIEZ, Lewistown, Huntington, and State College", into ABC news. **(TF-NH)**

680 WCTT KY **Corbin** – 3/4 2110 – Oldies/nostalgia, "your favorite memories, WCTT" slogan. On top for about 3 minutes. **(HF-MI)**

WINR NY **Binghamton** – 2/23 1646 – Way over WRKO with "Real Oldies" (format change), ad for McGuire's Volkswagen, local Binghamton news with Jim Gaglione, commercial for Matthews Chevrolet, "Total Traffic" sponsored by Toyota (is this station on auto row?), ad for an insurance company (to insure all of those new cars!), and greater Binghamton weather. **(TF-NH)**

WPTF NC **Raleigh** – 3/3 2100 – After noting several others: photography call-in, oldies/nostalgia (probably WDBC or WCTT, "Your home for the memories"), Grizzlies BKB (probably WMFS), ethnic (probably WNZK) and classical music (now, THIS one is intriguing), finally heard "WPTF Raleigh North Carolina" at ToH into CBS News. **(HF-MI)**

720 WVCC GA **Hogansville** – 3/5 0000 – Presumed; suddenly popped up out of nowhere with Fox news under WGN, mixed with *R. Progreso* Cuba. No other Fox affiliates listed among the 10 stations on this frequency. **(BC-NH)**

- 790 WAEB PA Allentown – 2/23 1659 – Good signal with ad for Advil Congestion Relief, WAEB sounder, Fox Report at 1700, "Newstalk 790, WAEB" ID, program promo for "Gunter on WAEB, where the Lehigh Valley gets its news first," local news, and into Sean Hannity. **(TF-NH)**
- 870 WWL LA New Orleans – 2/21 0050 – Fair with ads for Rosetta Stone and Marshall Bros. Lincoln-Mercury, announcer said "we are 10 minutes away from Mardi Gras," station promo as "Mardi Gras information station." **(EF-NY)**
- 890 WKNV VA Fairlawn – 2/21 1708 – Faint signal with country gospel music, promo for a program at 9:00am on 890 and 93.1, into more country gospel music, gone by 1715. **(TF-NH)**
- 900 WCPA PA Clearfield – 2/28 0508 – Briefly noted weakly under CHML with "900 WCPA" ID, oldies by the Looking Glass and the Beatles. **(RA-MA)**
- 910 WRNL VA Richmond – 3/7 1800 – Fair; "From the Sports Radio 910 studios, sponsored by... your lawyers for life, this is Sports Radio 910 WRNL AM," then gone. **(BC-NH)**
- 920 CKNX ON Wingham – 1/28 2120 – In with "AM 920 CKNX precision weather," mentioning snow conditions and local road closings, "CKNX, your information leader with sports for Midwestern Ontario" station promo. **(LW-NY)**
- 940 WMAC GA Macon – 3/8 1818 – "News-Talk 9-40 WMAC" ID, Clark Howard Show. On top but need USB due to WWJ-950 IBOC slop. Impossible in AM. **(HF-MI)**
- 950 WROC NY Rochester – 3/12 1958 – Strong groundwave over usual WWJ et al (knocked out by aurora) with "96.5 WCMF and WCMF HD-1, WROC Rochester" ID during break in action of Buffalo Sabres v. Montreal Canadiens NHL game. **(MKB-ON)**
- 960 KLTF MN Little Falls – 3/3 0817 – Poor with MN high school wrestling semi-finals, ad mentioning "Radio Shack on the East Side of Little Falls." **(JJR-MI)**
- WHYL PA Carlisle – 2/24 0050 – Fair-poor with "Slip Sliding Away" by Paul Simon, then announcer identified himself as Dennis Edwards. Played more oldies ("Donna" by Richie Valens, "Imagine" by John Lennon) up to local news and weather at 0100. If WRTH is correct, this would be 250 watts. **(EF-NY)** *WHYL's night power is only 22 watts, per NRC Log. But they were likely running their 5 kW day rig, not bothering (or allegedly forgetting) to power down. Mike.*
- 980 WTEM DC Washington – 3/4 2100 – Over WCAP; PSA about scoring a touchdown in education, "ESPN 980 WTEM Washington." **(BC-NH)**
- CFPL ON London – 3/3 0730 – Fair with "AM980.ca, this is AM980 News, I'm ... in downtown London..." local news intro, local weather, with forecast for high winds. **(JJR-MI)**
- 1000 KXRB SD Sioux Falls – 3/3 0811 – Fair with "Devil Woman" by Marty Robins, "Classic Country 1000 KXRB" slogan into another song. Gone just minutes later. Knocked off my most wanted list! After years of trying, NEW! **(JJR-MI)**
- 1060 KFIL MN Preston – 3/5 0753 – Poor with "tune to True Country KFIL for high school sports coverage..." station promo, ad for Craig's Auto Repair on Hwy. 33, C&W songs. **(JJR-MI)**
- WILB OH Canton – 3/3 0729 – Fair (no KYW) with Ohio Right to Life, EWTN Sunrise Show, Living Bread Radio. **(JJR-MI)**
- 1090 WAQE WI Rice Lake – 3/4 2015 – On late over KAAY with "Northwestern Wisconsin's sports station, Sports Talk 1090" slogan. **(JJR-MI)**
- 1100 WZFG MN Dilworth – 3/2 1906 – Poor with AM1100theFlag.com website promo, ad for 4:30pm matinee for Alvin & Chipmunks "Chipwrecked." **(JJR-MI)**
- 1120 WPRX CT Bristol – 2/23 1728 – Spanish talk, gone abruptly by 1730, presumably power drop and into night pattern. **(TF-NH)**
- 1130 WDFN MI Detroit – 2/23 1720 – In mix with regularly heard WBBR, sports talk, and "win tickets from WDFM" contest promo, weak signal, amazed that it made it this far east from the station's nine tower array, just south of Detroit. **(TF-NH)**
- 1160 KSFF IA Waukon – 3/3 0917- Poor but steady with ad for Waukon Farm & Home, promo for Waukon's St. Patrick's Day Parade. **(JJR-MI)**
- KCTO MO Cleveland – 3/4 1838 – Fair with lively SS tunes, caught "La Super X" slogan as station was fading out. **(JJR-MI)**
- 1190 WCRW VA Leesburg – 3/3 1718 – Presumed China Radio International program "Heartbeat" discussing recent cultural exchanges, particularly in the realm of classical music. Fair at first with occasional deep fades, then gradually overwhelmed by WLIB by 1728, when "Heartbeat" ended. Couldn't tell if they

had a local ID. When readable again at 1731, more CRI stuff in progress. **(BH-MA)**

- 1200 WCHB MI **Taylor** – 2/23 1734 – African American talk host, signal mixing with WXKS, Newton-Boston, in its night pattern, only station on this frequency with this format, WCHB's twelve tower array west of Detroit must have sprung a leak! **(TF-NH)**
- WRKK PA **Hughesville** – 3/4 1900 – Over/under WXKS; promo, "...on News/Talk WRAK," and promo/ID, "1400 and 1200 AM, and 94.9 FM, WRAK Williamsport, WRKK Hughesville, and W235BA Williamsport." **(BC-NH)**
- 1210 KOKK SD **Huron** – 3/3 0913 – Poor but steady with Huron Little League info at 354-XX92, NBA scores, local Sioux Falls sports. **(JJR-MI)**
- 1230 WGUY ME **Veazie** – 3/3 1858 – Fair; "Newsradio 1340 WNZS Veazie, WGUY 1230 Veazie," and 1340 WNZS jingle. **(BC-NH)**
- 1240 WIAN MI **Ishpeming** – 3/6 0906 – Poor with ABC news, Humane Society PSA, local weather, "1320 WDMJ Marquette and 1240 WIAN Ishpeming and Negaunee" ID into Glenn Beck. 1240 is heard here way more than 1320! **(JJR-MI)**
- 1250 WDVA VA **Danville** – 3/7 1900 – Fair under WGAM; Black gospel music, "WDVA Danville AM 1250" and In Touch program. New log. **(BC-NH)**
- CHSM MB **Steinbach** – 3/5 0849 – Poor with woman giving local highs and lows in extended weather forecast, "AM1250" slogan, soccer registration info mentioning 346-XXXX phone number. **(JJR-MI)**
- 1260 WRIE PA **Erie** – 3/4 2000 – Under WMKI and CKHJ; "WRIE Erie AM 1260..." and ESPN Radio Sports Center. **(BC-NH)**
- WCHV VA **Charlottesville** – 3/7 1900 – Under WMKI and unID Spanish; "WCHV AM and FM Charlottesville." New log. **(BC-NH)**
- CKHJ NB **Fredericton** – 1/29 1815 – Good signal atop frequency with C&W songs, several "Country KHJ" slogans, "Canadian Country Spotlight" program. **(LW-NY)**
- 1270 WDLA NY **Walton** – 3/12 2022 – Presumed with weather forecast "brought to you by Town Square events ... at the Oneonta Theater this Thursday night." True Oldies jingle and "playin' the hits you grew up with, it's the True Oldies channel ready to check your rock 'n' roll calendar for today, March 12." Most likely still running daytime power rather than AM Log's listed 89 after-sunset watts. **(BH-MA)**
- KNWC SD **Sioux Falls** – 3/5 0900 – Poor with ToH legal ID after talk show. WMKT-WXYT gone. **(JJR-MI)**
- WLIK TN **Newport** – 3/7 2000 – Fair; "...Tennessee and western North Carolina since 1954, this is WLIK in Newport, Tennessee" and jingle ID. **(BC-NH)**
- 1290 WHKY NC **Hickory** – 3/3 1853 – ID's as "Fox News Talk" and call ID. Ad for Gazelle.com. Good signal briefly, then gone. **(HJH-PA)**
- 1300 KGLO IA **Mason City** – 3/4 2000 – Very poor in WOOD null with ToH legal ID into CBS news and Fox sports. **(JJR-MI)**
- 1320 KOLT NE **Scottsbluff** – 3/4 1957 – Poor in WJAS/WILS null with "News-Talk 1320 KOLT" sweeper between C&W songs. **(JJR-MI)**
- 1330 WSPQ NY **Springville** – 3/3 1900 – Over/under WWRV; "The greatest music ever made, Classic Hits 1330 WSPQ." **(BC-NH)**
- 1340 WMDR ME **Augusta** – 3/5 1800 – Under WGAW and WYBC; "Encouraging Talk Radio, The Word, WMDR Augusta-Waterville." **(BC-NH)**
- 1350 WOYK PA **York** – 2/27 1832 – Briefly atop with sports news, "Sports radio 1350 WOYK" ID, ad for Heritage Chiropractic in York mentioning 840-8155 phone number. **(RA-MA)**
- 1360 WOEN NY **Olean** – 3/4 2000 – Poor with WDRC and unID oldies; "News/Talk 1360, news, talk, and weather, we are... WOEN Olean..." **(BC-NH)**
- 1370 KWTL ND **Grand Forks** – 3/2 1929 – Very poor, fighting WSPD with mention of "in downtown Grand Forks." Nothing else heard. **(JJR-MI)**
- WSPD OH **Toledo** – 3/6 1845 – Briefly atop the jumble with "Go to wspd.com and check it out now," then promo for circus coming to SeaGate Center on March 22; soon swallowed up by the mob. Nice to hear this old-timer again, if only for a few moments. **(BH-MA)**
- 1380 KAGE MN **Winona** – 3/5 0825 – Poor with "on sister station KWNO..." station promo, local MN sports, on top after not being heard all season! **(JJR-MI)**

- 1390 **WSPO** SC **Charleston** – 3/4 2100 – Fair; "This is Fox Sports 1390, WSPO Charleston, online at wsposports.com, your home for Jim Rome and Fox Sports Radio." **(BC-NH)**
- 1400 **WSTC** CT **Stamford** – 3/5 1800 – In WLLH null; WSHU pledge drive. **(BC-NH)**
WVAE ME **Biddeford** – 3/12 1820 – In WLLH null; Dr. Joy promo, "AM 1400 and 1490, Advice for Life." 3/14 1900 – "WVAE, WVAE HD Biddeford, WBAE, WBAE HD Portland," and ABC news. **(BC-NH)**
- 1420 **WACK** NY **Newark** – 3/12 2000 – In mix with WKCW; "AM 1420 WACK Newark, your hometown station." Later heard Nets basketball on WFAN network, but it might have been from another station in the mix. **(BC-NH)**
WCOJ PA **Coatesville** – 3/14 0945 – Over/under WKCW; repeating Hail Mary, 0958 EWTN promo, then ID, "This is Holy Spirit Radio, WCOJ 1420 Coatesville, and WISP 1570 AM Doylestown-Philadelphia." **(BC-NH)**
- 1430 **KBRK** SD **Brookings** – 3/5 0924 – poor with detailed weather for next 7 days, SD temperatures "at our KBRK studios..." **(JJR-MI)**
- 1470 **WSAN** PA **Allentown** – 1/29 1834 – In with several "The Fox 1470" slogans, sports talk discussing Peyton Manning situation, promo for "Moonlight Saturday" program. **(LW-NY)**
WLOA PA **Farrell** – 3/5 1900 – Over usual WNYX's liberal talk with "Maybe Baby" by Buddy Holly, semi-legal ToH ID: "another hour of songs you grew up with...940 WGRP Greenville and 1470 WFAW" into more oldies. Apparent format change; listed as REL in NRC Log. FCC still lists calls as WLOA. **(MKB-ON)** *See logging of this station in DDXD-E 79-20. Maybe they filed for a change to their old WFAW calls, but the FCC lost track of the paperwork? Mike.*
- 1480 **KKCQ** MN **Fosston** – 3/3 0719 – Poor with local ads mentioning 433-XX23.... phone number for a pharmacy with "delivery in Fosston" and "Minnesota winter is right around the corner." (Hello!), Dave Ramsey promo. **(JJR-MI)**
- 1490 **WKLQ** MI **Whitehall** – 3/2 1850 – Poor with ad mentioning "on Whitehall Rd in Muskegon," GotoMyPC.com ad into Mark Levin. **(JJR-MI)**
WCVA VA **Culpeper** – 3/4 2100 – Briefly rising above the graveyard; "1340 and 1490 with America's Best Music, WVCV Orange, WCVA Culpeper." New log. **(BC-NH)**
- 1510 **CKOT** ON **Tillsonburg** – 3/3 0754 – Poor with "Country 107-3" slogan after string of songs, then slogan SEVEN times in promo. CJDL-FM call letter ID at 0757. **(JJR-MI)**
- 1520 **WTHE** NY **Mineola** – 3/6 1755 – "WTHE Community Calendar" offering schedule of Walker Temple AME Zion Church services in Hampstead, then info on display of artwork by Freeport Elementary School kids at the town library. In a mix with blast furnace WWKB and daytimer WIZZ. **(BH-MA)**
- 1540 **WDCD** NY **Albany** – 3/5 1800 – Good; "Visit us online at hcjb.org," and ID, "The new Life 96-7, WDCD Albany, WDCD-FM and WDCD-FM HD1 Clifton Park-Albany, more stimulating talk, enlightening and transforming, next." **(BC-NH)**
- 1550 **KKLE** KS **Winfield** – 3/3 0930 – Poor, fighting WHIT with "Kansas Radon Program" PSA, ESPN radio. Only Kansas station with ESPN. NEW! **(JJR-MI)**
WCGR NY **Canandaigua** – 3/14 1900 – Fair; "...WCGR Canandaigua, the new K101-7 and K104-5, the Finger Lakes' hot country." **(BC-NH)**
- 1570 **WLKD** WI **Minocqua** – 3/5 0828 – Poor with "America's Morning News", then ads for Sports Authority, Visiting Angels, Swiss American Gold, promo for advertising on TRN Network, 1-800-Less-GAS ad, and finally "WLKD" ID into network content after 7 minutes of ads! **(JJR-MI)**
- 1580 **WVKO** OH **Columbus** – 3/3 0900 – Poor with legal ID mentioning station owner into local news. No CKDO. Not heard in a long time! **(JJR-MI)**
- 1600 **WAAM** MI **Ann Arbor** – 2/24 2248 – Very good signal with ad for City Body in Ypsilanti. ID's as "Waam." **(HJH-PA)**
- 1670 **CJEU** QC **Gatineau** – 3/4 1654 – Good; "Radio Enfant 1670 AM" slogan and children's program in French. **(BC-NH)**

GRAVEYARD DX ACHIEVEMENTS – UPDATE

1230 kHz

<u>Station</u>	<u>City</u>	<u>DXer</u>	<u>DX Location</u>	<u>Miles</u>
WSTV	NH Claremont	Kraig Krist	Manassas, VA	420

International DX Digest

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Loggings of stations outside the Lower 48 and Canada. All times UTC.

