

DX News

Serving DX'ers since 1933

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From the Publisher: In addition to the usual columns, we have another DXpedition report from Gary DeBock out on the Oregon Cliffs with his Ultralights and FSL antennas. Thanks to Phil Bytheway for editing and assembling Gary's report for us.

In addition, we've reproduced an interesting decision released by the FCC this week, allowing the CP holder on 640 kHz at Terre Haute (replacing a Terre Haute station on that frequency that has been silent for years) to move it to the Chicago metro area. The FCC's rationale for its decision is an interesting window into the agency's policy approach to licensing AM stations and how it's evolved to where it is today.

And speaking of the FCC, it will be putting 22 sets of mutually exclusive applications for new AM broadcasting stations up for auction starting on May 6. So maybe we'll have some CPs coming out of those auctions soon.

Don't forget that we're now into the monthly issues ... check the publication schedule to the right and make sure you get everything into your editors on time, as the gap between issues can get fairly long this time of year! We like to be able to keep everything in *DX News* timely, despite the summer publication schedule.

NRC Log 34th Edition – Sold Out! Yep, we're fresh out of the last edition of this essential reference to the AM radio stations of North America. But Wayne is always at work updating our station database ... and sending along updaters for inclusion each week in AM Switch, so you can always keep your logbook up to date. And soon we'll be getting the next edition ready, with all the latest information on the fast-changing AM radio scene.

Unreported Stations List: Two stations on our unreported list (WFTM-1240 and WOCV-131) are reported in DDXD this issue for the first time at least since Volume 67, and two more stations on the list (WNCC-950 and WGHC-1400) went permanently dark this month. So we

have only 527 stations left on the list! Report one for next issue if you can!

MEMBERSHIP REPORT

Returning Members: Welcome back to Edward MacDonald, Kansas City, MO; and Mark Smith, Wolcott, CT.

Renewing Members: Thanks for the continued support of Richard Allen; Marcus Barboni; Michael N Beu; Craig Blaine; Tim Clampit; Jerry Ervine; Roger Gravelle; Harry J. Hayes; James M. Moertel; Ronald J. Musco; Stuart Oserman; John C. Parker K4OAC; Jim Renfrew; Lee Reynolds; Robert Rush; Dean Sorenson.

VOL. 81 DX NEWS PUBLISHING SCHEDULE

No	In By	Date	No	In By	Date
27	May 30	June 9	29	Aug. 1	Aug. 11
28	June 27	July 7	30	Sept. 5	Sept. 15

THE DX TIME MACHINE

75 Years Ago - From the May 16, 1939 *DX News*: The NRC 1939 frequency check list was published, with at least one station testing every five minutes from 2:55 to 7:05 a.m. Eastern time during the second week of the month.

50 Years Ago - From the May 16, 1964 *DX News*: HJNX-670 Medellín, Colombia requested a time and date to present a special DX program for the NRC; it was scheduled for June 8 when WMAQ Chicago will be silent; new member and new BCB DXer Gordon Nelson submitted his first Musing, noting his first QSL was received (in Massachusetts) from Tonga-1020.

25 Years Ago - From the May 29, 1989 *DX News*: Bob Harrison's "Radio History of New York" charted the full history of the metro New York City AM broadcasting stations; new stations in Earlsyville VA on 840 kHz and Chicago on 1200 kHz are reported on the air.

10 Years Ago - From the May 17, 2004 *DX News*: CKY-580 in Winnipeg MB moved to FM; NRC member and longtime DXer Chuck Boehnke passed away.

AM Switch



Info to David Yocis – 1245 13th St. NW #105, Washington DC 20005 – NRCDXNews@gmail.com

Don't forget to check e-DXN on weekends where *DX News* is not published, where an interim AM Switch is posted either on Friday night or Saturday morning.

CALL CHANGES

- 700 WTUB MA **Orange-Athol** – Call change to WWBZ (4/30).
 1180 WWRX RI **Hope Valley** – Call change (back) to WSKP (4/23); had these calls from 12/1/2013 to 12/24/2013 before trying WWRX for four months.
 1320 WARL MA **Attleboro** – Call change to WRNP (4/13).

NEW STATION WATCH

Change to pending CP granted:

- 640 NEW IN **Terre Haute** – CP for new station here (U2 250/250) dismissed; application to move to Peotone IL with U4 4800/1150 is granted. The old CP had expired in February and the new one will expire on July 29 of this year. If activated, licensee will take co-owned WMFN-640 Zeeland MI off the air. See page 28.

Application to modify existing CP:

- 1250 KEWE HI **Kahului** – Applies to modify CP to U1 5000/5000 on 1240 kHz, moving to a new site and diplexing with KAOI-1110.

Applications for new station CPs dismissed:

- 1580 NEW CA **Cutten** – Application for new station dismissed (U2 50000/1000).
 1590 NEW ID **Boise** – Application for new station dismissed (U2 10000/2500).

The CP for 1210 in Osceola IN (U4 2500/219) expired on 4/22, no word on the FCC site as to whether the applicant filed for a license to cover the CP or it actually expired. Two more new station CPs expire in May: Craig CO 1450 on 5/18 and Rowe NM 1420 on 5/19.

STATIONS GOING DARK (OR NOT)

- 950 WNCC PA **Barnesboro** – License cancelled and calls deleted; station has been silent since 2010 and says it surrendered license in 2011, but the FCC only got around to acknowledging and confirming this now.
 1300 WKSC SC **Kershaw** – License cancelled by the FCC; has been silent since Jan. 2013.
 1340 WNGM GA **Mountain City** – License surrendered by licensee by letter to the FCC; station lost transmitter site and has been silent more than a year.
 1400 WGHC GA **Clayton** – License surrendered by licensee; same as WNGM-1340.
 1430 KCRX NM **Roswell** – This station's license expired on 10/1/2013 when the station failed to file a renewal application. The owner filed a late application explaining he overlooked the license renewal because the station has been silent since 2010 due to the explosion of a 10,000-gallon water tank on the studio roof, whereupon the FCC cancelled the station's license for being silent more than a year.



CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs on the air:

- 610 WAGG AL **Birmingham** – CP for U1 5000/61, corrected coordinates, is on the air.
 990 KTKT AZ **Tucson** – CP for U4 10000/490 is on the air.

CPs built, nearing final licensing:

- 660 WORL FL **Altamonte Springs** – Applies for license to cover CP for U4 3500/1000; applies for program test authority (PTA) as well.
 940 WCPC MS **Houston** – Applies for license to cover CP for U4 31000/7 and for PTA.
 1170 WGMP AL **Montgomery** – Applies for license to cover CP for U4 10000/4 and for PTA.
 1410 WQBQ FL **Leesburg** – Applies for license to cover CP for U1 5000/88, new site.
 1470 WBCR TN **Alcoa** – Applies for license to cover CP for U1 1000/77, new site.
 1490 KWOK WA **Hoquiam** – Applies for license to cover CP for U1 1000/760, new site, moving CoL to Aberdeen WA.
 1590 WGYA PR **Guyama** – Granted program test authority on CP for new site.
 1690 WMLB GA **Avondale Estates** – Granted program test authority on CP for new site.

CPs granted:

- 860 WTZX TN Sparta – Granted CP to U1 950/10, new site.
 870 WINU IL Shelbyville – Granted CP to change CoL to Assumption IL, no change in facilities.
 930 WEZZ AL Monroeville – (Re)granted CP for D1 450 on 920 kHz, CoL to Brantley AL, from a new site (tower of WAOQ-100.3).
 1030 WNVR IL Vernon Hills – Granted CP to U7 27000/210 (ch 8000).
 1230 WENY NY Elmira – Granted CP to U1 1000/910.
 1270 KFLC TX Fort Worth – Granted CP to change CoL to Benbrook TX, no change in facilities.
 1390 WZHF VA Arlington – Granted CP for U4 9000/1000, CoL to Capitol Heights MD, from a new site (tower of WJFK-1580).
 1480 WEEO PA Shippensburg – Granted CP for U1 410/9.
 1530 WVBF MA Middleborough Center – Granted CP for U4 5000/4, new site.
 1580 KNIM MO Maryville – Granted CP for U1 480/10, new site.
 1590 WCGO IL Evanston – Granted CP for U4 10000/2500.

Applications for CPs filed:

- 990 WGSO LA New Orleans – Applies for U1 600/310 from a new site (WVOG-600 tower); old site was on a roof of a building that will be demolished.
 1280 WMXB AL Tuscaloosa – Applies for U1 5000/35 (to replace extsing CP expiring 4/28).
 1380 WKDM NY New York – Applies for U4 5000/13000 (to replace existing CP that expired).
 1410 WZBR MA Dedham – Applies for U1 2300/25 (CP to move here with U1 610/25 was recently put on the air).
 1450 KEST CA San Francisco – Applies for U1 1000/960 from KSFB-1260 auxiliary tower.
 1460 WRAD VA Radford – Applies for U1 5000/37.
 1580 WVZN PA Columbia – Applies for U1 500/48 from a new site.

CPs cancelled/applications dismissed:

- 1390 WBLB OH Bellefontaine – Application to move to Grandview Heights OH with D1 500 dismissed.
 1510 WJKN MI Jackson – CP for new site (remaining D3 5000) had expired 6/5/2012 but was under review; now deleted from database (application for D1 380 is pending).

TO ERR IS HUMAN?

- 1250 KWSU WA Pullman – FCC corrected database from U1 5000/5000 to U1 5000/2500; KWSU had a recent (March) direct measurement completed but no sign of a CP or application to change power; just a correction?



SPECIAL TEMPORARY AUTHORITY

- 570 WSYR NY Syracuse – Applies for STA with parameters at variance (longstanding repairs are nearing completion).
 600 WREC TN Memphis – Granted STA with parameters at variance; antenna monitor sample system is damaged and being repaired.
 790 WAEB PA Allentown – Granted STA with parameters at variance.
 910 WLTP OH Marietta – Applies for STA with U4 500/9 from existing day site; has lost lease on night site (which is shared with WHNK-1450, see Silent Stations below).
 950 KSEW AK Seward – Granted STA for U1 200/200 from an alternate site so station can resume broadcasting (and sort out its late license renewal issues).
 1200 WEMM WV Huntington – Applies for STA 1000/9 so station can resume broadcasting to avoid losing license, silent since vandalism to tower site in April 2013.
 1300 WJZ MD Baltimore – Granted STA with parameters at variance.
 WOAD MS Jackson – Granted STA with U1 1000/950 during tower work.
 1310 KEIN MT Great Falls – Applies for STA with U1 1000/1000 from alternate site.
 1370 KWRM CA Corona – Granted STA, back to full power but finishing final tests.
 1390 KCLN IA Clinton – Applies for STA with U1 250/35, lost a tower to “vehicular contact.”
 1400 WJWF MS Columbus – Granted STA with U1 10/10, silent station due to transmitter failure, needs to broadcast to maintain license.
 1410 WDOV DE Dover – Granted STA with parameters at variance (although day pattern is operating correctly at the moment).
 1420 KRIZ WA Renton – Granted STA with U1 250/125 from KYIZ-1620 tower.
 1480 KBXD TX Dallas – Applies for STA to use CP facilities (U4 50000/1900) while continuing to await program test authority for the CP.
 KLVL TX Pasadena – Applies for STA with day pattern parameters at variance.

Applications to extend existing STAs were received from WMEN-640 Royal Palm Beach FL (higher power, unspecified, to overcome Cuban QRM); WXQW-660 Fairhope AL (reduced night power, lost a tower); KKOH-780 Reno NV (parameters at variance); WFTL-850 West Palm Beach FL (U4 50000/24000); WRNS-960 Kinston NC (night pattern at variance); KCKN-1020 Roswell NM (U2 1000/1000, but expects to be back to 50 kW by the end of April); WALO-1240 Humacao PR (U1 1000/5000 to overcome QRM from HICV Barahona, Dom. Rep.); WSUA-1260 Miami FL (parameters at variance); KKOL-1300 Seattle WA (U4 50000/43000 with patterns at variance); WADB-1310 Asbury Park NJ (pattern at variance); WINT-1330 Willoughby OH (U1 125/10); WMTE-1340 Manistee MI (U1 500/500 from alternate site); WFNS-1350 Blackshear GA (antenna detuned due to tree growth at transmitter site); WVEI-1440 Worcester MA (pattern at variance until proof of performance completed); WKHZ-1460 Easton MD (U3 500/500 using night pattern 24 hours); WINW-1520 Canton OH (D3 250 from a temporary site); KOKC-1520 Oklahoma City OK (night parameters at variance); WYCL-1540 Niles OH (D1 125).

Previously reported requests to extend existing STAs were granted to WWCS-540 Canonsburg PA, WWNC-570 Asheville NC, WSNR-620 Jersey City NJ, WAXY-790 South Miami FL, WFXJ-930 Jacksonville FL, WOFX-980 Troy NY, WRFM-990 Muncie IN, WLVI-1040 Boynton Beach FL, KWAI-1080 Honolulu HI, KBBO-1390 Yakima WA, and WINW-1520 Canton OH.

A previously reported request to extend an existing STA was denied to KRIZ-1420 Renton WA (instead, KRIZ was granted a new STA as above).

SILENT STATIONS

Stations informing the FCC that they are silent:

- 1450 WHNK WV Parkersburg – Silent 4/28, lost transmitter site after lease expired.
- 1480 WQTM NC Fair Bluff – Silent (again) 4/16, looking for a new program source.
- 1500 KDFN MO Doniphan – Silent 4/25, transmitter building roof is leaking.

Formerly silent stations informing the FCC that they are no longer silent:

- 580 WYHM TN Rockwood – Silent since 3/9; on the air 4/23 with repaired ground radials.
- 670 WRJR VA Claremont – Silent since 10/13/2013; on the air 4/10 with STA.
- 910 WPFB OH Middletown – Silent 12/24/2012 to 8/24/2013; now taken off FCC silent list.
- 1200 WEMM WV Huntingdon – Silent since 4/25/2013; on the air 4/22 with STA.
- 1280 KMR TX Pearsall – Silent since 9/30/2013; on the air 4/22.
- 1310 KEIN TX Great Falls – Silent since 4/25/2013; on the air 4/23 with STA.
- 1400 WJWF MS Columbus – Silent since 4/30/2013; on the air 4/29 with STA.
- 1590 WGYA PR Guayama – Silent (as WXRF) since 9/15/2013; on the air with CP program test authority 4/23.

And, although the FCC doesn't have it, Dave Schmidt reports WHYL-960 Carlisle PA is silent pending a sale.

COORDINATE CORRECTION

- 1460 WVOX NY New Rochelle – CP to correct coordinates to 40-55-39/73-46-30 is on the air.

Other FCC actions: The FCC entered into a consent decree with the licensee of KXRA-540 Carmel Valley CA, which broadcast a paid program without a sponsorship announcement and that included indecent language; licensee will make a "voluntary contribution" of \$15,000 to the U.S. Treasury. The station is being sold to El Sembrador Ministries, which will convert it to a non-commercial station.

Similarly, the FCC entered into a consent decree with the licensee of WNTA-1330 Rockford IL, for failing to disclose that the "guests" on the daily talk show "Stateline Showcase" had in fact paid to appear and promote their products; licensee will make a voluntary contribution of \$185,000 (yep, no typo) and adopt a compliance program going forward.

CANADA

- 1040 CJMS QC Saint Constant – CRTC states that it will likely revoke this license for repeated non-compliance if new owners are not found by July 10.
- 1400 CIOR BC Princeton – Granted approval to convert station to a relay of CJOR-1240 Osoyoos BC (has been operating as such without CRTC approval for a while).
- 1690 CJLO QC Montreal – Applies for repeater on 107.9 MHz (AM will stay put).

Canadian news is from the CRTC, via Dan Sys and Shawn Axelrod.

The latest NRC AM Log updates are via Wayne Heinen, with thanks to Shawn Axelrod, Bill Hale, Tony Fitzherbert (TF) vacationing in Charleston, SC, and John. J. Rieger (JJR). Send Wayne your updates at amradiolog@nrcdxas.org.



