

DX News

Serving DX'ers since 1933

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From the Publisher: Welcome to the first issue of Volume 82 of *DX News*. Don't forget the new biweekly schedule, and please check the publication schedule at the right to stay on top of submission deadlines. We are hoping to have the same amount of overall content with fewer, but longer, issues ... so please keep supporting your favorite columns!

In Memoriam: We are sad to pass along the news that longtime NRC member G. Harley DeLeurere passed away on September 13, age 73. Harley was a member of the NRC for more than fifty years, and many of us met him at the Bridgeport convention in 2012. He spent more than forty years as a pastor at the Hendriks Free Methodist Church in Hendriks, WV, and was very devoted to trains as well as DXing. He is survived by his wife Sharon, four children, five grandchildren, and many other family members. Our condolences to Harley's family.

2015 NRC/WTFDA Convention: Bids are now open for the 2015 NRC/WTFDA convention. If you are interested in hosting, you can get information about what you'll need to do and how you can submit a bid from Ernest J. Wesolowski, 13312 Westwood Lane, Omaha, NE 68144-3543 or neerniew@yahoo.com.

DX Tests: Don't forget to support Brandon Jordan, our new DX Test coordinator. He can be reached at P.O. Box 338, Rossville TN 38066, (901) 592-9847, and bdjorda@gmail.com. Brandon has set up a web site at <http://dxtests.net/> for the

latest test info. And follow him on Twitter @AMDXTests for the latest test info.

Publication Price Adjustment: A recent increase in the Priority Mail rate has led to a \$0.15 increase in the cost of the Priority Mail option for receiving the *AM Radio Log* and the *NRC Antenna Pattern Book*. The change is reflected in this issue.

E-DXN: Don't forget all the extras available to you on e-DXN: interim editions of AM Switch and other columns between *DX News* issues, James Niven's sortable Excel files with several years of IDXD and DDXD; back issues of the *DX Audio Service* and *DX News*, and lots more!

VOL. 82 DX NEWS SCHEDULE

No	In By	Date	11	Feb. 13	Feb. 23
2	Oct. 10	Oct. 20	12	Feb. 27	Mar. 9
3	Oct. 24	Nov. 3	13	Mar. 13	Mar. 23
4	Nov. 7	Nov. 17	14	Mar. 27	Apr. 6
5	Nov. 21	Dec. 1	15	Apr. 17	Apr. 27
6	Dec. 5	Dec. 15	16	May 15	May 25
7	Dec. 19	Dec. 29	17	June 12	June 22
8	Jan. 2	Jan. 12	18	July 17	July 27
9	Jan. 16	Jan. 26	19	Aug. 21	Aug. 31
10	Jan. 30	Feb. 9	20	Sept. 11	Sept. 21

Unreported Domestic Stations Update: This week we have one station reported to DDXD for the first time since at least Volume 67: WRSO-810. So we start Volume 82 with 521 stations still on the list of unreported stations. We'll compare the list to the new *Log* and have a new list for publication soon.

35th Edition of the National Radio Club's AM Rado Log Is Available and Shipping!

The NRC's *AM Radio Log* is the leading source for information on AM radio stations in the United States and Canada. As always, this edition is in an 8-1/2" x 11", 3-hole punched, U.S. loose leaf format. This publication fits nicely into a one-inch, three-ring binder. Additional references include call letters of FM simulcasts with the AM Stations listing, listings of regional groups of stations in the groups section (a separate section of the *Log*), a cross reference of those stations that are licensed to use IBOC (In Band On Channel) digital audio, and a comprehensive list of FM translators that are now simulcasting with AM broadcasters.

Order by snail mail by check or money order in US funds to National Radio Club, P.O. Box 473251, Aurora, CO 80047-3251 or order using your Pay Pal account at www.nrcdxas.org.

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Canada (Member/Non-Member) – US\$36.00
Outside US/Canada (Member/Non) – US\$40.00

AM Switch



Info to David Yocis, 1245 13th St. N.W., #105, Washington DC 2005, NRCDXNews@gmail.com
 Canadian information from CRTC complied by Shawn Axelrod and Dan Sys
 NRC AM Log updates from Wayne Heinen, amradiolog@nrndxas.org

Don't forget that each weekend that *DX News* is not published, an interim version of "AM Switch" is posted to the AM Switch folder at www.e-dxn.com.

We begin, as usual, with changes announced by the FCC:

CALL CHANGES

1490 WMOG GA Brunswick – Call change to WBGA (9/8).



NEW STATION WATCH

Auction 84 winning application:

1500 APP CA Culver City – The original application (at the time it won the bid) was for U4 25000/1000; after winning, filed a full application for U4 1000/2000 from a different site; now amends that to U4 120/180 from yet another site, 34-01-10/118-20-44 (now used by KWKW-1330 and KFOX-1650).