Now that *DX News* is bi-weekly and fast approaching the monthly publishing schedule, it's best to get your logs in to me by the Thursday before the columnists' deadline. Although this column is usually compiled on Friday evening, sometimes conflicting activities require submission a few hours early. If I missed you this time, don't worry as your logs will be promulgated next go 'round. Thank you for the DXcellent support!

Pan-American DX

- 530 **CUBA** *R.Enciclopedia*, Villa María MAR 2 0341 – William Tell Overture which I thought a bit too classical for *R.Enciclopedia* easy listening format, but apparently thence with Spanish announcement following amid CubaRM. MAR 7 0641 – Zero signal here from *R.Enciclopedia* or anything else. With auroral conditions, should have been enhanced if anything, and Cuba was quite audible on 670, 710, so CMBQ must have been off the air. At 0713 I can hear some weak easy listening music from the NW/SE, so maybe it is still on at reduced power? [Hauser-OK] MAR 9 0100 – Over *R.Rebelde*; ID into instrumental music. [Barstow-MA] MAR 9 0200 – Good over *R.Rebelde*; ID with theme music, "Transmite CMBQ Radio Enciclopedia desde la Habana, Cuba," and time check. [Conti-NH]
- 530 **CUBA** *R.Rebelde*, Guantánamo FEB 21 0243 – Instead of *R.Enciclopedia* easy listening music dominating the channel, it's mixed with *R.Rebelde* parallel 670 et al. ICRT has gone and ruined what was a pleasant 'clear channel' service to both sides of the Strait by putting on another transmitter. [Hauser-OK]
- 540 **CUBA** *R.Rebelde*, Sancti Spiritus MAR 10 0400 – Under WLIE; sounder, also heard on 550, 560, 600, 620, 670, 710, 770, 1140, and 1180 kHz. [Conti-NH]
- 590 **CUBA** *R.Musical Nacional*, La Julia MAR 10 0500 – Under WEZE; piano instrumental, choral national anthem, then announcement and classical harp music. [Conti-NH]
- 620 **MEXICO** XEBU Chihuahua, Chih. FEB 23 0643 – Good with norteña music and "La Norteñita" noted in jingle ID. [Dau-NE]
- 650 **CUBA** *R.Rebelde*, Santiago de Cuba MAR 10 0700 – Over/under WSRO Portuguese; organ theme music and ID. Wobbling also heard. [Conti-NH]
- 660 **MEXICO** XEEY Aguascalientes, Ags. FEB 13 0556 – Fair in null of local KCRO with a definite "La Consentida" ID heard. [Dau-NE]
- 670 **CUBA** *R.Rebelde*, multiple sites MAR 10 0805 – Heard at various times for nearly two hours during WSCR maintenance outage. Signature "Rebelde la Habana, la emisora de la revolución" heard at 1000, just two minutes before WSCR came back on. Good signal alone on frequency during the entire time. Weak het heard at times. Normally Rebelde can be heard very weak here below WSCR, but at far from a listenable level. [Dvorak-WI] MAR 10 0917 – Spanish parallel 530, 720, and 5025, mixing with unID second Spanish station. WSCR off. [Frodge-MI]
- 690 **COLOMBIA** HJ CZ *R.Recuerdos*, Bogotá MAR 10 0658 – Over *R.Progreso* Cuba; jingle, announcements, "Radio Recuerdos, 690 AM, Bogotá" and "Recuerdos en Colombia," time check on the hour and nostalgia. [Conti-NH]
- 710 **CUBA** *R.Rebelde*, multiple sites FEB 13 0530 – Good under KCMO with *R.Rebelde* programming parallel 670 kHz. [Dau-NE] MAR 8 0653 – *R.Rebelde* plays a lot of music, but during announcement I can hear an echo, as WRTH 2012 shows there are at least seven CMBA transmitters here ranging from 200 to 1 kW, with four 50's and a 25 included; the Cubans haven't mastered how to truly synchronize all this (like from a common satellite feed, duh, even to HQ transmitter in Habana), but who cares since they are really jammers to block "wacky" WAQI Miami? The echo even makes the jamming more annoying, and there's always another frequency if anyone really wants to listen to Rebelde in the clear. [Hauser-OK] MAR 10 0400 – Over WOR; at least two signals received with double sounder due to delay between stations. [Conti-NH]
- 720 **CUBA** *R.Progreso*, Mabujabo MAR 10 0500 – Good; choral national anthem, then announcement by woman, "Muy buenas noches... nosotros somos Radio Progreso... de la familia cubana..." parallel 630, 640, 650, 690, 730, 750, 810 and 880 kHz. [Conti-NH] MAR 10

- 0914-0930 – Three Spanish stations mixing, but heard ID at 0926. New. WGN off. [Frodge-MI]
- 720 **CUBA** *R.Rebelde*, unknown location MAR 10 0914-0930 – Man in Spanish with Latina musica; Venezuela travel spot. Parallel 530, 670, and 5025, but not heard on 1620 kHz. Mixing with *R.Progreso* and third Spanish station. New. WGN off. [Frodge-MI]
- 720 **MEXICO** XEDE *La Kaliente*, Saltillo, Coah. MAR 10 0811 – Good signal alone on frequency with WGN off for maintenance. Regional Mexican tunes with time checks, *La Kaliente* slogans and temperature checks (the latter played over the start of the next song) between selections. New! [Dvorak-WI]
- 730 **COLOMBIA** HJTJ *R.Uno*, Montería MAR 9 0101 – ID into talk. [Barstow-MA]
- 740 **CUBA** *R.Angulo*, Sagua de Tánamo MAR 9 0100 – On top with news. A wobbler mixing in. [Barstow-MA] MAR 10 0500 – In CFZM null; choral national anthem and wobbling. [Conti-NH]
- 740 **VENEZUELA** YVQN *R.Caroni*, Puerto Ordaz MAR 11 0330 – In good on top with news and talk then lost in the mix. [Barstow-MA]
- 750 **MEXICO** XECSI Culiacán, Sin. FEB 23 0601 – Good in WSB null with mention of "Vida 89.5 FM, XHCSI" heard in legal ID. [Dau-NE]
- 760 **COLOMBIA** HJAJ RCN Barranquilla MAR 10 0500 – Fair; time marker, "RCN la radio." [Conti-NH]
- 760 **MEXICO** unID MAR 9 0654 – Catholic stuff in Spanish. No format fit for any known U.S. station, loops NE/SW. There are four Mexicans in that direxion, most of which I have heard before, but none in IRCA or Cantú lists fitting either (however, there is a *R.María*, XEYW in Mérida, Yucatán, wrong direxion.) Maybe a nightmiddle departure from whatever usual format. At 0701 orchestral Mexican national anthem playing from same direxion SW, but not necessarily same station, too much interference at 0702 ID. [Hauser-OK]
- 770 **MEXICO** XEACH Monterrey, NL FEB 26 0720 – Heard with baladas, ID close to bottom of the hour mentioned XH but couldn't get all the call letters. Poor in partial phase of KKOB New Mexico. [Vance-TX] MAR 9 0657 – Grupo Fórmula, XERFR 970 ID from DF originator. Tuning up to 780, heard the same thing repeated 4 seconds later, also at 0716. [Hauser-OK] MAR 10 1259 – ID in progress; noted address, telephone number, mention of Grupo Fórmula, and other scraps of info; into *R.Fórmula* network program at 1300. Fair signal under KKOB. [Wilkins-CO]
- 780 **MEXICO** XEMTS Tampico, Tamps. MAR 9 0657 and 0716 – I am hearing a *R.Fórmula* network feed with frequent IDs as such, delayed 4 seconds after 770 XEACH. Cantú shows the only one on 780 is XEMTS + FM 103.9 Tampico, Tamps. 2,300 250. With auroral conditions, not much problem from WBBM, but mixed with several other signals. [Hauser-OK] MAR 10 0826 – Poor to fair with woman talking, then into *R.Fórmula* and Grupo Fórmula ID's. This was followed by an ID for 970 *R.Formula* México DF, which evidently was being relayed by this station. New! [Dvorak-WI]
- 780 **MEXICO** XEWGR Monclova, Coah. MAR 9 0700 – *Exa FM* ID, per Cantú: 780 XEWGR *Exa FM* + FM 101.1 Monclova, Coah. 10,000 250. IRCA says the old call was XEMF. [Hauser-OK]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro MAR 8 0058 – Fair; llanera music, promo, "Radio Coro 780... patrimonio de la comunidad." MAR 10 0400 – Good; Ruta Musical 780 promo, "Radio Coro, siempre en primer lugar." [Conti-NH]
- 820 **CUBA** unID MAR 10 0500 – Choral national anthem loud through WNYC and *R.Reloj*; unable to copy announcements before or after. [Conti-NH]
- 830 **DOMINICAN REPUBLIC** HIJB Santo Domingo MAR 11 0335 – ID, thanks to Arnstein Bue at *RealDX*. [Barstow-MA]
- 870 **CUBA** *R.Reloj*, multiple sites MAR 9 0200 – Good atop a delayed *R.Reloj*; "Radio Reloj, exactamente," beep, "nueve de la noche. En la año 64 de la... transmite Radio Reloj desde la Habana, Cuba." MAR 10 0500 – Good over WWL; world time checks with doorbell chime between each. [Conti-NH]
- 890 **CUBA** *R.Progreso*, Chambas FEB 21 0241 – Good in WLS null with *R.Progreso* program and ID heard. Confirmed via webstream. [Dau-NE] MAR 9 0653 – ID in passing amid music, dominant here in auroral conditions, vs. little from WLS even with CMBC nulled. No wonder: WRTH shows 890 is now 200 kW; one of three MW in Cuba that strong, the others being *R.Rebelde* on 710 and 1180, each of which also have multiple weaker transmitters on same frequency unlike 890 kHz. [Hauser-OK]
- 900 **CUBA** *R.Progreso*, San Germán MAR 6 0304 – Poor to good, light interference in auroral-like conditions. Ballads and talk, signature "Radio Progreso, la onda de la alegría" ID. New! [Dvorak-WI] MAR 9 0653 – Parallel 890, 50 kW, amid interference. [Hauser-OK]

- 900 **VENEZUELA** YVMD *R.Venezuela*, Maracaibo MAR 10 0300 – Mixing with Cuba. [Barstow-MA]
- 910 **CUBA** *R.Cadena Agramonte*, Camagüey FEB 13 0900 – Fair with definite bits of "Radio Cadena...." and "Cuba" noted in top of the hour ID. [Dau-NE]
- 940 **PUERTO RICO** WIPR *Máxima 940*, San Juan MAR 8 0100 – Fair; telephone talk, promo/ID, "Máxima en noticias, máxima en deportes... máxima en cultura, máxima en música popular... esta es WIPR en San Juan... por Máxima 940 AM" and jingle. [Conti-NH]
- 940 **VENEZUELA** YVNN *R.Punto Fijo*, Punto Fijo MAR 10 0035 – Mixing with WIPR Puerto Rico; soccer. [Barstow-MA]
- 980 **CUBA** *R.Reloj*, Moa MAR 9 2342 – Ye old minute man. [Barstow-MA]
- 990 **CUBA** *R.Guamá*, Pinar del Río MAR 10 0030 – ID into music. [Barstow-MA]
- 1000 **VENEZUELA** YVNM *R.Caribeña*, Morón MAR 10 0040 – Latin American music with Cuba under them. [Barstow-MA]
- 1060 **MEXICO** XEEP *R.Educación*, México DF MAR 10 0600 – Over/under KYW and *Radio 26* Cuba; choral national anthem. [Conti-NH] MAR 15 0201 – Poor to fair in KYW null with a series of messages followed by a woman saying "Radio Educación presenta..." Local 1070 WTSO had its IBOC off at the time, allowing me to hear this one for the first time in 4+ years. [Dvorak-WI]
- 1070 **CUBA** unID MAR 10 0459 – Poor; choral national anthem. [Conti-NH]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo MAR 11 0330 – In on top of channel with music and many *R.Globo* ID's. [Barstow-MA]
- 1120 **PUERTO RICO** WMSW Hatillo MAR 10 0039 – Mixing with WBNW. [Barstow-MA]
- 1140 **CUBA** *R.Surco*, Morón MAR 6 0100 – Good; "Esta es CMIP Radio Surco, desde Ciego de Avila, capital de la locución cubana," and *Ecos de México* music program. [Conti-NH]
- 1160 **MEXICO** XEQIN *La Voz del Valle*, San Quintín, BC MAR 13 1257 – Mexican vocal music; 1300 ID and "La Voz del Valle" slogan; man and woman chatting from 1300-1310+, with occasional PDT (UTC-7) time check; could not tell if this was news, announcements, or just chit-chat. Fair peaks under partially nulled pest KSL. [Wilkins-CO]
- 1180 **CUBA** *R.Rebelde*, multiple sites FEB 23 0702 – Faint in very tight null of local KOIL with *R.Rebelde* programming parallel 5025 kHz. [Dau-NE]
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro MAR 11 0306 – Many *R.Globo* mentions and whistle. Dominant most of the time. [Barstow-MA]
- 1280 **BRAZIL** ZYJ455 *R.Tupi*, Rio de Janeiro MAR 11 0300 – With soccer program "Sentinela da Tupi." Mixing with other stations. Thanks to Rocco Cotroneo, RJ from RealDX. [Barstow-MA]
- 1350 **MEXICO** XELBL San Luis Río Colorado, Son. FEB 20 0155 – Fading up with romantic baladas, full ID on the hour, "...en todo México onda radio, XELBL ...Radio Centro, en la ?? medios; con ocho mil wats de potencia... San Luis Río Colorado Sonora... Organizacion Impulsora de Radio," followed by some ads. In mix with KDZA Colorado, KABQ New Mexico, among others. [Vance-TX]
- 1530 **MEXICO** XESD Silao, Gto. FEB 5 0615 – Fair-poor with U.S. and Mexican dance music, "Los 40 Principales" slogans. Full ID at bottom of the hour, "Leon, Guanajuato, XESD, quince-treinta AM... diez mil wats de potencia... Boulevard Algecires quince-cero-cuatro, Colonia Lamas Arbide... Los 40 Principales." [Vance-TX]
- 1550 **MEXICO** XENU Nuevo Laredo, Tamps. FEB 26 0858 – At tune-in, "La Rancherita" ID and such music, 0900 fading for ID, but I do hear "Tamaulipas, México" mentioned, so it's surely XENU, Nuevo Laredo, the only Tamaulipan on 1550 with that slogan, listed 250 watts night. One of the extra benefits of a DX test is forcing one to log other stations as well, in this case along with KRPI inserting Morse code IDs every pentamminute for a semihour. If any other programming could be made out, it was ranchera music, but never peaked as much as at the outset, generally just a jumble of signals. Recorded while I slept with longwire antenna unfavorably east-west. [Hauser-OK] FEB 26 0915 – In with ranchera music and plenty of "La Rancherita" slogans but couldn't keep me from catching several Morse code periods from the KRPI DX test. [Vance-TX]
- 1620 **CUBA** *R.Rebelde*, La Habana and Guantánamo MAR 4 0000 – Good with synchro echo; "Rebelde la Habana, emisora de la revolución" with organ theme music, baseball coverage. [Conti-NH]
- 1620 **U.S. VIRGIN ISLANDS** WDHP Frederiksted MAR 5 0500 – Under *R.Rebelde*; canned hourly ID, "You've been listening to WDHP 1620 AM, United States Virgin Islands..." with transmitter location, etc. and radio theme song. [Conti-NH]
- 1700 **MEXICO** XEPE Tecate, BCN JAN 28 0631 – Fair with San Diego Sockers soccer and ID of "ESPN Radio 1700" ID. Confirmed via XEPE webstream, which was about 15 seconds

behind. Thanks to El Cajon DXer Stephen Airy for his help on this. [Dau-NE] FEB 25 1258 – Orchestral Mexican national anthem is playing, 1259 ESPN promos in English, "ESPN Radio 1700" no callsign ID heard, but no doubt XEPE Tecate BCN, for all intents and purposes a San Diego station for Alta California Sur, no doubt the least interesting of all border stations. [Hauser-OK]

The Great Eight

Roy Barstow, Falmouth MA; Perseus, ALA 1530+ Loop.