NRC AM LOG UPDATES

600 KSJB ND **Jamestown** – Networks to C/Rf (drops ABC for CBS).
 620 KPOJ OR **Portland** – Slogan to “Rip City Radio 620.”
 730 KLOE KS **Goodland** – Slogan to “Full Service Radio.”
 740 KTFS TX **Texarkana** – Format to C&W (ex-SPT), slogan to “Hot 101.7,” adds // KBYB-101.7, drops // K288FI-105.5.
 780 WTME ME **Rumford** – Format to REL/TLK (ex-REL/EZL-TLK), slogan to “Talk for Maine,” add // WKTQ-1450, delete Group // EZ 1240.
 790 WMC TN **Memphis** – Slogan to “ESPN 790,” add network ESPN.
 WAYY WI **Eau Claire** – Format to TLK/SPT (ex-NWS/TLK), slogan to “Sports & Information,” networks to CS/Jr.
 870 KPRM MN **Park Rapids** – Networks to C/WW1/Ru.
 910 WTMZ SC **Dorchester Terrace-Brentwood** – Slogan to “ESPN 98.9 and 910,” networks to ESPN/MRN. (TF)
 930 WBCK MI **Battle Creek** – Networks to CS/Jr.
 WWON TN **Waynesboro** – Adds // WWON-FM-100.7.
 970 WATH OH **Athens** – Format to Rock/OLD:TLK (ex-OLD/TLK), slogan to “Classic Hits 970,” add network WW1.
 1100 WWWE GA **Hapeville** – Format to TLK/BIZ (ex-SPT/VAR).
 1110 KAOI HI **Kihei** – Add network Ns (NBC Sports).
 KBND OR **Bend** – Adds // K261DO-100.1.
 1120 WSME NC **Camp Lejeune** – Slogan to “Freedom 1120 & 97.1,” adds // W246CJ-97.1.
 1130 WWBF FL **Bartow** – Slogan to “WBF 102.9,” adds // W275AX-102.9.
 WHHW SC **Hilton Head Island** – Format to NOS/JAZwknds (ex-NOS), slogan “The Island.” (TF)
 1150 WEAQ WI **Chippewa Falls** – Format to OLD (ex-SPT), slogan to “True Oldies Channel,” networks to CM.
 1160 KRDY TX **San Antonio** – Format to Stunting (ex-Silent).
 1170 KJOC IA **Davenport** – Format to SPT (ex-OLD), slogan to “ESPN 1170,” add net ESPN.
 WFDL WI **Waupun** – Format stays TLK/OLD; this never went to NOS. (JJR)
 1180 WUMY AR **Turrell** – Add slogan “Big Country.”
 1220 WGNV NY **Newburgh** – Format back to SPT, network to ESPN, add slogan and Group: // 1220 AM ESPN Radio.
 1230 KBTM AR **Jonesboro** – Format to NWS/TLK/SPT (ex-NWS/TLK); add network ESPN.
 1240 WEZR ME **Lewiston** – Format to AC (ex-EZL), slogan to “The Pulse of Lewiston-Auburn,” adds // W288CW-105.5, deletes Group: // EZ 1240.
 KADS OK **Elk City** – Network to ESPN; add slogan and Group: // The Sports Animal.
 WDXY SC **Sumter** – Slogan to “News Talk 1240 and 105.9.”
 1260 WUFE GA **Baxley** – Format to AC (ex-OLD).
 KWNX TX **Elgin** – Format to REL (ex-SPT), slogan “The Word,” drop // KTXF-FM-104.9.
 1280 WHTK NY **Rochester** – Slogan to “Sports Talk 1280.”
 1290 WYEA AL **Sylacauga** – Slogan to “Yea 106.3,” adds // W292EH-106.5.
 WNIL MI **Niles** – Slogan to “ESPN South Bend,” network to ESPN.
 1320 WRNP MA **Attleboro** – Format to TLK/AC (ex-TLK/OLD).
 1350 KMAN KS **Manhattan** – Format to TLK/SPT (ex-NWS/TLK); add net ESPN.
 1380 WTJK IL **South Beloit** – Slogan to “Big AM 1380.”
 KXFN MO **St. Louis** – Slogan to “1380 The X.”
 1390 WSPO SC **Charleston** – Format to Tourist (ex-UC), slogan to “Charleston Visitor Information,” delete // W257BQ-99.3. (TF)
 1400 WHLJ GA **Moultrie** – Format to UC:GOS (ex-REL).
 1410 WDOE NY **Dunkirk** – Format to Rock/OLD (ex-OLD), slogan to “Classic Hits 1410.”
 1450 WKTQ ME **South Paris** – Format to REL/TLK (ex-REL/EZL/TLK), slogan to “Talk for Maine,” adds // WTME-780, delete Group: // EZ 1240.
 WNOS NC **New Bern** – Networks to TRN/CM/SRN/WW1/Ns/PRN.
 WQNT SC **Charleston** – Networks to FSR/Jr/Ns/YSR/PRN. (TF)
 WTRO TN **Dyersburg** – Format to Rock/OLD (ex-OLD), slogan “Classic Hits,” net CM.
 1470 WSAN PA **Allentown** – Format to SPT (ex-SPT/TLK), networks to Fox/FSR.
 1490 KKAN KS **Phillipsburg** – Adds // KQMA-92.5.
 WICY NY **Malone** – Slogan to “102.7 WICY.”
 WVGB SC **Beaufort** – Network to A. (TF)
 KLGO TX **Austin** – Format to C&W (ex-REL), slogan and Group to // KOKE FM.
 WXTG VA **Hampton** – Format to Rock (ex-SPT), slogan to “The Tide,” delete networks.

- 1520 WQCT OH Bryan – Format to OLD (ex-AC), slogan to “Good Time Oldies.”
 WNWT OH Rossford – Format to REL/UC:TLK (ex-REL), drop slogan, drop // WNKL-96.9.
 1570 WKLD WI Minocqua – Format to AC/EZL (ex-NWS/TLK).
 1590 KLRK TX Mexia – Format to Rock (ex-SS:REL), slogan to “103.1 Party.”
 1660 KQWB ND West Fargo – Format to C&W (ex-OLD), slogan to “Willie 1660,” nets to Nn.

Via Radio Insight: “Syndicated Liberal Talker Randi Rhodes is ending her daily program on May 16. Last November Premiere Radio Networks cancelled and then uncanceled her West Palm Beach based show after agreeing to a contract extension through 2014. The decision to end the program this time came from Rhodes herself. A brief statement from Premiere Radio Networks claimed “Randi Rhodes has decided to end her national radio program. We’ve had a successful partnership with Randi for several years, and we wish her all the best for the future. Premiere Networks will conclude syndication and production of Randi Rhodes on May 16, 2014.” Randi Rhodes aired live from 3-6pm Eastern and includes 910 KKSF San Francisco, 760 KKZN Denver, and 1480 KPHX Phoenix among her larger market affiliates.”

“Former WTKK Boston afternoon host Michael Graham has announced he will be leaving his regionally syndicated program on April 25 to join an unnamed Cumulus station in Atlanta. Since the demise of WTKK in January 2013, Graham has self-syndicated his program to a network of stations including 830 WCRN Worcester, 1120 WBNW Concord NH, 970 WESO Southbridge, 1390 WPLM Plymouth, and BostonHeraldRadio.com under the “New England Talk Network” banner. Stating that he intends to “help (in my small way) save the talk radio format from itself,” Graham comments that he will be joining Cumulus’ FM Talker in the market. That likely means “All News 106.7” WYAY, which added a 12-3pm talk show hosted by Kim ‘Kimmer’ Peterson and Atlanta Braves baseball broadcasts to its previous All-News presentation last fall. If WYAY is making further in-roads into Talk programming it will likely be in the 9am-12pm day part.

New Groups

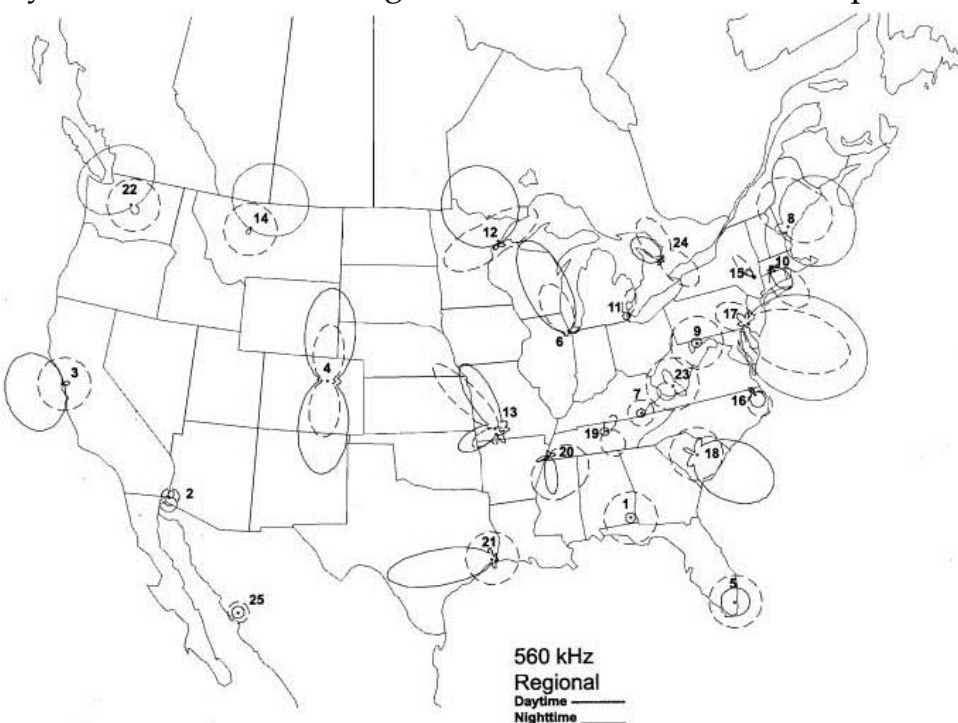
// 1220 AM ESPN Radio – WGNY-1220, W239BL-95.7, W231BP-94.1, W247AW-97.3
 // KOKE FM – KOKE-FM-99.3, K253AN-98.5, KLGO-1490

Add to Group // The Sports Animal adds KADS-1240

Delete Group: // EZ 1240.

NRC Antenna Pattern Book, 7th Edition

The 7th Edition of the NRC *Antenna Pattern Book* is now available. This all new edition prepared by NRC'er Paul Swearingen is an all-inclusive book of patterns for both Day and Night operation of



stations in the USA, Canada and selected foreign stations. The data for the book comes from the 34th Edition of the *AM Radio Log* and NRC'er John Callerman's comprehensive Mexican station listing.

The book comes shrink wrapped in 8½ by 11 three hole punch format for placement in your own three ring binder. There are 240 pages and the book has maps covering 530 through 1700 kHz depicting the lower USA, Canada and Mexico. Hawaii and Alaska are shown on separate maps at the of the book.

Price/ordering info: To the United States, \$22.95 for members, \$28.95 for non-members (add \$3.85 for Priority Mail delivery to U.S. addresses only). To Canada \$35.00; airmail outside of U.S. and Canada \$39.00. For those outside the U.S., use PayPal or a postal money order in U.S. funds only. Order from NRC, P.O. Box 473251, Aurora CO 80047-3251 or www.nrcdxas.org. Colorado residents, please add 3.5% sales tax.

Domestic DX **Mike Brooker** patria1818@yahoo.com
Digest – East 99 Wychrest Avenue
 Toronto, ON M6G 3X8 CANADA
U.S./Canadian Loggings from Eastern/Atlantic Time Zones. All ELT.

REPORTERS

- HF-MI** **Harold Frodge, Midland** – Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW
HJH-PA **Harry Hayes, Wilkes-Barre** – Superadio II, Kiwa Pocket Loop
KK-VA **Kraig Krist, Manassas** – Tecsun PL-310, Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop.
TLK-FL **Terry Krueger, Clearwater** – NRD-535, IC-R75, roof dipole, active loop.
PS-ON **Paul Snider, Welland** – Icom R75, 3 foot loop, MFJ-1020C tuner
JW-PA **Jim Weber, Lancaster** – Grundig S350
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

STATION NEWS


- 1250 WHHQ MI** **Bridgeport** – Finally on the air as of 5/1 with EWTN Catholic format. Some, but not all, programs // WMAX-1440 Bay City. ID as “from the archdiocese of Saginaw, this is 1250 WHHQ Bridgeport.” (**HF-MI**)

UNID

- 790 UNID** -- - 4/27 0240 – Chuck Berry’s “Maybelline” segued into something Frankie Valli. Co-channel WAXY, South Miami and Radio Reloj, Cuba. Briefly back up at 0308 with “To Sir With Love” by Lulu. No doubt the same one I first heard and reported a while back in DDXD-E 81-19, and probably the same one Kraig Krist in VA reported in 81-22. Who is this with a Nostalgia format? (**TLK-FL**)
1400 UNID -- - 4/27 0848 – “Two Sleepy People” by Kay Kyser (Big Band), thanks to SoundHound on the iPhone for identifying. Lost in the jumble forever after. (**TLK-FL**)
UNID -- - 4/27 0520 – “Every Praise” by Hezekiah Walker (thanks again, SoundHound) and another modern gospel song, signal also lost in the jumble. (**TLK-FL**)
1410 UNID -- - 4/27 0525 – Big church pipe organ, then at 0535 Spanish priest in Catholic mass briefly up. (**TLK-FL**)

LOGGINGS

- 590 WDIZ FL** **Panama City** – 4/14 0317 – ESPN promo, station promo, very good briefly over faded down Cuban Radio Musical Nacional. (**TLK-FL**)
850 WKVL TN **Knoxville** – 4/27 0712 – End of classic C&W vocal, male “AM 850, WKVL” ID and into another song. (**TLK-FL**)
940 WECO TN **Wartburg** – 4/26 0600 – “Your Station for Gospel” slogan into SRN news with clear reception then complete fadeouts. Occasionally crashing through WADV after 0615. (**JW-PA**)
1120 WKAJ NY **St. Johnsville** – 4/5 2248 – While listening to Cardinals baseball on KMOX, heard station playing songs from 1960s thru 80s in KMOX null, “more variety WKAJ” slogan. Nice surprise and new station for me, 328.6 miles from my QTH. (**KK-VA**)
1160 WEWC FL **Callahan** – 4/14 0700 – Presumed, caught just the tail end of “... North Carolina, La Raza.” So it must have been a multi-station ID for <http://www.larazalaraza.com/> with 106.1 FM in Charlotte, NC being the last one mentioned. Spanish hits format, Jacksonville, FL market. (**TLK-FL**)
WCCS PA **Homer City** – 4/28 0702 – Over WYLL-Chicago with PSA for Great American Cleanup for Pennsylvania into local news with many mentions of Indiana (County in PA, not the state). (**MKB-ON**)

- 1200 WXIT NC **Blowing Rock** – 4/13 1905 – In multi-station mix with “the high country’s first choice for talk, News Talk 1200 WXIT” station promo into Clark Howard Show. **(KK-VA)**
- WKST PA **New Castle** – 4/13 1900 – In multi-station mix with male “This is news radio 12 hundred WKST New Castle” ToH ID. **(KK-VA)**
- WMIR SC **Atlantic Beach** – 4/13 1904 – In multi-station mix with “It’s Dr. Dave with reggae on your Gospel station on ‘Rejoice Musical Soul Food’ WMIR 1200 AM” station promo. **(KK-VA)**
- WAMB TN **Nashville** – 4/13 2000 – In multi-station mix (WKST, WXIT, WMIR, UNID talker) with Spanish programming, female “WAMB 1200 AM... W257AR 99.5 FM” ToH legal ID in EE. **(KK-VA)**
- 1210 WJNL MI **Kingsley** – 4/13 1928 – In multi-station mix with “The WKR weather center forecast for Traverse City...” local weather. **(KK-VA)**
- WSBI TN **Static** – 4/13 1918 – In multi-station mix (WPHT, WJNL, WANB, UNID gospel and oldies) with SS gospel program, “Radio Vida” slogan. **(KK-VA)**
- 1230 WJBC IL **Bloomington** – 4/13 1904 – In multi-station graveyard mess with male “Award winning news talk 12-30 WJBC” station promo. **(KK-VA)**
- WHIR KY **Danville** – 4/13 1946 – In multi-station graveyard mess (WCMC, WJBC, WCRO, UNID Fox Sports, oldies and hockey), out of the mix male with clear “WHIR” ID. **(KK-VA)**
- WCMC NJ **Wildwood** – 4/13 1857 – In multi-station graveyard mess with female “... music from the heart and soul of rock and roll AM 1340 Classic Oldies” station promo. **(KK-VA)**
- 1240 WFTM KY **Maysville** – 4/13 1917 – In multi-station graveyard mess (WKDK, WWWC, WDNE, UNID ESPN, hockey and oldies) with “AM 12-40 WFTM” ID, “Elvis... and more 12-40 AM WFTM” station promo at 1929, and “Hear the latest local news with Robert Rose on Cool AM 12-40 WFTM Maysville” at 1933. **(KK-VA)**
- 
- WWWC NC **Wilkesboro** – 4/13 1902 – In multi-station graveyard mess with male “this is hometown Christian radio 12-40 WWWC Wilkesboro, North Carolina and streaming around the world at...” near-ToH ID. **(KK-VA)**
- WKDK SC **Newberry** – 4/13 1858 – In multi-station graveyard mess with male “Right here on 12-40 WKDK...” ID. **(KK-VA)**
- 1260 WZBO NC **Edenton** – 4/20 1812 – In multi-station mix (WWRC, WCHV, WWVT, UNID Fox Sports and Disney) with C&W songs, station promo: “It’s always one great song after another. Classic country AM 1240 WCNC and AM 1280 WZBO.” **(KK-VA)**
- 1270 WQTT OH **Marysville** – 4/20 1842 – In multi-station mix (WCBC and UNIDs: preaching, ESPN, CBS sports) with “true oldies,” station promo “from True Oldies 12-70 WQTT, the Marysville area weather forecast...” **(KK-VA)**
- 1280 WGBF IN **Evansville** – 4/20 2059 – In multi-station mix with pet call-in show (i.e. a talk show about pets; the pooch or kitty doesn’t get on the air), male ToH ID: “This is news talk 12-80, the Tri-State’s best talk, WGBF Evansville and newstalk1280.com.” **(KK-VA)**
- WCPM KY **Cumberland** – 4/20 2026 – In multi-station mix (WHVR, WHTK, WJST, WADO, WYVE, WSAT, WGBF) with C&W songs, male “12-80 WCPM” ID. **(KK-VA)**
- WHTK NY **Rochester** – 4/20 1900 – In multi-station mix with ToH ID: “Broadcasting from the... studios...this is sports loving WHTK Rochester, an I heart radio station.” **(KK-VA)**
- WSAT NC **Salisbury** – 4/20 2013 – In multi-station mix with promo for “...the ‘Good Morning Show’. Here on Memories 12-80.” **(KK-VA)**
- WYVE VA **Wytheville** – 4/20 1959 – In multi-station mix with ToH ID: “The area’s hottest music. Mainstream country, WYVE AM 12-80 Wytheville Virginia.” **(KK-VA)**
- 1300 WNQM TN **Nashville** – 4/26 2001 – In multi-station mix (WKCY, WJZ, WXRL, UNID oldies) with male “You’re listening to WNQM AM 1300 Nashville Tennessee” ToH ID. **(KK-VA)**
- 1310 KGMT NE **Fairbury** – 4/26 2104 – Presumed in multi-station mix with male “...welcome home Nebraska” mention. Only Nebraska station on 1310 is KGMT. **(KK-VA)**
- WOCV TN **Oneida** – 4/26 2043 – In multi-station mix (WDCT, KGMT, UNID CBS Sports, baseball, ESPN and SS) with “...local sports coverage...mornings...on 105.5 Oneida” station promo. **(KK-VA)**

