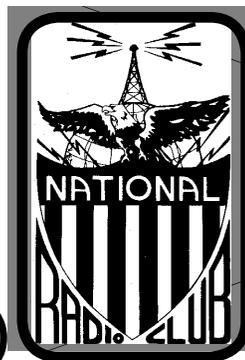


DX News

• Serving DX'ers since 1933 •

Volume 74, No. 7 - November 13, 2006 ISSN 0737-1659



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Station Test Calendar

WODI	NJ	1230	Now to ?	0000-0005
WMRO	TN	1560	Now-Nov. 13	0100-0600
KANA	MT	580	Nov. 19	0200-0400
KLCY	MT	930	Nov. 19	0200-0400
KEIN	MT	1310	Nov. 19	0200-0400
KGVO	MT	1290	Nov. 19	0200-0400
WFIL	PA	560	Dec. 10	0500-0600
WNTP	PA	990	Dec. 10	0500-0600

From the Publisher ... Don't be terribly alarmed if your DXN doesn't show up in your mailbox exactly on time this month, as activity schedules for Forty-fingers, my helpers, plus the Thanksgiving break are going to affect mail prep times. We should be back to normal in December ... just in time for the Christmas slowdown, hi.

WMRO News ... From Les Rayburn: "News from Scott Bailey at WMRO. The "Inventory Insert" DX test is now running each night from Midnight until 4AM Central Time. It runs at approximately :05 minutes after the hour, right after CNN news. They're running only their legal nighttime power of 0.003kw non-directional, so this one is going to be tough. Despite that, I heard them with ease from Birmingham last night, including their normal, legal voice ID at the TOH. Sweep Tones and Morse Code were easy copy. According to Scott, the test will likely continue to run for months. At some point, if they have maintenance, we may be able to get a limited test at daytime power levels."

DXChange ... Bob Pote <mrzenith41@aol.com, 317-881-5721 has a KIWA loop antenna for sale for \$250 plus shipping.

Unfilled positions ... We're still in need of volunteers for the following positions, as described in detail in V73, #27, the June '06 DXN: A person to maintain the e-DXN site; one or more additional moderators for e-DXN; one or more persons to edit future NRC publications; one or more persons to scan or retype reprints currently in print; one or more persons to scan verie letters to be placed on the NRCDXAS web site; several persons to research and prepare a book in commemoration of the NRC's 75th anniversary; a "Confirmed DX'er" editor; a "DX Targets" editor; a technical column editor; a nationwide QSL coordinator (preferably a joint NRC/IRCA/WTFDA member); someone to type e-mail reports for members who don't have computers.

DX Time Machine

From the pages of DX News:

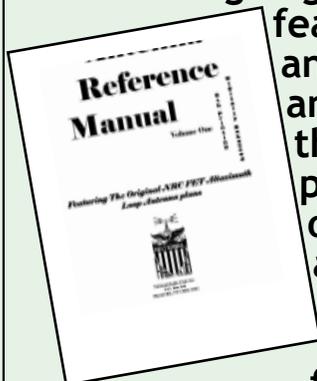
50 years ago ... from the November 17, 1956 DXN: Bill Stone, Toronto, Ont., remarked that the recent report of CHUM-1050 going all-night was incorrect; they had not as yet applied to the Board of Transport for permission to broadcast at night.

25 years ago ... from the November 15, 1981 DXN: Niel Wolfish, Toronto, ON reported hearing various un-needed stations, like XERH-1500, CMAB-880, KJCB-1550, plus WHDE-850 on ET for #800, all in October.

10 years ago ... from the November 18, 1996 DXN: Shawn Axelrod, Winnipeg, MB, managed to pull in YVKA-630 Caracas on November 2 at 0130 UTC, with a football game and lots of mentions of Venezuela, plus distinctive chimes.

Antenna Reference Manual, Volume 1

8th Printing Digitally Enhanced and Updated This completely-revised book features the plans for the original NRC 4' FET Altazimuth loop antenna. Completely revamped with digitally enhanced drawings and updated material sources, it also contains other articles on the subject of antennas for medium wave DX'ers, most originally published between 1969 and 1974 in *DX News*. It includes articles on air-core and ferrite core loops, antenna tuners for longwire antennas, and antenna couplers. This is the original book which has been available for over 20 years. \$8.95 to NRC members (\$11.95, non-members). 8 1/2" X 11" bound book format. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)





AM Switch

Bill Hale w_r_hale@sbcglobal.net
6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552



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

CALL LETTER CHANGES

	<u>Old Call</u>		<u>New Call</u>	
1020	WKZE	CT	Sharon	WHDD
1190	WHMT	TN	Humboldt	WLLI
1220	WKMT	NC	Kings Mountain	WDYT
1310	WVIP	NY	Mount Kisco	WRVP
1380	WPCH	SC	North Augusta	WYNF
1560	NEW	WA	Burbank	KVAN

85 KOA
NEWSRADIO

CPs ON THE AIR

730	WPIC	PA	Sharon - CP for a power increase to U1 1300/58 is on the air.
740	KKAG	ND	Fargo - New station has been heard testing. Facilities are U7 50000/940 CH 7500. Just in time, too, as their 3-year CP period expires on 12/17/2006.
1060	KRCN	CO	Longmont - CP for U1 50000/111 is on the air.
1200	CJRJ	BC	Vancouver - New station is on the air with Punjabi programming. Facilities are U4 25000/25000 from two towers at N49-09-55 W123-02-28. Day and night patterns are almost identical, both kidney-shaped toward the northwest.
1350	WNNG	GA	Warner Robins - CP for U2 15000/500 is on the air.
1360	KKOL	WA	Seattle - CP for U4 50000/47000 is on the air from their new 4-tower site (3-day, 4-night) at N47-14-56 W122-24-18. The day patten favors the north and northeast while the night pattern is directed northwest.
1520	WCHE	PA	West Chester - CP for D4 1000/0 CH 500 at the adjusted coordinate location of N39-57-59 W75-37-58 is on the air.

GRANTS FOR NEW STATIONS

1370	NEW	RI	Charlestown - CP granted for U4 2500/5000 from 3-190' towers at N41-22-38 W71-39-50. Charlestown is located in extreme south Rhode Island, just north of the Atlantic Ocean. Both patterns are directed to the southeast.
1400	NEW	TX	Langtry - CP granted for U1 1000/1000 from a single 48' (correct) tower at N29-47-30 W101-30-30. Langtry is about 60 miles northwest of Del Rio, Texas on the Mexican border.

ACTIONS

610	WVBE	VA	Roanoke - CP granted for a power increase to become U4 10000/2500.
870	WGHC	NC	Mount Holly - CP granted to move here (ex: 1370 in Clayton, Georgia) with D1 3000. They still have a pending application for D1 6000/0 CH 6000 on this channel from Mount Holly.
1030	KWFA	TX	Tye - New station, not yet on the air, had a CP for U4 5000/370, and later requested U4 5000/650 at Abilene, Texas. They later amended the request reverting the City-of-License to Tye, which has been granted. [Night power correction from last issue]
1100	WZFN	MN	Dilworth - New station, not yet on the air, has a been granted a CP for U2 50000/450 CH 20000, altering the original granted facilities.
1370	KAST	OR	Astoria - Coordinate correction to N46-10-31 W123-50-58.

AMENDMENTS TO CONSTRUCTION PERMITS

860	KTRB	CA	Modesto - Holding a CP for U4 50000/50000 with a change in City-of-License to San Francisco from two transmitter sites, KTRB has submitted a request to consolidate both transmitter sites to that of the authorized 4-tower night site at N37-35-34 W121-46-27. If granted, KTRB's CP would be for U3 50000/50000.
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APPLICATIONS

- 730 WLTQ SC Charleston - Applies to decrease their nighttime power, becoming U1 1100/83.
- 1080 WALD SC Walterboro - Applies to increase daytime power and add CH authorization as D1 11000/0 CH 5000.
- 1280 KPTQ WA Spokane - Applies to increase nighttime power to be U4 5000/125.
- 1570 WFTU NY Riverhead - Applies to increase their day and night power levels to become U4 5000/1500.
- 1590 WHGT PA Chambersburg - Applies for U4 15000/15.
- 1600 WKZK SC North Augusta - Applies for U1 4000/27.

AMENDMENTS TO APPLICATIONS

- 1360 WPTT PA McKeesport - Licensed for U2 5000/1000, WPTT applied to move to 910 kHz with D3 9000/0 and change their City-of-License (CoL) to Apollo, Pennsylvania (which, as it turns out was a typo on the applicant's part). They would, in effect swap frequencies with WAVL. Now they are requesting D3 7000/0 on 910, switching the CoL to Mount Lebanon, PA. The resulting gain, if these actions were granted, would be a reduction in co-channel interference with other stations, and the fact that Mount Lebanon would gain an aural service.
- 1380 KWJL CA Lancaster - Licensed for U4 1000/11, KWJL applied to change their CoL to Rosamond, California, but now they've requested U5 1000/20 back at Lancaster.
- 1500 WDPC GA Dallas - Licensed for D4 5000/0 CH 500, WDPC applied to increase their CH power to become D1 5000/0 CH 3250. This amendment requests D4 5000/0 CH 3200, correcting a couple of typos in the original.

APPLICATIONS FOR RECONSIDERATION

- 820 WAIT IL Willow Springs - Application to add night service as U2 5000/1500 has been resubmitted.

APPLICATIONS REINSTATED

- 1690 NEW VI Charlotte Amalie - Application for U1 920/920 has been reinstated.

APPLICATIONS FOR NEW STATIONS

- 1340 NEW CA Mountain Ranch - Applies for U1 1000/1000. Mountain Ranch is about 60 miles northwest of Stockton.
- 1340 NEW NV Winnemucca - Applies for U1 250/250.

LICENSE RENEWALS GRANTED

- 610 KONA WA Kennewick-Richland-Pasco
- 1440 WGLD PA Red Lion

NEWS TO YOUSE

- 1480 WGUS GA Augusta - Look for this station to sign off permanently around the end of November as that will be the fifth birthday for sister station WRDW-1630, per a verification response.

OTHERNESS

- Reported as silent: WAMF-1300 Fulton, New York and WSTN-1410 Somerville, Tennessee.
- Reported back on the air: WMIA-1070 Arecibo, Puerto Rico with Spanish talk, and WPJX-1500 Zion, Illinois with a SS:UC format // WEEF-1430.
- Fines: WEGA-1350 Baja Vega, Puerto Rico has been fined \$15,000 for a variety of infractions, including: failure to properly enclose one of their towers; failure to maintain a public inspection file; and for operating at night using day power and pattern.
- Thanks to: Shawn Axelrod, Wayne Heinen, and Håkan Sundman.

Need more information about AM DX'ing?
 Mail a First-Class stamp to NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251 and ask for the NRC Publications Catalog.

Domestic DX Digest

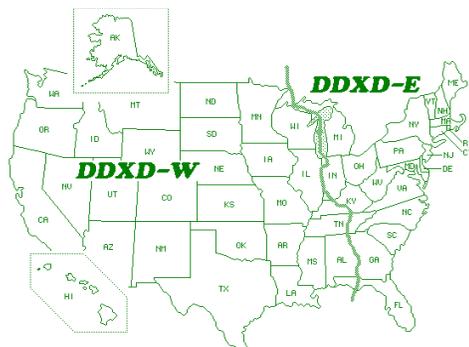
West: Bill Dvorak westlogs@aol.com

501 Algoma St. - Madison, WI 53704-4812

East: Mike Brooker aum108@idirect.com

99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA

(Division line is
between East and
Central time zones)



DX Catches in the U. S. and Canada, with 24-hr. ELT

DDXD-West

FROM THE VAST WESTLAND

- * If you don't have this date circled on your calendar, you should. On early Sunday morning 11/19 between 0200 and 0400 ELT, four Montana stations will be conducting simultaneous DX tests! Details of these tests were given on the front page of DXN #74-5, and as always, the latest info is posted online at <http://www.dxtests.info>. This is a great opportunity for **Vast Westlanders** to log some difficult to hear Montana stations all in the same night. And as always, if do you log these tests, please remember to pass along your loggings to DDXD-West. Hope we have a great turnout for this rare event!
- * **John Wilkins** passes along this news of a personal DX milestone: "Just wanted to announce that today (11/1) marks the 25th anniversary of my MW DXing 'career' from Wheat Ridge after being largely inactive in the 1970s. I DXed a lot in the 1960s from Iowa, then slacked off as school and other things took priority. The first entry in my 'new' logbook was on November 1, 1981: WKY 930 with Oldies music." Congratulations, John, and may the next 25 years bring many more new entries into the logbook!
- * DX has been "heavenly" as of late, as evidenced by this note from **John Tucker**: "The radio gods have smiled on me this weekend!" The heavenly theme also explains what **Neil Kazaross** experienced: "Simply stunning conditions for a few hours last evening (10/30)!! They were what I feel were by far the best western conditions ever here." Then again, **Patrick Griffith** reports "I targeted 1290 for several hours this morning under the splatter from my local 1280 and came out with more questions than answers," proof that any religious experience has its mysteries. Read on, believers, to witness more angelic loggings! 73 Bill

Reporters

- GH-IL** Greg Harris, Park Forest. Icom R75 with Quantum Loop or Hula Hoop Loop.
JJR-WI John J. Rieger, South Milwaukee. Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp.
JT-AZ John Tucker KG7RS, Mesa. Drake R8B, 3' remote-controlled varactor-tuned box Loop, 60' Inverted-L, Quantum Phaser.
JW-CO John Wilkins, Wheat Ridge. Drake R-8, 4-foot box loop.
LK-SD Lewis "Rusty" Kruger, Sioux Falls. GPX 4004CLR personal radio with digital display.
NK-IL Neil Kazaross, Barrington. Drake R8A, phased BOG System at 271 degrees: 531 feet // 353 feet, both terminated.
PG-CO Patrick Griffith, Westminster. Drake R-8 and Kiwa loop.
SA-MB Shawn Axelrod, Winnipeg. ICOM IC-R70, Drake R8, 4 foot unamplified box loop, Quantum loop, 155 foot outdoor wire, 100 foot indoor wire, MFJ 1026 phasing unit.
SP-WI Sheryl Paszkiewicz, Manitowoc. NRD-515, AOR LA350 loop.
TRH-CA Tim Hall, Chula Vista. Toyota car radio.
WH-CO Wayne Heinen, Aurora. Drake R8B, N/S Flag, E/W Flag, Modified 4 foot NRC Altazimuth loop, 15 foot vertical whip, Dual TG-1 Termination Gizmo w/2 BUF-F amplifiers, Mini-DXP5, DX Engineering RPA-1.
Ed.-WI Your editor, Madison. Drake R8B, Quantum QX Pro loop.