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, 7 x 19.5-m variable termination Split SuperLoop at 60°, 15 x 23-m variable termination north/south SuperLoop.

Rick Dau, South Omaha NE; Sangean ATS-909X barefoot.

Bill Dvorak, Madison WI; Drake R8B, Quantum QX Pro loop.

Harold Frodge, Midland MI; Drake R8B, 125-ft bow-tie, 85-ft random wire, 180-ft center-fed random wire.

Glenn Hauser, Enid OK; DX-398 with internal antenna, FRG-7 with 110-ft east-west longwire.

Robert Vance, El Paso TX; WiNRADiO G303e/PD, 12 x 9-ft unterminated corner-fed north-south loop, 25-year old Palomar Loop.

John Wilkins, Wheat Ridge CO; Drake R8, 4-foot box loop.

73 and Good DX!

Pro Sports Networks

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Network listings for professional sports play-by-play coverage

Here is Major League Baseball (MLB) flagship information for the 2012 season from my Internet searches. The URL http://mlb.mlb.com/mlb/audio/mlb_team_radio_flagships.jsp has flagship information, but it differs from what I found via Internet searches. Please send me announcer information (and corrections), as some of the web pages either did not list the announcer names or were definitely from last season (and maybe did not change for this season, but I have no way of knowing). The 2012 copyright statement on each mlb.com page is probably placed there automatically, even if the page content has not changed for the 2012 season.

In some cases I was not sure that the network list was for the 2012 season, as many lists were undated. If I found a list that had no definite 2012 date but differed from the list I found last year, then I treated the list as one for the 2012 season.

Note that if a station streams its broadcasts over the Internet, I believe that the station cannot stream the baseball broadcasts because the Major League Baseball organization wants listeners to get a paid subscription via mlb.com.

On the mlb.com site for some teams, the announcers are listed under the "ROSTER" tab.

It is now time to begin collecting Minor League Baseball information; please send me what you can find. Thanks.

Arizona Diamondbacks	620 KTAR-AZ (EE)	*Greg Schulte, Tom Candiotti
	1400 KSUN-AZ (SS)	*Miguel Quintana, Oscar Ochoa
Atlanta Braves	680 WCNN-GA (EE)	Jim Powell, Don Sutton
	93.7 WCNN-GA	
	100.5 WNWX-GA	
	1600 WAOS-GA (SS)	Raul Seanz, Fernando Placios
Baltimore Orioles	1090 WBAL-MD	*Joe Angel, Fred Manfra
Boston Red Sox	850 WEEI-MA (EE)	Joe Castiglione, Dave O'Brien, Jon Rish
	1150 WWDJ-MA (SS)	Uri Berenguer, Juan Oscar Baez
Chicago Cubs	720 WGN-IL	Pat Hughes, Keith Morrison
	1200 WRTO-IL (SS)m	Oscar Ramos, Hector Febregas
Chicago White Sox	670 WSCR-IL (EE)	Ed Farmer, Daren Jackson
	1200 WRTO-IL (SS)	*Hector Molina, Ozzie Guillen Jr,
Cincinnati Reds	700 WLW-OH	Marty Brennaman, Thom Brennaman, Jeff Brantley

Cleveland Indians	1100	WTAM-OH	e	Tom Hamilton, Mike Hegan
	100.7	WMMS-OH	e	
Colorado Rockies	850	KOA -CO	(EE)	Jerry Schemmel, Jack Corrigan
Colorado Rockies	1090	KMXA-CO	(SS) a	Tony Guevara
Detroit Tigers	1270	WXYT-MI	b	Jim Price, Dan Dickerson
	97.1	WXYT-MI	b	
Houston Astros	740	KTRH-TX	(EE)	Brett Dolan, Dave Raymond, Milo Hamilton (h)
	1010	KLAT-TX	(SS)	*Alex Trevino, Francisco Romero
Kansas City Royals	610	KCSP-MO		Denny Matthews, Bob Davis, Steve Stewart
Los Angeles Angels	830	KLAA-CA	(EE)	*Terry Smith
	1330	KWKW-CA	(SS)	*Jose Mota
Los Angeles Dodgers	790	KABC-CA	(EE)	Vin Scully (c), Rick Monday, Charley Steiner
	930	KHJ-CA	(SS)	Jaime Jarrin, Pepe Ynguez, Fernando Valenzuela
Miami Marlins	790	WAXY-FL	(EE)	Dave Van Horne, Glenn Geffner
	710	WAQI-FL	(SS)	Rafael "Felo" Ramirez, Luis "Yiky" Quintana
Milwaukee Brewers	620	WTMJ-WI		Bob Uecker, Joe Block, Kent Sommerfield
	1580	WTTN-WI		Andy Olivares
Minnesota Twins	1500	KSTP-MN	(EE)	Dan Gladden, Kris Atteberry, Cory Provus, Bert Blyleven, Dick Bremer
	1400	KMNV-MN	(SS)	*Alfonso Fernandez, Tony Oliva
	1470	KMNV-MS	(SS)	
New York Mets	660	WFAN-NY	(EE)	Howie Rose, Josh Levin, Ed Coleman
	92.7	WQBY-NY	(SS)	Juan Alicea, Max Perez Jiminez
New York Yankees	880	WCBS-NY		*John Sterling, Suzyn Waldman
Oakland Athletics	95.7	KBWF-CA		Ken Korach, Vince Cotroneo, Ray Fosse
Philadelphia Phillies	1210	WPHT-PA	(EE)	Scott Franzke, Larry Andersen, Jim Jackson, Gary Matthews
	1480	WUBA-PA	(SS)	*B. Kiliik, Danny Martinez
Pittsburgh Pirates	93.7	KDKA-PA		Greg Brown, Steve Blass, John Wehner
Saint Louis Cardinals	1120	KMOX-MO		John Rooney, Mike Shannon
San Diego Padres	1090	XPRS-BC	(EE) t	Jerry Coleman, Ted Leitner, Andy Masur
	860	XEMO-BC	(SS) r	Ed Ortega, Juan Angel Avila
San Francisco Giants	680	KNBR-CA	(EE)	Jon Miller, Dave Flemming, Duane Kuiper
	1010	KIQI-CA	(SS)	Erwin Higueros, Tito Fuentes
Seattle Mariners	710	KIRO-WA		Rick Rizzs, Dave Simms
Tampa Bay Rays	620	WDAE-FL	(EE)	Andy Freed, Dave Wills, Neil Solondz
	680	WGES-FL	(SS)	Enrique Oliu, Ricardo Taveras
Texas Rangers	103.3	KESN-TX	(EE)	Eric Nadel, Dave Barnett
	660	KSKY-TX	c	
	92.9	KSKY-TX	c	
	95.5	KSKY-TX	c	
	99.9	KSKY-TX	c	
	1540	KZMP-TX	(SS)	Eleno Ornelas, Jerry Romo
Toronto Blue Jays	590	CJCL-ON		Jerry Howarth, Alan Ashby, Mike Wilner
Washington Nationals	106.7	WJFK-DC		Charley Slowes, Dave Jageler

* - Announcers from 2011.

Here are the radio network lists for all of the teams. Even if the web site does not state it (and I do not include it below), each network list is subject to change throughout the season.

Arizona Diamondbacks (EE) 2012 *Greg Schulte, Tom Candiotti

<http://arizona.diamondbacks.mlb.com/ari/schedule/affiliates.jsp> (03/02/2012)

600	KVNA-AZ	990	KSVP-NM	1250	KHIL-AZ	92.1	KZUA-AZ g
620	<u>KTAR-AZ</u>	1050	KTBL-NM	1340	KIKO-AZ	94.3	KDDL-AZ
780	KAZM-AZ	1130	KQNA-AZ	1380	KHEY-TX	95.1	KZKE-AZ
920	KNML-NM	1230	KATO-AZ	1400	KJOK-AZ	97.7	KPSA-NM
950	KNFT-NM		KRSY-NM	1490	KFFN-AZ		
980	KNTR-AZ						i

Arizona Diamondbacks (SS) 2012 *Miguel Quintana, Oscar Ochoa

<http://arizona.diamondbacks.mlb.com/ari/schedule/affiliates.jsp> (03/02/2012)

990	KTKT-AZ	1400	<u>KSUN-AZ</u>	1540	XEHOS-SO
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Atlanta Braves (EE) 2012 Jim Powell, Don Sutton

Atlanta Braves (SS) 2012 Raul Seanz, Fernando Placios

<http://atlanta.braves.mlb.com/atl/schedule/affiliates.jsp> (02/27/2012)

580	WGAC-GA	1240	WGGA-GA	1490	WKUN-GA	100.5	<u>WNNX-GA</u>
590	WCAB-NC		WLAG-GA		WSNT-GA		WGNS-TN
600	WCVP-NC		WPAX-GA		WAZZ-NC	101.1	WACQ-AL
630	WJDB-AL	1270	WLIK-TN		WSTP-NC		WLJA-GA
	WNEG-GA	1300	WMTM-GA		WSVM-NC		WTGA-GA
640	WXSM-TN	1310	WHEP-AL		WJMM-TN	101.3	WCVP-GA
680	<u>WCNN-GA</u>		WISE-NC	1570	WCLE-TN	101.7	WJTH-GA
	WRGC-NC	1320	WGOC-TN	1580	WPGY-GA		WYUM-GA
730	WUMP-AL	1330	WLBB-GA	1590	WTGA-GA	102.1	WZAT-GA
	WZGV-NC	1340	WALH-GA		WCAM-SC	102.3	WKZR-GA
	WLIL-TN		WGAU-GA	1600	WFIS-SC	102.7	WCNG-NC
740	WMSP-AL		WTIF-GA	1630	WRDW-GA		WPUB-SC
790	WSFN-GA	1350	WFNS-GA			103.3	WSNW-SC
800	WJAT-GA	1360	WELR-AL	92.1	WKUL-AL	103.5	WBCU-SC
850	WPTB-GA	1370	WGHC-GA		WBTR-GA	103.7	WSFN-GA
860	WDMG-GA		WLOP-GA		WPEH-GA	103.9	WUMP-AL
900	WJTH-GA		WDEF-TN	92.5	WHEP-AL		WDDK-GA
910	WMRB-TN	1390	WOHS-NC	93.1	WGAC-GA	104.1	WCLE-TN
930	WSFZ-MS	1400	WSPG-SC	93.5	WVOH-GA	104.5	WYYU-GA
950	WNZZ-AL		WJZM-TN	93.7	<u>WCNN-GA</u>	104.7	WAAZ-FL
	WHSY-MS	1410	WLAQ-GA		WALI-SC	104.9	WCCP-SC
960	WRFC-GA	1420	WKWN-GA	93.9	WYTK-AL	105.1	WMTM-GA
970	WVOP-GA		WRCG-GA	95.1	WCDZ-TN	105.3	WSGC-GA
	WYSE-NC	1440	WGVL-SC	95.5	WJDB-AL	105.5	WIFO-GA
990	WEIS-AL	1450	WBHF-GA	95.9	WTWX-AL		WROK-GA
1050	WJSB-FL		WCON-GA		WSJZ-FL		WFIS-SC
	WFSC-NC		WGPC-GA	96.1	WJEM-GA	106.1	WKWN-GA
1080	WHOO-FL B		WKEU-GA	96.9	WLAG-GA	106.3	WKNU-AL
1130	WACQ-AL		WMVG-GA	97.1	WSPG-SC		WGMK-GA
	<u>WLBA-GA S</u>		WGNC-NC	97.5	WNGM-GA		WPFT-TN
1150	WJEM-GA		WQNT-SC	98.7	WISK-GA	106.9	WRCG-GA
	WSNW-SC		WGNS-TN	99.3	WCON-GA	107.5	WTIF-GA
1230	WAUD-AL	1460	WBCU-SC	99.9	WNNG-GA	107.9	WDBN-GA
	WBLJ-GA	1470	WCLA-GA		WSNT-GA		
	WNGM-GA			100.1	WEIS-AL		

Baltimore Orioles 2012 *Joe Angel, Fred Manfra

<http://baltimore.orioles.mlb.com/bal/schedule/affiliates.jsp> (03/02/2012)

560	WFRB-MD	1000	WIOO-PA		WEPM-WV	1590	WQMR-MD
570	WSPZ-MD	1050	WBRG-VA	1400	WKAV-VA G	1690	WPTX-MD
730	WXTR-VA		WAMN-WV	1430	WNAV-MD		
790	WSVG-VA	1090	<u>WBAL-MD</u>		WKEX-VA	92.5	WICO-MD
900	WCBX-VA	1160	WODY-VA	1450	WTBO-MD	92.7	WWXT-MD
	WKDW-VA	1250	WGHB-NC		WTHU-MD	93.9	WEEO-PA
910	WSBA-PA	1280	WHVR-PA	1470	WTTR-MD	94.1	WVSP-VA
930	WDLX-NC	1290	WWTX-DE	1480	WEEO-PA	94.3	WWXX-VA
970	WKCI-VA	1300	WKCY-VA	1490	WARK-MD	97.9	WIOO-PA
980	WTEM-DC	1320	WICO-MD	1530	WCTR-MD	104.3	WQMR-MD
990	WLEE-VA	1340	WHAP-VA	1550	WMRE-WV	104.5	WBRG-VA G

Boston Red Sox (EE) 2012 Joe Castiglione, Dave O'Brien, Jon Rish

Boston Red Sox (SS) 2012 Uri Berenguer, Juan Oscar Baez

<http://www.weei.com/weei/shows-schedules/red-sox-radio-network> (02/27/2012)

550	WDEV-VT	900	WGHM-NH	1220	WQUN-CT	1250	WGAM-NH
560	WCKL-NY	930	WIZR-NY	1230	WNAW-MA	1280	WPKZ-MA
620	WZON-ME	960	WSVU-VT		WJOY-VT		WFAU-ME
770	WWCN-FL A	1010	WCNL-NH	1240	WHMQ-MA	1290	WKBK-NH
830	WCRN-MA	1080	WTIC-CT		WSYY-ME	1300	WPNH-NH
850	<u>WEEL-MA</u>	1200	WTLA-NY		WFTN-NH	1320	WTSJ-VT