- 1320 WLOH OH Lancaster – 4/26 2034 – In WVNZ/WGET/WJAS mix with “Bob Mayer on talk radio WLOH” station promo. Also noted at 2108 with “WLOH...valley’s talk station.” (KK-VA)
- WGET PA Gettysburg – 4/26 1959 – In multi-station mix (WLOH, WVNZ, WJAS) with ToH ID: “You’re tuned to your exclusive home for sports in the Gettysburg Hanover area. ESPN 1320 WGET Gettysburg Hanover.” (KK-VA)
- WVNZ VA Richmond – 4/26 1933 – In WLOH/WGET/WJAS mix with Spanish singing, male in SS “Selecta trece veinte” slogan. Switched to night power at 1946. (KK-VA)
- 1330 WTRX MI Flint – 4/28 0740 – Over WFNN-Erie, PA/WEBO-Owego, NY mix with “Sports Extra WTRX” slogan into “First Alert Weather Center” local weather. (MKB-ON)
- WESR VA Onley-Onancock – 4/26 2000 – In multi-station mix (WJSS, WRAA, WBTM, WSPQ, UNID Fox Sports and preaching) with ToH ID: “Your station for today’s best talk and yesterday’s favorites, AM 1320 WESR Onley...hot talk and cool classics.” (KK-VA)
- 1370 WTAB NC Tabor City – 4/27 0435 – Classic C&W vocals over/under WOCA-Ocala, FL. Promo for always listening to radio end-tagged with, “...We’re WTAB (dramatic pause) RADIO!” and into “I’ll Be Home” by Larry Chance. This one has often been putting in a good night signal, so once must wonder: is it really 110 watts night power or leaving the 5,000 watts day up? (TLK-FL)
- 1390 WNIO OH Youngstown – 4/13 2236 – End of Pittsburgh-Ottawa hockey game, some ads, ID at 2240 “1390 WNIO Youngstown, Ohio,” into post game show. Fair to poor mixing with various stations. (PS-ON)
- 1410 WNGL AL Mobile – 4/27 0600 – “You’re listening to Archangel Radio, WNGL, Mobile...” ToH ID by man. (TLK-FL)
- 1420 WAOC FL St. Augustine – 4/27 0552 – ESPN Radio feed, national spots but one local ad for the St. John’s Golf & Country Club with 904 area code. (TLK-FL)
- 1450 WKIP NY Poughkeepsie – 4/20 2007 – ID as “Newstalk Radio WKIP” Fox News Radio. (HJH-PA)
- WYNY PA Milford – 4/25 1957 – Came up loud with, “Here’s another YNY Favorite” then into song “I Want to Know What Love Is” by Foreigner. New. (HJH-PA)
- WLKW RI West Warwick – 4/22 2000 – Presumed with “West Warwick” heard on ToH ID under many others. Call letters not heard. (HJH-PA)
- WTSA VT Brattleboro – 4/21 2000 – Slogan “ESPN Radio, The Ticket.” Up loud with full ID. (HJH-PA)
- 1470 WSAN PA Allentown – 4/17 2254 – Some sports talk, ads including one for diabetes products, ID at 2258 “790 WAEB,” talk about iHeart website. Fair fading to poor. (PS-ON)
- 1490 WBTA NY Batavia – 4/27 2008 – Call ID then jingle followed by song “Let’s Get Together” by The Youngbloods. Fair to poor. (HJH-PA)
- WKVT VT Brattleboro – 4/26 2023 – Call ID and slogan, “...on 1490 and 100.3 FM, we’ve got you covered,” then into UNID talk program with a Larry somebody, I believe. (HJH-PA)
- 1520 WBZW FL Apopka – 4/20 0732 – Poor with canned Bloomberg business roundup for the week. Normally not heard here but local flea power WXYB, Indian Rocks Beach was off the air this Sunday morning. (TLK-FL)
- 1550 WNTN MA Newton – 4/15 0727 – Over nulled CBEF with station promo in EE during Greek program: “tune in to Grecian Echoes...online at www.grecianechoes.com and 1550 AM WNTN Boston.” (MKB-ON)
- 1570 WPGM PA Danville – 4/25 2228 – Instrumental music, ID caught at 2230 “1570 AM WPGM,” then lost to the mess. Very poor mixing with unknown oldies station (WVTL Amsterdam, NY?) and many others. (PS-ON)
- 1600 WHOL PA Allentown – 4/28 2357 – Presumed with Spanish language music, male announcer in SS with mentions of “Hola” at 0000, more lively Spanish style music, more announcements between songs mentioning “Hola.” Very good to poor. (PS-ON)

TWO URLs TO BOOKMARK

www.nrcdxas.org
www.e-dxn.com

Domestic DX Jim Tedford Radio_Enthusiast@hotmail.com 20310 Bothell-Everett Highway B4 *Digest – West* Bothell, WA 98012-8133

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

REPORTERS

- GH-OK** Glenn Hauser, Enid, OK. Mostly DX-398 with internal antenna only; or Sony SRF-59 as specified; Nissan stock car radio as specified; FRG-7 as specified. Glenn's complete reports, with extensive commentary, are originally published in *DX Listening Digest*.
- JJR-WI** John J. Rieger, South Milwaukee, WI. Icom IC-R75, Kiwa loop, MFJ 959B tuner, preamp.
- JW-CO** John Wilkins, Wheat Ridge, CO. Drake R-8, 4-foot box loop.
- SMA-MB** Shawn M. Axelrod, VE4DX1SMA, VEPC4SWL, Winnipeg, MB. Icom ICR70/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 TEST

- 1330 KCKM TX Monahans – 3/22 0100 – I posted a general summary of the log at the time, but now with QSLs going out (though none received here yet), I've posted a more detailed summary, and my recording of the complete test, 35 minutes. Go to <http://www.w4uvh.net/KCKMDXtest.mp3>. (GH-OK)

DX LOGS

- 540 KNMX NM Las Vegas – 4/29 0843 – PSA and ID in English, then Spanish ballad. Briefly fair before disappearing. (JW-CO)
- 550 KLLV CO Breen – 4/29 0803 – Simple "KLLV Breen" ID by gal; ID was preceded by and followed by religious music. Fair with KLZ-560 IBOC off. (JW-CO)
- 570.04 KGRT NM Las Cruces – 4/29 0759 – C&W music to 0759:55 legal ID: "...This is Classic Country 570 KGRT Las Cruces;" Fox news ensued at ToH, followed by state and local news; weather at 0806 was followed by more C&W music. They have reverted to their original call letters after a few years as KSNM. They have not, however, reverted to their original frequency of 570, choosing instead to remain on 570.04 for the umpteenth year for whatever reason. Fair signal with local KLZ-560's IBOC off. (JW-CO)
- 640 WOI IA Ames – 4/13 0808 – NPR Weekend Edition Sunday theme song, so has to be WOI Ames IA. (Since OU was stupid enough to sell off WNAD sesquidecades ago.) Stronger CCI from a preacher apparently originating in Singapore about how a huge percentage of world's young people are within a radius from it (well, yeah, China and India). Would guess KFI, but the *Jesus Christ Show* is not on schedule until 6-9 am PDT Sundays or 13-16 UT, with *Coast to Coast AM* running until 1300 UT. So maybe it's really WCRV Collierville TN (Memphis market), gospel station certainly on 50 kW day power now. KWPN Moore OK is a poor third for time being. (GH-OK)
- 690 KGGF KS Coffeyville – 4/14 0103 – Playing the "Battle Hymn of the Republic," then into "Taps" at sign-off. Always "Taps" and a few other patriotic songs alternate before it ; but I've never heard them play 'Dixie,' so we know which side of the Missouri Compromise KGGF is on! 36'-30" North is marked on US 81 a few miles north of Enid. The AR/MO boundary extended while the KS/OK boundary is 37'00". Some traitorous Confederate stations still proudly play "Dixie." (GH-OK)
- 710 WAQI FL Miami – 4/2 0631 – Poor, loud SS female and news/traffic "Miami" "turnpike" "expressway" loud, steady. Logged in '79 as WGBS. Un-nullable. (JJR-WI)
- 730 WFMW KY Madisonville – 4/14 0615 – Poor, no CKDM! "Your home in the country-WFMW 730AM, 94.9FM" into OLD C&W. (JJR-WI)
- 810 WPIN VA Dublin – 4/14 0651 – Poor though alone. "Real Country I-81" into song. Gone in 5 minutes. (JJR-WI)
- 860 WMRI IN Marion – 4/13 0643 – Poor, Advanced Auto Parts ad, NRA ...Indiana promo, ESPN content. Local WNOV off! (JJR-WI)

- 880 KLRG AR **Sheridan** – 4/15 0700 – Poor but steady with LID for AM/FM translator. GOS. No WCBS,CKLQ. (JJR-WI)
- 910 KLCN AR **Blytheville** – 4/14 0532 – Poor after breaks at :20 and :30 with no calls, finally PSA tagged “from the Arkansas ...” and “the Tri-State’s Information Station.” Not heard in while. Alone, no WFDF! (JJR-WI)
- 940 WECO TN **Wartburg** – 4/14 0618 – Fair! Gospel morning show on AM940 WECO. Ad for Cross Int’l. Rare! 4/15 0616 – Fair with calls, contest promo. Second morning in a row after not hearing in long time. (JJR-WI)
- 950 KRWZ CO **Parker** – 4/4 0627 – Poor; CO Rockies ad, CruisinOldies950.com. WNTD open carrier allowed this. (JJR-WI)
- 950 CFAM MB **Steinbach** – 4/4 0651 – Fair @30/9! “CFAM -950, A Golden West radio station” into music. WNTD open carrier allowed this. (JJR-WI)
- 980 KSVC UT **Richfield** – 4/24 0908 – Gal with Utah news; area weather at 0915. Fair with a couple of good peaks, no sign of in-state KGLN in the same loop direction. (JW-CO)
- 1000 WMVP IL **Chicago** – 4/11 0820-0823 – *Mike & Mike* on ESPN Radio, quite audible with KTOK OKC nulled, and slow SAH. Usually this points to KKIM in Albuquerque, but not today (yet), instead WMVP in Chicago; others thence still propagating such as the 1200 Spanish station. WMVP day pattern goes mostly east, but with lesser lobe to the west unlike at night. 4/14 0808 – ESPN’s *Mike & Mike* heatedly discussing the NCAA-pay-your-athletes issue, making slow SAH of 28/minute = 0.47 Hz with KTOK OKC mostly nulled. So again suspect it’s WMVP Chicago (ex-WLUP, ex-WCFL), which with its directional pattern mostly eastward is not usually audible here. After my previous log, I found a thread on IRCA March 30 discussing WMVP also being heard westward into Nigel Pimblett’s Alberta, extremely rare; Dennis Gibson points out they have a CP for a 12 kW ND auxiliary at the WLS site which they could be testing. (GH-OK)
- 1050 KSIS MO **Sedalia** – 11/11 0823 – Woman with calendar of events in Sedalia, atop the QRM, i.e. KSIS in MO, non-directional with 1 kW day. (GH-OK)
- 1140 KLTK AR **Centerton** – 4/11 0124 – With XEMR nulled, ID for “Radio Las Américas 11-40”, which we know from earlier listening after sunrise is KLTK the station named for a supermarket, but not Walmart. Trouble is, KLTK is licensed as a 5 kW ND daytimer only, and this is about as far from daytime as possible. (GH-OK)
- 1150 KHRO TX **El Paso** 4/20 0852 – Local public affairs show discussing private animal shelter, how dogs love peanut butter; website a few times but can’t copy it; phone in 915 area code, which means El Paso TX, matching eastish/westish DF, so it’s KHRO, 5 kW ND on day power starting at 0845 in April; 0815 in May. Prime format is Oldies per NRC AM Log 2013. (GH-OK)
- 1210 KOKK SD **Huron** – 4/19 0812 – Dakota News Network with lots of news and weather about South Dakota, from KOKK, Huron. It’s a real SD morning on SRS today. (GH-OK)
- 1210 WMPS TN **Bartlett** – 4/19 0808 – Nostalgic music, “It’s always sunny here, Sunny 12-10” non-ID, “Good Night, Irene.” Considerably clockwise from KOKK-SD. Nothing by that slogan in NRC AM Log 2013, so a change since last August. Googling leads right to WMPS Memphis TN, which per NRC Log had been Radio Superhero [!], COL Bartlett TN, address in Germantown. Flip occurred circa November 11, initially with Xmas music. 10 kW daypower good for SRS this late, Enid sunrise being 0753. Major lobe goes southwest, but evidently enough to the west for us. (GH-OK)
- 1240.18 KCRT CO **Trinidad** – 4/29 0921 – Tentative with bank ad (“Visit International Bank at locations in Angel Fire, Aurora, Cimarron, Raton, Springer, and Trinidad”); another ad followed but signal had already started to fade and never came back up again. This has been my Closest Unheard Station (183 miles) for more than 30 years. Their antenna must be in a very unfavorable location. Even operating off-frequency, as they have been doing for several years, and easily separable from the 1240 group, they very seldom produce usable audio. (JW-CO)
- 1240 KODY NE **North Platte** – 4/28 0830 – “Husker Radio 1240 KODY” ID, followed by “Husker Radio news update.” Heard at other times with usual “News Talk 1240 KODY” ID’s. Signal in and out of QRM. (JW-CO)

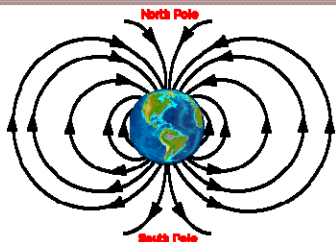
- 1240 KDSK NM **Los Ranchos de Albuquerque** – 4/28 0830 – FM 92.7 ID, then SRN news; several ads, all for Grants businesses, beginning around 0835; Oldies music followed to legal ID at 0859:30: “...You are listening to AM 1240 KDSK Los Ranchos de Albuquerque and 92.7 KDSK-FM Grants, New Mexico...” I think ToH is the only time the AM is referred to. A needed call change here, ex-KALY. (JW-CO)
- 1270 KNWC SD **Sioux Falls** – 4/19 0818 – Discussion about organ, cornea donation in South Dakota and how Native American feelings differ about this (like keeping the body whole after death for a good afterlife). So it’s 5 kW KNWC Sioux Falls. Common KSOO 1140 was in earlier, not re-logged today. (GH-OK)
- 1320 KELO SD **Sioux Falls** – 4/19 0820 – Sports scores concerning University of Sioux Falls, “News-talk 13-20, 107.9,” so it’s the erstwhile KELO, (along with KELQ on FM); the fourth SD AM station this sunrise. (GH-OK)
- 1360 WIXI AL **Jasper** – 4/4 0654 – Poor, sweeper “serving the community-WJLD” in WTAQ null. (JJR-WI)
- 1360 WSAI OH **Cincinnati** – 4/11 0648 – Poor but no WTAQ. Promo for “Dan Patrick, 9 o’clock on Fox Sports 1360.” Been a while on this. (JJR-WI)
- 1440 KTUV AR **Little Rock** – 4/30 0202 – Amid heavy CCI, Spanish ID as “La Pantera, 14-40.” It’s no Mexican, but KTUV, Little Rock AR, which I previously heard but without this slogan 12/31 during the same hour. 240 watts night power, E-W (GH-OK)
- 1440 KTNO TX **University Park** – 4/25 0847 – Open carrier/dead air from N/S bearing, no doubt 50 kW KTNO University Park (The Metroplex) TX, supposed to be Spanish religion as Radio Luz. Recheck at 0919, still no modulation from KTNO, fading out around 0929. 4/25 0847 – KMAJ Topeka KS can be heard easily thru the KTNO OC, with concert promos, 1440kmaj.com The two make a 2.4 Hz SAH = 144/minute, but it seems to be varying slightly at 0919. (GH-OK)
- 1490 WQQX IL **East Saint Louis** – 4/6 2200 – Poor. LID after ad for Adriana’s on the Hills 314-773-38XX. Fox Sports. Later heard “QQX 1490, Insanity Broadcasting...” (W was missed upon tune in.) Noticed strong Fox Sports in of late. Nice to finally identify. (JJR-WI)
- 1640 KZLS OK **Enid** – 4/13 0816 – With talk show about branding cattle and horses, and this time I check sibling station 99.7 KNAH Mustang (of course!), and by golly they are // now, except 1640 is about one second behind 99.7. I think they are also // during some music segments. 4/20 0852 – With ‘Cowboy Corner’ talk show, again // sibling station KNAH 99.7 Mustang, but 1640 running a few words behind 99.7. Furthermore, I had just been listening to ‘Cowboy Corner’ a few minutes earlier on 960, KGWA Enid! So much for market exclusivity; these are competing companies. On KGWA the subject was Indian, not Cowboy, moving some Kiowa warrior remains from Huntsville TX prison graveyard to a respected spot at Fort Sill OK. (GH-OK)
- 1660 KTIQ CA **Merced** – 4/23 0759 – Legal EE/SS ID (male voice): “This is KTIQ Merced, mil seiscientos sesenta AM, la voz de...??...24 horas del dia...” and into SS religious vocals. Fair in the noise. (JW-CO)
- 1660 KWOD KS **Kansas City** – 4/12 0800 – Good signals on top with Bloomberg radio programming. Some Kansas City ads then ID on the hour. New call signs ex-KUDL. Conditions have been poor here the last week or so but did manage to catch this one. (SMA-MB) 4/27 0827 – Outro for a feature from the “K-State Radio Network,” which means it must be KWOD Kansas City. I’ve yet to catch the new legal ID for the former KUDL, which has been in effect since April 7; presumably still biz/Bloomberg format as an alternate program from “KMBZ’ 980. As for the K-State Radio Network, that’s the remnant of 580 KKSU and before that KSAC, Manhattan, which sold out the frequency to WIBW, but remains a presumably free public service program source picked up by many Kansas commercial stations. See <http://www.ksre.ksu.edu> .(GH-OK)
- 1700 KVNS TX **Brownsville** – 4/24 0644 – Classic rock, but apparently merely a music break during ‘Fox Sports Daybreak’ from “Your new home for Fox Sports in The Valley”, i.e. KVNS. Then plug Fox Sports One – a TV channel? But where is the Tejano music from KKLf The Metroplex at less than half the distance? Off again? (GH-OK)
- 1700 KKLf TX **Richardson** – 4/17 2132 – “Rockin’ The Metroplex with a totally Tejano sound, Kick 1700”, and back to music in Spanish. Very good dominant signal now,

atop the 1700 sportsters, and except for local 1640, stronger than anything else on the X-band, so I believe KKLf is probably still on day power 10 kW (as others have concluded) rather than 1 kW night power. (GH-OK)