Station News

- 600 **KTBB TX** Tyler. 11/1 0400. Local spot, ID "NewsTalk 600 KTBB Tyler-???? and AM 1430 KEES Gladewater-?????" to ABC News. These two are // at times (not shown in 27th Log). An earlier ID didn't seem to mention KEES. (WH-CO)
 650 **CKOM SK** Saskatoon. 10/27 0700. Presumed full ToH ID for CJME 980 Regina. Looks like these two are now simulcasting, at least overnight. (WH-CO)
 740 **KKAG ND** Fargo. 11/2 1755. Good signals with large open carrier and test tones. ID by a man saying "KKAG Fargo doing an equipment test." First day I have heard

any IDs but the carrier and tones have been on for about a week. **(SA-MB)**
(See also this week's AMS for news about this new station. **Ed.-WI**)

- 1430 **KEES TX Gladewater.** See 600 KTBB above. **(Ed.-WI)**
1460 **WBJX WI Racine.** This silent station is being sold by WBJX Inc. to El Sol Broadcasting in what very much looks like a court-ordered bankruptcy settlement. The old transmitter site has already been lost due to tax delinquency, so the new owner has filed for a new site. This info comes from the Milwaukee-based Brew City Radio discussion board, <http://www.brewcityradio.com>. Thanks to **John Rieger** for directing me to this. **(Ed.-WI)**

Presumed, Tentative, UnID

- 1290 **UNID 10/29 0403.** Fox Sports with ad for tucsonhelpwanted.com. In the mix with numerous stations and splatter from a local on 1280. Presumed KCUB in Tucson AZ. **(PG-CO)**
1290 **UNID 10/29 0413.** Chased someone for over two hours playing light AC/oldies under a mix of numerous stations and splatter from the local on 1280. Suspect KWLS in KS. **(PG-CO)**
1290 **UNID 10/29 0429.** Ad for Cattleman's Branch of 1st National Bank of Byers under a mix of numerous stations and splatter from the local on 1280. Internet search indicates bank by this name in Wichita Falls TX. Suspect KWFS. Also heard "News Talk 1290" slogan at 0431 but not sure if it was from the same station. **(PG-CO)**
1290 **UNID 10/29 0502.** "ESPN Radio 1290" ID and into PSA for recycling. **(PG-CO)**
1580 **UNID 10/30 2127.** SS religion briefly audible with CKDO phased, perhaps KBLA since XEDM is news and doesn't get out nearly as well as it used to. I've been chasing KBLA for years with no luck. **(NK-IL)**

Regular DX Loggings (times in ELT)

- 540 **KNMX NM Las Vegas. 10/31 2035.** SS calls, Mexican music, an EE ID and election promo. **(SP-WI)**
600 **WMT IA Cedar Rapids. 10/31 2100.** "Eastern Iowa's only 24 hour news and information source is NewsRadio 600 WMT Cedar Rapids," to Fox news. **(WH-CO)**
600 **KSJB ND Jamestown. 11/1 0203.** C&W Music. "This is 'After Midnight' on Classic Country KSJB Jamestown, North Dakota" to more C&W. **(WH-CO)**
600 **KOGO CA San Diego. 11/1 0505.** Out of local news. "'Coast to Coast' is next on San Diego's AM 600 KOGO." **(WH-CO)**
610 **KCSR NE Chadron. 10/28 2120.** C&W, weather for Chadron. NEW. This was on my target list for some time. **(SP-WI)**
610 **CKYL AB Peace River. 11/2 0500-0506.** Broadcast News newscast followed by C&W music, then "This is YL Country." Mixed with KNML in their null. This measures 1274 miles and a new one for me! **(WH-CO)**
620 **CKRM SK Regina. 10/28 2023.** "Saskatchewan's Sports Leader, 6-20 CKRM." **(LK-SD)**
670 **KBOI ID Boise. 10/30 1956.** Poor well under phased super local WSCR with ad into a "NewsTalk 670 KBOI" ID. **(NK-IL)**
680 **WCTT KY Corbin. 10/27 0737.** Poor; chatter over two or three others "...on WCTT-AM..." **(JJR-WI)**
680 **WCTT KY Corbin. 10/31 2012.** Nostalgia, "Great 68 WCTT" IDs. **(SP-WI)**
710 **KFIA CA Carmichael. 10/30 2017.** Very good in peaks (!), far atop, with WOR phased out. "From the KFIA news desk..." Sacramento area mentions, etc. By far the best signal ever from them in what I feel were the best western conditions ever here. **(NK-IL)**
730 **KKDA TX Grand Prairie. 10/28 2258.** Legal ID at 2258:50: "Rhythm and Blues, Jazz, Gospel, news-- Soul 73 KKDA Grand Prairie-Fort Worth-Dallas," followed by a program note for the weekday morning news program. Fair on peaks, up and down. **(JW-CO)**
730 **KSVN UT Ogden. 10/28 2300.** Latino music to 2302:25, EE/SS legal ID: "Esta es La Mexicana... KSVN Ogden-Salt Lake City," followed by more Latin tunes. Fair on peaks with long fades on 66-watt night power. **(JW-CO)**
730 **KQPN AR West Memphis. 10/29 0559.** Canned legal ID by a male voice: "AM 730 ESPN is KQPN West Memphis, Arkansas-Memphis, Tennessee, 730 ESPN Radio" and into network "ESPN Sports Center." Fair on peaks but fadey; same ID noted at 0359 on overnight taping. Actually had heard the station the night before carrying football on the Tennessee Vols network, but got no IDs other than "730 ESPN." Managed to log several local spots, though, and sent them a report. New here, Arkansas #26.

			(JW-CO)
740	WNOP	KY	Newport. 10/27 0900. "You're listening to Sacred Heart Radio, WNOP Newport-Cincinnati" by a male announcer. Fair, no fade. New. (GH-IL)
750	CKJH	SK	Melfort. 10/28 0818. "Oldies CK 7-50." (LK-SD)
780	KKOH	NV	Reno. 10/30 1958. Poor well under phased super local WBBM with gal announcer and "NewsTalk 780 KOH" ID. (NK-IL)
840	KMPH	CA	Modesto. 10/30 2001. Poor to fair over/under phased WHAS with nostalgia and at 2002 what sounded like a "The New 840 AM" slogan. Tuning in later, heard a call ID at 2026 following an ad. Also noted a bit of Vietnamese here at 2324 (they are Vietnamese weeknights from 7 to 11 PM Pacific). First logged here on 9/29. This is a very early time for a 5 kw Californian. (NK-IL)
860	CKBF-2	SK	Saskatoon. 10/28 0828. Male announcer in FF. He mentioned "Saskatchewan" many times. Good signal with little QRM. Gone at 0847. (LK-SD)
860	KPAM	OR	Troutdale. 10/30 2005. Fair, atop at times with CJBC phased out. Ending news, into Portland area traffic and then into talk. Earliest before sunset ever noted. (NK-IL)
880	CHQT	AB	Edmonton. 10/25 0817. "Cool 8-80" into oldies song. At 0834 "Cool 8-80 Edmonton weather at 6:34." Some QRM and gone at 0901. New for me. (LK-SD)
890	KDJQ	ID	Meridian. 10/30 1954. Fair to good over/under phased WLS and atop others with oldies and "89 DJQ" ID. (NK-IL)
900	CKBI	SK	Prince Albert. 10/28 0030. Clear ID at BoH. Good signal with little QRM, but long deep fades. Vince Gill "Don't Let Our Love Start Slippin' Away," into announcement "Saskatchewan's favorite music, today's country on 900 CKBI" at 0038. Wow! Monitored over an hour, reception report sent. (JT-AZ)
930	WBEN	NY	Buffalo. 10/27 0629. Fade in to fade out, "Buffalo's Morning News." No WAUR. (JJR-WI)
930	KKIN	MN	Aitkin. 10/27 0735. Very poor. Ag ads, fishing report, calls, Music of Your Life nostalgia. (JJR-WI)
930	KSEI	ID	Pocatello. 10/28 0000. Good signal with clear ID at ToH. Into ESPN sports programming, commercial for B&G Plumbing 232-5632. New one! (JT-AZ)
940	KVSH	NE	Valentine. 10/25 2222. Ads and phone numbers, mentions of Midwest and Valentine. NEW (SP-WI)
970	KJLT	NE	North Platte. 10/25 2000. Sign-off with licensing and owner info. New and 19 th Nebraska station. No WDAY heard at all. (LK-SD)
970	WBGG	PA	Pittsburgh. 10/27 0700. Poor; legal ID only. Been a while. (JJR-WI)
970	WFUN	OH	Ashtabula. 10/27 0838. "WFUN Newstime 8:38" by a female announcer; other IDs. Fair; faded under WMAY. New. (GH-IL)
970	WKCI	VA	Waynesboro. 10/28 0640. Poor but clear. "NewsTalk 1300 and 970 WKCY" out of ads. Only second time heard. (JJR-WI)
1000	KOMO	WA	Seattle. 10/30 2024. Noted in passing through a somewhat phased WMVP with "Como Newstime 5:24" by a female announcer. Fair to good. Was also noted prior to 2000, which is very early for them. (NK-IL)
1030	KTWO	WY	Casper. 10/27 2055. Strong signal with local weather, end of Michael Reagan Show, into Fox news. Co-channel SS QRM phased. (JT-AZ)
1080	KFXX	OR	Portland. 10/30 1945. Very good in peaks (!!), well atop unID oldies (likely KVNI) and a little trace of KRLD, with WNWI phased out. Local political ads into sports, with "1080 the Fan" ID. Best signal ever from Oregon, a full 45 minutes prior to their sunset. (NK-IL)
1120	KMOX	MO	Saint Louis. 10/31 2000. "Your trusted voice for news is NewsTalk 1120 KMOX Saint Louis" followed by CBS news and local news. The lead story was that Saint Louis is the worst city in the USA to live in, and boy was the newscaster bummed! (WH-CO)
1130	CKWX	BC	Vancouver. 10/27 2355. Excellent signal, "News 1130" ID, US/Canadian market report, local traffic report, into marine weather forecast. Clear call letter ID at ToH. (JT-AZ)
1140	KNWQ	CA	Palm Springs. 10/27 2350. Good signal tonight. "K-News 970 and 1140" announcement, local commercials, variety talk program. (JT-AZ)
1190	KEX	OR	Portland. 10/30 1952. Fair to good, atop the frequency, with WOWO phased. Area traffic report, call ID and "Depend on Us" slogan. (NK-IL)
1260	KWSH	OK	Wewoka. 10/30 0302. "...Right here on KWSH." Poor in the mix. (WH-CO)
1260	KWEI	ID	Weiser. 10/30 0800. Out of SS talk with "KWEI" in EE and heavy electronic reverb. Dominant at this time. (WH-CO)
1260	KBLY	ID	Idaho Falls. 10/30 0900. "The Morning Report is straight ahead. AM 690 KBLI Blackfoot and AM 1260 KBLY Idaho Falls" to ABC News. Needed call change. (WH-CO)