1340	KVRH-CO		WVSA-VT		97.5	WIGY-ME	
	WSTJ-VT	1440	WVEI-MA	92.7	WQDY-ME	97.7	WTLA-NY
1350	WINY-CT		WSGO-NY	93.3	KJAX-WY	99.3	WKTJ-ME
1370	WDEA-ME	1450	WRKD-ME	93.9	WLVB-VT	99.7	WNTK-NH
	WBTN-VT	1480	WSAR-MA		WMXR-VT	100.1	WHOU-ME
1380	WSYB-VT		WCFR-NH	95.1	WXTK-MA		WSGO-NY
1390	WEGP-ME	1490	WGCH-CT	95.3	WALZ-ME	100.7	WTBM-ME
1400	WILI-CT		WMRC-MA	95.5	WLOB-ME	103.1	WDME-ME
	WHMP-MA		WEMJ-NH	95.9	WPEI-ME	103.7	WKNE-NH
	WTSL-NH		WFAD-VT	96.1	WDEV-VT		WEEI-RI
1420	WBEC-MA		WIKE-VT	96.3	WEII-MA	104.9	WBOQ-MA
	WBSM-MA		WKVT-VT		WJJB-ME	105.5	WVEI-MA
	WASR-NH	1510	<u>WWZN-MA</u> S	96.7	WQSO-NH	107.7	WTPL-NH

Chicago Cubs 2012 Pat Hughes, Keith Morrison

Chicago Cubs (SS) 2012 Oscar Ramos, Hector Febregas

<http://www.tribuneradio.com/cubsaffiliates.htm> (03/05/2012)

http://chicago.cubs.mlb.com/news/article.jsp?ymd=20120302&content_id=26952002&vkey=pr_chc&c_id=chc (03/08/2012) Updated March 4, 2012

660	WBHR-MN	1300	WBZQ-IN	1480	KLEE-IA		
720	<u>WGN-IL</u>	1330	WRAM-IL		WRSW-IN	92.5	WKXQ-IL
800	KXIC-IA	1340	KSEK-KS	1490	WDBQ-IA	94.3	WSSQ-IL
910	WAKO-IL	1350	KRNT-IA	1510	WQQW-IL	98.9	WISH-IL
920	WMOK-IL	1380	KCIM-IA	1540	WBNL-IN		WJEZ-IL
1050	WDZ -IL	1400	KADR-IA	1550	KIWA-IA	103.1	WAKO-IL
1150	KCPS-IA C		WBAT-IN	1570	KMCD-IA	104.9	WAXI-IN
1170	KJOC-IA	1440	WGEM-IL C		KVTK-SD	105.3	KNOD-IA
1180	KOIL-NE		WIBH-IL	1580	WDQN-IL	105.9	WGKC-IL
1200	<u>WRTO-IL</u> SC	1450	WFMB-IL	1590	KWBG-IA		
1290	WIRL-IL		WASK-IN	1650	KCNZ-IA I		
	KOZN-NE		WMVA-VA	1660	WQLR-MI		

Chicago White Sox (EE) 2012 Ed Farmer, Daren Jackson

Chicago White Sox (SS) 2012 -Hector Molina, Ozzie Guillen Jr,

http://chicago.whitesox.mlb.com/NASApp/mlb/cws/schedule/radio_affiliates.jsp (02/27/2012)

Via David R. Alpert

670	<u>WSCR-IL</u>	1240	WSDR-IL	1490	WZOE-IL	92.7	WKIF-IL
880	WINU-IL	1250	WSPL-IL	1510	KMRF-MO	93.9	WCEZ-IL
1060	WRHL-IL	1360	WLBK-IL	1580	WBCP-IL	95.9	WKUZ-IN
1150	KCPS-IA C	1430	WCMY-IL	1590	WAIK-IL	97.7	WLQI-IN
1200	<u>WRTO-IL</u> SC	1440	WGEM-IL C	1600	KGYM-IA	101.3	WVIL-IL
1230	WHCO-IL D		WROK-IL			107.7	WMRS-IN

Cincinnati Reds 2012 Marty Brennaman, Thom Brennaman, Jeff Brantley

http://cincinnati.reds.mlb.com/cin/schedule/redsradio_affiliates.jsp (02/27/2012)

580	WCHS-WV		WPKE-KY		WBTH-WV		WSWW-WV
600	WKYH-KY		WSFC-KY	1410	WING-OH	1510	WLGK-OH
680	WHBE-KY		WHIZ-OH	1420	WTCR-WV	1550	WCVL-IN
700	<u>WLW-OH</u>	1250	WCHO-OH	1430	WXAM-KY		WNDI-IN
800	WVHU-WV	1260	WNXT-OH		WFOB-OH H	1580	WAMW-IN
870	WPWT-TN	1270	WXGO-IN	1440	WPGW-IN	1600	WZZW-WV
900	WLSI-KY		WAIN-KY	1450	WBSR-FL		
920	WTCW-KY		WILE-OH		WLKS-KY	93.5	WAIN-KY
950	WXLW-IN	1290	WVOW-WV		WWKU-KY	94.3	WKKI-OH
970	WATH-OH	1330	WMOR-KY		WWXL-KY	95.3	WNDI-IN
990	WTIG-OH	1340	WXFN-IN		WHNK-WV	95.9	WAMW-IN
1150	WLOC-KY	1360	WMOV-WV	1460	WJCP-IN		WFDM-IN
	WIMA-OH	1370	WGCL-IN		WEKB-KY		WGCL-IN
1230	WCDS-KY		WGOH-KY	1490	WKBV-IN		WLSI-KY
	WIRO-OH	1390	WMPO-OH		WKYW-KY	96.7	WBVI-OH
	WYTS-OH	1400	WCYN-KY		WBEX-OH	97.1	WMPO-OH
1240	WFTM-KY		WFTG-KY		WMOA-OH	98.1	WPKE-KY

99.1	WHSX-KY	101.5	WVLK-KY	WLKS-KY	107.1	WLRX-OH	
100.1	WMDJ-KY	101.9	WVOW-WV	103.9	WRBI-IN	107.3	WTHX-KY
100.5	WSJD-IN L	102.3	WCYN-KY	104.5	WSWW-WV	107.9	WILE-OH
100.7	WPWT-TN		WUGO-KY	105.5	WMVR-OH		
100.9	WPGW-IN	102.9	WXFN-IN	106.5	WMOV-WV		

Cleveland Indians 2012 Tom Hamilton, Mike Hegan

http://cleveland.indians.mlb.com/cle/schedule/radio_affiliates.jsp (03/11/2012)

570	WKBN-OH	1330	WFIN-OH	1480	WHBC-OH	95.3	WLKR-OH
930	WEOL-OH	1370	WSPD-OH	1490	WMRN-OH	100.7	<u>WMMS-OH</u> e
970	WFUN-OH	1390	WBLL-OH	1540	WBTC-OH	100.9	WBNO-OH
1100	<u>WTAM-OH</u>	1400	WMAN-OH	1590	WAKR-OH		WJAW-OH
1260	WRIE-PA	1430	WCLT-OH			104.5	WQKT-OH
1270	WUCO-OH		WFOB-OH H	92.7	WQEL-OH	107.1	WDOH-OH
1300	WMVO-OH	1450	WLEC-OH	93.1	WWSR-OH		
1320	WLOH-OH	1460	WBKC-OH	93.5	WBNV-OH		

Colorado Rockies (EE) 2012 Jerry Schemmel, Jack Corrigan

Colorado Rockies (SS) 2012 Tony Guevara

http://colorado.rockies.mlb.com/NASApp/mlb/col/schedule/col_schedule_tv_radio_affiliates.jsp (02/27/2012)

590	KCSJ-CO	1240	KASL-WY	1410	KWYO-WY	92.7	KIQZ-WY
610	KCSR-NE		KRAL-WY	1450	KBFS-SD	93.7	KSBV-CO
730	KLOE-KS	1260	KPOW-WY		KBBS-WY	96.5	KDZN-KS
850	<u>KOA-CO</u>	1290	KOWB-WY		KVOW-WY	100.1	KMMR-KS
930	KIUP-CO	1300	KCSF-CO	1470	KKTY-WY	101.7	KDNO-WY
960	KNEB-NE	1340	KTMM-CO	1490	KBSR-KS	102.3	KSPK-CO
1010	KSIR-CO		KWOR-WY		KGOS-WY	103.1	KYDT-WY
1090	<u>KMXA-CO</u> S		KYCN-WY		KUGR-WY	106.1	KNFO-CO
1230	KHDN-KS	1400	KBCK-KS			107.3	KOAX-WY
			KCOW-NE				

Detroit Tigers 2012 Jim Price, Dan Dickerson

<http://detroit.tigers.mlb.com/NASApp/mlb/det/schedule/radioaffiliates.jsp> (02/29/2012)

590	WKZO-MI		<u>WXYT-MI</u>		WIBM-MI	96.1	WMTR-MI
730	WVFN-MI	1310	WCCW-MI		WNBY-MI	97.1	<u>WXYT-MI</u>
790	WSGW-MI	1320	WDMJ-MI	1460	WBRN-MI	97.7	WTGV-MI
930	WBCK-MI	1330	WTRX-MI	1470	WLQR-MI	98.3	WLCS-MI
1050	WTKA-MI	1340	WCSR-MI			100.3	WLKI-MI
1230	WBET-MI	1380	WPHM-MI	93.7	WKAD-MI	107.3	WBBL-MI
	WSOO-MI	1400	WCCY-MI	93.9	WAVC-MI		
1270	WMKT-MI	1450	WHTC-MI	94.5	WLJZ-MI		

Houston Astros (EE) 2012 Brett Dolan, Dave Raymond, Milo Hamilton (h)

Houston Astros (SS) 2012 *Alex Trevino, Francisco Romero

http://houston.astros.mlb.com/hou/schedule/radio_affiliates.jsp (03/05/2012) As of 03/01/2012.

740	<u>KTRH-TX</u>		KVLF-TX f		KVNN-TX f	1590	KGAS-TX
910	KNAF-TX	1260	KSML-TX	1400	KBYG-TX	1600	KOGT-TX
1010	KBBW-TX	1280	KWHI-TX		KTEM-TX		
	<u>KLAT-TX</u> S	1290	KIVY-TX	1420	KJDL-TX	92.5	KRPT-TX
1150	KZNE-TX	1300	KSYB-LA E	1440	KETX-TX	98.3	KULM-TX
1220	KSOX-TX		KVET-TX	1450	KMHT-TX	103.9	KMHT-TX E
1230	KSIX-TX	1310	KEZM-LA	1470	KWRD-TX		
1240	KASO-LA E	1340	KNAL-TX f	1560	WSLA-LA		

Kansas City Royals 2012 Denny Matthews, Bob Davis, Steve Stewart

http://kansascity.royals.mlb.com/NASApp/mlb/kc/schedule/radio_affiliates.jsp (03/08/2012)

Via Jefferson Lewis

560	KWTO-MO	680	KFEQ-MO	960	KMA-IA	1150	KSAL-KS
580	WIBW-KS	690	KGGF-KS	990	KRSL-KS	1190	KSVS-KS
610	KARV-AR	790	KXXX-KS		KRMO-MO	1240	KFH-KS
	<u>KCSP-MO</u>	860	KKOW-KS	1130	KLEY-KS		KIUL-KS

	KLIC-MO	1390	KNCK-KS	1510	KIFG-IA	95.3	KIFG-IA
1280	KDKD-MO	1400	KAYS-KS	1530	KQNK-KS		KINZ-KS
1290	KUOA-AR		KVOE-KS	1540	KLKC-KS	95.9	KNIM-MO
1300	KMMO-MO	1420	KJCK-KS	1550	KKLE-KS	96.7	KBBE-KS
	KBRL-NE		KULY-KS	1560	KABI-KS	97.9	KUOA-AR
1310	KYUL-KS		KRLL-MO	1580	KNIM-MO	100.1	KKWK-MO
	KGMT-NE	1430	KKOZ-MO	1590	KBJT-AR	100.9	KHOM-MO
	KICS-NE	1440	KRDZ-CO	1600	KMDO-KS	101.3	KARV-AR
1320	KLWN-KS	1450	KWBW-KS		KTTN-MO	102.9	KMMO-MO
1340	KGGS-KS		KOKO-MO			103.9	KOMB-KS
1350	KMAN-KS		KYNT-SD	92.1	KKOZ-MO	106.7	KQNK-KS
1370	KGNO-KS	1460	KXPB-NE	92.7	KASR-AR J		
	KIOL-KS	1470	KMMM-KS	93.7	KNTK-NE		
	KAWL-NE		KSMO-KS	94.5	KLIQ-NE		

Los Angeles Angels Skyview Networks (EE) 2012 *Terry Smith

Los Angeles Angels (SS) 2012 *Jose Mota

http://losangeles.angels.mlb.com/ana/schedule/radio_affiliates.jsp (02/29/2012)

710	<u>KSPN-CA</u>	1240	KLOA-CA	1450	KGAM-CA	98.9	XMOR-CA
970	KHTY-CA	1330	<u>KWKW-CA</u> S	1520	KVTA-CA	103.1	KVFG-CA
1230	KELY-CA	1400	KKZZ-CA				

Los Angeles Dodgers (EE) 2012 Vin Scully (c), Rick Monday, Charley Steiner

http://losangeles.dodgers.mlb.com/NASApp/mlb/la/schedule/radio_network.jsp (02/29/2012)

560	WNSR-TN s	1220	KHTS-CA	KYNS-CA	1520	KRHW-MO s	
600	KROD-TX s	1230	KBOV-CA	WSTA-VI s	1560	KNZR-CA	
610	KAVL-CA		KYVA-NM	1400	KEZL-CA	1570	KPRO-CA
790	<u>KABC-CA</u>	1300	KROP-CA	1440	WVMC-IL		
920	KPSI-CA	1340	KCBL-CA	1450	KVEN-CA	100.5	WSJD-IN sL
940	KICE-OR s		KWDJ-CA	1490	KMET-CA	101.7	KQTM-CA

Los Angeles Dodgers (SS) 2012 Jaime Jarrin, Pepe Ynguez, Fernando Valenzuela

http://losangeles.dodgers.mlb.com/NASApp/mlb/la/schedule/radio_network.jsp (02/29/2012)

620	XESS-CA	930	KHJ CA	1270	KFUT-CA		
910	KOXR-CA	1020	KTNQ-CA	1410	KSBQ-CA	96.1	KSLK-CA

Miami Marlins (EE) 2012 Dave Van Horne, Glenn Geffner

Miami Marlins (SS) 2012 Rafael "Felo" Ramirez, Luis "Yiky" Quintana

http://miami.marlin.mlb.com/mia/schedule/shows_partners.jsp (03/12/2012)

710	<u>WAQI-FL</u> S	790	<u>WAXY-FL</u>	1300	WFFG-FL	1480	WFLN-FL F
760	WEFL-FL	900	WSWN-FL	1380	WELE-FL F	1600	WKWF-FL
770	WWCN-FL A	1060	WIXC-FL	1450	WSTU-FL		

Milwaukee Brewers 2012 Bob Uecker, Joe Block, Kent Sommerfield

http://milwaukee.brewers.mlb.com/NASApp/mlb/mil/schedule/radio_network.jsp (02/29/2012)

550	WSAU-WI	1240	WJMC-WI	1450	KFIZ-WI	94.3	WQPC-WI
570	WMAM-WI		WOMT-WI		WRCO-WI	97.5	WTAQ-WI
580	WKTY-WI	1260	WXCE-WI	1490	WIGM-WI	98.3	WCQM-WI
590	WJMS-MI	1280	WGLR-WI	1550	WEVR-WI	99.7	WWIS-WI
620	<u>WTMJ-WI</u>	1310	WIBA-WI	1590	WPVL-WI	99.9	WSAU-WI
940	WFAW-WI	1330	WHBL-WI			100.7	WOBE-MI
960	WTCH-WI	1350	WPDR-WI	92.3	WRLS-WI	106.1	WACD-WI
1100	WISS-WI	1360	WTAQ-WI	92.7	WDUX-WI	106.3	WEVR-WI
1150	WHBY-WI	1400	WRDB-WI	93.7	WCYE-WI	106.7	WATQ-WI
1230	WCLO-WI	1430	WBEV-WI	93.9	WDOR-WI	107.3	WNXR-WI

Minnesota Twins Treasure Island Baseball Network (EE) 2012 Dan Gladden, Kris Atteberry, Cory Provus, Bert Blyleven, Dick Bremer

Minnesota Twins (SS) 2012 *Alfonso Fernandez, Tony Oliva

http://minnesota.twins.mlb.com/NASApp/mlb/min/schedule/radio_affiliates.jsp (02/29/2012)

Most affiliates will carry all 162 regular season game broadcasts.