UNID

- 730 UNID -- 4/14 0111 – Station in English, seems news discussion, rough bearing ENE/WSW. Too many US stations are allowed here with reduced power at night despite XEX and CKAC. Soon losing to romantic music from south, and then Korean talk, KKDA The Metroplex with 500 watts. Might have been 50 kW CHMJ Vancouver but for the bearing, and was not “all-traffic.”(GH-OK)
- 1140 UNID -- 4/11 0826 – ‘La Que Buena’ slogan by SHVA, Mexican music. Is this KCXL Liberty MO during its sunrise Spanish service? Or is it KLTK Centerton AR, previously heard in Spanish with slogans “La Más Mexicana” and “Radio Las Américas”? Suspect the former, based on following: Searching on ke buena ktlk leads to a yellowpages.com listing for 105.5 in Rogers AR, but the WTFDA FM Database has no 105.5 in Rogers itself, nor any Arkansawyer with such a slogan; and none of the 11 AR stations (including 5 translators) are in the NW corner near Rogers. Of course, it could really be across a border in MO or OK. KLTK’s website, not easily found, but located as <http://www.lasamericas1140am.com/> does not include Ke Buena or Que Buena among its slogans. Autolaunches audio so I let it run a while, and at 1340 hear an ID for “1380-AM, Radio Las Américas, para todo Tulsa,” also something about perros. 1347 alternate ID as “Radio Las Américas, 11-40.” The website has nothing visible about 1380 or Oklahoma, but months ago we were also hearing 1380 mentioned on 1140, so must be simulcast on KMUS as suspected. Yes, found website of the same design for that also with a doggy subtext: <http://www.lasamericas1380am.com/> which also launches audio, and where there must be such supermarkets too. Yes: four of them in Tulsa, and one in Rogers: tail wagging the dog? (Is there a 105.5 around Tulsa or Muskogee? NO.) At 1401 legal ID in accented English for “KMUS, Sperry-Tulsa, Oklahoma.” Then local news headlines for Tulsa, and for Arkansas by same announcer, Carlos Raúl Paredes. But I digress. Back to regional-Mexican-music at 1404. YP info could well be outdated too. Wikipedia is way outdated for KLTK 1140, indicating it’s news/talk in English. Radiocator.com shows studio address not in Rogers or COL Centerville, but on Walton Blvd in Bentonville AR. (GH-OK)

Thanks to all of this edition’s contributors. See you next time. (JDT-WA)



Geomagnetic Indices

Geomagnetic Summary April 2014

Via Phil Bytheway – Tabulated from email status daily (K at 0000 GMT).

Date	Flux	A	K	Space Weather	Date	Flux	A	K	Space Weather
4/ 1	153	6	1	moderate, R2	4/16	184	5	2	minor, R1
2	155	5	1	no storms	17	179	11	1	no storms
3	153	6	2	no storms	18	172	8	3	moderate, R2, S1
4	157	6	3	no storms	19	169	15	2	minor, S1
5	142	14	2	no storms	20	163	22	4	minor, G1, S1
6	141	5	4	no storms	21	159	18	2	no storms
7	140	11	1	no storms	22	145	5	1	no storms
8	132	5	0	no storms	23	136	7	2	no storms
9	131	5	1	no storms	24	130	10	3	no storms
10	137	3	0	no storms	25	125	9	1	strong, R3
11	138	8	3	no storms	26	121	6	2	no storms
12	136	25	3	minor, G1	27	118	4	2	no storms
13	137	16	2	no storms	28	121	6	1	no storms
14	150	8	3	no storms	29	120	6	4	no storms
4/15	162	6	1	no storms	4/30	124	18	1	no storms

Sx – Solar Radiation Storm Level / Gx – Geomagnetic Storm Level / Rx – Radio Blackouts Level

International DX Digest

Bruce Conti contiba@gmail.com
46 Ridgefield Drive
Nashua, NH 03062-1174

Transatlantic DX

- 153 **GERMANY** *Deutschlandfunk*, Donebach APR 15 0302 – Woman in German parallel 1422; poor. APR 22 0301 – Man with news in German parallel 177; fair. [Connelly-MA]
- 162 **FRANCE** *France Inter*, Allouis APR 15 0302 – French news by man and woman; fair. APR 22 0301 – French news talk by man, followed by woman who mentioned the economy; good. [Connelly-MA]
- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador APR 15 0302 – Group Arabic vocal and drumming, then Arabic talk by man; fair. APR 22 0301 – Pop Arabic music; poor. [Connelly-MA]
- 177 **GERMANY** *Deutschlandfunk*, Oranienburg APR 15 0302 – Woman in German; to fair peak. APR 22 0301 – Man in German parallel 153; fair. [Connelly-MA]
- 183 **GERMANY** *Europe 1*, Felsberg APR 15 0302 – Woman in French; to fair peak. APR 22 0301 – Woman in French; to fair peak. [Connelly-MA]
- 198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al. APR 15 0302 – Political discussion with man and woman, mention of “lack of support”; poor. APR 22 0301 – Man and woman with discussion about the Ukraine; fair. [Connelly-MA] APR 23 0023 – “Can’t vocalize these things in public,” man and woman into a discussion of Google and Facebook to 0026. [Wilkner-FL]
- 216 **FRANCE** *RMC Roumoules* APR 15 0302 – Man and woman in French; to fair peak. APR 22 0301 – Two men with French teletalk; fair to good. [Connelly-MA]
- 225 **POLAND** *Polskie Radio*, Konstantynow APR 15 0302 – Fast Polish news talk by man; to fair peak. APR 22 0301 – Woman in Polish, bit of music; poor to fair. [Connelly-MA]
- 234 **LUXEMBOURG** *RTL Junglinster* APR 15 0302 – Woman then man with French newstalk; fair. APR 22 0302 – Man and woman in French, mention of Etats-Unis; good. [Connelly-MA] APR 23 0018 – Mellow music, man to 0020 music bridge, 0030 slow vocal. [Wilkner-FL]
- 252 **IRELAND** *RTÉ Radio 1*, Clarkestown APR 15 0302 – Fiddling segment, woman with “RTE Radio 1” ID, mention of an upcoming interview with an actor-comedian; to good peak. APR 22 0301 – Item about the dismissal of the head of Manchester United; to good peak. [Connelly-MA]
- 531 **ALGERIA** *Jil FM*, F’kirina Wilaya d’Oum El Bouaghi APR 14 0200 – Parallel 549 with hip-hop voice and drumming, “Jil FM” ID by woman; fair. APR 15 0302 – Parallel 549 with high-intensity dance music with percussion, then man in Arabic; fair. APR 22 0302 – Parallel 549 with dance-rock; fair. [Connelly-MA]
- 549 **ALGERIA** *Jil FM*, Les Trembles APR 14 0200 – Parallel 531 with hip-hop voice and drumming, “Jil FM” ID by woman; fair. APR 15 0302 – Parallel 531 with high-intensity dance music with percussion, then man in Arabic; fair. APR 22 0302 – Parallel 531 with dance-rock; poor. [Connelly-MA]
- 595 **MOROCCO** *SNRT Oujda* APR 14 0200 – Presumed with carrier here, too much WEZE slop to pull audio. [Connelly-MA]
- 639 **SPAIN** *RNE1 La Coruña* et al. APR 14 0200 – Spanish news by woman; poor to fair. [Connelly-MA]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott APR 13 0331 – A cappella male vocal; fair. APR 19 0100 – Slow Arabic talk by man. [Connelly-MA]
- 855 **SPAIN** *RNE1 Murcia* et al. APR 13 0331 – Operatic male vocal; poor. APR 18 0016 – Spanish talk by man; fair. APR 22 0301 – Spanish news by woman; fair. [Connelly-MA]
- 864 **FRANCE** *France Bleu*, Villebon-sur-Yvette APR 15 0302 – Excited French talk by man and woman; to fair peak. [Connelly-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford et al. APR 22 0301 – BBC news; in slop. [Connelly-MA]
- 891 **ALGERIA** *Chaîne 1*, Algiers APR 13 0331 – String music; to fair peak. [Connelly-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5* synchros APR 15 0302 – News talk by woman; slight echo. APR 22 0301 – Two men in discussion; poor. [Connelly-MA]
- 945 **FRANCE** *France Info*, Toulouse APR 14 0159 – “Summer Nights” by John Travolta & Olivia Newton-John, followed (at 0200) by *France Info* theme, news by woman in French;

- fair. APR 22 0301 – Man in French, into *France Info* theme music at 0301.24; to fair peak. [Connelly-MA]
- 981 **ALGERIA** *Chaîne 2*, Algiers APR 18 0016 – Arabic vocal, strings, drumming; poor to fair. APR 24 2359 – Pop Arabic vocal; fair. [Connelly-MA]
- 1089 **UNITED KINGDOM** *TalkSport* synchros APR 15 0302 – Sports talk mentioning Liverpool; fair. APR 25 0001 – News about World Cup doping investigation, *TalkSport* ID, weather “lingering showers, overnight low 10 degrees”; fair. [Connelly-MA]
- 1098 **SPAIN** *RNE5* synchros APR 15 0302 – Parallel 1107 with Spanish news by woman; poor. [Connelly-MA]
- 1107 **SPAIN** *RNE5* synchros APR 15 0302 – Parallel 1098 with Spanish news by woman; fair. [Connelly-MA]
- 1116 **SPAIN** *SER* synchros APR 13 0000 – News by man in Spanish; poor. [Connelly-MA]
- 1179 **CANARY ISLANDS//SPAIN** *SER* synchros APR 25 0000 – Pips, *SER* news; poor. [Connelly-MA]
- 1206 **FRANCE** *France Info*, Bordeaux APR 12 2359 – Parallel 1377 with jazzy vocal and piano, into *France Info* theme at 0000 UTC; fair. APR 14 0159 – Parallel 945 with “Summer Nights” by John Travolta & Olivia Newton-John, followed (at 0200) by *France Info* theme, news by woman in French; fair. APR 25 0001 – French news by woman mentioned the Palestine Liberation Organisation; fair. [Connelly-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros APR 12 2359 – Football-related advert; fair. APR 25 0002 – Hard Rock Cafe advert mentioning the new Made Fresh menu and a burger with guacamole and pico de gallo. *Absolute Radio* ID followed. To good peak. [Connelly-MA]
- 1377 **FRANCE** *France Info*, Lille APR 12 2359 – Parallel 1206 with jazzy vocal and piano; poor. [Connelly-MA]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler APR 13 0000 – Classical music, sounder, *Deutschlandfunk* ID by man, news in German by woman; to fair peak. APR 15 0302 – Woman in German parallel 153; to fair peak. [Connelly-MA]
- 1476.255 **IRAN** *IRIB R.Iran*, Marivan APR 16 0016 – Koranic male vocal; poor. [Connelly-MA]
- 1503 **IRAN** *IRIB R.Iran*, Bushehr APR 18 0016 – Parallel 1574.975 with male chant; to good peak. [Connelly-MA]
- 1502.868 unID APR 13 0331 – Growl against 1503, no audio. Radio 1503 Zavidovici, Bosnia-Herzegovina near this frequency per ‘mwoffset’ list. [Connelly-MA]
- 1512 **SAUDI ARABIA** *BSKSA* Jeddah APR 13 0331 – Bits of Arabic vocal; in WUFC slop. APR 24 2359 – Speech or sermon by man in Arabic; poor. [Connelly-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba APR 18 0016 – Woman in Arabic, bit of guitar music; fair. APR 25 0000 – Fanfare music, Arabic news by man; fair. [Connelly-MA]
- 1547.975 unID APR 18 0016 – Growl on low side of 1548 jumble. UK? Because of IBOC and slop, not much audio out of this or 1548 kHz. [Connelly-MA]
- 1557 **FRANCE** *France Info*, Le Col de La Madonne APR 13 0331 – Man in French; through WQEW slop. [Connelly-MA]
- 1574.975 **IRAN** *IRIB R.Iran*, Abadan APR 18 0016 – Parallel 1503 with male chant; to fair peak. Audio getting through better than adjacent 1575 (UAE?). [Connelly-MA]
- 1593 **KUWAIT** *R.Sawa*, Kuwait City APR 18 0016 – Man and woman in Arabic; poor. [Connelly-MA]

Pan-American DX

- 530 **CUBA** *R.Enciclopedia*, Villa María APR 21 0300 – Samba-type theme music, “Radio Enciclopedia” ID by woman; mixed with *R.Rebelde*. [Connelly-MA]
- 530 **CUBA** *R.Rebelde*, Guantánamo//unknown site APR 15 0300 – 9-note attention signal, fast Spanish talk by man, “splash” sound effect; loud, over others. [Connelly-MA] APR 27 0720 – ID, “(Love Is) Thicker Than Water” by Andy Gibb, into his “Shadow Dancing” so apparently all Cubans got their Andy fix if they stayed up or got up at this hour. No trace of *R.Enciclopedia*, though on at mid-morning re-check. Suspect this is the westernmost of the two *Rebelde* transmitters on 530, as quite strong. [Krueger-FL]
- 540 **CUBA** *R.Rebelde*, Maisí//Sancti Spíritus APR 13 0330 – Vocal parallel 530, 670; under WFLF on south antenna. [Connelly-MA]
- 540 **MEXICO** *XEWA W Radio*, Monterrey, NL APR 20 1057 – Promo for futbol event “...en W Radio” into anthem from 1058, another *W Radio* ID coming out. So am I really hearing the 1,500 watt Monterrey *W Radio* listed and not the *XEWA* San Luis Potosí powerhouse that supposedly always carries *Los 40 Principales*, or do they sometimes feed *W Radio*? [Krueger-FL]