- 1270 WLIK TN Newport. 10/27 0721. Poor but steady with weather, two "WLIK" jingles, oldies. (JJR-WI)
- 1270 WMKT MI Charlevoix. 10/27 0806. Poor over others. "1340 WMBN and 1270 WMKT news...." (JJR-WI)
- 1290 KKAR NE Omaha. 10/29 0405. Omaha area weather forecast, "1290 K-Kar" ID, into Tammy Bruce program. In mix with numerous stations and splatter from the local on 1280. This is the dominant station on the channel for me. (PG-CO)
- 1300 KAKC OK Tulsa. 10/31 0759. "Business Talk 1300 KAKC Tulsa" to business news. (WH-CO)
- 1350 KCHK MN New Prague. 10/26 0814. "KCHK news time is...." and faded. Very spotty after this. Rare here. (JW-CO)
- 1360 KSCJ IA Sioux City. 10/29 0159. Several "Newstalk 1360 KSCJ" IDs. Dominant over WLBK. New. (GH-IL)
- 1410 WNWZ MI Grand Rapids. 10/29 1900. SS by a male announcer, then "WNWZ Grand Rapids." Medium strength. New. (GH-IL)
- 1410 WLAS IN Lafayette. 10/29 1901. Slogan ID for / / FM sister station "95.3 The Wolf" by a male, then C&W Music. New. (GH-IL)
- 1460 WKAM IN Goshen. 10/27 0800. Very poor under WBRN. SS programming and legal ID at 0803. Very possible that this was my former unID of 60 days ago. Local WBJX still silent. (JJR-WI)
- 1470 WMBD IL Peoria. 10/31 0716. Briefly punching through QRM with call letter ID and weather forecast. (JW-CO)
- 1530 WJJG IL Elmhurst. 10/27 0708. Very poor way under WCKY. Calls, Black Gospel programming. (JJR-WI)
- 1540 KMPC CA Los Angeles. 10/30 2124. Very poor far under KXEL, but audible through their preaching. Talk a bit earlier, lamenting USC's football loss, then into Sporting News Radio before a quick break. Promo for a show weekday afternoons from 1 to 4 "on 1540 The Ticket." New !! in simply stunning California conditions. (NK-IL)
- 1560 KNZR CA Bakersfield. 10/27 2200. Strong local-like signal with Laura Ingraham Show, into AP News at ToH. Co-channel SS QRM phased. (JT-AZ)
- 1560 KNZR CA Bakersfield. 10/30 2117. Fair to good with small traces of WQEW and others, with ID and mention of election night coverage 11/7 from Tailgaters, then back to Laura Ingraham. New !! Been after them for years. (NK-IL)
- 1590 WTVB MI Coldwater. 10/27 0704. Poor; local news, local mentions in mess. (JJR-WI)
- 1590 KDJS MN Willmar. 10/28 0851. "This is John Davis in Twins territory on Oldies 15-90 KDJS," into a song. New. (LK-SD)
- 1590 WZRZ MS Jackson. 11/1 2159. Fair to good. Legal ID, including slogan "News Plus 1590," into "Headline Prime" with Nancy Grace. (Ed.-WI)
- 1600 KRKE NM Albuquerque. 10/27 2225. Fair signal for 128 watts. "Real Oldies Rockin' Rio Rancho," do-wop music. "Leave your radio set right where it is for more Real Oldies", into State Farm agent Sheryl Baker commercial. New One! (JT-AZ)
- 1630 KKGM TX Fort Worth. 10/29 2307. "1630 KKGM" and "AM 1630 KKGM" IDs and religious talk. Briefly overrode KCJJ. New. (GH-IL)
- 1630 KRND WY Fox Farm. 10/29 2314. SS announcement ended with "La Grande" slogan. ID by a male announcer followed by SS song that sounded like a polka. First Wyoming in 36 years. New. (GH-IL)
- 1650 KBJD CO Denver. 10/27 2250. Fair signal alternating with KHRO. ToH announcement "1650 KNUS-Two" (/ / KNUS 710). (JT-AZ)
- 1650 KHRO TX El Paso. 10/27 2255. "This is Air America Radio 1650 KHRO El Paso" ToH legal ID into Air America News, commercial for Halloween trick or treating at Cohen Stadium. New One! (JT-AZ)
- 1660 KXTR KS Kansas City. 11/1 0825. "I'm Dennis (missed) on Classic 1660 KXTR." Good signal dominated the frequency. (GH-IL)
- 1680 KDOW WA Seattle. 10/25 2100. Legal ID by a man: "La Jefa AM 1680 KDOW Seattle, a service of Salem Communications" and into music which I would categorize as SS AC with a salsa beat. Occasional canned "La Jefa" slogan but no live announcements noted in 30 minutes of monitoring. Good signal while on day power up to 2130, then dropped way down but was still readable. A needed call change here, ex-KTFH. (JW-CO)
- 1700 KKLK TX Richardson. 10/31 2230. "5-70 KLIF" ID, news, traffic, weather, ads, "Savage

Nation." NEW (SP-WI)

TIS, HAR, Etc.

- 1610 HAR? CA **Chula Vista. 10/28 1755.** New station noted today promoting the new toll road (CA-125) which will soon run through the Eastlake area of Chula Vista. Mentions web site www.southbayexpressway.com. Not sure exactly how this would be licensed; maybe Part 15? (TRH-CA)

DDXD-East

REPORTERS

- MC-NJ **Mike Clancy, Jersey City – DX-396**
 BC-NH **Bruce Conti, Nashua - R8B, MWDX-5, 50 x 75-ft terminated broadband loops east and south.**
 GL-NY **Ginnie Lupi, Painted Post – DX-398 and Select-A-Tenna**
 JR-NY **Jim Renfrew, Byron - Drake R8B, 1000' beverage, 100' shortwire, Quantum Phaser**
 MKB-ON **Mike Brooker, Toronto – Grundig YB-400PE, Panasonic RF-2200.**

UNID/TENTATIVE/PRESUM S ED

- 610 CHNCp QC **New Carlisle – 10/30 2000 –** song "Kiss Me", then two FF easy rock songs sung by men. (GL-NY) *Despite Anglo-sounding name, New Carlisle is Quebec separatist leader René Levesque's hometown! Mike.*
- 640 WNNZp MA **Westfield – 10/31 1942 –** O'Reilly Radio Factor, then string of ads: Tempurpedic; iGo; precious metals broker; Tempurpedic (again); Zicam. Faded for a moment, then came back with phone number 413-452-4111, which is a Western Massachusetts area code. (GL-NY)
- 690 UNID - 10/21 1937 – Marshall v. Alabama-Birmingham game, was very clear then faded into FF station and then returned with PSA for St. Mary's Emergency Care Department. At 1946 Marshall got TD and lead 21-6. (MC-NJ) *Virtually a lead-pipe cinch this would be UAB flagship WJOX, Birmingham, AL. Mike.*
- 1090 KVOpt TX **Plainview -10/25 2228 -** heard with "Mighty 1090" slogans. WHGG not likely as this was a Michael Somebody sports show, not oldies. XEPRS is also a possibility, but it does not use the Mighty 1090 anymore, I am told. (JR-NY)

LOGGINGS

- 540 WLIE NY **Islip – 10/31 0703 –** Craftmatic bed ad followed by news read by male, sports scores, "I'm Steve Sawyer", then traffic report with mentions of Long Island Expressway, "on WLIE." WWCS underneath with Disney schlock, some talk audible, too. (GL-NY)
 +++ 10/27 0755 - Good; "Clubhouse" talk show about golf from WGCH studios, promo for www.wgch.com, 0800 "This is Business Talk New York, AM 540 WLIE" into Information Radio Network news. (BC-NH)
- 560 CFOS ON **Owen Sound - 10/31 0659 –** sports scores, mention of RadioOwenSound.com, "CFOS news time is seven o'clock... from the Bay Shore Broadcasting News Center." Excellent reception! (GL-NY)
- 580 WTAG MA **Worcester – 10/31 0654 –** "here in the State of Massachusetts" – interview with opponent to Senator Kennedy. The opponent was on the phone with interviewer, talking about a bill Kennedy sponsored that is "flooding the country with illegal aliens." (GL-NY)
- WCHS WV **Charleston – 10/31 1922 –** "Rick Rodriguez statewide sports line." 1-800-765-TALK. Ad for United Bank, mentioning "West Virginia" and "West Virginians"; ad for coal that mentions coal from West Virginia; political attack ad against Senator Byrd: "50 years of arrogance and failure." Faded out at 1925. (GL-NY)
- 590 CKRS QC **Saguenay - 11/2 2045 -** Good, well over WEZE; "CKRS cinq-quatre-vingt-dix" and hockey play-by-play parallel 730 CKAC. (BC-NH)
- 600 WSJS NC **Winston-Salem – 10/30 1938 –** "... on PRN... radio network"; Verizon ad; "most trusted... 600 and 1200, WSJS" at 1939. Into talk show perhaps about racing, then faded into the slop. (GL-NY)
- WMT IA **Cedar Rapids – 10/30 1942 –** faded in with "six hundred W-M-T." Political

ad for Don Palmer: "education is very important to Iowa... as your elected representative in Des Moines..." Mentions of WMT and Iowa. WICC fading in and out, quite a bit of other interference. **(GL-NY)**

- CKAT ON North Bay** – 10/31 0645 – C & W song "That Don't Impress Me Much", followed by "AM six hundred, C-K-A-T." Male DJ talking about Halloween patrol in London, England. Maple Leafs tickets ad. Lots of static and interference. **(GL-NY)**
- KROD TX El Paso** - 11/2 0033 - heard calls during Rusty Humphries program break. I never would have believed it possible! Interference from WMT. New. **(JR-NY)**
- KSJZ ND Jamestown** - 11/2 0204 - country music, along with calls and mention of Jamestown. Relog. **(JR-NY)**
- 620 WTMJ WI Milwaukee** – 10/30 2005 – phone number with 414 area code, then "W-T-M-J" heard under the slop at 2007. Presumed WSNR underneath with ethnic music. **(GL-NY)**
- 630 WMAL DC Washington** – 10/30 2013 – phone number with 202 area code, then talk show host says, "Rachel, you're on six-thirty W-M-A-L." They have a political discussion about voting your conscience. She says "there's no time for conscience now, we've got to win." Faded out as host says "conservative movement has been sold out..." **(GL-NY)**
- 660 KTNN AZ Window Rock** - 10/26 0003 - "Go Navajo.com" ads into PRI program. Exact same thing heard at the same time on 11/2. Relog. **(JR-NY)**
- 680 WCTT KY Corbin** - 11/1 2345 - NOS format, with occasional IDs. I looked to see if someone forgot to pull a switch, but day and night powers are nearly the same. New. **(JR-NY)**
- 750 WWKK MI Petoskey** - 9/22 0120 - Air America programming. **(JR-NY)**
- 860 WWDB PA Philadelphia** - 10/27 0750 - Good, over *R.Relej* Cuba; "You're listening to Imus in the Morning on AM 860 WWDB" and "AM 860 WWDB, the Delaware Valley's only money talk radio." **(BC-NH)**
- 940 WNRG VA Grundy** – 10/24 2045 – Fading in and out of 940-Montreal with ad for besafe.com, followed by ID: "your home for solid gospel, WNRG, Grundy, Virginia" into southern gospel song with male group. 14 watts? **(MC-NJ)** *Probably "forgot" to cut day power after local sunset. Mike.*
- CJGX SK Yorkton** - 11/1 2205 - country music and "GX" IDs. Relog. **(JR-NY)**
- KPSZ IA Des Moines** - 11/1 1800 - nice ID and "Praise" at top of the hour, mixing with WMIX. At 1830 WECO was also evident. New calls. **(JR-NY)**
- 950 WROL MA Boston** - 11/2 1845 - Local; "News/Talk 1150 WTTT" IDs, simulcasting 1150 WTTT with syndicated political talk program. WROL and WTTT are both Salem Communications stations in Boston. **(BC-NH)**
- 960 CFAC AB Calgary** - 11/1 2232 - "Home of the Calgary Flames, the Fan 960", thanks to Bill Harms' tip. Relog, but rare. **(JR-NY)**
- KMA IA Shenandoah** - 10/31 1816 - took a while to dig this out under WHAK, WTCH and WSBT, but finally with "Regional Radio" slogan and call letters. New. **(JR-NY)**
- CFFX ON Kingston** - 11/2 1825 - Good, over WHAK; "The Sixties at Six, on Oldies 960." **(BC-NH)**
- 1060 KRCN CO Longmont** - 10/25 2159 - NASCAR stuff, Colorado Radio Network slogans, network list, very strong over KYW. New. Barry's tip for Calgary (unheard) led to this! **(JR-NY)**
- 1130 CKWX BC Vancouver** - 10/25 2211 - an outstanding signal from the west coast, with "News Talk 1130" slogans, and news items from Vancouver. WBBR was much reduced in strength, and the chief interference was KWKH's country music. New, BC #2. **(JR-NY)**
- 1140 CHRAB AB High River** - 10/24 0200 - absolutely crushing WRVA. **(JR-NY)**
- 1150 CJRC QC Gatineau** - 10/27 1802 - Good, over WTTT; many "CJRC 1150" IDs in French. **(BC-NH)**
- 1170 KOWZ MN Waseca** - 10/24 2359 - call letters heard during WWVA pause. **(JR-NY)**
- 1230 WTKG MI Grand Rapids** - 9/22 2021 - call letters in huge pile-up. **(JR-NY)**
- 1250 WSSP WI Milwaukee** - 10/30 1730 - in early with a signal stronger than the Ontario religious station. ESPN, but lots of local stuff mentioned. **(JR-NY)**
- 1310 WIBA WI Madison** – 10/30 0735 – creaming CIWW with "news 1310 WIBA, depend