570	WNAX-SD	610	KDAL-MN	620	KMNS-IA	710	KXMR-ND
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730	KWOA-MN		KDLR-ND	1410	KRWB-MN	94.3	KDOM-MN
790	KFGO-ND	1250	KDNZ-IA	1420	KTOE-MN		KKIN-MN
860	KNUJ-MN	1260	KDUZ-MN	1430	KNSP-MN		KULO-MN
870	KPRM-MN		KROX-MN	1450	KATE-MN	94.5	WELY-MN
910	KCJB-ND	1290	KBMO-MN		KBUN-MN	94.9	KLCH-MN
920	KDHL-MN	1300	KGLO-IA		KBMW-ND	95.1	KCZE-IA
	KWAD-MN	1310	KGLB-MN	1470	<u>KMNV-MN</u> S	95.5	KRKI-SD
930	KSDN-SD		KNOX-ND	1480	KAUS-MN	96.7	KKCQ-MN
950	KWAT-SD	1320	KOZY-MN	1490	KNDC-ND	97.3	KRVY-MN
1020	KJJK-MN	1340	KDLM-MN		KOVC-ND	100.9	WCMP-MN
1060	KGFX-SD		KROC-MN	1500	<u>KSTP-MN</u>	103.1	KFIL-MN
1080	KYMN-MN	1350	KCHK-MN	1570	KAKK-MN	104.1	KSDM-MN
1140	KSOO-SD		KDIO-MN	1580	KDOM-MN	104.9	WLMX-WI
1210	KOKK-SD	1360	KRWC-MN	1590	KDJS-MN	105.5	KMGM-MN
1220	KDDR-ND	1380	KLIZ-MN		WIXK-WI	105.9	KWNG-MN
1230	KMRS-MN	1390	KRFO-MN	1600	KDAK-ND	106.9	KARP-MN
	KTRF-MN	1400	KEYL-MN	1650	KCNZ-IA I		WMOZ-MN
	KWNO-MN		KMHL-MN	1700	KBGG-IA	107.1	KMGK-MN
1240	KICD-IA		<u>KMNV-MN</u> S			107.3	KNUJ-MN
	WJON-MN		KQDJ-ND	92.1	WYRQ-MN		
	WMFG-MN		WBIZ-WI	93.9	KKRC-MN		

New York Mets (EE) 2012 Howie Rose, Josh Levin, Ed Coleman

New York Mets (SS) 2012 Juan Alicea, Max Perez Jiminez

http://newyork.mets.mlb.com/nym/schedule/broadcast_info.jsp (02/29/2012)

I found no evidence of a network.

660 WFAN-NY

92.7 WQBU-NY S

New York Yankees 2012 *John Sterling, Suzyn Waldman

<http://newyork.cbslocal.com/yankeesradionetwork/> (03/08/2012)

http://newyork.yankees.mlb.com/nyy/schedule/radio_affiliates.jsp (has the 2011 list)

570	WSYR-NY	1160	WPIE-NY		WWPA-PA	1550	WTTC-PA
600	WICC-CT	1180	WHAM-NY	1350	WRNY-NY		
620	WVMT-VT	1230	WECK-NY	1380	WABH-NY	92.7	KASR-AR J
630	WMFD-NC		WIXT-NY	1400	WSLB-NY	94.3	WKXP-NY
640	WMEN-FL	1240	WWCO-CT	1410	WPOP-CT	94.5	WDVT-VT
770	WWCN-FL A		WJTN-NY I		WELM-NY	96.7	WTSX-NY
790	WPRV-RI	1270	WTSN-NH		WNER-NY	97.3	WZAD-NY
800	WLAD-CT	1280	WHTK-NY	1420	WACK-NY	97.7	KOTM-IA K
880	<u>WCBS-NY</u>	1300	WAVZ-CT	1430	WENE-NY	101.1	WCBS-NY
920	KBAD-NV	1310	WTLB-NY	1450	WHLL-MA	103.1	WJGK-NY
1040	WHBO-FL p	1340	WBRK-MA		WSNO-VT	104.5	WTMM-NY
1080	KUDO-AK		WENT-NY		WTSV-VT	106.9	WSYR-NY
1100	KWWN-NV		WIRY-NY	1460	KENO-NV Sq	107.1	WWYY-NJ

Oakland Athletics 2012 Ken Korach, Vince Cotroneo, Ray Fosse

<http://oakland.athletics.mlb.com/oak/schedule/affiliates.jsp> (02/29/2012)

950	KAHI-CA	1340	KATA-CA	1670	KNRO-CA	105.5	KSAC-CA nw
970	KESP-CA	1440	KVON-CA				
1240	KPOD-CA	1490	KBLF-CA nw	95.7	<u>KBWF-CA</u>		
1270	KXBX-CA		KRKC-CA	102.3	KCWH-CA		

Philadelphia Phillies (EE) 2012 Scott Franzke, Larry Andersen, Jim Jackson, Gary Matthews

http://phillies.mlb.com/phi/schedule/radio_network.jsp (02/29/2012)

630	WEJL-PA		WBPZ-PA	1360	WPPA-PA	1490	WBCB-PA
830	WEEU-PA	1240	WBAX-PA	1400	WHGB-PA		
930	WHLM-PA		WYGL-PA		WRAK-PA	93.1	WEZW-NJ
1150	WDEL-DE	1270	WLBR-PA	1440	WGLD-PA	95.3	WHGB-PA
1210	WPHT-PA	1320	WGET-PA		WNPV-PA		
1230	WCMC-NJ	1340	WMID-NJ	1470	WSAN-PA		

Philadelphia Phillies (SS) 2012 *B. Kiliik, Danny Martinez

http://phillies.mlb.com/phi/schedule/radio_network.jsp (02/29/2012)

1450 WENJ-NJ 1480 WUBA-PA

Pittsburgh Pirates 2012 Greg Brown, Steve Blass, John Wehner

http://pittsburgh.pirates.mlb.com/NASApp/mlb/pit/schedule/radio_network.jsp (03/11/2012)

590	WMBS-PA		WTIV-PA		WBBD-WV	1490	WESB-PA
600	WFRM-PA	1270	WCBC-MD	1420	WCED-PA		WMGW-PA
630	WJAW-WV	1280	WJST-PA	1430	WEIR-WV		WTCS-WV
680	WISR-PA	1290	WFBG-PA	1440	WAJR-WV	1570	WHTX-OH
	WKAZ-WV	1310	WNAE-PA	1450	WFRA-PA		
850	WNTJ-PA	1330	WETZ-WV		WJPA-PA	93.7	<u>KDKA-PA</u>
990	WNTW-PA	1340	WTRN-PA		WQWK-PA	96.7	WLLF-PA
1050	WMSG-MD	1370	WWCB-PA	1460	WMBA-PA	97.5	WDDH-PA
1160	WCCS-PA	1400	WJET-PA		WBUC-WV	103.3	WAJR-WV
1230	WBVP-PA		WWGE-PA	1480	WCNS-PA		

Saint Louis Cardinals 2012 John Rooney, Mike Shannon

http://stlouis.cardinals.mlb.com/stl/schedule/tv_radio_affiliates.jsp (02/29/2012)

590	KZHS-AR		KSMO-MO	92.7	KASR-AR J	99.7	KTTR-MO
680	WMFS-TN		KXEO-MO	92.9	WSEI-IL	99.9	KIRK-MO
690	KEWI-AR	1390	KCRC-OK		WMFS-TN	100.3	KURM-AR
730	WFMW-KY	1400	KCLA-AR	93.1	KBDZ-MO	100.5	KMEM-MO
740	WVLN-IL		WGIL-IL	93.3	WQTY-IN		KTGR-MO
800	KAGH-AR		KREF-OK	93.5	WSJK-IL	101.3	WMSK-KY
	KVOM-AR		KWON-OK	93.9	KSSZ-MO		KTXR-MO
860	WSON-KY	1420	WINI-IL	94.1	WMIX-IL	102.1	KJFM-MO
1050	KSIS-MO	1430	WYMC-KY	94.3	KATI-MO		KTUI-MO
1070	KHMO-MO	1450	WKEI-IL	94.9	WYNG-IL	102.3	WEBQ-IL
1090	WCRA-IL		KIRX-MO	95.1	KMAQ-IA		WRMJ-IL
1120	<u>KMOX-MO</u>		KWPM-MO	95.3	KOKX-IA	103.1	KFFA-AR
1220	KJAN-IA		KGFF-OK		WJEK-IL		KHGG-AR
	WLPO-IL		WTRO-TN	95.5	KAAN-MO	103.5	WXLN-IL
1230	WHCO-IL D	1460	KXNO-IA	95.7	WSEY-IL	103.7	KJEL-MO
	WJBC-IL		WROY-IL	95.9	KKBL-MO	103.9	KCJF-AR
	KZYM-MO	1470	WMBD-IL	97.3	WTIM-IL	104.1	KPOC-AR
	WBBZ-OK	1490	KDRS-AR		KYRX-MO	104.3	KDBB-MO
1240	KTLO-AR		WDAN-IL	97.5	KNMO-MO	104.7	KRES-MO
	WTAX-IL		WTUP-MS		KOEA-MO		WMUF-TN
	KNEM-MO	1520	WLUV-IL	97.7	KOTM-IA K	104.9	KAGH-AR
1250	KBTC-MO	1540	WSMI-IL	97.9	KBXB-MO		WYVY-TN
1280	KCOB-IA	1550	KESJ-MO		KFBD-MO	105.1	WGEM-IL
1310	WDXI-TN	1560	WBYS-IL	98.5	WQKZ-IN	105.5	KYEL-AR
1330	KUKU-MO	1570	WTAY-IL		KWKJ-MO		WREZ-KY
1340	KBTA-AR		WTRB-TN	98.9	WHQQ-IL	105.9	WOKZ-IL
	WJPF-IL	1580	KHGG-AR	99.1	KMA-IA	106.5	KTMO-MO
	WSOY-IL				WCBL-KY	106.7	WYFX-IN
	WNBS-KY	92.5	KPPL-MO	99.3	WZLT-TN	107.1	WEAI-IL

San Diego Padres (EE) 2012 Jerry Coleman, Ted Leitner, Andy Masur

San Diego Padres (SS) 2012 Ed Ortega, Juan Angel Avila

http://sandiego.padres.mlb.com/schedule/broadcast/index.jsp?c_id=sd (03/12/2012)

I found no evidence of a network.

860 XEMO-BC S 1090 XEPRS-BC

San Francisco Giants (EE) 2012 Jon Miller, Dave Flemming, Duane Kuiper

San Francisco Giants (SS) 2012 Erwin Higueros, Tito Fuentes

<http://sanfrancisco.giants.mlb.com/NASApp/mlb/sf/schedule/radioaffiliates.jsp> (02/29/2012)

670	KPUA-HI	1230	KJFK-NV	1430	KFIG-CA	96.7	KMFB-CA
680	<u>KNBR-CA</u>	1360	KUIK-OR			101.5	KEKA-CA
790	KFPT-CA	1400	KKJL-CA	92.7	KMFB-CA	102.3	KNTK-CA
1010	<u>KIQI-CA S</u>	1420	KKEA-HI	94.1	KBKY-CA		

Seattle Mariners 2012 Rick Rizzs, Dave Simms

http://seattle.mariners.mlb.com/NASApp/mlb/sea/schedule/broadcast_affiliates.jsp (02/29/2012)

550	KTZN-AK	1040	CKST-BC	1430	KBRC-WA
710	<u>KIRO-WA</u>	1080	KVNI-ID	1450	KONP-WA
800	KINY-AK j		KFXX-OR	1300	KLER-ID
900	KKRT-WA	1150	KQQQ-WA	1320	KGDC-WA
910	KTRO-OR	1170	KPUG-WA		KXRO-WA
920	KXLY-WA	1230	KOZI-WA	1350	KRLC-ID
960	KALE-WA	1240	KSAM-MT	1380	KSRV-OR
1020	KWIQ-WA		KTHH-OR	1390	KJOX-WA
1030	KMAS-WA		KTIX-OR	1410	CFTE-BC
				1470	KELA-WA
				1490	KLOG-WA
				92.1	KCRK-WA

Tampa Bay Rays (EE) 2012 Andy Freed, Dave Wills, Neil Solondz**Tampa Bay Rays** (SS) 2012 Enrique Oliu, Ricardo Taveras

<http://tampabay.rays.mlb.com/NASApp/mlb/tb/schedule/radionetwork.jsp> (02/29/2012)

620	<u>WDAE-FL</u>	1230	WONN-FL	1400	WZHR-FL	1530	WENG-FL
680	<u>WGES-FL</u> S	1250	WHNZ-FL	1450	WTSU-FL	1580	WCCF-FL
770	WWCN-FL A	1270	WNLS-FL		WWJB-FL		
1080	WHOO-FL B	1380	WELE-FL F	1480	WFLN-FL F	104.9	WYGC-FL
1220	WSRQ-FL	1390	WFHT-FL		WVOI-FL		

Texas Rangers ESPN Radio Network (EE) 2012 Eric Nadel, Dave Barnett

http://texas.rangers.mlb.com/tex/schedule/tex_radio_affiliates.jsp (03/09/2012)

600	KTBB-TX	1260	KKSA-TX	1560	KZQQ-TX	100.7	KPXI-TX
670	KWXI-AR		KWNX-TX	1660	KRZI-TX	100.9	KRZI-TX
690	KPET-TX	1300	KSYB-LA E			101.3	KRZI-TX
710	KGNC-TX	1340	KGHM-OK	92.7	KJVC-LA	103.3	<u>KESN-TX</u>
760	KTKR-TX	1350	KCAR-TX		KALP-TX k	103.9	KMHT-TX E
900	KCLW-TX	1380	KBWD-TX		KIVY-TX	104.1	KILX-AR
	KPYN-TX	1400	KKTK-TX	92.9	KTKC-LA	104.3	KGAS-TX
1000	KTOK-OK	1460	KCLE-TX	94.3	KSEY-TX		KTTU-TX
1090	KVOP-TX	1480	KTHS-AR	95.7	KBST-TX	105.1	KWMW-NM
1230	KSEY-TX	1490	KRUI-NM	97.1	KYAL-OK	105.5	KNAS-AR
	KSST-TX		KBIX-OK	98.9	KWXI-AR	106.9	KHLE-TX
1240	KASO-LA E		KNEL-TX	99.5	KAKS-AR		
	KVLF-TX IF	1550	KYAL-OK	100.5	KMVL-TX		

Texas Rangers (SS) 2012 Eleno Ornelas, Jerry Romo

http://texas.rangers.mlb.com/tex/schedule/tex_radio_affiliates.jsp (03/09/2012)

1260	KBHC-AR	1490	KYZS-TX	1540	<u>KESN-TX</u>	1550	KRZK-TX
1390	KDQN-AR				KZMP-TX		

Toronto Blue Jays 2012 Jerry Howarth, Alan Ashby, Mike Wilner

http://toronto.bluejays.mlb.com/tor/schedule/radio_network.jsp (02/29/2012)

Via Mike Brooker As of February 29, 2012

Please note that not all stations will carry every one of the 162 games.