- 539.848 **NICARAGUA** *R.Corporación*, Managua APR 27 1056 – Once again caught the Sunday variable sign on with carrier up at 1056 mid-song. Measured on the IC-R75. [Krueger-FL]
- 550 **VENEZUELA** *YVKE Mundial*, Caracas APR 13 0330 – Timecheck ends “y cero minutos hora Mundial,” mention of 550 AM and 94.5 FM, another *Mundial* ID, segment of “Urgent” by Foreigner; to good peak, dominant. [Connelly-MA]
- 560 **CUBA** *R.Rebelde*, Ciego de Avila APR 13 0330 – Vocal parallel 670; under WGAN. [Connelly-MA]
- 570 **CUBA** *R.Reloj*, Santa Clara APR 13 0330 – Reloj ticks, beeps, news; huge, way over second Spanish-language station and WMCA. [Connelly-MA] APR 13 0541 – Detected once LAH to the south/southwest is nulled (XEBJB/KGRT?), with minutely time signals, which shockingly come 9 seconds later than WWV, and then the “RR” Morse identifiers. At least time has not stood still for 55 years like so much else in Cuba. Conditions somewhat auroral. APR 19 0543 – Audible again, so I recompare its minutely time signal to WWV – this time it matches, so they have reset following my previous revelation that they were 9 seconds late. Did Arnie clue them? Also on UTC April 24 they were correct. [Hauser-OK]
- 580 **CUBA** *R.Rebelde*, Mabujabo APR 13 0330 – Vocal parallel 670; under WKAQ talk. APR 15 0300 – Rebelde 9-note sounder; under WKAQ, WTAG. [Connelly-MA]
- 580 **MEXICO** XEFI Chihuahua, Chih. APR 15 0602 – Mexican national anthem in progress, multiverse choral version but softer, less strident than the usual “MGG.” I was looking for one from the UTC-6 zone and soon found this tuning up from 540; under WIBW CBS news, and with heavy 2 Hz SAH almost matching the beat of the music. Normally XEMU in Tamaulipas is the dominant signal, but it’s UTC-5 and would have anthemed an hour earlier at its local midnight. Maybe XEMU is still an open carrier causing the SAH. 0606 anthem finally ends, but now WIBW is restarting C2CAM with Willie Nelson musically blocking the full ID, yet I do manage to pull out an “XEFL,” as expected, since it’s the only 580 XE currently in UTC-6. XEFI supposedly 700 watts at night. [Hauser-OK]
- 580 **PUERTO RICO** WKAQ San Juan APR 15 0300 – Parallel 600 with WKAQ ID; mixed with WTAG and Cuba. APR 25 0000 – Talk “Primer en noticias... WKAQ”; fair. [Connelly-MA]
- 590 **CUBA** *R.Rebelde*, Guantánamo APR 13 0330 – Vocal parallel 670; over (!) nulled WEZE. [Connelly-MA]
- 600 **CUBA** *R.Rebelde*, San Germán-Urbano Noris APR 15 0300 – Parallel 670 with 9-note signal, news; mixed with WYEL. [Connelly-MA]
- 600 **NICARAGUA** *La Nueva Radio Ya*, Managua APR 27 0735 – Male DJ introduced female for a quick weather synopsis, mentioning “Instituto Meteorológico” then DJ intro’ed a smooth jazz instrumental Santana cover (mentioning Santana) of “Flor d’Luna” which upon locating live stream was still playing, then mention of church-sponsored event later in the morning in San Plaza San Pedro seemingly tied to The Vatican’s Canonization of John Paul II and John XXIII this day. The live stream site was pretty cool, with a camera on the DJ in studio. Occasional WBOB “The Answer” Jacksonville talk format co-channel. [Krueger-FL]
- 600 **PUERTO RICO** WYEL Mayagüez APR 13 0330 – Parallel 580 WKAQ with talk show; over Cuba. APR 15 0300 – WKAQ net ID parallel 580; mixed with Cuba. APR 25 0202 – Parallel 580 WKAQ with reggae-influenced Spanish vocal; slightly over jumble with Cuba, others. [Connelly-MA]
- 610 **CUBA** *R.Rebelde*, multiple sites APR 13 0330 – Vocal parallel 670; over WIOD, WIP, WGIR. [Connelly-MA]
- 620 **CUBA** *R.Rebelde*, Colón APR 13 0330 – Vocal parallel 670; good/dominant. [Connelly-MA]
- 630 **CUBA** *R.Progreso*, Camagüey APR 13 0330 – Parallel 640 with Cuban big-band jazz; over WUNO and WPRO. [Connelly-MA]
- 630 **PUERTO RICO** WUNO San Juan APR 15 0300 – Puerto Rican political speech; over/under WPRO. APR 19 0100 – WUNO and Radio Uno ID’s, “en San Juan, Puerto Rico”; mixed with WPRO. [Connelly-MA]
- 640 **CUBA** *R.Progreso*, La Habana-Guanabacoa//Las Tunas APR 13 0330 – Parallel 650 with old-style Cuban jazz with vocal. Dominant on south antenna (CBN dominant on east antenna). [Connelly-MA]
- 650 **COLOMBIA** HJKH RCN Antena Dos, Bogotá APR 25 0200 – Antena Dos ID; mixed with Cuban wobbler. [Connelly-MA]
- 650 **CUBA** *R.Progreso*, Ciego de Avila APR 13 0330 – Parallel 640 with old-style Cuban big-band jazz; on wobbly carrier. [Connelly-MA]
- 660 **CUBA** *R.Progreso*, Jovellanos APR 13 0330 – Parallel 640 with old-style Cuban big-band jazz; under WFAN. [Connelly-MA]
- 670 **CUBA** *R.Rebelde*, multiple sites APR 13 0330 – Male Spanish vocal parallel 770 and others; huge. APR 15 0300 – 9-note sounder, 0301 Spanish news mentioning Guardian (UK) and

- Washington Post articles about electronic surveillance by American intelligence agencies.
[Connelly-MA]
- 680 **PUERTO RICO** WAPA San Juan APR 19 2350-0000 – ID’s by man. [Wilkner-FL]
- 690 **CUBA** *R.Progreso*, Santa Clara APR 13 0330 – Parallel 640 with Cuban big-band jazz; good, dominant. [Connelly-MA]
- 710 **CUBA** *R.Rebelde*, multiple sites APR 13 0330 – Vocal parallel 670; mixed with WOR. [Connelly-MA]
- 730 **CUBA** *R.Progreso*, La Fe APR 13 0330 – Jazz parallel 640; mixed with nulled CKAC. [Connelly-MA]
- 750 **CUBA** *R.Progreso*, Palmira APR 13 0330 – Jazz vocal parallel 640; mixed with YVKS. [Connelly-MA]
- 750 **VENEZUELA** YVKS RCR Caracas APR 13 0330 – Venezuelan political talk; mixed with Cuba. APR 14 0200 – RCR and Venezuela mentions; mixed with CBGY. APR 19 0200 – RCR ID, mentions of Venezuelan cities including Punto Fijo; dominant. [Connelly-MA]
- 760 **COLOMBIA** HJAJ RCN Barranquilla APR 13 0330 – RCN ID, shouting; mixed with WJR. APR 14 0200 – RCN ID mixed with WJR. APR 21 0200 – ID “RCN, la radio de Colombia”; mixed with WJR. [Connelly-MA]
- 770 **CUBA** *R.Rebelde*, Victoria de las Tunas APR 13 0330 – Mellow vocal parallel 670; mostly over WABC. [Connelly-MA]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro APR 15 0300 – *R.Coro* ID’s, talk “en Coro, capital del estado Falcon”; good, dominant. APR 21 0201 – *R.Coro* ID’s; fair, dominant. [Connelly-MA]
- 790 **CUBA** *R.Reloj*, Pinar del Río//Holguín APR 13 0330 – ID by woman “Radio Reloj... Habana, Cuba”; over domestic jumble. APR 15 0300 – Reloj mixed with WAXY and unID Spanish vocal. [Connelly-MA]
- 800 **BONAIRE** PJB *TransWorld Radio*, Kralendijk APR 13 0330 – *R.Transmundial* ID; over jumble. [Connelly-MA]
- 810 **BAHAMAS** ZNS3 Freeport, Grand Bahama APR 13 0330 – Soul female vocal parallel 1540; mixed with WGY, CJVA, and Cuba. [Connelly-MA]
- 810 **CUBA** *R.Progreso*, Guantánamo APR 13 0330 – Bit of jazz parallel 640; under WGY, ZNS3, CJVA. [Connelly-MA]
- 820 **CUBA** *R.Reloj*, Ciego de Avila APR 13 0330 – Reloj news, ticks, and beeps; mixed with unID Spanish female vocal and WNYC. [Connelly-MA]
- 840 **CUBA** CMHW *DobleVé*, Santa Clara APR 15 0300 – ID, “Esta es DobleVé, desde Santa Clara, en el centro de Cuba”; good/dominant. [Connelly-MA] APR 27 0658 – “Melodias de Cuba” or something like that, mentioning it’s an overnight show, ID and time check 0700 into soft Spanish vocal. [Krueger-FL]
- 860 **CUBA** *R.Reloj*, Jovellanos APR 13 0330 – Reloj news, ticks; mixed with unID Spanish talk and CJBC. [Connelly-MA]
- 870 **CUBA** *R.Reloj*, multiple sites APR 13 0330 – Time, “Once treinta minutos, Radio Reloj... Cuba” ID; way over domestics. [Connelly-MA]
- 890 **CUBA** *R.Progreso*, Chambas APR 15 0302 – Parallel 650, 900 with old-style Afro-Cuban vocal with drums; over WAMG and WLS. [Connelly-MA]
- 890.112 **DOMINICAN REPUBLIC** HIPJ *R.Continental*, Santo Domingo APR 20 0200 – Bits of Spanish talk; splittable from 890.0 stations. [Connelly-MA]
- 900 **CUBA** *R.Progreso*, San Germán-Urbano Noris APR 13 0330 – Jazz vocal parallel 640; over CHML. APR 19 0100 – Classical piano parallel numerous other Progreso outlets; over CHML. [Connelly-MA]
- 930 **CUBA** *R.Reloj*, multiple sites APR 13 0330 – Reloj ticks, beeps; in jumble with WPKX nulled. [Connelly-MA]
- 939.875 **MEXICO** XEQ Mexico, DF APR 15 0302 – Man in Spanish; splittable on LSB from 940 WIPR, WINZ, et al. [Connelly-MA]
- 940 **PUERTO RICO** WIPR *Máxima 940*, San Juan APR 15 0301 – “San Juan... Máxima Nueve Cuarenta... WIPR” ID; good. [Connelly-MA]
- 950 **CUBA** *R.Reloj*, Arroyo Arenas//Camagüey APR 21 0200 – Ticks, *R.Reloj* ID, “RR” beeps; briefly over WKDN, others. [Connelly-MA]
- 960 **CUBA** *R.Reloj*, Guantánamo APR 13 0330 – Reloj programming; in jumble with WELI, WHYL, and WTGM. [Connelly-MA]
- 960 **MEXICO** XEK Nuevo Laredo, Tamps. APR 28 0502 – During KGWA Fox-hole of dead air, with its hummy carrier nulled, the dominant inhabitant tonight is XEK, as I immediately hear the ‘XEW’ chimes that XEK plays as interval signal, 4 notes downward, probably C-G-E-C, tho my pitch is imperfect and don’t have the keyboard handy to match them. Then choral national anthem; 0504 full ID as XEK, Nuevo Laredo, Tamaulipas, “desde 1937,” and

- then playing “Cielito Lindo,” another kind of anthem, while KGWA blasts back on with modulation at 0505. Confirmed here it was founded on 17 May 1937: <http://es.wikipedia.org/wiki/XEK-AM>. [Hauser-OK]
- 980 **CUBA** *R.Relej*, Moa APR 13 0330 – “Radio Reloj... Habana, Cuba” ID by woman; over WTEM and WOFX. [Connelly-MA]
- 1039.61 **VENEZUELA** YVLB *La Voz de Carabobo*, Valencia APR 21 0200 – Bits of music on LSB; poor. [Connelly-MA]
- 1070 **COLOMBIA** HJCG *R.Santafe*, Bogotá APR 15 0300 – “Q’hubo” and “Santafe” ID’s; mixed with CHOK. On USB with peasy 1070.125 growl notched (too much IBOC on LSB). [Connelly-MA]
- 1180 **CUBA** *R.Rebelde*, multiple sites APR 15 0301 – Parallel 670 with Spanish news mentioning Guardian (UK) and Washington Post articles about electronic surveillance by American intelligence agencies; over WHAM. [Connelly-MA]
- 1210 **CUBA** *R.Rebelde*, unknown site APR 15 0300 – Parallel 670 with 9-note sounder; under WPHT. [Connelly-MA]
- 1309.685 **COLOMBIA** HJAK *La Voz de la Patria*, Barranquilla APR 13 0330 – Tentative; het, no audio. [Connelly-MA]
- 1320 **MEXICO** XECPN Piedras Negras, Coah. APR 26 0515 – Dominant signal roughly from the south is Mexican music; automated IDs between every song, 101.7 FM and something on AM, with a variety of slogans mostly uncopiable by super-hype voice actor except always ending with primary one, “La Poderosa”; 0522 the song is in English, “Stand By Me”; 0531 a fuller ID mentions Coahuila, and Piedras Negras. Of course, I figured it would be XECPN, but don’t you believe it’s on night power of 100 watts, as in IRCA, WRTH and Cantú. IRCA disagrees on day power, of 20,000 watts. Could be. Can hardly claim the “powerful” slogan without cheating at night! [Hauser-OK]
- 1350 **CUBA** *R.Ciudad del Mar*, Palmira APR 27 0758 – Segment on tourism in Cuba, ID and time check 0801 into soft Spanish vocal. Very good. Parallel threshold 1340 kHz which was only barely audible under my local WTAN Clearwater during brief silent periods between words. [Krueger-FL]
- 1540 **BAHAMAS** ZNS1 *R.Bahamas*, Nassau, APR 13 0330 – Soul/jazz female vocal parallel 810; mixed with WDCD, others. [Connelly-MA]
- 1620 **CUBA** *R.Rebelde*, La Habana//Guantánamo APR 13 0330 – Vocal parallel 670; over others. [Connelly-MA]
- 1650 **MEXICO** XEARZ *ZER Radio*, México DF APR 15 1057 – Tune-in to instrumental jazz piano solo, fast male canned calls/slogan ID into national anthem from 1100:28. Some English talk co-channel, probably KYHN at this hour and direction. Always worth checking 1700 kHz at the same time, though nothing heard that would indicate the potentially new Mexican was there. [Krueger-FL]

Contributors

Mark Connelly WA1ION, South Yarmouth MA; Microtelecom Perseus, two cardioid-pattern SuperLoops 8m by 15m (peak 75°, null 255°) and 10m by 11m (peak 165°, null 345°), figure-of-8 pattern broadband loop 6m by 6m (165-345°).

Glenn Hauser, Enid OK; DX-398 with internal antenna.

Terry L. Krueger, Clearwater FL; NRD-535, IC-R75, roof dipole, active loop.

Robert Wilkner, Pompano Beach FL; 746Pro Modified, Drake R8, Sony 2010XA, 120 meter dipole.

73 and Good DX!

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DX Tool Box

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Improving your DX skills – tips from new and veteran members

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 60.

This Month's Radio Saying: If It's Too Loud You Are Too Old!! (Being 60, I now find myself turning it up after years of telling my kids to turn it down.)

The Way Back Machine:

This time around we visit 440: Satisfaction. This is a unique web site that keeps track of DJ's. Yes the guys we have heard over the years from all across the USA, Canada and around the world. You can search this massive list by station name or DJ name or city. I have never seen such an extensive listing of DJ's any place else. Go to the web site at: <http://www.440int.com/440sat.html>.

Bits and Bites from the NRC listserv:

From: Rick Dau drummer1965us@hotmail.com

Subject: 22-year-old recaptures the spirit of radio, circa 1960

Wanna take a trip back in time to what radio sounded like 54 years ago? One 22-year-old student at the Univ. of Nebraska at Omaha is doing just that. Hope you will find this article as fascinating a read as I did. 73, Rick Dau South Omaha, Nebraska.

<http://www.omaha.com/article/20140402/NEWS/140409742/1101>

From: Brandon Jordan swl.tn.usa@gmail.com

Subject: Array Solutions Shared Apex Loop

I recently reported about the exceptional performance I have experienced with the AS-SAL-30 loop. I recently deployed an AL-SAL-12 loop and have had a week to do some comparisons between them on MW. First of all, comparatively speaking the AS-SAL-30 takes a lot of real estate. Erecting the mast takes a minimum of 3 people, and took me 2 weeks to get the manpower assembled for deploying last mast section. The AS-SAL-12 can be deployed by one person in a small backyard lot. After a week of A/B comparison from my QTH outside of Memphis, TN, and as can be expected I can report that the SAL-30 is by and far the better MW performer. The SAL in general totally outperforms all loops or phased verticals that I have at my disposal at all frequencies below 15 mhz. I am a LF/MF/HF DX'er, and deployed the SAL-12 for better 8 mHz+ directional performance and for that purpose it is fantastic. For 15 mHz+ I have found that the DX Engineering Phased Vertical Array has better performance so I am contemplating converting the SAL-12 to a SAL-20, which is reported to have a good directional pattern to 15 mHz. My recommendation for a MW DX'er is to only deploy a SAL-12 if you do not have the real estate for a SAL-20. If you are a LF/MF/HF DX'er, the SAL-20 is the best option. If you are a LF/MF DX'er and have the room, you simply cannot go wrong with the SAL-30. It is the best antenna I have used for LF to 8 mHz. BUT, the SAL-12 will outperform any small antenna, antenna/phaser combo or K9AY that I have experienced. 73, Brandon Jordan, Fayette County, TN <http://www.swldx.us>

From: Les Rayburn les@highnoonfilm.com

Subject: Replacement Auto Antenna for improved AM Reception

I'd like to replace the stock radio antenna on my Dodge Ram 2500 (2009 model) to improve reception on the AM Band. The existing antenna and in-dash radio do a respectable job of picking up DX now, but I'd like to see improved performance, especially below 900 KHz. The existing antenna simply screw in with a male, threaded connector. Does anyone know of an after market manufacturer who offers auto antenna for this purpose? A URL or web site would be appreciated.

Several folks have written to see if I had any luck tracking down a replacement antenna for my Dodge Ram that might improve performance on the AM Band. Like a lot of DX'ers, I spent a fair amount of time commuting--so many of my new catches are actually made in the truck. I wanted an antenna to enhance the already good performance of my radio, especially on the lower part of the band. A couple of helpful DX'ers pointed me to the Godar DXR-1000C antenna which claims to provide improved reception on both AM-FM-and even SW bands. Shortwave in car radios is very popular in Europe, though almost unheard of in the US. A link to the antenna is shown below.