- on it...it's 40 degrees in Madison" into local news. **(MKB-ON)**
- 1350 **WIOU IN Kokomo** - 10/31 0730 - popped in with call letters and mention of "Radio Ranch" address. Thanks to Scott and Blaine for helping me locate this one. **(JR-NY)**
- WNLK CT Norwalk** - 9/17 1932 - ID as "WNLK & WSTC". New. **(JR-NY)**
- WARF OH Akron** - 9/15 2115 - "Radio Free Ohio", new calls. **(JR-NY)**
- KDIO MN Ortonville** - 9/15 0138 - not much more than call letters heard. New. **(JR-NY)**
- WBLT VA Bedford** - 9/15 0040 - "A little bit of rock, a little bit of country", ABC News. Seems quite strong for 47 watts. New. **(JR-NY)**
- 1390 **WFBL NY Syracuse** - 10/18 2051 - "Let's pause 10 seconds on the WFAN Mets radio network" into ID as "Let's enter the no-spin zone Bill O'Reilly, noon till 2 weekdays on 1390 WFBL Syracuse". Returned to Mets playoff game v. Cardinals, with Mets leading 2-0 in fourth inning. Station website said that WFBL did night games and WSEN-1050 aired day games. Signal fair/poor, fading in and out of station with SS music, //WFAN-660 but with slight delay. **(MC-NJ)**
- WEGP ME Presque Isle** - 10/27 2205 - Unusually strong, over WFBL and unID oldies; "Up to the minute weather," then dual ID, "WEGP Presque Isle and WREM Monticello" into Health Talk program. **(BC-NH)**
- 1690 **WVON IL Berwyn** - 9/26 2358 - New calls, "The talk of Chicago". **(JR-NY)**

DX'er's Notebook

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Shared tips, topics, and Internet info

Patrick Martin, KAVT Reception Manager sent the following email to the NRC Net asking about proper QSL procedures and since this is a matter that concerns all of us, I thought that I would present his letter here so that members could comment on it and give their opinions and suggestions.

Patrick wrote: Greetings,

I recently received a correct reception report for KAVT, which many of you know, I am handling the QSLing for the CE. The reporter posted an interesting question. I thought I would ask for your input. I am sure this question has been asked and discussed in the past, but here I go. I was asked by the KAVT CE to handle the QSLing. I am happy to do it. I get a kick out of all of the places the station is heard. I do enjoy it, like I enjoy getting QSLs myself. But the reporter asked the question, since the QSL is not coming directly from the station, is the QSL legal?

I figure it is as I have the permission to handle the QSLs. But is it? I count all of my QSLs either from the station or from a person that is OKed to QSL the report. It is like the Committee to Preserve QSLs back East. They only accept certain kinds of QSLs. They do not want any prepared cards or CB QSLs. I don't know if they will accept e mail QSLs or not. But I do know there are purists out there that will not accept anything but a card or letter from the station. That person must not get too many QSLs these days then. Getting that letter or card from the station is getting harder to do.

The CE asks many times now that "Is there something I can just sign?" I guess you would go to the station and ask the PD or GM to type you out a QSL. But even at local KAST, the GM says they only QSL via email now. So the rules have to be changed. What worked years ago will no

longer work now, purist or not. But I wanted to kick this out and see what other DXers think. To start it out, myself, I will accept about anything confirming my reception on the letter, ppc, e mail, FAX, anything. I would rather have the letter or card, but it this day we are very fortunate to get anything back. I welcome your comments. Thanks. 73, Patrick Martin, KAVT Reception Manager

Since a QSL card from a station is the ultimate goal for many of us, does anyone have any suggestions or comments that will answer Patrick's question?

Good DXing

Expiring? Time to renew? Not sure when? Need to call or e-mail someone or join e-DXN or DXAS? Check the back page - it's all right there!

International DX Digest

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Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

DXing is like peeling an onion. Frequencies are often layered with signals two or three deep, but the top tier is so strong that you never get to the inner layers. Thus there are many unidentified and tentative entries in the logbook. Makes you want to cry.

Transatlantic DX

- 153 **ALGERIA** *Chaîne 1*, Bechar OCT 24 2309 - Arabic talk; fair. [Connelly*rw-MA]
162 **FRANCE** *France-Inter*, Allouis (47°10'N 02°12'E) OCT 24 2309 - French; good. [Connelly*rw-MA]
171 **MOROCCO** *R.Mediterranee Internationale*, Nador (35°03'N 02°55'W) OCT 24 2310 - French talk; fair to good. [Connelly*rw-MA]
177 **GERMANY** *Deutschlandradio Kultur*, Zehlendorf (52°48'N 13°24'E) OCT 24 2310 - German program; fair to good. [Connelly*rw-MA]
189 **ICELAND** *Ríkisútvarpid*, Gufuskálar (64°54'N 23°55'W) OCT 24 2311 - Jazz; fair to good. [Connelly*rw-MA]
198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al. OCT 24 2311 - Business talk with mentions of job cuts at aircraft plant in Belfast; strong. [Connelly*rw-MA]
207 **MOROCCO** *RTM Azilal* OCT 24 2312 - Arabic talk; through QI beacon (206) interference. [Connelly*rw-MA]
216 unID OCT 24 2312 - Fair-strength carrier, little or no audio, CLB beacon in background. [Connelly*rw-MA]
225 **POLAND** *R.Polonia*, Solec Kujawski (52°22'N 19°48'E) OCT 24 2313 - Slavic talk by woman; poor to fair. [Connelly*rw-MA]
234 **LUXEMBOURG** *R.Luxembourg*, Junglinster (49°40'N 06°19'E) OCT 24 2313 - Man in French; good. [Connelly*rw-MA]
252 **IRELAND** *RTÉ 1*, Clarkestown OCT 24 2315 - Talk about government grants, encouraging savings accounts; good. [Connelly*rw-MA]
531 **SPAIN** *RNE5* synthros OCT 24 2308 - Parallel 621 with Spanish music; fair over Algeria and others. [Connelly*rw-MA]
549 **ALGERIA** *Chaîne 1*, Les Trembles (35°17'N 00°34'W) OCT 24 2307 - Strings, bongo-like drums, male Arabic vocal; local-like, completely demolishing 550. [Connelly*rw-MA]
558 **SPAIN** *RNE5* synthros OCT 24 2306 - Parallel 585 et al. with Spanish talk; in WGAN slop. [Connelly*rw-MA]
567 **IRELAND** *RTÉ 1*, Tullamore (53°17'N 07°22'W) OCT 24 2305 - Pop music parallel 252; under Spain. [Connelly*rw-MA]
567 **SPAIN** *RNE5* synthros OCT 24 2305 - Parallel 576 with man in Spanish; over Ireland. [Connelly*rw-MA]
576 **CANARY ISLANDS // SPAIN** *RNE5* synthros OCT 24 2305 - Parallel 567 with fast Spanish talk; over others. [Connelly*rw-MA]
585 **SPAIN** *RNE1* Madrid (40°28'N 03°52'W) OCT 24 2304 - Spanish telephone interview; excellent. [Connelly*rw-MA]
594 **MOROCCO** *RTM A*, Oujda (34°40'N 01°51'W) OCT 24 2304 - Parallel 612 with Arabic talk, shouting; slightly over Portugal. [Connelly*rw-MA]
594 **PORTUGAL** *R.Renascença*, Muge (39°05'N 08°41'W) OCT 24 2317 - Portuguese rock song; now dominating over Morocco and possible Saudi Arabia. [Connelly*rw-MA]
603 **SPAIN** *RNE5* synthros OCT 24 2319 - Spanish parallel 621; barely over two others. [Connelly*rw-MA]
612 **MOROCCO** *RTM A*, Sebaa-Aioun (33°54'N 05°23'W) OCT 24 2303 - Fast newstalk by man in Arabic; loud, stronger than 610 CHNC/WGIR. 2319 huge with Arabic group vocal, strings, drums. [Connelly*rw-MA]
621 **CANARY ISLANDS // SPAIN** *RNE1* synthros, Santa Cruz de Tenerife et al. OCT 24 2141 - Parallel 1359 with Spanish talk; good. [Connelly*rw-MA] NOV 2 2303 - Excellent; man and woman with news, 2306 *R.Nacional de España* IDs, "Vive la noche, con... Radio Nacional de España." [Conti-NH]
639 **SPAIN** *RNE1* La Coruña et al. OCT 24 2301 - Parallel 657 with news in Spanish; fair through

- CBN slop. [Connelly*rw-MA] OCT 28 0025 - Blasting in over 640 CBN and WHLO. [Conti-NH]
- 657 **SPAIN** *RNE5* Madrid (40°28'N 03°52'W) OCT 24 2301 - Parallel 684 with Spanish news; loud. [Connelly*rw-MA] OCT 28 0417 - Good, well over unID talk (BBC?); talk in Spanish parallel 585 also good. [Conti-NH]
- 666 **PORTUGAL** *RDP 1* sychros OCT 24 2251 - Rock music parallel 720; good. [Connelly*rw-MA]
- 675 **NETHERLANDS** *Arrow Rock*, Lopik (52°01'N 05°03'E) OCT 24 2323 - Bit of DJ talk, Arrow mention, then slow bluesy vocal; fair through WRKO slop. [Connelly*rw-MA]
- 684 **SPAIN** *RNE1* Sevilla (37°12'N 05°55'W) OCT 24 2301 - Parallel 657 with Spanish news; good, over WRKO slop. 2324 loud with man and woman in Spanish. [Connelly*rw-MA]
- 693 **AZORES** *RDP 1*, Terceira (38°43'N 27°19'W) OCT 24 2257 - Afropop style vocal, then man in Portuguese; good. [Connelly*rw-MA] NOV 3 0703 - Good; news in Portuguese. [Conti-NH]
- 702 **ALGERIA** *Chaîne 1*, Djelfa NOV 2 2245 - Good; woman and vocal parallel an excellent 549 kHz. [Conti-NH]
- 702 unID OCT 24 2326 - Arabic talk, couldn't find anything else parallel. [Connelly*rw-MA]
- 711 **FRANCE** *France Info*, Rennes (47°51'N 01°30'W) OCT 24 2252 - Man in French; over mess. [Connelly*rw-MA]
- 720 **PORTUGAL** *RDP 1* sychros OCT 24 2251 - Parallel 666 with Portuguese rock vocal; slightly under CHTN. [Connelly*rw-MA]
- 729 **SPAIN** *RNE1* sychros OCT 24 2249 - Parallel 738 with a brief excerpt of "Something" by the Beatles, then Spanish talk; over others. [Connelly*rw-MA]
- 738 **SPAIN** *RNE1* Barcelona (41°23'N 02°12'E) OCT 24 2248 - Parallel 621 with discussion; good, over slight CHCM slop. [Connelly*rw-MA]
- 747 **CANARY ISLANDS** // **SPAIN** *RNE5* sychros OCT 24 2248 - Parallel 621 with discussion by man and woman in Spanish; very good. [Connelly*rw-MA]
- 747 **NETHERLANDS** *Radio 5*, Flevoland (52°23'N 05°25'E) NOV 2 2235 - Good; old-school rap in English, then an interview by a woman in Dutch. [Conti-NH]
- 756 **GERMANY** *Deutschlandfunk*, Braunschweig & Ravensburg OCT 24 2332 - Parallel 1422 with folk vocal; good, over Spain. [Connelly*rw-MA] OCT 29 0418 - Fair with classical music. [Connelly*B-MA] NOV 2 2225 - Excellent; news/talk in German parallel 6190 kHz. [Conti-NH]
- 756 **SPAIN** *R.Euskadi*, Bilbao OCT 24 2247 - Spanish talk; over others. [Connelly*rw-MA]
- 765 **SWITZERLAND** *RSR Option Musique*, Sottens (46°39'N 06°44'E) OCT 24 2246 - James Last type orchestral music; generally atop. [Connelly*rw-MA] OCT 29 0411 - "Honesty" by Billy Joel; excellent. [Connelly*B-MA]
- 765 unID OCT 24 2246 - Koranic a cappella male vocal; under Switzerland. Senegal active? Iran, Turkey, and Saudi Arabia are other possibilities. [Connelly*rw-MA]
- 774 **SPAIN** *RNE1* sychros OCT 24 2244 - Parallel 621 with talk, soft music; fair. 2333 Spanish joking, laughing; now huge. [Connelly*rw-MA] NOV 2 2220 - Good over unID; talk with synchro echo. [Conti-NH]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott (18°07'N 15°57'W) OCT 24 2243 - Parallel 4845 with man and woman talking in Arabic through a cheap '50s-type reverb, then string music, more talk; good, over others. 2333 drumming; loud. [Connelly*rw-MA]
- 792 **SPAIN** *SER* Seville OCT 24 2241 - Parallel 1116 with teletalk; good, dominant. [Connelly*rw-MA]
- 801 **SPAIN** *RNE1* sychros OCT 24 2240 - Parallel 621, 855 with talk; poor. [Connelly*rw-MA]
- 819 **EGYPT** *ERTU* Batra (31°09'N 31°27'E) OCT 24 2334 - Woman in Arabic; over Morocco. [Connelly*rw-MA]
- 819 **MOROCCO** *RTM* Rabat OCT 24 2334 - Parallel 612 with Arabic vocal; way under Egypt and over bits of apparent Spain. [Connelly*rw-MA]
- 837 **CANARY ISLANDS** // **SPAIN** *COPE* sychros OCT 24 2145 - Parallel 1296 with man and woman in Spanish; good. [Connelly*rw-MA]
- 855 **SPAIN** *RNE1* sychros OCT 24 2238 - Chinese-sounding instrumental music, then man and woman in Spanish, echoey audio; strong (within 10 dB of adjacent 850 WEEI strength). [Connelly*rw-MA]
- 864 **EGYPT** *ERTU* Santah (30°45'N 31°08'E) OCT 24 2237 - Koranic vocal; loud, totally dominant. [Connelly*rw-MA]
- 864 **FRANCE** *France Bleu*, Villebon-sur-Yvette (48°41'N 02°14'E) OCT 24 2335 - Tina Turner ver-