570	CKGL-ON	990	CKGM-QC	1280	CJSL-SK	88.9	CHNI-NB
590	<u>CJCL-ON</u>	1070	CHOK-ON	1290	CJBK-ON	90.5	CJMB-ON
600	CKAT-ON	1190	CFSL-SK	1330	CJYM-SK	91.9	CKNI-NB
900	CHML-ON	1200	CFGO-ON	1410	CKST-BC	95.7	CJNI-NS
920	CKNX-ON	1210	CFYM-SK	1570	CKMW-MB	103.5	CKGC-NU
960	CFAC-AB	1240	CJCS-ON				

Washington Nationals 2012 Charley Slowes, Dave Jageler

http://washington.nationals.mlb.com/was/schedule/radio_affiliates.jsp (03/11/2012)

820	WWFD-MD	1470	WJDY-MD	94.7	WIAD-DC uv	106.7	<u>WIFK-VA</u>
950	WXGI-VA	1500	WFED-DC v	102.1	WXTG-VA		WRNR-WV
1400	WKAV-VA G	1580	WNEW-DC v	103.5	WTOP-DC v	107.7	WWWT-VA
1450	WNOS-NC			104.5	WBRG-VA G		

Note that lowercase footnotes are different from uppercase footnotes.

* = Announcers from last (or a previous) season

- a = 1090 KMXA-CO will broadcast the Colorado Rockies' home games, but not the weekday day games.
- b = The Detroit Tigers' web site is unclear as to which of these two stations will carry each game.
- c = Vin Scully will broadcast the Dodgers' home games as well as away games against NL-East and AL-East opponents.
- d = [RESERVED, unused]
- e = Some of the Cleveland Indians' games will be broadcast on 100.7 WMMS-OH. It appears that WMMS will broadcast only some of the pre-season games and none of the regular season games.
- f = The Houston Astros' list shows "1340 KNAL(KVNN)". Google shows 1340 KVNN and 1410 KNAL.
- g = The Arizona Diamondbacks' list shows "KDJI/KZUA Z92". Google shows 1270 KDJI-AZ and 92.1 KZUA-AZ.
- h = Home games only
- i = The Arizona Diamondbacks' list shows "KNTR/KJJJ 980". Google shows 980 KNTR-AZ and 102.3 KJJJ-AZ.
- j = Sunday games only
- k = Weekday games only
- l = Weekend games only
- m = 1200 WRTO-IL will broadcast 50 Chicago Cubs' games in Spanish. See the URL for specific dates. The Chicago White Sox web site at mlb.com still lists WRTO as broadcasting the White Sox.
- n = [RESERVED, unused]
- o = The Detroit Tigers' list shows "WDMJ/WIAN 1330". Google shows 1320 WDMJ-MI and 1240 WIAN-MI.
- p = Excluding games that conflict with Tampa Bay Rays' games
- q = 1460 KENO-NV is listed as a Spanish language station for the New York Yankees. I have no idea if there is a Spanish language flagship in the New York City area..
- r = The San Diego Padres' web site has 860 XEMO-BC as a Spanish station for only weekend pre-season games.
- s = This station will broadcast only selected games.
- t = The San Diego Padres' web site has 1700 XPRE-BC as a conflict station for some pre-season games.
- u = The Washington Nationals' list has "Washington, DC 94.7 FM-HD3". Google gives calls WIAD and note "WJFK Sports."
- v = The Washington Nationals' list has only 106.7 WJFK-DC as the flagship. The other four DC stations do not have this designation.

A = Boston Red Sox, Miami Marlins, New York Yankees, and Tampa Bay Rays !!!!

B = Atlanta Braves and Tampa Bay Rays

C = Chicago Cubs and Chicago White Sox

D = Chicago White Sox and Saint Louis Cardinals

E = Houston Astros and Texas Rangers

F = Miami Marlins and Tampa Bay Rays

G = Baltimore Orioles and Washington Nationals

H = Cincinnati Reds and Cleveland Indians

I = Chicago Cubs and Minnesota Twins

J = Kansas City Royals, New York Yankees, and Saint Louis Cardinals !!!

K = New York Yankees and Saint Louis Cardinals

L = Cincinnati Reds and Los Angeles Dodgers

S = Spanish language

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5 inch "Ultra Light" FSL Antenna

Maximum AM-DXing Performance from a Minimal Package

By Gary DeBock, Puyallup, WA, USA February 2012

Introduction Graham Maynard's initial article describing an innovative ferrite sleeve antenna certainly caused a sensation among experimenters, who quickly realized that this new design was one of the major breakthroughs in the effectiveness of portable AM-DXing antennas. Massive orders were placed for Russian surplus ferrite rods and bars in a collective search for maximum FSL gain, while various design options were explored by individual experimenters going in their own chosen direction. Some very effective design models were created, but they all had one common characteristic – they were considered overpriced and inaccessible by the vast majority of the Ultralight radio enthusiast group. One of the major antenna discoveries in recent history was being enjoyed by only a select few.



Publication of a 7 Inch "Affordable" FSL design last October was an attempt to bridge the gap with these overlooked DXers, but it soon became obvious that the \$150 target price of the antenna just wasn't "affordable" enough for most of the target audience. Poor economic conditions had stretched hobby-related budgets very thin, and a radically different approach would be necessary to provide any practical kind of FSL antenna option for the scores of interested DXers still on the sidelines.



It was obvious that various design corners could be cut to provide a cheap and mediocre FSL antenna, but that certainly wasn't anything worthy of the interested DXers, or of the testing resources available here. It became a fascinating challenge to design and create a potent but pint-sized antenna that would cost around \$90 to build (as of January 2012), but deliver enough AM-DXing performance to make hobbyists completely forget that they were ever using an "economy model." The target FSL would be a tiny thriller, with sufficient inductive coupling gain to provide a major boost in hobby excitement for all users.

Project Overview One of the major challenges in FSL antenna design is relating the performance of the new loops to a standard which is commonly known and accepted in the AM-DXing community. The author was fortunate to have PVC air core loops of various sizes on hand during the development of this 5" FSL model (and other models), making it possible to accurately judge its weak-signal reception capability against that of various air core loops (as in the testing process, shown at right). Despite the reduced scale of this FSL model, the highest quality Litz wire and vernier-drive variable capacitor were retained in an effort to provide maximum DXing performance for its size—and when this 5" FSL's weak-signal reception was found to be equivalent to that of a full-sized 4' air core box loop, the design challenge of creating a tiny thriller was considered a success.

In an effort to make construction as simple as possible the antenna's components were chosen because of their plentiful supply, and most of them have been stockpiled by the author. The Russian surplus 140mm x 8mm ferrite rods are currently available in good quantity from at least two eBay sellers in the Ukraine ("Alexer1" and "Sovtube"), and the 660/46 Litz wire is also commonly available from the eBay seller "Mkmak222." There is no need to install pipe insulation layers—a 5" long "Big Boss Noodle" section (available from the author) simply slides into a 3" diameter rubber plumbing coupler with a vinyl liner locking strip, providing a soft, padded base for protection of the 45 ferrite rods. Finally, the antenna has slip-resistant rubber grips on the two PVC "legs" for operation on wet surfaces, and provisions have also been made for plugging in a protective "rain hood" assembly. A compact Sterilite plastic tote (14 1/4" x 9 5/8" x 12 1/8", which is commonly



available at Walmart stores) can transport the antenna to a DXpedition site, and double as a weather-proof operating space for the 5" FSL and inductively-coupled portable radio (see photo).

Although FSL antennas are commonly used to boost DX signals in Ultralight radios, they are also highly effective in providing gain enhancement for full-sized AM-DXing portables like the Sony ICF-2010, Panasonic RF-2200 and other classic radios. Any radio with an AM loopstick can benefit greatly from such inductive coupling, especially in outdoor environments where the 5" FSL's superior signal-to-noise capability can really be enjoyed. But even if outdoor DXing is impossible or inconvenient for you, this compact FSL model will still provide plenty of indoor hobby fun.

Construction Parts List To assemble the 5" FSL the following parts will be required. Material marked with an asterisk (*) has been stockpiled by the author, and is available to builders at cost as long as supplies last.

A) 45 Russian surplus 140mm x 8mm ferrite rods, commonly available from the eBay sellers "Sovtube" and "Alexer1" (Note: Since about 10% of these rods come with noticeable bends or angles in them, it is advisable to order a total of about 50 rods so that 45 straight rods will be available.)

B) 40' of 660/46 Litz wire, available from the eBay seller "Mkmak222" (Note: This seller commonly sells such wire in 60' and 100' lengths. Unless you need more such Litz wire for a second project, ask him to sell the 40' length.)

C) A 381 pf, 8:1 drive variable capacitor from <http://www.crystalradiosupply.com> (Part #N50P), plus the control knob

(control knob #3 from the same source)

D*) A 3" x 3" Fernco rubber plumbing coupler, Part #P-1056-33 (used to connect cast iron, plastic, copper, steel or lead), Available from McLendon's hardware stores locally (source is <http://www.fernco.com>)

E*) A 5" long section of the "Big Boss Noodle" swimming floatation aide, 3.5" diameter

F*) One 12", one 9", two 3" and four 2.5" lengths of 3/4" diameter Schedule 40 PVC pipe; four 3/4" PVC "Tee" fittings (complete sets of pre-cut PVC pipes and fittings are available from the author at cost)

G*) 1", 2" or 4" wide Johnson & Johnson (or Rite Aid) waterproof tape roll

H*) One roll of Scotch brand "Extreme" strapping tape

I*) 1/2" wide Johnson & Johnson (or Rite Aid) waterproof tape roll

J*) A 12" x 4.5" section of "Magic Cover" vinyl top liner (source is <http://www.kittrich.com>)

K*) Three 120 pound-test, 18" long nylon cable tie wraps

L*) 12" length of 5/8" I.D. rubber heater hose

M*) One 6-32 x 3/8" machine screw, two 6-32 nuts, one #6 lockwasher, one #6 soldering lug

N*) 2 1/2" long section of 3/32" shrink tubing

O*) Oatey 4" x 4" foam closet spacer

Miscellaneous: Oatey "Rain R Shine" blue PVC glue, Duro Super Glue, solder

Ferrite Ordering Notes The Russian surplus ferrite rods typically take several weeks to arrive in North America from the eBay sellers in the Ukraine. This particular size of ferrite rod has been ordered in serious quantities from both of these sellers during the past year, and was also the size used in the 7" "Affordable" FSL project. Current indications (as of February 2012) are that a very large stock of the 140mm x 8mm ferrite rods is still held by both of these Ukrainian sellers, which was one of the reasons why this particular size was chosen for the 5" FSL construction project.

Step By Step Construction 1) Refer to the photo at right. Take the 12" x 4.5" section of vinyl top liner and fold it in half lengthwise, so that it becomes a folded 12" x 2.25" section (ensure that the



smoother side of the vinyl liner is on the inside, and the side with the gripping pattern is on the outside). Wrap this folded section as shown around the center of the Big Boss Noodle section, pulling it tightly so that one edge overlaps the other. Secure this overlapping section with a 2" strip of Scotch "Extreme" tape, as shown.

2) Face the folded edge of the liner toward the rubber coupler opening (as shown), and carefully insert the noodle/liner assembly into the rubber coupler edge by edge, so that the liner does not bind as it enters the rubber coupler. Using thumb pressure on both sides of the noodle/liner assembly, carefully work the assembly down (edge by edge) so that the liner stays flat against the inside of the rubber coupler. Continue this downward pressure (edge by edge) until the liner is completely hidden inside the coupler. Finally, push the Noodle edge downward until equal lengths of the Noodle are on each side of the rubber coupler, and both edges of the Noodle are exactly parallel with the edges of the rubber coupler (as shown in the photo at right).

3) Refer to the photo at right. Remove the paper label and any hose clamps from the rubber coupler, and using diagonal cutters, cut off any rubber tabs so that the rubber coupler has completely flat mounting surfaces for the ferrite rods. Using $\frac{1}{2}$ " waterproof tape, wrap 6 turns around both of the hose clamp slots so that an even, flat surface is created for mounting the ferrite rods.

4) Refer to the photo below. Using the wider waterproof tape (adhesive side out), tightly wrap several horizontal turns around the rubber coupler so that an evenly-spaced tape pattern is created to hold the ferrite rods. Overlap the end of each turn



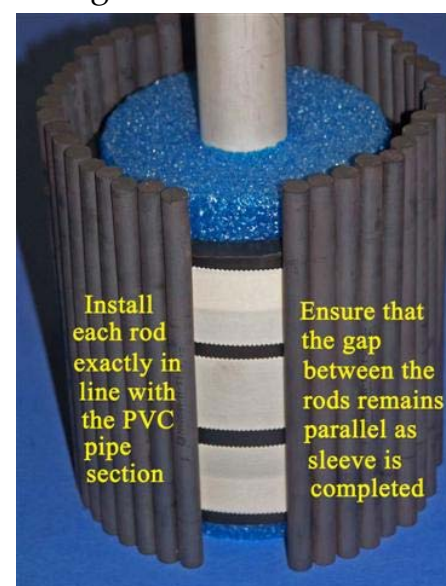
by about 2", and ensure that each turn is wrapped tightly so that the turns will not slide up or down on the rubber coupler.

NOTE: It is common for the Russian surplus ferrite rods to have minor bends, but rods which are seriously bent or damaged should not be installed in the antenna. Perform a "roll test" on each individual rod (on a flat table) to check for serious flaws. Reject those that won't roll.

5) Refer to the photo at left. Temporarily push the 9" PVC pipe section into the Noodle, so that the pipe's lower edge is flush with the Noodle's lower edge (and both are flat against a perfectly flat table). Choose a perfectly straight ferrite rod and press it tightly against the horizontal tape pattern, ensuring that it is exactly lined up vertically with the PVC pipe, and that the ferrite rod's lower edge is flush against the flat table. This step is important in starting a tidy pattern.

6) Refer to the photo at right. Carefully press each of the ferrite rods tightly against the adjacent rod, ensuring that each rod is flush

with the table, and that each rod remains lined up with the PVC pipe. Any rods with minor bends (that pass the "roll test") should be installed so that maximum contact with the waterproof tape is made. When the rod assembly is nearing completion, check to ensure that the gap between the installed rods remains parallel, and that the rods all have the same approximate height against the rubber coupler. It is acceptable to have a minor gap ($\frac{1}{8}$ " or less) between the final rod and the first rod, since the following steps will compress the ferrite



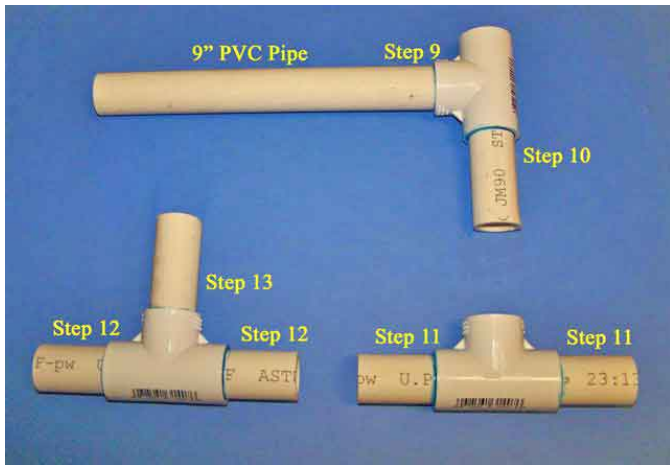
sleeve, and tend to eliminate minor gaps.

7) Refer to the photo at left. Using the wider waterproof tape (adhesive side out) tightly wrap several horizontal turns around the ferrite sleeve (starting with the exact center section of the rods), so that a 4" wide pattern centering on the middle of the ferrite rods is covered. Ensure that each of these tape turns is tight, and that they will not slide up and down the ferrite sleeve. Overlap the end of each turn by about 2". These

tape turns help to secure the ferrite sleeve assembly in a cylindrical shape, and should be installed immediately after completion of the ferrite rod installation.