<http://www.godarus.com/id83.html>

My order hasn't arrived yet, but when it does, I'll try it out and then post a mini-review on the various AM lists. I am curious if other DX'ers have tried this product in the past, and what kind of results were obtained. 73, Les Rayburn, N1LF Maylene, AL.

From: Neil Kazaross neilkaz@earthlink.net

Subject: Re: High Performance Car Antenna for MW DX

Les, since you mention Dodge. My 2007 or 8 (can't recall) Dodge Dakota has the best AM RX of any American vehicle I've ever driven. The issue is selectivity, which while superior to many cars, isn't as good as a decent ULR. Sensitivity is fine, but of course might be better with a big better antenna. As for FM it is the best for any vehicle I've ever had. In comparison, I've never seen a better stock AM RX in a car than in my wife's Audi. It is a smidge more sensitive and selective than my pickup. However, my FM is slightly more sensitive than her's with still fine selectivity. I've travelled a lot so have driven many cars. 20+ years ago I had something I think was called a Pioneer Super Tuner in a pickup. It paled in comparison even on FM to what I have in our main two vehicles now as stock RX's and yes, that old truck had an external whip. 73 KAZ

This Month's DX Tool Box Web Site is:

The SWL QSL Card Museum located at: <http://www.antique-corner.com/SWLQSL/>

After the last column about what could or could not happen to all of our Veries I found this site. This is a great collection of scanned QSL's and Veries from stations from all over the globe. With all the talk about preserving AM station QSL's and Veries here is a great site that has started on the SWL side of the hobby. They have 242 countries that include 1062 unique stations and sites. The most interesting QSL's are from countries that no longer exist. It shows how this hobby can help preserve the past by preserving its own history of radio.

73 for this time Shawn

Remember On A Clear Day You Can Hear Forever

Musings of the Members

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Thoughts from NRC members. Local time per Muse.

All opinions expressed are those of the individual writers – they do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

Gregory V. Henson – Herndon VA hensongvh@cox.net

Greetings to all. I have been DXing off and on since the early 1970s. I joined the NRC in the early 1990s and have been a continuous member since. The grand total heard at my current location is 902 (851 domestic, 51 foreign, 39 states, 7 provinces). I have been trying to hear all VA and MD stations since I moved to my current location in 1993 (my most wanted list). I still have 28 unheard VA stations (14 are graveyards), and 5 unheard MD stations (2 are graveyards). I spend most of my DX time chasing the most-wanted list for the remaining unheard VA and MD stations. My closest unheard is WKHZ (cool call letters) on 1460 in Easton MD at ~72 miles. Time devoted to DXing has been hampered over the last few years due to other commitments and a severe racket on the AM band at my location. I live in a townhouse and one day I noticed a cable TV truck at my neighbor's townhouse, followed by the worst racket I have ever heard on the AM band. I could not DX much anyway at the time due to other obligations so I let it pass. Then two years ago the neighbor moved away and the racket disappeared. I guess the pent-up need to DX came back because my enthusiasm returned. I acquired a Quantum QX Loop v2.0 from Radio Plus+ in January 2014. It's a nifty little tool to work with my Sangean ATS-803A. I also have a Superadio II, Superadio III, Sony SRF-M37W ultra light, a Select-A-Tenna, and a Radio Shack loop. One thing I wish I had included in my logs over the years is the radio and antenna with which I heard each station (duh, why didn't I do that!). The Superadio II was a workhorse for me and I still marvel at its capabilities. Most time is now spent with the ATS-803A and the Quantum Loop. I started listening to the DXAS in January 2014 and I'm enjoying it very much (thanks to Fred Vobbe et al). I am using the NRC website to download DXNs and DXAS. I will probably opt for the e-DXN membership-only at renewal time and rely on the website. 73...

Rev. James Renfrew – Clarendon NY jim.renfrew@gmail.com

Having been more present in the pages of DXN in years past and very little lately I thought I would let everyone know that I am alive and well and still DXing! I was in Cappahayden, Newfoundland in November 2011 and November 2013 with the usual intrepid bunch, typically consisting of Jean Burnell, Chuck Hutton, John Fisher and/or Saul Chernos. Most of our DXing there utilizes the Perseus SDR (though Saul is still conventional with an AOR rig). This means that we are plowing through several lifetimes of exotic DX once we get back home. To give you an idea of how long it takes: As of tonight, April 14, I have finally finished reviewing the Perseus files from November 11th. At this rate, I won't finish the seven days of November 2013 until some time in 2018. And I still have the majority of recordings from November 2011 yet to review. These are usually 5 minute spectrum grabs at the top and bottom of the hour through the night. To be fair, November 11 was an incredible night with tons of stuff from Brazil, Argentina, Uruguay and Paraguay identified. We'll be lucky if the other nights that week are even half as good. This was the best South American night I've seen in a long time. There's nothing more scintillating than multiple stations on one channel in Portuguese. Of course, what slows things down even more is that Portuguese is a lot more difficult for me than Spanish. So we spend a lot of time circulating clips among ourselves, and also posting them on RealDX, to find those elusive IDs. One other thing that slows me down is that I also look for LW NDBs, since the spectrum grab covers 150 - 1750 khz. In 2010 and 2011 I logged NDB signals from oil platforms in the North Sea, and in 2013 I've found some new Brazilian NDBs.

The November 11 recordings have given very little in the way of new TA loggings, and our most desirable target, India, was mostly a bust this time. One nice result was scheduling Perseus recordings at the Spanish RNE local ID times in their morning hours and then finding lots of local and regional IDs in listening later. In previous years, using parallel programming has allowed us to ID lots of Iranians and Indians, Iranians at the bottom of the hour, and Indians at sign-on with a distinctive interval signal.

One benefit to SDR recordings is that I can review them anytime of day or night. I can sometimes be spotted in various public libraries with my headphones on if I have some downtime between meetings.

Years ago, we had our final report from Newfoundland done in a couple of months, and you could see them posted in DX News and other places. Now I'm not sure when we'll ever have a finished report, with so many files still to review. And they can be so large in size that if they ever get done they would be too large to print. You can look at some of our stuff reported on www.Dxing.info, but the most recent report there is from 2009! That means our once-in-a-lifetime haul of late morning TPs from Japan, Korea and China in 2010 hasn't been reported yet!

I did get some real time DXing done this year, mostly by trawling the tips reported by others. The best, of course was VestiFM 1089 from Krasnodar, Russia, in March, for Country #79 heard in western New York. As I like to say, to encourage myself, I only have about 40 more countries to hear to catch up with Ben Dangerfield. In Newfoundland our group has heard at least 120 radio countries. Domestic highlights here at home included in January Disney 1640 from Oregon (for #48 state heard) and Washington 1520 (with WWKB off). I'm over the 2,500 mark in MW stations logged from here since 1976.

Some of you visited my homes in Byron and now Clarendon during the Batavia and Rochester conventions. I've now got a great place with almost seven acres (and a cooperative neighbor) to spread wire, 200 SE, 700 W, 600 NE, and a TA-rich Kaz antenna hanging from some perfectly aligned trees in the front yard (until the ash borers get them!).

When not DXing, I am a Presbyterian minister in nearby Byron. These days I also have some regional responsibilities with our denomination that keep me very busy. My wife and I are doing the skip-generation work of raising our 4 year old granddaughter in our spare time, along with another grandmother. We'll see if she shows any interest in DX - still a bit young yet. Though I recall Kaz claiming to have started DXing as a toddler or maybe while still in the womb!

By the way, thanks to Wayne for his long service as chair of the NRC BoD, and for Paul stepping up to take on that important responsibility. Posting this info quickly and in detail is much appreciated.



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Twitter can be used to disseminate hot MW DX tips to the DX community

To read tips: go to www.twitter.com and search for **#mwdx**

To send tips, write a tweet (140 characters max) and include the tag **#mwdx**

April 2014 "Rockwork 4" Oregon Cliff DXpedition

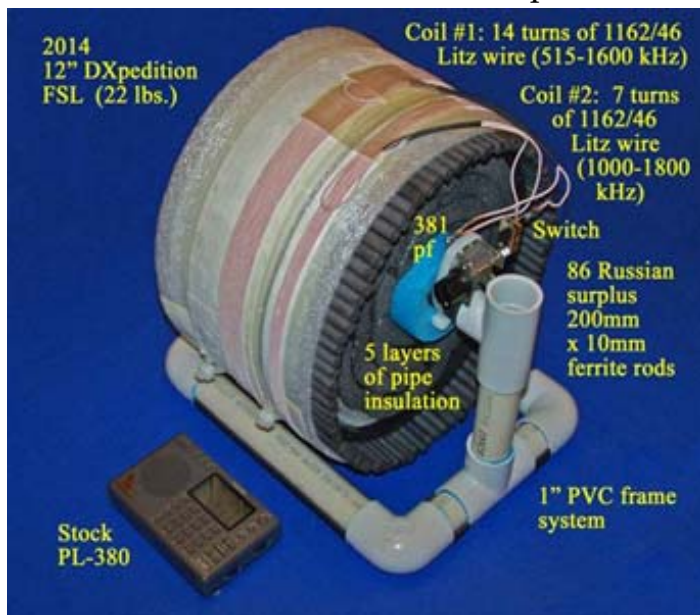
Sacrificing Comfort for Three Days of Wild Hobby Fun

Gary DeBock, Puyallup, WA, USA

April 2014

Introduction: Three years of investigating the transoceanic signal boosts provided by sheer ocean side cliffs has resulted in pretty conclusive evidence that such enhanced propagation is an exciting reality, although the parameters and extent of such signal boosts are still relatively unknown. What is known very well, however, is that these sheer cliffs definitely demand a pretty harsh sacrifice of DXing comfort prior to providing their unique transoceanic signal enhancement.

In a continuing effort to investigate the special transoceanic propagation at these sheer ocean side cliffs a relatively short three day DXpedition was scheduled for April 9-11 at the "Rockwork 4" site, located about 10 miles south of Cannon Beach, Oregon (just south of the Tillamook County border). Based on the results of four previous DXpeditions to this site it was clear that its sheer rock cliff (with a fairly unique 400 foot/122 meter straight down plunge to the Pacific) certainly provided enhanced transoceanic propagation, especially in the reception of New Zealand stations during the North American summer months of July and August. What was not so clear was how the cliff would behave in the month of April – and whether or not it's almost freakish preference for Kiwi



signals would be in evidence before the local summer season began. With the Asian TP propagation on its last legs after a very long season, it was also unclear how well these stations would show up at the awesome cliff site. On the North American west coast, April is somewhat of a transition month between Asian and South Pacific propagation – so during the three day trip I really wasn't expecting exceptional propagation from either area, but was hopeful of at least a few interesting signals from both areas. As it turned out, the cliff once again exceeded my "DXpectations"... once I had "paid my dues" with an almost total sacrifice of listening comfort.

Experimentation: Graham Maynard's introduction of the FSL antenna in February of 2011 was the key to this discovery of this enhanced ocean cliff transoceanic propagation, primarily because of the antenna's breakthrough combination of exceptional performance with exceptional compactness. No matter how narrow or steep an ocean cliff site was, as long as it provided about one square yard (or meter) of flat setup space the new FSL antenna could provide its exceptional sensitivity to investigate transoceanic propagation at the location.

Three years of FSL antenna design improvements had resulted in 12" diameter models which were highly competitive in both South Pacific and Asian TP reception when augmented by ocean cliff propagation boosts, but which seemed to provide higher sensitivity on the low band than the high band (in rough comparisons with Perseus-SDR receivers using broadband antennas). In an effort to make the FSL antennas more competitive on the high band a new dual coil system was incorporated into all FSL test models built during the winter 2014 season, and this new system did result in better high band sensitivity (and tuning ease) relative to the single coil FSL models used previously.

The 2013 DXpedition FSL (a 12" model weighing 22 pounds) was already pretty close to the practical weight limit for an antenna designed for deployment at dark, unfamiliar ocean cliff sites – so a primary objective was to attempt a significant



sensitivity boost simply by upgrading the Litz wire type (without increasing the antenna's size, or weight). Fortunately the eBay seller "Mkmak222" had recently begun offering two new types of ultra-high sensitivity Litz wire – 660/38 (660 individual strands of #38 wire), and 1162/46 (1162 individual strands of #46 wire). Both of these new Litz wire types were ordered, and both were used to construct new 12" dual coil FSL test models. It was hoped that one or both of these new 12" models would demonstrate a sensitivity advantage over the 12" single coil model used for the 2013 DXpeditions – thereby boosting the antenna's sensitivity without boosting its already hefty weight. If such a goal could be accomplished, it would be a very useful and easy upgrade.

In detailed A/B testing the new 12" FSL with the 1162/46 Litz wire had a clear sensitivity edge



over the new 12" FSL with the 660/38 Litz wire – and very fortunately, an even greater sensitivity advantage over the 2013 DXpedition 12" model. As such, the new 1162/46 Litz wire, dual coil 12" FSL was chosen as the winning antenna for this April 9-11 DXpedition to the "Rockwork 4" ocean cliff site.

Just prior to the DXpedition there was barely enough time to create a new 15" FSL model, based on the discoveries and improvements made in the new 12" model (with the 1162/46 Litz wire). At an \$803 construction cost, this monster model certainly was a prime example of a "Financial Sinkhole Loop," and drew some fairly harsh stares from a very close family member (from whom it seemed like a good idea to hide the material purchasing receipts ☺ Of

course the 22-gallon plastic tote designed to carry this huge new 15" FSL model was not something that could be easily accommodated in our crammed Toyota Corolla during this "family vacation," so I decided not to push my luck by bringing it out of its hiding place (in a closet, accompanied by the scandalous purchasing receipts.) Suffice it to say that my purchase of the 111 Russian surplus 200mm x 10mm ferrite rods should have made a significant contribution to the Ukrainian seller's early retirement program. The new 15" FSLs weak signal DXing performance, however, was proof that not a dime had been wasted – and as long as this 30 pound monster was safely transported and set up, it provided a real "heavyweight" level of transoceanic DX sensitivity.

Modified Ultralight Radio Receivers: In order to successfully receive a good variety of 9 kHz split frequency transoceanic DX at these ocean cliff sites with Ultralight radios it is necessary to have one with razor-sharp selectivity – either one with the new 1 KHz DSP filtering provided by the Silicon Labs' Si4734 DSP chip (such as the 7.5" loopstick Tecsun PL-380 model, at left) or one of the earlier 455 kHz IF Ultralight radios with a transplanted premium IF filter (like the CCrane SWP 7.5" Slider loopstick model with a transplanted Murata CFJ455K5 filter, shown on the next page). Since I had both of these models on hand, and since I frankly suspected that one or both of them would be knocked out by vicious weather at the ocean cliff site, I decided to bring both of them along for this April DXpedition. Both had been used in previous ocean coast trips, and each model had its own advantages.



The 7.5" loopstick Tecsun PL-380 model definitely has better construction to survive heavy rain and nasty bumps, but its 1 kHz DSP filtering tends to clip off some of the higher audio frequencies during MP3 recordings. The CCrane SWP with the transplanted IF filter (an early 2009 concoction) can provide better MP3 recording audio, but any type of rain can disrupt the tuning operation of its razor-sharp Slider loopstick. As such, these two



models provided somewhat of an advantage tradeoff, depending on the severity of the ocean cliff weather. My general plan was to use the CCrane SWP Slider model as long as the weather was clear, but shift over to the 7.5" loopstick PL-380 model at the first sign of rain. As it turned out, all three nights at the ocean cliff site featured clear weather – so the CCrane SWP Slider model was used exclusively during the DXpedition. The "clear weather" during the three nights certainly didn't mean comfortable conditions, however... and I was about to discover that repeatedly adjusting a razor-sharp Slider loopstick is not the best idea when fingers are nearly stiff and frozen.

Murphy's Law Kicks Off the Trip: By coincidence two local Perseus-SDR DXers (Chuck Hutton and hometown buddy Guy Atkins) had scheduled a trip to the same "Rockwork 4" ocean cliff site during the three days prior to my visit, and Guy had reported some unusual RF noise at the site – possibly related to a road construction crew nearby. Because of this strange RF noise Guy's DXing results didn't seem to be up to his expectations, making me wonder exactly how my humble, unshielded Ultralight radios were going to deal with the RF noise that had troubled the Perseus-SDR receivers. Also, during the rushed "family vacation" packing various items were forgotten (as usual), including the Ediol R09 MP3 recorder, making it impossible to post same-day MP3's. Finally, as we approached our Cannon Beach motel the night before the first DXing session very heavy rain was pounding our crammed Toyota Corolla – making it seem like I had chosen the worst possible start date for ocean cliff DXing.



Ocean Cliff DXing – Clear, Cold and Windy: To my surprise the pounding rain had stopped by 0400 local time (1100 UTC) on April 9th, and the highly exposed Rockwork 4 ocean cliff site featured an awesome view of moonlight reflecting off of the smooth ocean 400 feet below. While setting up my 12" FSL on its 5' PVC base I noticed that the wind was kicking up, however – which is not a very comfortable occurrence when the temperature is only 40 degrees F (4 degrees C.)

Not having any idea what to expect from this April propagation, I started off by checking the usual South Pacific frequencies, starting with 531 kHz. To my big surprise the 5 kW New Zealand Samoan language station 531-PI was already in with an excellent signal at 1115 UTC, sounding very much like it does during peak summer propagation around sunrise in July or August. Tuning to the Kiwi big gun station 567-RNZ I found that it had a fair signal at 1128 – and it seemed like the South Pacific stations were really going to roll in for me. Wrong! Immediately after that all of the DU stations started to dive into the noise, leaving only ghostly audio or anemic carriers across the band. I figured that sunrise enhancement would really give them a boost like it does in the summer, but to my great surprise it only made most of them even weaker. This bizarre South Pacific propagation in April was the exact opposite of what summer offers at this cliff – which is relatively weak South Pacific signals during the predawn darkness, which become very strong with increasing daylight.