CP cancelled, deleted:

1020 CP ID Star – CP for new station (U2 10000/460) cancelled and deleted.

The saga of the WWAM-640 kHz CP at Peotone IL continues. This CP moved from Terre Haute IN in May, with the plan to take co-owned WMFN-640 Zeeland MI off the air. Then, shortly before the new station CP expired July 29, the owners applied to simply move WMFN-640 to Peotone IL, using the U4 4500/1200 CP facilities. Normally a move of this distance, or a reapplication for another new station CP, would not be possible outside a new station auction application window. Now it turns out that the planned tower site is not available, so the licensee has modified the WMFN application to U4 4400/1600 at 41-18-04/87-50-07.

Three pending new station CPs have October 2014 expiration dates: 1550 Midland TX, 1570 Fritch TX, and 1590 Paradise NV (with a pending application to move to Enterprise NV). Since none have applied for call letters with a month or less to go, odds are they'll all expire unbuilt.

STATIONS GOING DARK

1240 KTHE WY Thermopolis – License voluntarily surrendered by licensee 9/8.

1560 KKUZ OK Sallisaw – License expired June 1, 2005, only now deleted from FCC database.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs on the air:

1330 WEBY FL Milton – CP for new pattern is on the air.

1590 WCGO IL Evanston – CP for U2 10000/2500 is on the air.

CPs nearing final licensing:

970 KCFO OK Tulsa – Applies for program test authority to use CP for new pattern.

1390 WTNL NC Reidsville – Applies for license to cover CP with U1 275/35.

1460 KHOJ MO St. Charles – Granted program test authority for CP with U4 12000/210.

CPs granted:

1240 WLLV KY Louisville – CP granted for U1 530/530 from a new site.

1460 WRAD VA Radford – CP granted for U1 5000/37.

1700 KKLK TX Richardson – CP granted to consolidate operations at existing night site, remaining U1 10000/1000.

Amendment to pending application:

1360 WKAT MI North Miami – Has application for U1 9000/400 from a new site (tower of WOCN-1450); now amends application to U1 9300/400.

New applications filed:

560 WQAM FL Miami – Applies for U1 4100/1000 from a new site (WOCN-1450 tower at 25-50-22/80-11-23, same as WKAT-1360's application above).

1030 KFAY AR Farmington – Applies for U4 6000/1000.

1100 WISS WI Berlin – Applies for D4 50000 (ch 20000).

1490 WDEP PR Ponce – Applies for U1 5000/1000 from a new site (17-59-22/66-37-11).

CP expired, deleted:

1410 KCAL CA Redlands – CP for U4 3000/2200, CoL to Grand Terrace CA, expired, deleted.



SPECIAL TEMPORARY AUTHORITY (STA)

- 950 KJTV TX **Lubbock** – Granted STA with U4 3000/500, transmitter needs a part.
- 960 WHYL PA **Carlisle** – Granted STA with U1 20/20 from a temporary longwire; has lost licensed tower site and plans to apply to move to the WCAT-FM site, but has been silent almost a year and needs to broadcast to preserve the license.
- 960 WATS PA **Sayre** – Granted STA with U1 4000/50, transmitter repairs.
- 1000 WCCD OH **Parma** – Granted STA with D1 125, tower vandalized on 9/21-22 overnight.
- 1160 WYLL IL **Chicago** – Granted STA with U3 50000/12500 using day site/pattern 24 hours a day; night transmitter is malfunctioning.
- 1290 KAZA CA **Gilroy** – Granted STA with U1 1250/20 from KZSJ-1120 site; has lost licensed tower site.
- 1360 WHNR FL **Cypress Gardens** – Granted STA with U1 1250/625, tower repair.
- 1420 KSTN CA **Stockton** – Granted STA with U1 1250/250, phasing system to be rebuilt.
- 1460 WPON MI **Walled Lake** – Granted STA with D1 25 from a temporary wire antenna.
- 1470 KWSL IA **Sioux City** – Granted STA with U1 1450/1450, lost 3 of 4 towers to tornado.
- 1480 KLMS NE **Lincoln** – Granted STA with parameters at minor variance.
- 1500 WASN OH **Youngstown** – Granted STA with D1 125 (ch 63), using D1 105.
- 1520 WXYB FL **Indian Rocks Beach** – Granted STA with a temporary tower.
- 1560 WRSJ PR **Bayamon** – Granted STA with U1 4000/740 from 18-20-59/66-09-26 (former site of WVOZ-1520); has lost permanent tower site.
- 1590 WARV RI **Warwick** – Granted STA with parameters at variance.