8) Refer to the photo at right. Using needle-nose pliers, carefully remove the stapler from the Oatey 4" x 4" foam closet spacer pack. Cut a 17" long section of foam spacer material (with straight, perpendicular edges), using foam spacer material which does not have serious gaps or holes. Tightly wrap this foam material around the 4" wide tape pattern on the ferrite sleeve assembly, ensuring that it is centered on the ferrite rods. Pull the foam material tightly (it has the ability to stretch, to some degree), and cut off any excess material on the ends so that the straight edges mate perfectly (see photo at right). While the foam material is still tightly stretched in this manner, secure the ends with a strip of the wider waterproof tape.

NOTE: The antenna's PVC frame will be installed in the following steps. Detailed information on the preparation and gluing of PVC pipes and fittings is given in the PVC Loop article posted at <http://www.mediafire.com/?igw1zjwfmw> on Pages 3, 4 and 5. When performing the following steps, ensure that such instructions are understood and followed. Because of the inexpensive cost of the PVC fittings and pipes, it is advisable to practice making strong glue joints on a few scrap pieces before starting the assembly of the antenna's frame. Each PVC gluing step should be read and understood completely before proceeding with the step. Because of strong glue fumes, all PVC gluing operations should be conducted outdoors.



9) Refer to the photo at left. Remove the 9" PVC pipe from the ferrite sleeve assembly, and glue the center opening of a PVC "Tee" fitting to one end of the pipe.

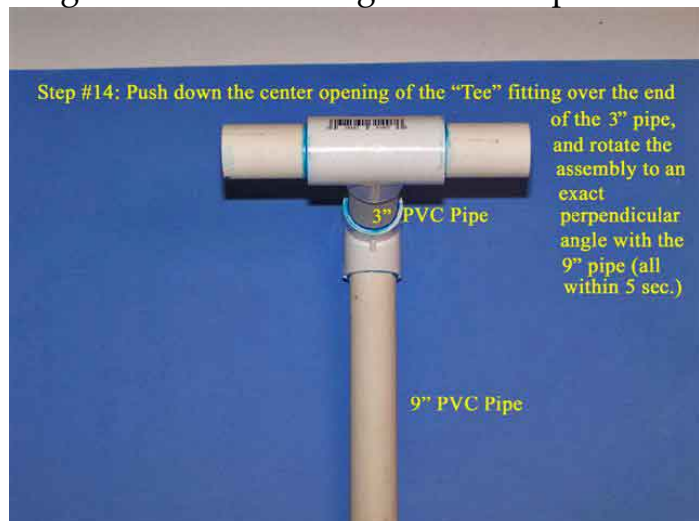
10) Glue a 3" PVC pipe to one of the open sides of the "Tee" fitting attached to the 9" PVC pipe.

11) Glue a 2.5" PVC pipe to each of the open ends of another PVC "Tee" fitting.

12) Take another PVC "Tee" fitting, and glue the remaining two 2.5" PVC pipes to each of the open ends of the fitting.

13) Glue the remaining 3" PVC pipe to the center opening of the "Tee" fitting used in Step #12.

14) Refer to the photo at right. Take the 9" PVC pipe assembly and the PVC "Tee" assembly prepared in Step #11. Stand the 9" PVC pipe assembly on the open end of its "Tee" fitting (as shown). Apply PVC glue to the end of the 3" pipe (which is straight up), and then apply PVC glue to the center opening of the "Tee" fitting (prepared in Step #11). Perform the following steps within 5 seconds: push the "Tee" fitting down over the 3" pipe until the fitting bottoms out, and twist the "Tee" fitting until the 2 1/2" pipes are exactly perpendicular to the 9" pipe (see photo at right).



15) Refer to the photo below. Insert the 12" PVC pipe securely into the center opening of the remaining "Tee" fitting (without glue) to be used as a perpendicular guide in this step. As in Step #14, stand the 12" PVC pipe assembly on one of the ends of the "Tee" fitting (in this case, so that the other open end of the "Tee" fitting is pointing upwards). Take the remaining PVC "Tee" assembly (prepared in Steps #12 and 13) and apply PVC glue to the edge of the 3" pipe, then apply PVC glue to the "Tee" opening (which is pointing upwards) of the 12" pipe assembly on the table. Perform the following steps within 5 seconds: push the 3" pipe assembly down into the glued end of the "Tee" fitting on the table until the pipe bottoms out, and twist the 3" pipe assembly until the 2 1/2" pipes are exactly perpendicular to the 12" PVC pipe on the

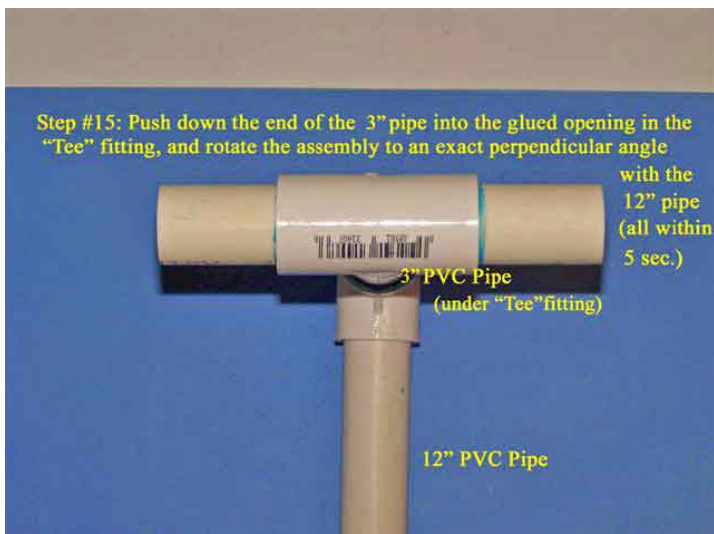
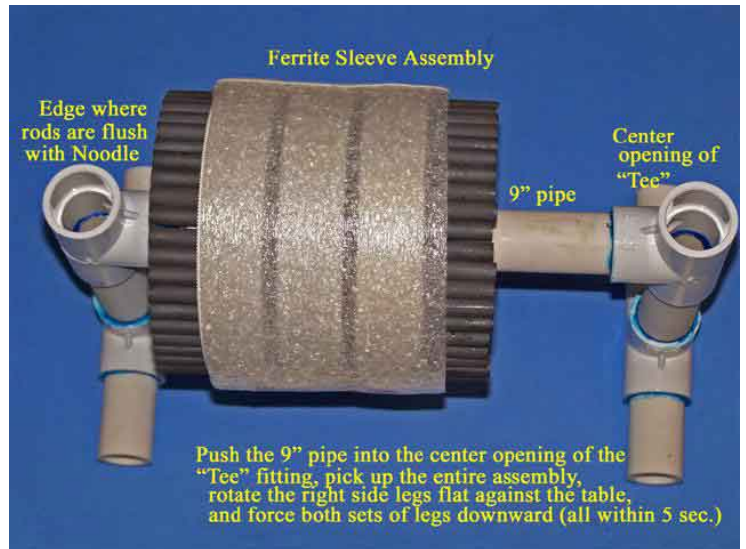


table until the pipe bottoms out, and twist the 3" pipe assembly until the 2 1/2" pipes are exactly perpendicular to the 12" PVC pipe on the

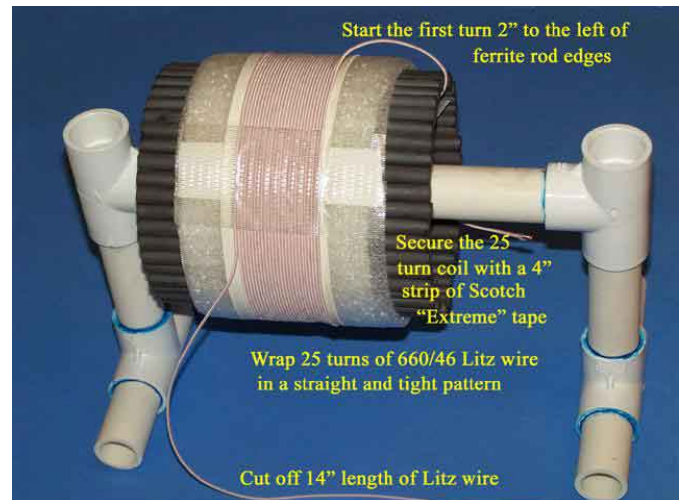
table. After this step, remove the 12" pipe from the assembly (it will not be used in the rest of the project).

16) NOTE: The following step should be performed on a perfectly flat table. Refer to the photo at the top of the next page. Take the ferrite sleeve assembly, and reinsert the 9" PVC pipe (which now has a set of 2 1/2" "legs" attached) into the side of the ferrite sleeve assembly which has the ferrite rods flush with the Noodle edge. Run the 9" pipe through the Noodle until the Noodle bumps up against the "Tee" fitting.

Temporarily lay the FSL assembly flat on the table, so that the open end of the 9" pipe is exposed for gluing. Take the remaining PVC 2 1/2" "leg" assembly (prepared in Step #15), and apply PVC glue to the center opening of its "Tee" fitting, then apply PVC glue to the edge of the 9" pipe running through the ferrite sleeve assembly. Perform the following steps within 5 seconds: push the 9" pipe into the center opening of the "Tee" fitting until it bottoms out, pick up the entire assembly, and rotate the second "leg" assembly so that both sets of "legs" are fairly flat against the table. Force both sides of the frame hard downward against the table until the right side "leg" assembly is perfectly straight (while the glue is still wet, putting downward pressure on both sides of the frame will provide a perfectly straight match of the "legs," as long as the table is perfectly flat). This completes the assembly of the antenna's PVC frame—allow the glue fumes to vent outdoors before proceeding with the next steps.



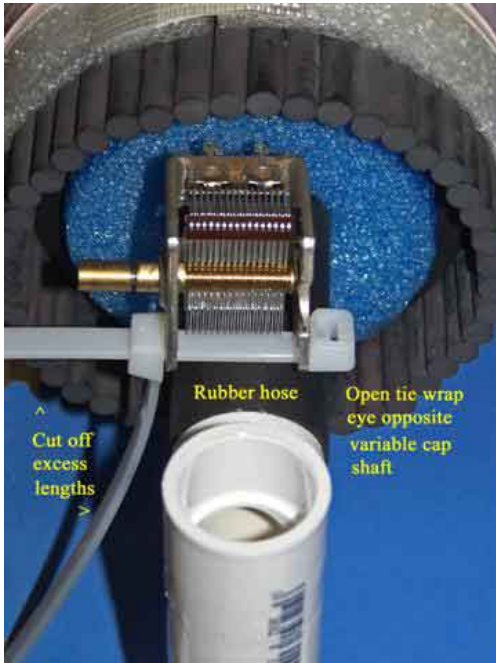
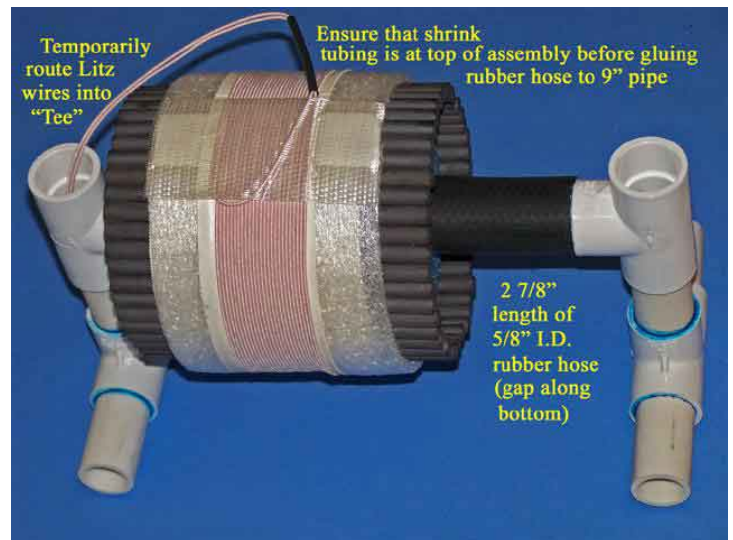
following step. Take the 660/46 Litz wire and start the first turn 2" to the left of the ferrite rod edges (so that the coil will be in the center of the rods). Press the first turn down tightly against the waterproof tape, ensuring that it is straight and taught (the FSL assembly will rotate freely on the pipe, to assist in wrapping turns). Continue wrapping the second turn tightly against the first turn, and continue this wrapping action until 25 full turns of Litz wire are wrapped straight and tight around the ferrite sleeve assembly. Secure the ends of the 25-turn coil with a 4" strip of Scotch "Extreme" tape (as shown), and cut off the Litz wire 14" from the taped section.



19) Refer to the photo at left for the following step. Form the loose end of Litz wire into a curved turn over the top of the "Extreme" tape until it is adjacent to the other Litz wire (as shown), and secure this curved turn with another 4" strip of "Extreme" tape placed exactly on top of the previous one. Untape the other Litz wire end from the side of the Noodle and carefully run each of the Litz wire ends through the 2 1/2" section of shrink tubing, as shown. Ensure that the two Litz wires are straight inside the shrink tubing, and that they are as tidy as possible between the

shrink tubing and coil.

20) Refer to the photo below for the following step. Temporarily route the two Litz wires into the "Tee" opening at the left side of the frame (to avoid damage during the mounting of the variable cap). Cut a 2 7/8" long length of the 5/8" I.D. rubber hose with straight cuts on both sides, and then cut the rubber hose length with a single, straight cut lengthwise (Note: this rubber hose length is purposely longer than the remaining horizontal space on the 9" horizontal pipe, in order to lock the ferrite sleeve assembly into place, and stop its rotation). Trim any loose rubber strips from the sides of the air hose length, and then apply super glue sparingly along the inner center section of the hose. Ensure that the ferrite sleeve assembly is pushed as far left as it will go on the 9" pipe (and that the

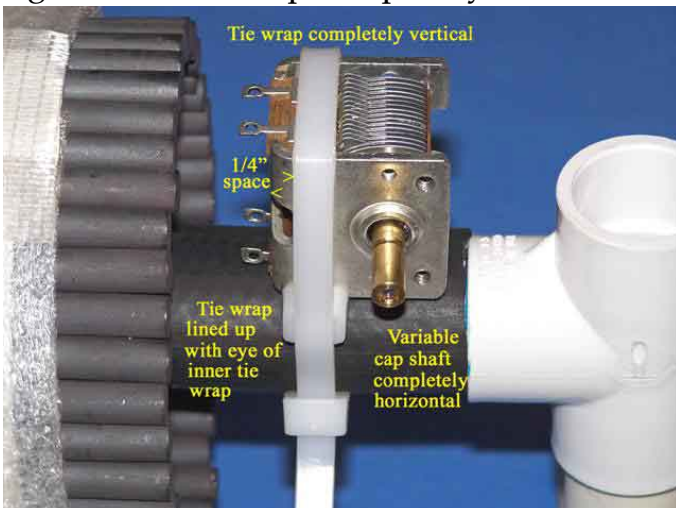
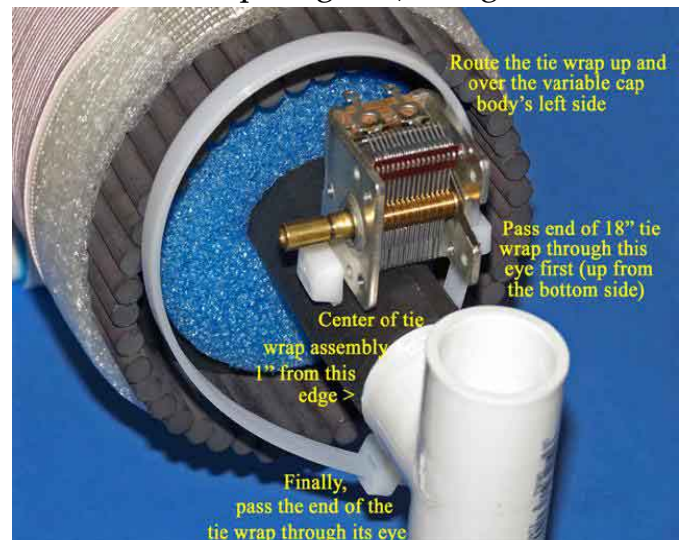


shrink tubing section is still on top of the assembly), and then attach the rubber hose section on the 9" pipe as shown, with the rubber hose gap along the bottom of the pipe. Press the rubber hose section securely down into place on the pipe, so that the glue makes a tight bond.