Fortunately several Asian stations were already fairly strong (in the total darkness) by 1145, and these definitely received a potent sunrise enhancement boost. Besides the usual Japanese and Korean big guns on 594, 693, 774 and 972 there were strong signals from 603-HLSA and 657-Pyongyang (playing surprisingly good music), as well as some fair audio on the raspy 702 KHz (North Korean KCBS) carrier. Overall the morning's results didn't seem too bad for April, although I was wondering whether the sudden plunge of the DUs around 1140 UTC might have been an aberration, which wouldn't happen again on the next two days.

The second day of DXing also began around 1100 UTC (0400 local time) on the cliff, and once again the weather was clear and cold – but with a much stiffer wind chill than the previous day. To make matters worse it seemed like the South Pacific propagation had also gone into a deep freeze, with only ghostly

audio from the Kiwi big gun 567-RNZ. Being stuck on a freezing ocean cliff at 0430 local time without much propagation from either the South Pacific or Asia is a pretty rough experience... and there wasn't any solution to the problem except retreating inside the car to warm up with its heater, and wait for sunrise enhancement about 2 hours later. Periodically during the darkness hours I checked both the South Pacific and Asian big gun frequencies in the freezing wind, but both areas seemed to be stuck in the propagation doldrums – and by 1200 UTC even the ghostly signal from 567-RNZ had disappeared. I was beginning to wonder whether my unbroken string of 19 exciting days of superior ocean cliff transoceanic propagation might be at risk, when I finally received my answer around 1330 UTC (0630 local time.) Suddenly it seemed like the propagation floodgates to Asia were opened, and the Korean big gun 972-HLCA pounded in with the strongest signal it's ever managed during my 8 years of TP-DXing. 1134-JOQR also was unusually strong at 1342, as well as the Korean big gun 1566-HLAZ at 1347. Unfortunately this sudden propagation turnaround happened very late in the morning, and it was fairly short-lived in the increasing daylight. The late rally seemed like small compensation for three freezing hours on the cliff, although I had finally learned my lesson about South Pacific propagation on this Rockwork 4 cliff in April – you can only



receive the “main course” by DXing well before 1100 UTC (0400 local time)... trying to track down DU signals around local sunrise will only leave you with the “leftovers.”

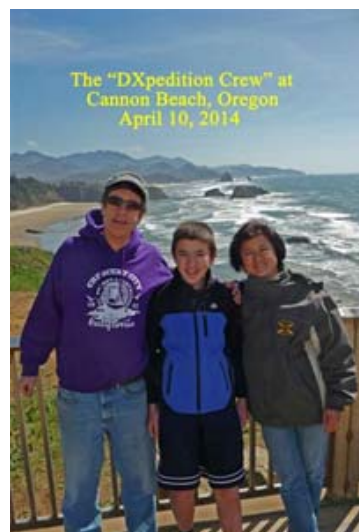
Consequently, on the third and final night I decided to change my strategy completely, and show up at the cold, windswept cliff at the bizarre hour of 0800 UTC (0100 local time.) The idea of spending almost all night fighting the cliff’s freezing wind chill wasn’t very appealing, but I was convinced that a far greater variety of South Pacific signals would provide some compensation for my sacrifice. As it turned out I was correct – but the freezing wind would definitely make me pay a serious price for each early morning DU reception.

As soon as the FSL antenna was set up around 0830 UTC I finally noticed that a good variety of New Zealand stations was in evidence across the band, although most of them were at fairly modest levels. After another fair-level reception of 531-PI at 0835 the 2.5 kW Maori-language overachiever 765-Radio Kahungunu was received with good signals at 0843 – the second New Zealand station to be received at full summertime strength. After this the DU chase became a real endurance contest, with 1017-A3Z in Tonga being received in and out of the domestic splatter from 0855-0915, and a presumed 594-NZ. Rhema showing up with a weak DU-English sermon at 0912. The Kiwi big gun 567-RNZ was in and out with fair signals again around 0930, and 738-Radio Polynesie in Tahiti managed good signals around 1000 – almost at full summertime strength. Besides these signals a whole collection of Kiwi stations was showing up at anemic levels, including 603-Radio Waatea, 657-Southern Star, 675-RNZ, 828-Radio Trackside/Live Sport, 1008-Newstalk ZB and 1503-Radio Sport. Around 1030 the South Pacific signals generally began to taper off, though (along with my ability to withstand the cliff’s constant, punishing wind chill), and I had no option but to retreat inside the Corolla for about an hour in an attempt to thaw out stiff fingers, toes and other appendages in preparation for a sunrise DXing session. Although the overnight South Pacific results were fairly modest I felt some satisfaction in finally solving the puzzle of April DU propagation – and knowing that I probably did the best that I could in the face of punishing weather and tenuous signals.

After spending about an hour warming up in the Corolla I noticed that the Asian big guns were really booming in around 1230, so I decided to try for some Chinese stations (which had yet to appear at the cliff, during this trip.) To my surprise four of the CRI stations (on 1323, 1017, 1044 and 963) were received at good levels in quick succession, and the Russian language service on 1323-CRI at 1236 was the strongest that I had ever heard it. Weak Chinese was also received from the presumed 756-CNR1 synchros at 1321, and fair Korean pop music at 1337 from the KBS2 regular 558-HLQH (//603-HLSA.) Sunrise enhancement at the frigid ocean cliff site ended around 1400 – along with any interest on my part to continue forcing near-frozen fingers to operate tiny Ultralight radio controls. After six miserable hours on the cliff I was more than ready to get in the warm Corolla... and wait until a warm July morning before even considering a return visit.

Conclusion: Ocean cliff propagation in April was interesting because of its combination of Asian and South Pacific propagation, although as expected during this transition month there wasn’t much exceptional propagation from either area. Receiving a good variety of South Pacific stations in April with Ultralight radios at this site was a labor-intensive effort, requiring a serious commitment in time and effort during inconvenient early morning hours. When the weather also turns adverse the entire experience can be pretty rough. The same South Pacific stations which require so much effort to track down in the early morning hours during tenuous April propagation can usually be received at vibrant levels each morning around sunrise in July or August – with warm weather as a bonus. Despite this I was generally satisfied with the DU-DXing results during this trip, knowing very well that the propagation was far from optimum. Although the overall results were meager in comparison with a summer DXpedition there were several good signals (531-PI, 765-Radio Kahungunu and 738-Radio Polynesie,) and the discovery that the best South Pacific propagation in April occurs during the very early morning (0700-1000 UTC) period may provide some assistance to other west coast DXers in the future. I also felt some satisfaction in working through the harsh cliff weather, and continuing the DXing effort until a fair variety of South Pacific stations were received despite the freezing wind chill.

The Asian propagation during this trip was quite a bit better than expected, however, especially considering the very late season date. The signals from the Japanese and Korean big guns on 594, 693, 774, 972 and 1566 were vibrant indeed (with 972-HLCA especially awesome,) and the signal from 1323-CRI was the strongest that I’ve ever heard it. Nothing very exotic showed up, but that was probably to be expected in April. Even if the awesome signals were mainly from the Asian big guns, the experience of receiving so many huge TP signals in April provided a nice change of pace from the mediocre signal levels at home, in Puyallup ☺



Probably the main benefit from the Rockwork 4 visit was the chance to test out the new 12" dual-coil FSL antenna in relatively tough propagation and weather conditions – and at least in this one aspect, the transoceanic results certainly made the entire experience seem very worthwhile. Curiously, I never heard any trace of the RF noise that had bothered the Perseus-SDR DXers during the three days prior to my visit, although the Highway 101 construction crew was still grinding away at the Rockwork site. Possibly the FSL antenna was able to null out any RF noise because of its setup position, which placed the construction crew (and their blinking road sign) off the ends of the ferrite rods. In any case, the new FSL antenna probably was the major factor in providing fairly decent transoceanic results in the lackluster April propagation – and providing just enough DU-DXing excitement to make a freezing overnight wind chill barely tolerable.

DX Loggings and MP3s: In the list of TP and DU loggings below the transoceanic signals which reached an S9 level (judging by the LED light display on the modified ICF-2010 spotting receiver) are marked with a **bold/underlined frequency**. All Ultralight radio loggings were made on a 7.5" loopstick CCrane SWP receiver (with a transplanted CFJ455K5 IF filter) inductively coupled to a new 12" DXpedition FSL antenna. For those who are interested, a helicopter photo of the awesome DXing site is posted at <http://www.mediafire.com/view/2jtmctq7as7448o/Rockwork-Sites-003.jpg>.

73 and Good DX, Gary DeBock (in Puyallup WA, USA)

- 531** **NEW ZEALAND**, PI, Auckland, 5 kW. This Samoan language station was the strongest DU performer during the trip, with excellent signals at 1115 on 4/9
<http://www.mediafire.com/listen/7b96yatyewaob9q/531-PI-1115z040914SWP.MP3>
It also showed up at 0838 on 4/11, with somewhat lesser strength:
<http://www.mediafire.com/listen/3iy924gcvacw1yi/531-PI-0836z041114SWP.MP3>
- 558 **REP KOREA**, HLQH, Daegu, 250 kW. This KBS2 regular usually made a fair appearance during sunrise enhancement, although at lesser strength than its 603 parallel. Here it is at 1337 on 4/11:
<http://www.mediafire.com/listen/xv4ce619i8bcej6/558-HLQH-1337z041114SWP.MP3>
- 567 **NEW ZEALAND**, Wellington, RNZ, 50 kW This Kiwi big gun put in a fair signal at 1128 of 4/9, and generally hung around until sunrise enhancement each morning.
<http://www.mediafire.com/listen/kn3lr46ufujmq0m/567-RNZ-1128z040914SWP.MP3>
- 567 **JAPAN**, JOIK, Sapporo, 100 kW. Not one of the better Japanese performers during the DXpedition, and troubled by 570-Seattle splatter. Here it is at a fair level at 1307 on 4/10.
<http://www.mediafire.com/listen/az3cx4k1wxvtoph/567-JOIK-1307z041014SWP.MP3>
- 594p **NEW ZEALAND**, Timaru/ Wanagnui, NZ Rhema, 5 kW/2 kW. As far as I can tell, this anemic DU-English during all-Kiwi propagation at 0912 on 4/11 is a sermon from the low-powered Christian broadcasting network.
<http://www.mediafire.com/listen/e4ar6vu2mx4x1h3/594-NZ.Rhema-0912z041114SWP.MP3>
- 594** **JAPAN**, JOAK, Tokyo, 300 kW. One of the best Japanese performers during the trip, here it is with excellent-level speech and music at 1322 on 4/9. Unlike the other NHK big guns, it enjoyed a clear frequency.
<http://www.mediafire.com/listen/j4c55btmje0o319/594-JOAK-1322z040914SWP.MP3>
- 603 **REP KOREA**, HLSA, Namyang, 500 kW. Strong Korean pop music at 1245 on 4/9, and the best KBS2 performer during the DXpedition.
<http://www.mediafire.com/listen/dvnuota4t11wr0t/603-HLSA-1316z040914SWP.MP3>
- 603 **NEW ZEALAND**, Auckland, Radio Waatea, 5 kW. Usually this is one of the stronger Kiwi stations, but not this time. The best it reached was a poor level with apparent Maori music during all-Kiwi propagation at 0905 on 4/11.
- 603 **UnID-TP**. Ghostly Chinese-sounding speech mixing with HLSA's pop music at 1323 on 4/9, possibly the regular Chinese co-channel.
<http://www.mediafire.com/listen/u2tcoakjkbrcui21/612-UnID-TP-1235z041014SWP.MP3>
- 612 **UnID-TP**. This weak voice could have been either an Asian TP or a DU, since either variety could have shown up at 1235 on 4/10. No idea who it is.
<http://www.mediafire.com/listen/u2tcoakjkbrcui21/612-UnID-TP-1235z041014SWP.MP3>
- 657** **DPR KOREA**, Radio Pyongyang, 1500 kW. Strong female vocal music at 1145 on 4/9; a little bizarre, but unusually good music for this station.
<http://www.mediafire.com/listen/divaehfxdia160y/657-Pyongyang-1145z040914SWP.MP3>
- 657 **NEW ZEALAND**, Tauranga, Southern Star, 10 kW. This station barely showed up with very weak Christian hymns during all-Kiwi propagation at 0852 on 4/11.
- 666 **JAPAN**, JOBK, Osaka, 100 kW. This was a serious underperformer during the entire trip, with weak signals chopped up badly by domestic splatter.

- 675 **NEW ZEALAND**, Christchurch, RNZ, 10 kW. During all-Kiwi propagation around 0858 on 4/11 this ghostly station seemed to be parallel with 567-RNZ, but the freezing wind made it tough to check back and forth between the two anemic stations.
- 693** **JAPAN**, JOAB, Tokyo, 500 kW. One of the strongest NHK big guns throughout the DXpedition, here with excellent-level English lessons at 1222 on 4/9.
<http://www.mediafire.com/listen/uch9hxy5w40z4lk/693-JOAB-1222z040914SWP.MP3>
- 702 **DPR KOREA**, KCBS Chongjin, 50 kW. The infamous raspy carrier on 702 finally managed some fair-level audio at 1217 on 4/9, recycling 657-Pyongyang's tirade woman.
<http://www.mediafire.com/listen/jm6196xo37wgicn/702-KCBS-1217z040914SWP.MP3>
- 738 **TAHITI**, Mahina, Radio Polynesie, 20 kW. Almost up to summertime strength with fair to good French woman speech at 1002 on 4/11.
<http://www.mediafire.com/listen/qtnyiabs7sihsim/738-R.Polynesie-1002z041114SWP.MP3>
- 747 **JAPAN**, JOIB, Sapporo, 500 kW. This NHK2 big gun had the misfortune of being right next to semi-local 750-Portland, although the rock cliff helped reduce the splatter to a reasonable level at 1320 on 4/10.
<http://www.mediafire.com/listen/2bgbm4xhr3s3efl/747-JOIB-1320z041014SWP.MP3>
- 756p **CHINA**, CNR1 Chinese Synchros. Probably the stations with ghostly Chinese-like speech at 1321 on 4/11. Without the rock cliff 750-Portland splatter would have prevailed.
<http://www.mediafire.com/listen/j52s92npcbv3ep/756-CNR1-1321z041114SWP.MP3>
- 765 **NEW ZEALAND**, Napier-Hastings, Radio Kahungunu, 2.5 kW. Another of the Kiwis with vibrant, summer-like signals playing Maori music at 0843 on 4/11; for its power level this station was a real performer.
http://www.mediafire.com/listen/ze9co15xenb1c8z/765-R._Kahungunu-0843z041114SWP.MP3
- 774** **JAPAN**, JOUB, Akita, 500 kW. Typical booming signal with English lessons at 1303 on 4/9, and one of the strongest TPs during the DXpedition.
<http://www.mediafire.com/listen/dkbyw3cd0gfg4u9/774-JOUB-1303z040914SWP.MP3>
- 828 **JAPAN**, JOBB, Osaka, 300 kW. This NHK2 big gun had decent signals each morning, but not quite up to the strength of its 693 and 774 parallels.
<http://www.mediafire.com/listen/4dn3dfysanane6b/828-JOBB-1327z041114SWP.MP3>
- 828p **NEW ZEALAND**, Palmerston North, Radio Trackside/LiveSport, 2 kW. Poor level DU English speech during Kiwi-slanted propagation at 0848 on 4/11 was probably this station, but too weak to record.
- 864p **REP KOREA**, HLKR, Gangneung, 100 kW. Weak level Korean speech was heard on this frequency at 1235 on 4/9, but I figured that it would come up in strength for a better recording later. Of course it bailed for good after that.
- 963 **CHINA**, CRI Huadian, 600 kW. Good level Chinese music during Russian service at 1258 on 4/11; only heard on one out of three days.
<http://www.mediafire.com/listen/vm4uv4kmsbt161/963-CRI-1258z041114SWP.MP3>
- 972** **REP KOREA**, HLCA, Dangjin, 1500 kW. Awesome level Korean pop music at 1335 on 4/10. This was the strongest signal from the station that I've ever received.
<http://www.mediafire.com/listen/qwvfaray713an3f/972-HLCA-1335z041014SWP.MP3>
- 1008 **NEW ZEALAND**, Tauranga, Newstalk ZB, 10 kW. This anemic Kiwi station would stay just above the noise levels for hours on end (except when I grabbed my MP3 recorder, which always caused it to bail on cue.)
- 1017 **TONGA**, A3Z, Nuku'alofa, 10 kW. Voice of fair-level female foreign language speaker (in domestic splatter) at 0855 on 4/11 matched with those on Tonga MPs recorded by Bill Whitacre (in Yachats) and myself (at Rockwork 4, confirmed by NZs Tony King) last summer. Not a vibrant logging, but I'll take it in April (headphones recommended).
<http://www.mediafire.com/listen/xuh3zso1gj1ieo/1017-A3Z-0855z041114SWP.MP3>
- 1017 **CHINA**, CRI Changchun, 200 kW. Good level Chinese music during Korean service at 1248 on 4/11; heard on only one of three days.
<http://www.mediafire.com/listen/rtdtdv3bmbzhdme/1017-CRI-1248z041114SWP.MP3>
- 1044 **CHINA**, CRI Changzhou, 600 kW. Fair level Japanese service mangled by domestic splatter at 1240 on 4/11, making it tough to record.
- 1053 **REP KOREA**, jammer. Nice signal on one out of three days (at 1253 on 4/11), but MIA otherwise.
<http://www.mediafire.com/listen/zcjhi2k1la14449/1053-Jammer-1253z041114SWP.MP3>
- 1134 **JAPAN**, JOQR, Tokyo, 100 kW. During a huge sunrise enhancement boost favoring Korea at 1354 on 4/10 this station completely took over the frequency with potent signals, leaving no trace of the logical KBS signal.
<http://www.mediafire.com/listen/xktbgb964wnob9v/1134-JOQR-1354z041014SWP.MP3>