- sion of "Proud Mary"; good during Egypt fades. [Connelly*rw-MA] NOV 3 0420 - Good, over presumed Egypt; man and woman in French, telephone talk. [Conti-NH]
- 873 **SPAIN** *SER* synchros OCT 24 2237 - Parallel 1116 with Spanish talk by man, sound-effects music, talk by woman; fair over jumble. [Connelly*rw-MA]
- 882 **CANARY ISLANDS // SPAIN** *COPE* synchros OCT 24 2236 - Parallel 837 with fast Spanish talk by two or three men; good, over UK. [Connelly*rw-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales, Washford* (51°10'N 03°21'W) OCT 27 2124 - BBC talk by man; fair. [Connelly*B-MA]
- 890.98 **ALGERIA** *Chaîne 1, Algiers* (36°40'N 03°09'E) OCT 24 2235 - Arabic song; at low audio level on big carrier. [Connelly*rw-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5 Live* synchros OCT 24 2340 - Discussion of international business; to good peak, getting by 910 WABI. [Connelly*rw-MA]
- 909 unID NOV 2 2338 - Bits of Middle Eastern or North African music, too far under *BBC5* and local 900 WGAM slop to be identifiable. [Conti-NH]
- 936 **SPAIN** *RNE5* synchros OCT 24 2341 - Parallel 774 with man in Spanish; fair. [Connelly*rw-MA]
- 945 **FRANCE** *France Info, Toulouse* (43°21'N 01°20'E) OCT 24 2233 - Man mentioned several French cities; good. [Connelly*rw-MA] OCT 28 0403 - French news by man; good. [Connelly*B-MA]
- 954 **SPAIN** *Onda Cero, Madrid* OCT 24 2232 - Spanish discussion; fair. [Connelly*rw-MA]
- 963 **PORTUGAL** *R.Renascença, Seixal* (38°38'N 09°05'W) OCT 24 2231 - Man and woman in Portuguese; fair over others. This channel is much easier to DX with CHNS moved to FM. [Connelly*rw-MA]
- 963 unID OCT 25 2157 - Maybe Finland trying to break through here (during good northern conditions) with carrier, bits of audio. [Connelly*B-MA]
- 972 **SPAIN** *RNE1* synchros OCT 24 2341 - Parallel 774 with Spanish talk; in mix with likely Libya and Germany. [Connelly*rw-MA]
- 981 **PORTUGAL** *R.Renascença* synchros OCT 24 2342 - Portuguese-sounding talk; in jumble. [Connelly*rw-MA]
- 990 **SPAIN** *SER* synchros OCT 24 2229 - Parallel 1116 with Spanish talk; mixed with CBY. [Connelly*rw-MA]
- 999 **MOLDOVA-PRIDNESTROVYE** *Voice of Russia, Maiac* OCT 24 2227 - Possibly this with Slavic-sounding vocal; under Spain. [Connelly*rw-MA] OCT 27 2122 - Russian talk; under Spain. [Connelly*B-MA]
- 999 **SPAIN** *COPE* Madrid (40°28'N 03°52'W) OCT 15 0416 - Fast Spanish talk by man; good. [Connelly*B-MA] OCT 24 2226 - Parallel 837 with emotional Spanish talk by man; mixed with others. [Connelly*rw-MA]
- 1008 **SPAIN** *SER* synchros OCT 24 2225 - Parallel 1116 with Spanish talk; under pop-dance station that may have been Canary Islands or Holland. [Connelly*rw-MA]
- 1017 **SPAIN** *RNE5* synchros OCT 24 2342 - Spanish talk; poor. [Connelly*rw-MA]
- 1017 **TURKEY** *TRT Mundanya* (40°21'N 28°41'E) OCT 15 0415 - Operatic female Middle East vocal; good. [Connelly*B-MA]
- 1026 **SPAIN** *SER* synchros OCT 24 2224 - Parallel 1116 with Spanish teletalk; fair to good with WBZ phased. [Connelly*rw-MA]
- 1035 **PORTUGAL** *R.Clube Português, Belmonte* OCT 24 2222 - Romantic Portuguese female vocal; very good signal. Audio cut in and out a few times as though a studio patch cord was loose. [Connelly*rw-MA]
- 1044 **MOROCCO** *RTM A/C, Sebaâ-Aioun* (33°54'N 05°23'W) OCT 24 2220 - Woman in Arabic, then string music and female vocal; good, in tight phaser null of WBZ IBOC. [Connelly*rw-MA]
- 1044 **SPAIN** *SER* synchros OCT 24 2343 - Parallel 1116 with woman in Spanish with some teletalk; good. [Connelly*rw-MA]
- 1053 **UNITED KINGDOM** *TalkSport* synchros OCT 24 2218 - *TalkSport* ID; over Spain and a growl from a North African station on 1053.05 kHz. [Connelly*rw-MA]
- 1062 **DENMARK** *Danmarks Radio, Kalundborg* (55°40'N 11°04'E) OCT 28 0315 - Good; Rod Stewart disco hit "Da Ya Think I'm Sexy?" [Conti-NH] OCT 28 0359 - Cover version of Troggs oldie "Love is All Around," then man in Danish; good. [Connelly*B-MA]
- 1080 **SPAIN** *SER* synchros OCT 24 2216 - Parallel 1116 with Spanish teletalk; very good, completely over phased WTIC. [Connelly*rw-MA]
- 1088 **ANGOLA** *R.Nacional, Mulenvos* OCT 24 2214 - Bits of group vocal; to fair peak through 1089 UK slop. [Connelly*rw-MA]

- 1089 **UNITED KINGDOM** *TalkSport* synchros OCT 24 2214 - Talk about hookers offering their services to soldiers in combat areas. [Connelly*rw-MA] OCT 28 0327 - Good; talking with U.S. reporter about what to do in Iraq. Over unID music, probably Albania. [Conti-NH]
- 1098 **SLOVAKIA** *Slovenský rozhlas*, Nitra (48°17'N 17°59'E) OCT 28 0335 - Presumed this with classical-style female vocal over echoing *RNE* Spain synchros. [Conti-NH]
- 1098 **SPAIN** *RNE5* synchros OCT 24 2144 - Parallel 1305 with fast Spanish talk; good but very echoey. [Connelly*rw-MA]
- 1107 **SPAIN** *RNE5* synchros OCT 24 2212 - Parallel 1098 with woman in Spanish; still a bad growl here. [Connelly*rw-MA]
- 1116 **SPAIN** *SER* synchros OCT 15 0433 - Several men in Spanish including phone caller and in-studio group; to excellent peak. [Connelly*B-MA] OCT 24 2211 - *SER* Spanish newstalk; excellent. [Connelly*rw-MA]
- 1125 **CROATIA** *Glas Hrvatske*, Deanovec (45°42'N 16°29'E) OCT 24 2346 - Parallel huge 1134 with traditional chorus; to good peak. [Connelly*rw-MA]
- 1134 **CROATIA** *Glas Hrvatske*, Zadar (44°06'N 15°15'E) OCT 24 2210 - Slavic rock; loud. [Connelly*rw-MA] OCT 27 2219 - Man and woman with British-accented English news about eastern Europe; good. [Connelly*B-MA]
- 1143 **SPAIN** *COPE* synchros OCT 24 2347 - Fast talk parallel 837; good. [Connelly*rw-MA]
- 1152 **SPAIN** *RNE5* synchros OCT 24 2348 - Parallel 621 with echoey Spanish talk; loud, much stronger than the adjacent 1150 CHGM and WTTT mix. [Connelly*rw-MA]
- 1170 **UNITED ARAB EMIRATES** *R.Sawa*, Al Dhabiya (24°11'N 54°14'E) OCT 24 2158 - Female Arabic vocal; loud, actually blowing through strong semi-local daytimer WFPB at times! [Connelly*rw-MA]
- 1179 **CANARY ISLANDS // SPAIN** *SER* synchros OCT 24 2153 - Spanish talk, "Cadena SER" ID by woman; strong but barely over one or two other stations. [Connelly*rw-MA]
- 1179 **SWEDEN** *R.Sweden International*, Sölvesborg (55°59'N 14°40'E) OCT 27 2155 - Woman with news in English; fair. OCT 28 0502 - News by woman in Swedish; to good peak. [Connelly*B-MA] OCT 28 2117 - Good; talk in Swedish parallel 6065 kHz. [Conti-NH]
- 1179 unID OCT 24 2154 - "Nothing Compares 2 U" by Sinéad O'Connor came way over *SER* for a while, station atop again with fat signal at 2209 UTC with "O Sole Mio" vocal and a few unID language words by a woman. Didn't seem parallel 1332 Romania. [Connelly*rw-MA]
- 1188 **BELGIUM** *VRT Radio 2*, Kuurne (50°52'N 03°16'E) OCT 24 2152 - Reggae-influenced pop vocal; to fair peak. [Connelly*rw-MA]
- 1197 **SPAIN** *Euskadi Irratia*, Vitoria OCT 24 2152 - Spanish teletalk show with woman; good. [Connelly*rw-MA]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 00°11'W) OCT 24 2150 - French talk about education, something in Marseilles, sports (auto racing, boating); local-like. [Connelly*rw-MA] OCT 27 2217 - Woman in French mentioned Etats Unis; very good. [Connelly*B-MA] NOV 2 2125 - Good; news in French. [Conti-NH]
- 1206 unID OCT 24 2151 - Possibly Israel with female Middle Eastern vocal; under France. [Connelly*rw-MA]
- 1215 **SPAIN** *COPE* synchros NOV 2 2135 - Good, well over *Virgin Radio*; talk in Spanish. [Conti-NH]
- 1215 **UNITED KINGDOM** *Virgin Radio* synchros OCT 24 2148 - "Spooky" swishing audio oscillator sounds, UK DJ talked about coven, Halloween, win a night in a haunted hotel; good, dominant over Spain. [Connelly*rw-MA] OCT 25 0305 - *Virgin Radio* IDs between songs. Good at times. [Hayes-PA] OCT 27 2216 - "Iris" by the Goo Goo Dolls; to good peak. [Connelly*B-MA]
- 1224 **SPAIN** *COPE* synchros OCT 24 2147 - Two Spanish talkers, dominant one was *COPE* parallel 837; good. [Connelly*rw-MA]
- 1251 **LIBYA** *Libyan Jamahiriya*, Tripoli (32°50'N 13°00'E) OCT 24 2146 - Male Arabic vocal and orchestra, then Arabic talk by man; good. [Connelly*rw-MA] OCT 27 2215 - String music, male Arabic vocal; fair. [Connelly*B-MA]
- 1296 **SPAIN** *COPE* Valencia OCT 24 2145 - Parallel 837 with man and woman in Spanish; fair. [Connelly*rw-MA]
- 1305 **SPAIN** *RNE5* synchros OCT 24 2144 - Parallel 1098 with fast talk by man; good, some synchro-echo present. [Connelly*rw-MA] OCT 27 2214 - Spanish talk; fair. [Connelly*B-MA]
- 1314 **SPAIN** *RNE5* synchros OCT 24 2143 - Very echoey Spanish talk over possible Middle Eastern station. [Connelly*rw-MA]
- 1323 **GERMANY** *Voice of Russia* relay, Wachenbrunn OCT 28 0507 - Woman reading news about Russia in English; fair through CKEC slop. [Connelly*B-MA]