21) Refer to the photo at left for the following step. Take two of the 18" cable tie wraps and pass the end of one through the eye of the other (engaging the "teeth") until there is about 2" of space left between the "eyes" of the two tie wraps. Place this assembly on top of the rubber hose section in the position shown, and then place the variable capacitor on top of this tie wrap assembly with the shaft to the left (as shown in the photo). While holding the right side tie wrap eye steady, gently move the left side tie wrap eye up against the body of the variable cap until the two tie wrap eyes bracket the variable cap body (as shown). After this has been

done, temporarily remove the variable cap and cut off the excess tie wrap lengths (taking care not to move the tie wrap eyes closer together).

22) Refer to the photo at right for the following step. Place the prepared tie wrap assembly in the position shown in the photo, with the center of the tie wrap exactly 1" from the outer edge of the rubber hose section. Place the variable cap back into position on the tie wrap assembly as shown, so that the variable cap shaft is 1/2" from the outer edge of the rubber hose section. Take the third 18" tie wrap and pass the end through the eye of the tie wrap assembly as shown for a length of 12" (up and over the body of the variable cap which is closest to the terminals), and pass the end through the eye of the same tie wrap as shown. Do not tighten the tie wrap completely until the next step.

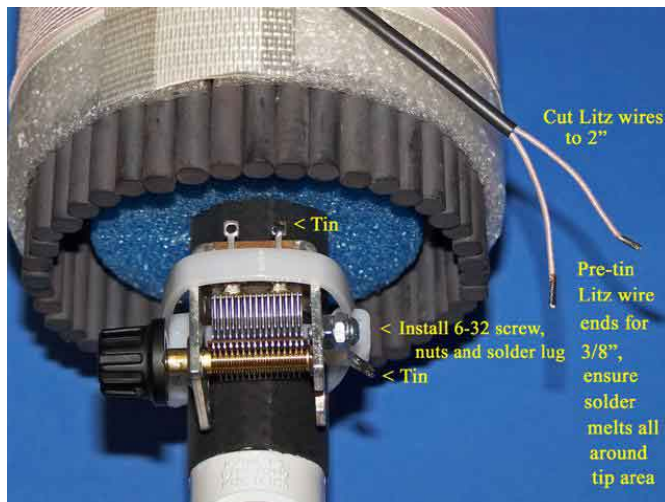


23) Refer to the photo at left for the next step. Ensure that the variable cap is in the position shown, with the shaft completely horizontal. Also ensure that the tie wrap is completely vertical, that its left edge is 1/4" away from the variable cap body's left edge, and that it passes directly over the eye of the tie wrap in the base assembly. Slowly tighten the tie wrap, ensuring that the above conditions do not change. Finally, tighten the tie wrap securely to lock the variable cap permanently in place. Cut off the excess tie wrap length.

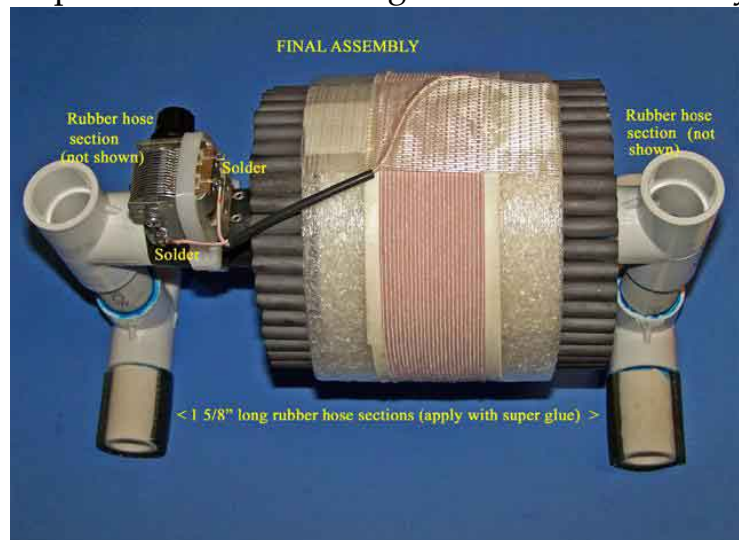
24) Refer to the photo on the next page. Install (in this order) a #6 soldering lug and two 6-32 nuts onto a 6-32 screw, and thread this assembly into the variable cap chassis in the position shown, so that the soldering lug is pointing downwards. Tighten the hardware securely in this position. Install the

control knob on the variable capacitor shaft, and remove the two Litz wires from the left side "Tee" opening. After ensuring that the shrink tubing section is still pushed back against the "Extreme" tape as closely as possible, cut each of the Litz wires to a length of 2". NOTE: The two 660/46 Litz wires are composed of many individually-insulated conductors, and it is essential to use enough heat and solder to melt all of these conductors together for best performance results. Pre-tin the end of these leads with a hot soldering iron, working completely around the circumference of the tip for a length of about 3/8". Ensure that solder melts all around this entire tip area, and that it includes all the individual conductors. Pre-tin the ends of the two Litz wire leads in this manner as shown, and also tin the upper right variable cap terminal and the solder lug, as shown.

25) Refer to the photo below for the following step. Solder one of the Litz wires to the variable cap's near upper terminal as shown, and solder the other Litz wire to the solder lug. Ensure that both connections are electrically secure and clean. Cut four 1 5/8" lengths of the 5/8" I.D. rubber hose with straight, perpendicular cuts (these will be used as the slip-resistant "leg" grips). Cut each rubber hose section lengthwise with a straight cut, and trim off any loose rubber strips from the edges. Place each of the four rubber hose sections in place on the PVC "legs" as shown, and apply a small amount of super glue on both the left and right interior sides of each hose section to lock them in place on the PVC "legs." Press down firmly on the sides of each rubber hose section after the super glue has been applied, while ensuring that the borders of each rubber hose section are aligned with the edges of the PVC "legs. This completes the assembly of the 5" FSL antenna, which is now ready for testing and operation.



of a full-sized 4' air-core box loop. Because of the sharper tuning and lower noise pickup of the FSL antenna design, however, it will occasionally outperform the 4' box loop in the signal-to-noise ratio of weak DX signals—especially for weak DX stations adjacent to strong local transmitters received in outdoor environments (on a PVC base).



Testing and Operation This antenna is designed to provide a high-gain inductive coupling boost to all portable radios having a loopstick, and unlike other similar-sized antennas, it will provide a very substantial signal boost even to full-sized portables like the ICF-S5W and RF-2200. As designed, it will provide this inductive coupling boost on all frequencies from 460-1710 kHz, with signal gain approximately equal to that

of a full-sized 4' air-core box loop. Because of the sharper tuning and lower noise pickup of the FSL antenna design, however, it will occasionally outperform the 4' box loop in the signal-to-noise ratio of weak DX signals—especially for weak DX stations adjacent to strong local transmitters received in outdoor environments (on a PVC base).

1) In a location free from RF noise, place the FSL antenna in a secure position on a flat surface, away from metal tables and other large electrical conductors.

2) Position your portable radio about 2" in front of the FSL coil for the initial test.

3) Tune in a weak signal (the weaker the better) at the low end of the AM band on your portable radio. It is important that the signal is just above the noise level, to demonstrate the effectiveness of the antenna.

4) SLOWLY tune the FSL antenna's variable cap until the antenna's resonant frequency matches that of the portable radio. Looking at the variable cap plates can give you a rough idea of your FSL's tuned frequency, with its plates about half open on a center-band (1000 kHz) frequency. The FSL's tuning sharpness is much greater than that of a typical air-core loop, and best results are obtained only when the FSL's variable cap is carefully zeroed in on the correct frequency. When zeroed in on the weak station's frequency, the FSL should give a VERY great inductive coupling boost.

5) After the correct frequency is matched, slowly vary the portable radio's distance from the FSL coil to determine the distance for the best inductive coupling boost. This is also a fairly sharp adjustment, which will provide excellent results when optimized.



6) An FSL's DXing performance can be increased by placing the antenna on a non-conducting stand up off of a table, such as on a PVC-framed base for DXpedition or shack usage. Information on such PVC bases and a protective "rain hood" PVC assembly may be obtained from the author.

Conclusion The introduction of the FSL antenna last year provided DXers with a new option—high gain, low-noise performance from an extremely compact package (although with the "side effects" of concentrated weight and cost.). This particular FSL size was chosen because of its superior tradeoff of high gain with minimal weight and expense— especially in outdoor environments. Whether at an ocean coast cliff or at home in your shack, the author sincerely hopes that it will exceed your DXpectations!

73 and Best Wishes,
Gary DeBock

5" Mini-FSL Vs. 4' PVC Air Core Loop Relative Performance Test
(Posted to Ultralightdx Yahoo Group on January 14, 2012)

Hello All,

The 5" diameter Mimi-FSL is another small AM-only model developed here this week in a continuing effort to reach out to those DXers who have felt that FSL antennas were too expensive or complicated. It has a construction cost of about \$90, weighs about 5 pounds, and has the advantage of using parts that are readily available (several of which have been stockpiled here).

This afternoon the tiny new 5" FSL was given the tough challenge of going up against a full-sized 4 foot PVC air core loop in the reception of fringe daytime DX signals here in Puyallup, Washington (about 30 miles south of Seattle). The "David and Goliath" match up photo is attached. The only reason that this test was even attempted was because the slightly larger 7 inch "Affordable" FSL (with the construction article posted at <http://www.mediafire.com/?dshnqlbydf6qu25>) had previously proven that it could not only compete with the 4' air core loop, but deliver a slightly better signal-to-noise ratio on most of the test signals.

The midget FSL and the large air core loop faced off in the cold back yard, separated by about 60 feet.

Fringe daytime DX stations were carefully tuned in on both loops, then a barefoot Tecsun PL-380 model was inductively coupled to the 4' air core loop for the first part of each test signal MP3, then to the 5" Mini-FSL within 5 seconds (so that the signals would not fade or increase between recordings) for the last part of each MP3. To ensure accuracy, both loops were directed at the same bearings for each test signal.

980-CKWX (50 kw at 160 miles) First 20 seconds with 4' air core loop

<http://www.mediafire.com/?br4sw4q5325m8g1>

1040-CKST (10 kw at 160 miles) First 15 seconds with 4' air core loop

<http://www.mediafire.com/?oh62u7fpvlh3kt3>

1070-CFAX (10 kw at 90 miles) First 20 seconds with 4' air core loop

<http://www.mediafire.com/?uv65m2j4i3ubl1>

1520-KGDD (50 kw at 160 miles) First 18 seconds with 4' air core loop

<http://www.mediafire.com/?c8284pol9bjg1kd>

Comments: The 980-CKWX recording was a typical display of the relative reception capabilities of the two loops in the absence of QRM or splatter. The 1040-CKST recording showed the ability of one of the loops to reject some serious 1050-Seattle splatter on the same loop bearing, and the inability of the other loop to do the same. The 1070-CFAX recording seemed to be the most puzzling, but since the signal came from a different direction, perhaps the propagation seemed to favor one loop at the expense of the other. The 1520-KGDD recording seems to be a complete deadlock (which, in the tester's opinion, could be a fairly accurate summary for the overall result in this bizarre match up :-). Thanks to my Ultralight NDB-DXing brother Rob Ross for a very generous gift of 140mm x 8mm ferrite rods to build these Mini FSL's, and to Dave Kellmer of Portland, Oregon for a very generous supply of Funoodles.

73 and Good DX,

Gary DeBock (in Puyallup, WA, USA).



Ultralight News

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Seattle, WA 98117-2334

ROB ROSS HEARS 1000 STATIONS WITH AN ULTRALIGHT!!

Back in December of 2007, in order to express thanks to Colin Newell (of **DXer.Ca**) for publishing my quirky SRF-59 review, I came up with a strange idea to send out a few free SRF-59 samples to any Canadians that wanted one. The idea was to spread the interest in Ultralight radio DXing north of the border, since it already seemed to have quite a foothold in western Washington state. At the time seven Canadian DXers responded with a request, and seven of the basic analog Ultralights headed north, into the cold Canadian winter.

The seven SRF-59 Ultralights ended up in various locations from Victoria BC to London Ontario, but by far the most successful one was the radio received by Rob Ross, who practically ran it into the ground by receiving over 300 stations with it before the month of January 2008 was over (less than 30 days of usage). At the time ULR DXers were regarded as somewhat fanatical kooks, using tiny pocket radios with no real hope of any serious, long-range DXing success. Rob single-handedly changed that impression by receiving serious DX with his barefoot, \$18 SRF-59... including several stations in South America. He was a one-man DXing tornado, stunning both the ULR and table-receiving communities with his accomplishments. Within 30 days he managed to change our reputation from a group of kooks into the hottest new phenomena in AM-DXing, with repercussions that continue to this day. Because of Rob's success, Canada became a hotbed of ULR DXing activity – and I was delighted to repeat the free-sample offer to Canadians a few months later with the Sony SRF-39FP prison radios – one of which wound up with another phenomenal Canadian DXer, Allen Willie of Newfoundland. The Canadian connection with ULR DXing has been unique from the very beginning – and if not for guys like Colin, Rob and Allen, we never would have gotten off of the ground.

Rob has been at the forefront of ULR DXing success not only in AM results, but also in Longwave, both in International Broadcast and NDB-DXing. I recently had the pleasure (?) of competing with Rob in chasing Longwave beacons throughout the cold winter (losing, of course, but having a blast in the process!). Anyway, Rob, you have been a Master Ultralight DXer for the past 4 years, and a great inspiration to us all. Congratulations on tracking down station #1000 (an awesome one, at that), and thanks again for your outstanding contributions to our Ultralight Radio community!

73, Gary DeBock, N7EKX, Puyallup, WA, USA. Ultralight Radio Group Co-Founder

Recent Ultralight activity has mostly been mostly focused on experimenting with FSL (Ferrite Sleeve Loop) antennas. Various sizes and “shapes” are currently in the experimental phase. Apparently the former “rush” of new Ultralight radios has slowed down for the time being, so, naturally, home-made antennas have been the focus. There was also a period where LW Beacon DX was the focus. ed.

NOAA Space Weather Outlook

Issued March 13 – For the period March 14-April 9, 2012

Solar activity is expected to be at low levels during 14 - 16 March with a chance for M-class activity from Region 1429. Activity is expected to decrease to predominantly background levels during 17 - 27 March, following the departure of Region 1429 on 15 March. An increase to low levels with a slight chance for M-class activity is expected from 28 March through the end of forecast period, as Region 1430 returns on 28 March and Region 1429 returns on 29 March.

A chance exists for another proton event from 14 - 16 March, as Region 1429, rotates off the visible disk. No events are expected until Region 1429 returns on 29 March, when a slight chance for another event from this proton producing region exists through the end of the forecast period.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at moderate to high levels during 14 - 19 March and 29 March - 03 April. Normal to moderate flux levels are expected during 20-28 March and 04 - 07 April.

Geomagnetic field activity is expected to be at predominantly quiet levels from 14 - 16 March. Activity is expected to increase to quiet to active levels during 17 - 18 March due to recurrent coronal hole high-speed stream effects. Activity is expected to decrease to mostly quiet levels during 19 - 27 March. Quiet to unsettled levels are expected during 28 - 31 March as another coronal hole high speed stream becomes geoeffective. A return to quiet levels is expected from 01- 02 April. Another increase to quiet to unsettled levels is expected on 03 - 04 April as a coronal hole high speed stream becomes geoeffective. A return to predominantly quiet levels is expected to prevail for the remainder of the period.

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