- 1323 **CHINA**, CRI Huadian, 600 kW. Strong male speech during Russian service at 1241 on 4/11; this was the strongest signal it's ever managed for me during a DXpedition.
<http://www.mediafire.com/listen/95p1hdcr4e8su13/1323-CRI-1241z041114SWP.MP3>
- 1503 **NEW ZEALAND**, Wellington, Radio Sport, 5 kW. This was another of the anemic Kiwi stations which would stick around on the frequency for hours on end, but never come up to a decent level for recording. It usually was just above the noise level, right up through sunrise enhancement.
- 1566** **REP KOREA**, HLAZ, Jeju, 250 kW. Very strong Chinese language religious program at 1347 on 4/10, right after switch from the station's Japanese program.
<http://www.mediafire.com/listen/ta1aiwbae3c8136/1566-HLAZ-1347z041014SWP.MP3>

ADDITIONAL RESOURCES: Watch the April 2014 Rockwork 4 DXpedition video:
http://www.youtube.com/watch?v=M_faDLUq1U

FCC DECISION – Application to Move 640 kHz CP to Peotone IL

Issued May 1, 2014

This letter refers to the long-form application (the “Application”), as amended, of Birach Broadcasting Corporation (“Birach”), winning bidder in Auction 88 for a minor change of a new, unbuilt AM facility (640 kHz). The Application proposes to change transmitter sites, construct a new four-tower array, and change the community of license from Terre Haute, Indiana, to Peotone, Illinois (the “Station”), and includes an Interference Reduction Agreement (“IRA”) proposing, *inter alia*, the surrender of the license of Birach’s Station WMFN(AM), Zeeland, Michigan. We also have before us a Petition to Deny the Application filed on September 20, 2012, by Word Power, Inc. (“WPI”), a former auction applicant for the 640 kHz frequency (the “WPI Objection”); an Informal Objection, filed on September 14, 2012, by Robert Michael Ditto (the “Ditto Objection”); and Informal Objections filed on October 15, 2012, by Anna White (“White”); and October 22, 2012, by Fred J. Nation (“Nation”) (collectively, the “Objections”), as well as various related pleadings. For the reasons discussed below we: (1) dismiss WPI’s Petition to Deny and deny it when treated as an informal objection; (2) deny the Ditto Objection; (3) deny the Objections; (4) approve the IRA; and (5) grant the Application.

Background. The Application was filed pursuant to Sections 73.3573(a)(1)(i) and (g) of the Commission’s Rules (the “Rules”), which permit a winning auction bidder to file a minor amendment to its proposal to specify a new community of license without affording other parties an opportunity to file competing expressions of interest. In support of the Application, Birach alleges that the proposal satisfies the requirements for changing a station’s community of license because: (1) the proposed use of the 640 kHz frequency at Peotone will provide that community with its first local, full-time, aural service; (2) nine stations will remain licensed to Terre Haute; and (3) the provision of a first licensed local service to the smaller community of Peotone (population 3,385) under FM Priority (3) will result in a preferential arrangement of allotments over the initiation of a tenth local service at the larger community of Terre Haute (population 119,637). Birach further contends that the proposed reallocation would not violate the Commission’s *Rural 2d R&O* policies that restrict the relocation of radio stations from smaller communities to larger Urbanized Areas (“UA”) and submits a *Tuck* showing demonstrating Peotone’s independence from the Chicago, Illinois, UA.

Additionally, Birach proposes to increase the Station's daytime power from 0.25 kW to 4.5 kW and to surrender its WMFN(AM) license. In the IRA, Birach contends that grant of the proposal will increase service from the Station, eliminate existing prohibited overlap to a substantial area and population, and will leave no area receiving fewer than five aural broadcast services.

The WPI Objection. WPI alleges that the Application should be dismissed because: (1) the Chicago UA already has a plethora of existing services; (2) the previous 640 kHz operation at Terre Haute gave the community and a very large surrounding area in rural Indiana and Illinois superior daytime and nighttime coverage; and (3) the construction permit was auctioned for Terre Haute; thus, the 640 kHz frequency should be re-opened for auction.

In its Opposition, Birach argues that the WPI Objection should be dismissed because: (1) it is procedurally defective for failure to provide service upon Birach’s counsel pursuant to Section 1.47 of the Rules; (2) it is a “frivolous pleading” pursuant to Section 1.52 of the Rules, as WPI has not provided any legal or technical argument as to why Birach should not be allowed to modify its construction permit to specify a new community of license; and (3) WPI offers no legal basis for its position that Birach’s Station authorization should be rescinded in favor of a new station in Terre Haute.

The Ditto Objection. Ditto argues that the Application should be dismissed because: (1) loss of the Station will result in a less competitive environment in Terre Haute as there are only two owners of all the licensed stations in the community -- Emmis Communications, Inc. ("Emmis") and Midwest Communications, Inc. ("Midwest"); (2) there will be less local programming in Terre Haute as many programs on the other stations are "voice tracked from corporate headquarters"; (3) Terre Haute will lose the lowest frequency (640 kHz) in the state of Indiana and a station capable of providing wide-area service; and (4) Birach, which already owns a station -- WNWI(AM) – in Chicago, should not be allowed to abandon Terre Haute.

In its Ditto Opposition, Birach argues that there are nine stations licensed to Terre Haute and that all are not owned by either Emmis or Midwest. In addition, Birach argues that since the community is "well served" with five or more full-time reception services pursuant to the Rules and because the Station "is an unbuilt construction permit," and thus, considered only a "potential service," it can, if deemed fit by the Commission, move the Station to a new community of license. Finally, Birach contends that the relocation of the Station to Peotone will result in the preferential use of the spectrum pursuant to Section 307(b) of the Act. Specifically, Birach argues that the proposed facilities will provide a "first local service to Peotone" in accordance with Priority (3) of Section 307(b) and because this is an unbuilt facility, Terre Haute will not be losing a station.

In his Reply, Ditto asserts that Emmis and Midwest are the licensees of the four commercial stations in Terre Haute and licensees of six of the 14 station signals available to Terre Haute; thus, loss of the Station will present a less competitive environment in Terre Haute. Next, Ditto contends that Terre Haute is not "well served" by five or more services, as Birach contends, because only four are commercial. In addition, Ditto argues that the Station is not unbuilt, as Birach maintains, because Birach "planned" on using the existing transmission facilities of Contemporary Media, Inc., which operated at 640 kHz in Terre Haute for many years. Ditto also asserts that Birach's request in the Application to construct a four-tower array and increase in power to "4,000 watts" are indications that Birach intends to serve Chicago and not the village of Peotone, Illinois. Finally, Ditto claims that Birach "did not enter into the auction [for the Terre Haute permit] in good faith" because its true motive was to serve Chicago and not Terre Haute.

The White and Nation Objections. White and Nation in their identical Objections argue that the Station should remain licensed to Terre Haute because of the lack of diversity and local content in the programming currently serving the Terre Haute area. They also assert that if the Station were to be built in Terre Haute, rather than in Peotone, it would serve a large underserved rural area with a clear daytime and nighttime signal.

Discussion. Pursuant to Section 309(e) of the Act, informal objections must provide properly supported allegations of fact that, if true, would establish a substantial and material question of fact calling for further inquiry regarding whether grant of the Application would be *prima facie* inconsistent with Section 309(a) of the Act. This section provides that we are to grant an application if, upon consideration of the application and pleadings and other such matters of which we may officially take notice, we find that the public interest, convenience, and necessity will be served by the granting of such application. If, however, the applicant fails to meet that standard, the Commission may deny the application after notice and opportunity for a hearing under Section 309(e) of the Act. Objectors have not met this burden.

Section 307(b) Analysis. Initially, we consider whether the Application complies with our Section 307(b) processing policies. In *Rural 2d R&O*, the Commission established a rebuttable presumption that a proposed station located within an urbanized area, or one that would or could serve 50 percent or more of an urbanized area, should be treated as serving the entire urbanized area for purposes of applying our Section 307(b) FM allotment priorities. In this regard, the community of Terre Haute is located within the Terre Haute UA, and the predicted five millivolts per meter ("5 mV/m") contour covers 100 percent of the Terre Haute UA. The community of Peotone is not part of any urbanized area, but the proposed 5 mV/m contour would cover 100 percent of the Kankakee, Illinois, UA, and 50.3 percent of the Chicago UA. We find that the *Rural 2d R&O* policy regarding moves from one urbanized area to another urbanized area applies here. Furthermore, here, as in *Goleta* and *Gearhart*, "a first local service preference is not being used as a basis to enter the market." Therefore, we will treat the Application as serving the Kankakee and Chicago UAs, and consider the proposal under Priority (4), other public interest matters.

We disagree with Ditto's claim that the Application does not result in a preferential arrangement of allotments and his specific claim that loss of the frequency will leave Terre Haute "in a less competitive environment." In that regard, our engineering analysis determines that the proposed change of community of license would result in a substantial net gain of 9,892,810 persons, and that the authorized and proposed Birach facilities would provide an additional radio signal to areas now receiving five or more services.

With regard to the Application's impact on competition, we recognize the strong support that the formerly-operating 640 kHz frequency once enjoyed in Terre Haute, and we agree with the objectors that our Section 307(b) policies take into account the fact that listeners in a community have an expectation that service will continue. However, in this case, the 640 kHz frequency at Terre Haute has been vacant since September of 1998, and Birach is proposing to remove an unbuilt construction permit for a station that has never served Terre Haute. The Commission has stated that an unbuilt station is "not a service on which the public has come to rely," and thus, its removal "does not represent the same concerns with loss of service that removal of an operating station would represent." Therefore, we find that the significantly greater population that will receive service from moving the 640 kHz frequency to Peotone outweighs the loss of service resulting from relocating the unbuilt station from the Terre Haute UA. In so deciding, we are mindful that, with the nine licensed local transmission services that remain in Terre Haute, listeners in that area will continue to have abundant programming choices. Accordingly, we find that the proposed Station relocation to Peotone, Illinois, would serve the public interest; thus, we will deny the Ditto Objection.

With respect to the WPI Objection, regardless of label, petitions or objections should contain specific factual allegations which would warrant grant of the relief requested. WPI has not shown with any degree of specificity the manner in which the Application violates Section 73.3573(a)(i) and (g) of the Rules or Section 307(b) of the Act. Therefore, in view of our conclusions above, we find that WPI has raised no substantial and material question of fact calling for further inquiry regarding grant of the Application. Accordingly we will deny the WPI Objection.

Similarly, in their identical Objections, White and Nation assert simply that the frequency should remain in Terre Haute to provide rural coverage, promote diversity and restore an historic service in the community. They have not shown with any degree of specificity how or in what way Birach, in its Application, has violated either Section 73.3573(a)(i) and (g) or Section 307(b). Therefore, we find that White and Nation also have raised no substantial and material question of fact regarding grant of the Application. Accordingly we will deny their Objections.

Frivolous Objection Claim. Regarding Birach's claim that WPI filed a "frivolous" objection, a pleading may be deemed frivolous pursuant to Section 1.52 of the Rules if there is "no good ground to support it" or it is "interposed for delay." Although we will deny the WPI Objection, we do not find that it is frivolous or abusive. In particular, we note that we have found that Birach's claim that the proposed move would advance Priority (3) is without merit.

Interference Reduction Agreement. The Commission encourages AM licensees and permittees to reach agreements to reduce power or cancel their licenses in order to permit other licensees to improve service, and to reduce overall interference levels. In amending Section 73.3517 of the Rules in 1990 to permit contingent applications that would "reduce interference to one or more AM stations or . . . otherwise decrease the area of interference," the Commission removed regulatory barriers that had previously prevented or discouraged individual AM licensees from entering into private agreements to decrease inter-station interference and improve the overall quality of AM service.

IRAs which propose the deletion or modification of existing AM stations are subject to a case-by-case public interest determination. In particular, the parties must demonstrate that a "local service floor" would remain in the community losing a local transmission service as a result of the proposed agreement. The Commission did not choose to "establish a quantifiable service floor that can uniformly be applied with respect to the replacement of deleted facilities. However, the Commission did determine that, at a minimum, an IRA proposing the deletion of a station could not create a "white" or "gray" area.

When undertaking the case-by-case analysis, we generally consider four factors: the amount of AM interference that would be eliminated in relation to the number of AM and FM services remaining available to the areas that would lose service; the areas and populations that would gain service as a result of the proposed change; whether the proposal would create any white or gray areas; and the availability of AM and FM service in the area that will experience a reduction in service due to the proposed contingent facilities changes. We will therefore examine Birach's IRA in light of these four factors.

- Reduction in Interference. The IRA indicates that deletion of station WMFN(AM)'s license would result in the elimination of no domestic interference as defined by Section 73.37 of the Rules. However, deletion of station WMFN(AM)'s license would result in the elimination of 4,269 kilometers of contour overlap with station CFCO(AM), Chatham, Ontario, Canada.
- Increased Service. The IRA indicates that the Station's daytime power increase would permit the Station to serve 6,779,112 more people than the sum of the existing 2 mV/m service contours for WMFN(AM) and a new permit at Terre Haute.

- Creation of “White” or “Gray” Areas. Deletion of station WMFN(AM)’s license would not create any white or gray areas.
- Local Service Floor. Birach indicates that even after surrender of the WMFN(AM) license, the community of Zeeland, Michigan, would continue to receive primary service from 12 full-time, commercial FM stations and eight AM stations. Our analysis corroborates these claims. Thus, there is a sufficient local service floor, notwithstanding removal of the WMFN(AM) signal, to warrant grant of the Application.

Based on our consideration of these factors, we conclude that the IRA would serve the public interest.

Finding of No Significant Environmental Impact. Because the proposed transmitter location is located in a flood plain, Birach submitted an Environmental Assessment (“EA”) as required by Section 1.1307 of the Rules with the Application. The staff released a *Public Notice* of the acceptance for filing of the EA on February 27, 2014. The Commission received no comments in response to the *Public Notice*.

Upon examination of the EA, we find that the information supplied satisfies the requirements specified in Section 1.1311 of the Rules. Accordingly, pursuant to Section 1.1308 of the Rules, we find that the proposed four-tower array at Peotone will have no significant impact on the quality of the human environment, and no further environmental processing is warranted. Moreover, we have examined the Application and find that it complies with all pertinent statutory and regulatory requirements.

Conclusion/Actions. Neither WPI, Ditto, nor Nation and White have established that grant of the Application is inconsistent with the Commission's allotment priorities or otherwise is not in the public interest. Accordingly, IT IS ORDERED, that the September 14, 2012, Informal Objection filed by Robert Michael Ditto IS DENIED.

IT IS FURTHER ORDERED, that the September 20, 2012, Petition to Deny filed by Word Power, Inc., IS DISMISSED, and when treated as an Informal Objection, IS DENIED.

IT IS FURTHER ORDERED, that the October 15 and 22, 2012, Informal Objections filed by Anna White and Fred J. Nation, respectively, ARE DENIED.

IT IS FURTHER ORDERED, that the Application, File No. BMP-20120813ABI, filed by Birach Broadcasting Corporation, IS GRANTED, conditioned as follows:

Before program tests are authorized or a license to cover this authorization has been filed, based upon the submitted IRA, the licensee of Station WMFN(AM), Zeeland, Michigan (Facility ID No. 55089), must submit a request to cancel that license due to prohibited daytime groundwave, co-channel overlap and nighttime RSS interference in violation of Sections 73.37 and 73.182 of the Rules.

We also urge the permittee to expeditiously file for a call sign for this granted permit upon receipt of this action.

/s/ Peter H. Doyle, Chief, Audio Division, Media Bureau

NOAA Space Weather Outlook

Issued April 28, 2014 – For the period April 28-May 24, 2014

Solar activity is expected to be at low levels with a slight chance for M-class (R1-R2 (Minor-Moderate)) flare activity for 28 April-04 May and 20-24 May. Solar activity is expected to be at low levels with a chance for M-class flare activity for 05-19 May due to the return of old Regions 2035 (S13, L=224) and 2036 (S15, L=246).

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at moderate to high levels for 28 April-05 May due to a solar wind enhancement associated with the negative polarity coronal hole high speed stream (CH HSS) from 24-25 April and a positive polarity CH HSS on 29-30 April. The greater than 2 MeV electron flux is expected to be at normal to moderate levels for the remainder of the period.

Geomagnetic field activity is expected to be quiet to unsettled for 29-30 April (positive CH HSS), 14-15 May (positive CH HSS-like feature), and 21-22 May (negative CH HSS). Predominately quiet geomagnetic field activity is expected for the remainder of the period, barring any unforeseeable transient features.

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