- 1323 unID OCT 24 2142 - Sounded like Arabic vocal at low audio level (perhaps under second signal blank carrier). This channel is seldom usable because of adjacent CKEC. [Connelly*rw-MA]
- 1341 **NORTHERN IRELAND** *BBC Radio Ulster*, Lisnagarvey (54°30'N 06°04'W) OCT 24 2353 - Woman read stock market or commodity trading prices given in pounds; poor. [Connelly*rw-MA]
- 1341 unID OCT 24 2353 - Arabic-sounding vocal mixing in with Northern Ireland at times, sub-audible het 2 Hz. [Connelly*rw-MA]
- 1359 **EGYPT** *Cultural Programme*, Batra OCT 24 2355 - Most likely this with Koranic vocal; briefly over Spain. [Connelly*rw-MA]
- 1359 **SPAIN** *RNE Arganda del Rey* OCT 24 2141 - Parallel 621 with Spanish talk; good. [Connelly*rw-MA]
- 1377 **FRANCE** *France Info*, Lille (50°31'N 02°59'E) OCT 24 2139 - Parallel 1557 with man in French; to good peak over WMYF slop. [Connelly*rw-MA] OCT 28 0050 - An s9+20 signal, comparable to local 1370 WFEA at s9+40; orchestra instrumental. [Conti-NH]
- 1385.91 **GUINEA** *R.Rurale*, Labé OCT 24 2137 - Afro-accented French talk by man; fair during pauses in WPLM slop. [Connelly*rw-MA]
- 1395 **NETHERLANDS** *The Big L*, Trintelhaven (52°38'N 05°25'E) OCT 24 2355 - US soul music; fair. [Connelly*rw-MA]
- 1404 **FRANCE** *France Info* synchros OCT 24 2358 - Parallel loud 1206 with "My Heart Will Go On" by Celine Dion (from "Titanic" film); fair. [Connelly*rw-MA]
- 1422 **ALGERIA** *RTA Algiers* (36°40'N 03°09'E) OCT 24 2136 - Arabic talk by man; over Germany. [Connelly*rw-MA]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler (49°21'N 06°55'E) OCT 24 2332 - Parallel 756 with folk vocal; to fair peak. [Connelly*rw-MA]
- 1431 **DJIBOUTI** *R.Sawa*, Arta (11°31'N 42°50'E) OCT 24 2135 - Sawa ID by man, then male Arabic vocal; good. [Connelly*rw-MA]
- 1467 **FRANCE** *TWR Roumoules* (43°47'N 06°09'E) OCT 24 2134 - huge signal with woman in Arabic. [Connelly*rw-MA]
- 1503 **IRAN** *IRIB Sarasary*, Bushehr (28°58'N 50°51'E) OCT 24 2359 - Koran; good, over Spain. [Connelly*rw-MA]
- 1521 **SAUDI ARABIA** *BSKSA Duba* (27°20'N 35°45'E) OCT 24 2112 - Live performance with male Arabic vocal, strings, flute, and percussion; local-like. [Connelly*rw-MA] NOV 3 0310 - Excellent, het wiping out 1520 WWKB; woman in Arabic. [Conti-NH]
- 1521 **SPAIN** *SER Castellón* OCT 25 0003 - Spanish news by woman; good with WWKB phased. [Connelly*rw-MA]
- 1530 **MADEIRA** *Posto Emissor do Funchal*, Funchal OCT 25 0005 - Tentative, most likely this with Portuguese talk atop WVBF for awhile with WCKY in phase-null. WDJZ daytimer believed to be off. Domestics unlikely anyway because the cardioid array was taking out everything from west to southwest. If phasing was reversed to peak those bearings, the Portuguese talker was gone. [Connelly*rw-MA]
- 1548 **KUWAIT** *R.Sawa*, Kabd-Kuwait City (29°10'N 47°32'E) OCT 25 0007 - "Kiss Me" by Sixpence None the Richer, then Sawa ID; over two UK stations. [Connelly*rw-MA]
- 1550 **ALGERIA** *RASD Tindouf* OCT 24 2330 - Parallel 7425 with 'tribal' vocal music and droning strings; fair over CBE and others. [Connelly*rw-MA]
- 1557 **FRANCE** *France Info*, Fontbonne (43°46'N 07°25'E) OCT 24 2115 - Woman in French; excellent. [Connelly*rw-MA]
- 1575 **SPAIN** *SER* synchros OCT 24 2121 - Spanish talk; under *R.Farda*. [Connelly*rw-MA]
- 1575 **UNITED ARAB EMIRATES** *R.Farda*, Al Dhabiya (24°11'N 54°14'E) OCT 24 2121 - Mideast rock music; good. [Connelly*rw-MA] OCT 26 0240 - Good on peaks with excerpts of President Bush's speeches on terror with explanations. "Radio Farda" IDs by a woman. [Hayes-PA]
- 1584 **CEUTA** *RadiOlé*, Ceuta (35°53'N 05°17'W) OCT 24 2125 - Classically-influenced rock with piano and children's chorus, then man in Spanish spoke about guitar-playing. Traditional male vocal with folk guitar followed. Good, over *SER*. [Connelly*rw-MA]
- 1593 unID OCT 25 0010 - Arabic talk, music; poor. Not sure if Kuwait or Egypt. [Connelly*rw-MA]

Pan-American DX

- 555 **ST. KITTS & NEVIS** *ZIZ Basseterre* (17°19'N 62°44'W) OCT 29 0416 - Caribbean English political talk by man, then into calypso vocal; to good peak. [Connelly*B-MA] NOV 3 0650 - Good; BBC World Service. [Conti-NH]

- 610 **MEXICO** XEBX Sabinas, Coah (27°53'N 101°09'W) NOV 2 1200 - Ending accordion music in Spanish, "XEBF Sabinas, Coahuila." [Heinen-CO]
- 640 **MEXICO** XEJUA Cd. Juárez, Chih (31°54'N 106°29'W) OCT 28 0302 - Hour of romántica music, XEJUA call with legal ID; fair with XEHHI interference. [Heinen-CO]
- 640 **MEXICO** XEHHI *R.Uno*, Hidalgo del Parral, Chih (26°56'N 105°40'W) OCT 28 0200 - Out of Spanish music, "XEHHI Radio Uno," complete ID. [Heinen-CO]
- 660 **MEXICO** XEACB Cd. Delicias, Chih (28°11'N 105°31'W) OCT 26 0603 - After Spanish rock music, "Esta es XEACB 660 AM Ciudad Delicias" ID to more rock music. [Heinen-CO]
- 730 **COLOMBIA** HJCU *R.Lider*, Bogotá (04°39'N 74°08'W) NOV 3 0125 - "Radio Lider... Colombia" ID and talk in Spanish, popped up while working unID gospel and country music stations, CKAC nulled out. [Conti-NH]
- 730 **CUBA** CMBB *R.Progreso*, Nueva Gerona, Isla de la Juventud (21°53'N 82°48'W) NOV 3 0150 - On top now; Monchy y Alexandra duet parallel a strong 640 kHz. [Conti-NH]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza (03°45'S 38°31'W) OCT 24 2245 - Portuguese talk; to good peak. [Connelly*rw-MA]
- 760 **COLOMBIA** HJAJ RCN Barranquilla (10°53'N 74°49'W) NOV 3 0230 - Good; "RCN Noticias." [Conti-NH]
- 920 **MEXICO** XEQD Chihuahua (28°41'N 106°05'W) OCT 19 0306 - Ending noticas, XEQD call ID; dominant. [Heinen-CO]
- 920 **MEXICO** XEHQ *R.Capital*, Hermosillo, Son (29°03'N 110°53'W) OCT 19 1104 - Out of Spanish music, "Radio Capital XEHQ 920 AM" in Spanish; fair. [Heinen-CO]
- 1090 **MEXICO** XEPRS *Double X*, Rancho del Mar-Rosarita BCN (32°24'N 117°05'W) OCT 16 0957 - Auto dealer ad, "Double X Sports Radio" ID, ad with 949 area code, woman with Spanish ID, "Equis-eh-pe-ere-es," man with Spanish announcement, and man with English announcement, "...105.7 FM and 1090 AM, Double X Sports Radio"; into Fox Sportsradio "National Sports Report." Fair to very poor. [Park-HI]
- 1300 **MEXICO** XEP *R.Trece*, Cd. Juárez, Chih (31°43'N 106°27'W) OCT 31 1300 - Ending Spanish music to XEP ID straight to more music. [Heinen-CO]

Transpacific DX

- 819 unID OCT 16 0828 - Two very weak stations hetting against a signal on 820 (WBAP Texas?); one had a New Zealand accent. 830 KHVH off during post-earthquake island wide blackout. Very poor. [Park-HI]

Contributors

- Mark Connelly, Billerica MA; R8A, dual-feedline corner-fed loop, 15.2 m horiz. by 7.6 m vert., base height 4.5 m, axis NE-SW.
- Mark Connelly, Rowley MA; R8A, DXP-6, cardioid array on roof of car = 3.7 m whip (MFJ-1956) to 81:1 transformer to DX Engineering RPA-1 amp + broadband loop in vertical plane, square, 2 m per side, to 1:1 transformer to DX Engineering RPA-1 amp, axis E-W.
- Bruce Conti, Nashua NH; R8B, MWDX-5, 15 x 23-m terminated corner-fed broadband loops east and south.
- Harry Hayes, Wilkes-Barre PA; Grundig S350, Kiwa Pocket Loop.
- Wayne Heinen, Aurora CO; R8B, north/south Flag, east/west Flag, modified 4-ft NRC Altazimuth loop, 15-ft vertical whip, Dual TG-1 Termination Gizmo with 2-BUF-F amplifiers, Mini DXP5, DX Engineering RPA-1.
- Dale Park, Honolulu HI; Sangean ATS-818CS, Terk AM1000 loop.

International News

- CUBA:** While recently in Holguín on two occasions, *R.Angulo* was heard operating with a very strong signal on **1110 kHz** while 740 was empty on the first occasion and heard very faintly one week later. 1110 is quite powerful as it was also received in Bayamo very well. *R.Angulo* is a provincial radio station for Holguín. 740 might have been off air, or operating low power from out of town. *R.Angulo* was also heard in Holguín on 97.7 and 92.3 FM. [Stig Hartvig Nielsen, MWC via Jim Renfrew]

73 and Good DX!

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Graveyard Achievements

Bill Hale w_r_hale@sbcglobal.net
6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552

Distance records for stations logged on graveyard frequencies



Logged from Jan 1, 1960 to Present

Date of Last Update: October 13, 2006

indicates record held by a DXer in Alaska or Hawaii

* indicates record held by DXer from North America (excluding Alaska)

Station	City	DXer	DX Location	Miles	
WMSL	AL	Decatur	Joe Fela	Newark, NJ	819
WJLD	AL	Fairfield	Russ Johnson	Lexington, NC	411
WDLL	AL	Ft. Payne	Barry McLarnon	Ottawa, ON	919
WJHO	AL	Opelika	Charles Reh	Leamington, ON	667
KSEW	AK	Sitka	Pete Taylor	San Francisco, CA	1459
AFRN	AK	Tok	Esa Hänninen	Lemmenjoki, Finland	3291
KJKJ	AZ	Flagstaff	John Johnson	Sheridan, WY	709
KSUN	AZ	Phoenix	Olle Alm	Abisko, Sweden	4976
KXIV	AZ	Phoenix	Ernie Wesolowski	Omaha, NE	*1026
KXIV	AZ	Phoenix	Bill Harms	Spokane Valley, WA	(Tie) *1026
KRVZ	AZ	Springerville	Jim Boehm	San Antonio, TX	712
KTUC	AZ	Tucson	Jim Boehm	San Antonio, TX	764
KEZC	AZ	Yuma	Esa Hänninen	Lemmenjoki, Finland	5148
KVOY	AZ	Yuma	Pete Taylor	San Francisco, CA	*566
KELD	AR	El Dorado	Charles Reh	Leamington, ON	932
KCLA	AR	Pine Bluff	Carl Dabelstein	Lincoln, NE	523
KWYN	AR	Wynne	Bill Dvorak	Madison, WI	543
KVTO	CA	Berkeley	Richard E. Wood	Hilo, HI	#2333
KVTO	CA	Berkeley	Tim Hall	Fitz Hugh Sound, BC	*1001
KRCQ	CA	Indio	Tim Hall	Chula Vista, CA	89
KQMS	CA	Redding	Esa Hänninen	Lemmenjoki, Finland	4709
KQMS	CA	Redding	John Johnson	Sheridan, WY	*833
KKJL	CA	San Luis Obispo	Richard E. Wood	Hilo, HI	#2354
KSly	CA	San Luis Obispo	Phil Bytheway	Seattle, WA	858
KKZL	CA	Santa Paula	Richard E. Wood	Hilo, HI	#2421
KQIQ	CA	Santa Paula	Phil Bytheway	Seattle, WA	933
KTRT	CA	Truckee	Nancy Johnson	Aberdeen, WA	558
KUKI	CA	Ukiah	Tim Hall	Chula Vista, CA	567
KEYX	CA	Visalia	Esa Hänninen	Lemmenjoki, Finland	4959
KONG	CA	Visalia	Phil Bytheway	Seattle, WA	*793
KRLN	CO	Canon City	Shawn Axelrod	Winnipeg, MB	871
KDTA	CO	Delta	Shawn Axelrod	Winnipeg, MB	927
KFTM	CO	Fort Morgan	Olle Alm	Abisko, Sweden	4374
KFTM	CO	Fort Morgan	Tim Hall	Tombstone, AZ	*685
KBLJ	CO	La Junta	Bill Dvorak	Madison, WI	826
KWUF	CO	Pagosa Springs	Art Blair	Folsom, CA	776
WSTC	CT	Stamford	Niel Wolfish	Burnt River, ON	363
WILI	CT	Willimantic	Jeff Falconer	Clinton, ON	487
WFTL	FL	Ft. Lauderdale	Marc DeLorenzo	Hyannis, MA	1209
WIRA	FL	Ft. Pierce	UK DXpedition	Sheigra, Scotland	4093
WIRA	FL	Ft. Pierce	Steve Francis	Alcoa, TN	*614
WFAV	FL	Ft. Walton Beach	Barry McLarnon	Ottawa, ON	1188
WZAZ	FL	Jacksonville	Mike Hardester	Jacksonville, NC	394
WPRY	FL	Perry	Ron Bailey	Shelby, NC	372
WUEZ	FL	Sanford	Shawn Axelrod	Orlando, FL	20
WTRR	FL	Sanford	Pete Taylor	Orlando, FL	(Tie) 20
WZHR	FL	Zephyrhills	Russ Johnson	Lexington, NC	534
WAJQ	GA	Alma	Don Trelford	Runaway Bay, Jamaica	962
WLTA	GA	Alpharetta	Ron Bailey	Shelby, NC	173
WCLB	GA	Camilla	Karl Jeter	Stone Mountain, GA	182
WWRK	GA	Elberton	Steve Francis	Alcoa, TN	129
WNEX	GA	Macon	Russ Edmunds	Blue Bell, PA	686
WCOH	GA	Newnan	Ron Bailey	Shelby, NC	225
WGA	GA	Savannah	Jeff Falconer	Clinton, ON	799
KART	ID	Jerome	Esa Hänninen	Lemmenjoki, Finland	4480
KART	ID	Jerome	LEM96	Lemmenjoki, Finland	(Tie) 4480

KART	ID	Jerome	Tim Hall	Revillagigedo Channel, AK	#1122
KART	ID	Jerome	Tim Hall	Chatham Sound, BC	*1099
KRPL	ID	Moscow	Esa Hänninen	Lemmenjoki, Finland	4233
KRPL	ID	Moscow	MB DXpedition	Valhalla Beach, MB	*966
KIGO	ID	St. Anthony	Shawn Axelrod	Winnipeg, MB	789
KSPT	ID	Sandpoint	Olle Alm	Abisko, Sweden	4055
KSTP	ID	Sandpoint	Ernie Wesolowski	Omaha, NE	*1111
WDWS	IL	Champaign	Joe Fela	Newark, NJ	741
WGIL	IL	Galesburg	Esa Hänninen	Lemmenjoki, Finland	4196
WGIL	IL	Galesburg	Barry McLarnon	Ottawa, ON	*794
WROZ	IN	Evansville	Carl Dabelstein	Lincoln, NE	526
WBAT	IN	Marion	Esa Hänninen	Lemmenjoki, Finland	4128
WBAT	IN	Marion	Shawn Axelrod	Winnipeg, MB	*841
KCOG	IA	Centerville	Shawn Axelrod	Winnipeg, MB	651
KADR	IA	Elkader	Shawn Axelrod	Winnipeg, MB	546
KVFD	IA	Ft. Dodge	Shawn Axelrod	Winnipeg, MB	517
KVOE	KS	Emporia	Niel Wolfish	Winnipeg, MB	782
KVOE	KS	Emporia	Shawn Axelrod	Winnipeg, MB	(Tie) 782
KAYS	KS	Hays	Olle Alm	Karesuando, Sweden	4443
KAYS	KS	Hays	Shawn Axelrod	Winnipeg, MB	*768
KAYS	KS	Hays	Morris Sorensen	Winnipeg, MB	(Tie) *768
WCYN	KY	Cynthiana	Carl Dabelstein	Lincoln, NE	650
WIEL	KY	Elizabethtown	John J. Rieger	South Milwaukee, WI	376
WFTG	KY	London	Ernie Wesolowski	Omaha, NE	705
WFPR	LA	Hammond	Thomas Giella	Plant City, FL	534
KAOK	LA	Lake Charles	Carl Dabelstein	Lincoln, NE	761
KAOK	LA	Lake Charles	Bob McCoy	Lincoln, NE	(Tie) 761
KWLA	LA	Many	Bruce Winkelman	Tulsa, OK	343
WMME	ME	Augusta	Carl Dabelstein	Omaha, NE	1333
WIDE	ME	Biddeford	Joe Kureth	Uniontown, MD	360
WMCS	ME	Machias	Jerry Starr	Youngstown, OH	740
WWNZ	ME	Veazie	Barry McLarnon	Ottawa, ON	350
WWIN	MD	Baltimore	Denis Picard	Trois-Rivières-Ouest, QC	528
WHTB	MA	Fall River	Joe Kureth	Uniontown, MD	345
WHTB	MA	Fall River	Barry McLarnon	Ottawa, ON	(Tie) 345
WLLH	MA	Lowell	Joe Kureth	Uniontown, MD	367
WHMP	MA	Northampton	Jeff Falconer	Clinton, ON	459
WRCC	MI	Battle Creek	Russ Edmunds	Blue Bell, PA	537
WQBH	MI	Detroit	Shawn Axelrod	Winnipeg, MB	839
WLJN	MI	Elmwood Township	Barry McLarnon	Ottawa, ON	484
WCCY	MI	Houghton	Shawn Axelrod	Winnipeg, MB	432
WGON	MI	Munising	Olle Alm	Abisko, Sweden	3642
WGON	MI	Munising	Carl Dabelstein	Lincoln, NE	*634
WSAM	MI	Saginaw	Shawn Axelrod	Winnipeg, MB	763
WSJM	MI	St. Joseph	Barry McLarnon	Ottawa, ON	578
WKNW	MI	Sault Ste. Marie	MB DXpedition	Valhalla Beach	643
KEYL	MN	Long Prairie	Bruce Winkelman	Tulsa, OK	687
KMHL	MN	Marshall	Ron Schiller	Monmouth Beach, NJ	1145
WMIN	MN	St. Paul	Morris Sorensen	Winnipeg, MB	388
WHLB	MN	Virginia	Esa Hänninen	Lemmenjoki, Finland	3817
WHLB	MN	Virginia	Morris Sorensen	Amaranth, MB	*352
WBIP	MS	Booneville	Ernie Wesolowski	Omaha, NE	614
WMBC	MS	Columbus	Steve Francis	Alcoa, TN	298
WFOR	MS	Hattiesburg	Steve Francis	Alcoa, TN	455
WKXI	MS	Jackson	Barry McLarnon	Ottawa, ON	1186
KFRU	MO	Columbia	Pete Taylor	San Francisco, CA	1632
KJCF	MO	Festus	Frank Merrill	Holland, OH	424
KSIM	MO	Sikeston	Dave Whatmough	Hamilton, ON	679
KGBX	MO	Springfield	Shawn Axelrod	Winnipeg, MB	884
KDRG	MT	Deer Lodge	Esa Hänninen	Lemmenjoki, Finland	4203
KDRG	MT	Deer Lodge	Ernie Wesolowski	Omaha, NE	*901
KXGN	MT	Glendive	Morris Sorensen	Leaf Rapids, MB	570
KARR	MT	Great Falls	Pete Taylor	San Francisco, CA	872
KJJR	MT	Whitefish	Bill Harms	Spokane Valley, WA	146
KBRB	NE	Ainsworth	Phil Bytheway	Seattle, WA	1149
KCOW	NE	Alliance	Esa Hänninen	Lemmenjoki, Finland	4530
KCOW	NE	Alliance	Shawn Axelrod	Winnipeg, MB	*591
KLIN	NE	Lincoln	Esa Hänninen	Lemmenjoki, Finland	4321
KLIN	NE	Lincoln	Shawn Axelrod	Winnipeg, MB	*612
KLIN	NE	Lincoln	Tim Hall	Winnipeg, MB	(Tie) *612
KBMI	NV	Henderson	Phil Bytheway	Seattle, WA	882
KSHP	NV	North Las Vegas	Tim Hall	Crescent City, CA	628
KBDB	NV	Sparks	Tim Hall	Crescent City, CA	278

KWNA	NV	Winnemucca	Olle Alm	Abisko, Sweden	4565
KWNA	NV	Winnemucca	Ernie Wesolowski	Omaha, NE	*1123
WTSL	NH	Hanover	Christian DeHaes	Chicoutimi, QC	333
WLTN	NH	Littleton	Joe Kureth	Uniontown, MD	425
WOND	NJ	Pleasantville	Tim Hall	Tampa, FL	913
KMIN	NM	Grants	Tim Hall	San Diego, CA	552
KTRC	NM	Santa Fe	Rick Dau	Oakland, IA	692
KCHS	NM	Truth or Consequences	John Wilkins	Wheat Ridge, CO	473
KTNM	NM	Tucumcari	Jerry Starr	Hubbard, OH	1300
WABY	NY	Albany	UK DXpedition	Sheigra, Scotland	3048
WABY	NY	Albany	Charles Reh	Leamington, ON	*449
WYSL	NY	Buffalo	Russ Edmunds	Parsippany, NJ	268
WDNY	NY	Dansville	Barry McLarnon	Ottawa, ON	217
WSLB	NY	Ogdensburg	Charles Reh	Leamington, ON	401
WBTB	NC	Beaufort	Barry McLarnon	Ottawa, ON	738
WGBC	NC	Greensboro	John Wilkins	West Des Moines, IA	832
WSHB	NC	Raeford	Barry McLarnon	Ottawa, ON	740
WSIC	NC	Statesville	Barry McLarnon	Ottawa, ON	713
WLSE	NC	Wallace	Joe Kureth	Southern Pines, NC	85
WHCC	NC	Waynesville	Joe Kureth	Uniontown, MD	430
WCNF	NC	Weldon	Russ Edmunds	Kinnelon, NJ	363
KEYJ	ND	Jamestown	Charles Reh	Leamington, ON	860
WMAN	OH	Mansfield	Bob McCoy	Lincoln, NE	740
WMAN	OH	Mansfield	Carl Dabelstein	Lincoln, NE	(Tie) 740
WPAY	OH	Portsmouth	Barry McLarnon	Ottawa, ON	589
KWON	OK	Bartlesville	Olle Alm	Abisko, Sweden	4454
KWON	OK	Bartlesville	Shawn Axelrod	Winnipeg, MB	*895
KTMC	OK	McAlester	John Wilkins	Wheat Ridge, CO	613
KNOR	OK	Norman	Olle Alm	Karesuando, Sweden	4644
KNOR	OK	Norman	Shawn Axelrod	Winnipeg, MB	*1000
KWIN	OR	Ashland	Pete Taylor	San Francisco, CA	307
KIVR	OR	Cave Junction	Esa Hänninen	Lemmenjoki, Finland	4613
KIVR	OR	Cave Junction	Nancy Johnson	Aberdeen, WA	*333
KNND	OR	Cottage Grove	Esa Hänninen	Lemmenjoki, Finland	4499
KNND	OR	Cottage Grove	Tim Hall	Jasper, AB	*670
KJDY	OR	John Day	Olle Alm	Abisko, Sweden	4344
KJDY	OR	John Day	John Johnson	Sheridan, WY	*591
KBCH	OR	Lincoln City	Tim Hall	Chilkoot Inlet, AK	#1091
KBCH	OR	Lincoln City	Phil Bytheway	Seattle, WA	*197
WEST	PA	Easton	Charles Reh	Leamington, ON	392
WJET	PA	Erie	Eric McIntosh	Invercargill, New South Wales	9141
WBLQ	PA	Erie	Shawn Axelrod	Winnipeg, MB	*971
WTCY	PA	Harrisburg	Ron Bailey	Shelby, NC	429
WJAC	PA	Johnstown	Joe Fela	Newark, NJ	250
WAMQ	PA	Loretto	Steve Francis	Alcoa, TN	434
WKBI	PA	St. Marys	Carl Dabelstein	Omaha, NE	900
WICK	PA	Scranton	Frank Merrill	Milan, MI	408
WRAK	PA	Williamsport	Jim Renfrew	Rochester, NY	388
WCOS	SC	Columbia	Andy Rugg	Pointe Claire, QC	881
WGTN	SC	Georgetown	Ron Musco	Windsor, CT	700
WMMZ	SC	Spartanburg	Rick Dau	IoWACity, IA	694
KBJM	SD	Lemmon	Tim Hall	Custer State Game Lodge, SD	453
WJZM	TN	Clarksville	Dave Schmidt	New Castle, DE	680
WHUB	TN	Cookeville	Ron Musco	Windsor, CT	795
WLSB	TN	Copperhill	Russ Edmunds	Blue Bell, PA	612
WKPT	TN	Kingsport	Barry McLarnon	Ottawa, ON	704
WGAP	TN	Maryville	Shawn Axelrod	Winnipeg, MB	1169
WZNG	TN	Shelbyville	Barry McLarnon	Ottawa, ON	883
WNBG	TN	Waynesboro	Joe Kureth	Uniontown, MD	655
KRUN	TX	Ballinger	Bruce Winkelman	Tulsa, OK	375
KBYG	TX	Big Spring	Tim Hall	San Antonio, TX	261
KUNO	TX	Corpus Christi	Don Trelford	Runaway Bay, Jamaica	1434
KUNO	TX	Corpus Christi	Tim Hall	35miles west of Acaponeta, Nay	*639
KILE	TX	Galveston	Wayne Heinen	Colorado Springs, CO	872
KGVL	TX	Greenville	Shawn Axelrod	Winnipeg, MB	1143
KYLR	TX	Huntsville	Jim Boehm	San Antonio, TX	195
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KIUN	TX	Pecos	Tim Hall	Chula Vista, CA	800
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KLCK	WA	Goldendale	LEM96	Lemmenjoki, Finland	4346
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KEDO	WA	Longview	Tim Hall	Frederick Sound-Farragut Bay, AK	#769
KEDO	WA	Longview	Tim Hall	Chatham Sound, BC	*683
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WDUZ	WI	Green Bay	Morris Sorensen	God's Narrows, MB	1035
WRJN	WI	Racine	Shawn Axelrod	Winnipeg, MB	656
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CBWG	MB	Gillam	Morris Sorensen	God's Narrows, MB	200
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CBG	NF	Gander	Christian DeHaes	Chicoutimi, QC	*748
CKCB	ON	Collingwood	Shawn Axelrod	Winnipeg, MB	872
CBLY	ON	Haliburton	Morris Sorensen	Head Lake, ON	58
CBOD	ON	Maynooth	Tim Hall	Madawaska, ON	30
CKOB	ON	Renfrew	Joe Kureth	Uniontown, MD	406
CBEE	ON	Sturgeon Falls	Morris Sorensen	Emsdale, ON	74
CKFL	QC	Lac Megantic	Charles Reh	Leamington, ON	632
CJFP	QC	Rivière du Loup	Esa Hänninen	Espoo, Finland	3583
CJFP	QC	Rivière du Loup	MB DXpedition	Valhalla Beach, MB	*1233
CKRN	QC	Rouyn	MB DXpedition	Arnes, MB	819
CKSW	SA	Swift Current	Phil Bytheway	Seattle, WA	683
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XEPF	BN	Ensenada	Mike Sanburn	Bellflower, CA	165
XEI	Mich	Morelia	Tim Hall	50 mi W of Santiago Ixcuintla, Nay	335
XELH	Nay	Acaponeta	Jim Boehm	San Antonio, TX	638
XESH	NL	Cd Sabinas Hidalgo	Jim Boehm	San Antonio, TX	233
XEFS	Pue	Izucar de Matamoros	Jim Boehm	San Antonio, TX	753
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XEAB	Son	Santa Ana	Tim Hall	Poway, CA	441
XETO	Tamp	Tampico	Steve Ponder	Fort Worth, TX	723
PJB2	NA	Bonaire	UK DXpedition	Sheigra, Scotland	4548
CMFA	CU	Guaimaro	Shawn Axelrod	Orlando, FL	534
HLoW	GJ	Carriacou	Jean Burnell	Middle Cove, NF	2486
ZYJ462	BR	Rio de Janeiro	NF DXpedition #4Team	Cappahayden, NF	486
CX140	UY	Tacuarembó	NF DXpedition #4Team	Cappahayden, NF	5440

YVZJ	VE	Barinas	Tim Hall	Crane Beach, Barbados	803
JOQL	JPN	Kushiro	Pete Taylor	San Francisco, CA	4652
BEV98	Taiwan	Kaohsiung	Pete Taylor	Hong Kong	391

- MB DXPedition = [Shawn Axelrod, Wayne McRae]
 - NF DXPedition #4 = [Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]
 - UK DXPedition = [Steve Whitt, Mark Hattam, Clive Rooms]
 - HLoW = Harbour Light of the Windwards
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The Answerman

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Answers to questions posed by NRC members

ANTENNAS – Part one of two:

Over the years I've tried a lot of different antennas and, if you're really into the hobby, you probably have also. But which antenna is best, and, all things considered, which one will work for me?

While the answer would seem to be a simple one, this isn't always the case. An antenna that would work for you wouldn't necessarily work for me. So, I'll try to present some antenna facts to you and let you decide which one meets your needs.

First, allow me to say that in writing this article I've checked into five different reference books to be sure to get my facts straight. In doing so, I found that the five books will give me at least three and sometimes four different descriptions for the same type of antenna. But, they all seem to agree in one area – types of antenna. So, to be sure we're all on the same page to start, here are the descriptions of the various antenna's we'll be discussing.

The Random Wire: This is perhaps the most common short wave antenna in the world and is the one most likely to be found in the owner's manual of some of the most sophisticated radio receivers. The random length the antenna is untuned and consists of a healthy length of wire strung up between two supports. The antenna length is between 30' to 150' long and is best constructed with #14 stranded steel wire that is copper clad to lower the resistance to radiofrequency signals. A good description of this wire can be found at <http://www.universal-radio.com/catalog/cable/wire.html>

The Longwire: The true long wire antenna is designed to a length that is a multiple of a half wavelength ($\lambda/2$), provided that the antenna is at least two wavelengths (2 λ) long.

The Beverage Antenna: The *Beverage* or *Wave* is considered by some people to be the best antenna available for very low frequency (VLF), AM broadcast band (BCB), and medium wave (MW) DXing. The Beverage antenna is a long wire of special design, more than one wavelength long (1 λ), although some antenna authorities maintained that $> 0.5\lambda$ is minimally sufficient.

The Loop Antenna: A wire loop antenna is made by winding a large coil of wire, consisting of one or more turns on some sort of frame. The shape of the loop can be circular, and square, and triangular or, just about any other shape you can think of but, for ease of construction the Square Loop seems to be the most popular.

This note came to me (I think it came from Russ Edmunds) and discusses a new antenna installation. The entire note is presented here in the first article. Part two (in the next issue) will discuss antenna theory regarding different antenna's (Random Wire, Long Wire, and Loop's).

Late this afternoon after mowing, I installed a WNW BOG (Beverage on Ground) system. It is about 310 feet and terminated with a // wire on the ground unterminated and about 220 feet long which I use for phasing to further enhance back nulls. I aimed it WNW.

I can make longer BOGs than 300 feet, but as usual they work very, very well at the shorter length if I keep the wire straight. Very nice side nulls and a reasonably narrow beam although longer seems narrower but can lose signal on the upper BCB band which I don't think effects pattern very much. Decent F/B from a single wire, but simply cannot get good F/B across the entire band. If F/B is the only issue, a EWE, Flag, Pennant, or KAZ will do a fine job but will likely not get much more than a 25 dB F/B, and often require a // phase wire to drive the system F/B to greater than 40 dB to knock out pests like eastern 50 KW clears here. The phased BOG setup totally blows away any cardioid setup when DXing from one basic direction is desired !! The reason is that the phased BOG set up as I use with a shorter non terminated // phase wire on the ground has just about as good an awesome F/B as the cardioid antenna phased with something to deepen F/B even more. The difference is that the cardioid antenna has 5-6 dB side nulls while the BOG typically has 20-30 !! If you have anything approaching 300 feet of straight line room outside, by all means please try my BOG set up. You won't be disappointed !! If you have atypical suburban lot you can still put up a cardioid antenna or two and use short // phase wires on the ground to enhance F/B and to allow some side null phasing. This

will make an outstanding compliment to the figure 8 pattern of your rotatable loop (KIWA, Quantum, Home Brew..etc) as it will allow you to easily DX 180 deg away from pests rather than 90 deg. The cardioid // phase wire set up (here KAZ antenna are my cardioids) proved at least as good as my over 600 foot phased elevated Bevs that I used for several years. Only on the extreme high end could the elevated Bev's really perform (660 feet too short) and this BOG setup is at least as good even there !The BOG w/short // phase wire is clearly more directive and hence gets more difficult DX than the elevated Bevs even at less than half the length !! I won't elevate a Bev again unless I have well over 1000 feet of room !!

Could you re-explain the system? When you say "terminated with a // wire on the ground unterminated" I got lost. I'd guess you are saying you don't actually terminate the main wire with the second wire but rather are phasing them against each other? How far apart are the two wires? By the way, what are you using for a phasing unit?

The 310 foot BOG is terminated to ground thru about 232 ohms to get some F/B while the 220 foot phase wire is // it a couple of feet apart. The phase wire is unterminated and shorter. BOGs are very tightly coupled to ground so even at this spacing I think there's minimal coupling between them. Both connect directly to an old Connelly phaser and I use the time-delay phasing method as it seems to provide a more broadbanded null than LC phasing. The phaser require no power, which is good since I DX from my truck in my fields and until winter, I run the R8A from the truck's battery. (I run long extension cords when mowing is no longer needed). Both the main BOGs and the shorter phase wire have good side nulls at these lengths so the phasing wire doesn't screw up the system side nulls. The phasing wire has clearly a different phase/amplitude relationship between DX from the front and QRM from the back when compared to the main BOG antenna. As a result, I typically must attenuate, with the phaser, the signal from the phase wire to combine it with the main signal to greatly deepen the back null. Now there's virtually no chance that the main signal and the phase signal have anything close to the same phase and amplitude for signals coming from the intended front direction so there's almost no chance to null them once I've nulled the back end QRM. The idea is not to make do with a 10-20 dB back null, but to nearly totally kill back-end QRM with 40 dB+ nulls. Since the BOGs have good side nulls, a fixed Yagi type pattern results (but with even better rear nulls than most Yagis)I likely could phase two same direction different length terminated BOGs (or Bevs if I bought a big farm) and have similar results. I also can phase with the main BOG unterminated, but I prefer to use resistance to knock down the back end somewhat first ! The unterminated shorter wire on the ground is more bi-directional than the BOG and can be useful in telling whether something is coming from the back end or not.

Then on Oct. 6, Barry McLarnon wrote a different solution to the antenna problem. Barry wrote: My main antenna for AM DX is a 1 m box loop, and it's served me well over the years, but the rising noise levels from computers and numerous other sources have become very discouraging, and the loop just isn't very useful anymore (it also has a very high Q, and constantly tuning it is a bit of a pain too). My only outside antenna that's of any use in the AM band has been an "inverted vee" drooping dipole cut for the 40 m ham band. The apex is on a roof-mounted pole, about 30 ft in the air.

My back yard is only 25 ft deep from the house to the property lines, and there are overhead power lines running across the back. Also, the ground is good old "Canadian Shield" - mostly rock under a thin layer of topsoil (I grow veggies in raised beds), so it's very difficult to get an effective ground. Even if I could somehow fit them in, ground-dependent antennas such as the K9AY or EWE probably wouldn't work very well. I pondered ground-independent designs like the flag and pennant, and decided I could squeeze in a pennant. Of course, everyone knows you should keep AM antennas well clear of noise sources like houses and power lines, but that's impossible in my case. I ended up anchoring one end of the pennant (the "fat" end) on a corner of the house, and running it diagonally to a pole attached to the back fence (yep, right under the power lines). I wasn't optimistic about the chances of this setup working well, so I didn't get fancy with variable terminations - I just used a fixed 900 ohm termination, and coupled to the antenna with a 600:50 ohm wideband transformer that I had in the junkbox, connected to a RG-58 feedline. I didn't have much choice in the orientation of the pennant, but it ended up aimed ESE - WNW, favoring the latter direction... aimed, in fact, right into my neighbor's house, not more than 10-15 ft away. :- (The lowest point of the pennant is about 6 ft off the ground, and the highest point about 20 ft up.

I got it up on Friday afternoon, and quickly checked it out with some groundwave signals... nothing remarkable noted in the way of signal strengths, but I was surprised and gratified to find that the pennant was noticeably less noisy than the 40 m dipole, even though the dipole is higher and more in the clear.

I came back a couple of hours later, an hour or so after sunset, and the new antenna proved itself almost immediately. I logged CBON12, a 40 W repeater on 1090 in Mattawa ON, about 150 miles WNW of me. I wasn't even aware of its existence until now. Powerhouse WBAL was fairly subdued, apparently helped by the directional properties of the antenna. This was extremely encouraging, and apparently not a fluke... last night I snagged much-wanted WJMS-590 in Ironwood MI, about 700 miles due west of me. I also noticed very good signals from stations to the west such as CKLQ-880, CJGX-940, and KJJK-1020. Before hitting the sack, I decided to try for one of my most-wanted stations

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