Applications to extend existing STAs were received from WASG-540 Daphne AL (U1 1000/19 from a temporary telescoping tower); WETC-540 Wendell-Zebulon NC (parameters at variance); WSNR-620 Jersey City NJ (day pattern at variance); KFXD-630 Boise ID (parameters at minor variance); WAXY-790 South Miami FL (U4 25000/25000 to overcome Cuban QRM); WSJC-810 Magee MS (D1 1000); WOFX-980 Troy NY (night parameters at variance); WRFM-990 Muncie IN (U1 62/1 from alternate site); KFAY-1030 Farmington AR (U4 6000/1000); WLVI-1040 Boynton Beach FL (parameters at variance); WCSZ-1070 Sans Souci SC (U1 2000/375); WIJD-1270 Prichard AL (U1 2500/103 from the same temporary tower as WASG-540); WMTE-1340 Manistee MI (U1 500/500 from alternate site); WFNS-1350 Blackshear GA (U1 2400/117); KRHW-1520 Sikeston MO (parameters at variance; repairs of longstanding antenna problems nearing completion); WOBX-1530 Wanchese NC (D1 250); and WMBH-1560 Joplin MO (U1 500/500 using emergency longwire antenna).

Previously reported applications to extend existing STAs were granted to KPRP-650 Honolulu HI, WXQW-660 Fairhope AL, KUAI-720 Kekaha HI, WHYF-720 Shiremanstown PA, WWTK-730 Lake Placid FL, KKAT-860 Salt Lake City UT, WFXJ-930 Jacksonville FL, WKY-930 Oklahoma City OK, KTMS-990 Santa Barbara CA, WQHC-1170 Hanceville AL, WPSP-1190 Royal Palm Beach FL, WSHU-1260 Westport CT, WIBR-1300 Baton Rouge LA, WTTL-1310 Madisonville KY, WADB-1310 Asbury Park NJ, WBTK-1380 Rochester NY, WKJV-1380 Asheville NC, KPUR-1440 Amarillo TX, WLQR-1470 Toledo OH, KPHX-1480 Phoenix AZ, WMNT-1500 Manati PR, WRHC-1550 Coral Gables FL, WVZN-1580 Columbia PA, WKTP-1590 Jonesborough TN, and KNRO-1670 Redding CA.

A previously reported application to extend an existing STA was denied to KFLT-830 Tucson AZ.

SILENT STATIONS

Stations informing the FCC that they are silent:

- 590 WARM PA **Scranton** – Silent 9/15, transmitter failure.
- 1250 KDEI TX **Port Arthur** – Silent 9/19, transmitter module burned out.
- 1350 WCBA NY **Corning** – Silent 9/15 for financial reasons.
- 1460 WPON MI **Walled Lake** – Silent (again) 9/15, hopes to have CP built within 6 months.
- 1540 WJZI IN **Decatur** – Silent 9/14 after a lightning strike.
- 1600 WPDC PA **Elizabethtown** – Silent 9/8 for financial reasons.

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

- 710 WUFF GA **Eastman** – Silent since 9/23/2013, back on the air 9/23.
- 960 WHYL PA **Carlisle** – Silent since 4/18, back on the air 9/17 with STA.
- 1080 WALD SC **Johnsonville** – Silent since 8/30/2013, back on the air 8/11.
- 1200 WEMM WV **Huntington** – Silent since 7/12, on the air 8/29 with STA.
- 1360 WHNR FL **Cypress Gardens** – Silent 9/17/2013, back on the air 9/12 with STA.
- 1410 WYIS GA **McRae** – Silent since 9/24/2013, back on the air 9/24.
- 1460 WPON MI **Walled Lake** – Silent since 9/23/2013, on the air 9/10 with STA.
- 1490 WTQS SC **Cameron** – Silent since 9/5/2013, back on the air 8/26.
- 1500 WASN OH **Youngstown** – Silent since 1/21, back on the air 9/17 with D1 105 STA.



COORDINATE CORRECTION

- 1160 WTEL NC Red Springs – Coordinate correction to 34-50-22/79-10-48.
 1490 WGEZ WI Beloit – Applies for CP to correct coordinates to 42-29-44/89-01-08.

Fines: WCMC-1230 Wildwood NJ \$10,000 for failure to maintain enclosure around tower; WMID-1340 Atlantic City NJ, \$20,000 for failure to paint and light the tower (same owner for both).

In addition, the licensee of KELG-1440 Manor TX, KTXZ-1560 West Lake Hills TX, and KOKE-1600 Pflugerville TX, agreed to pay \$2,000 to settle claims with respect to their failure to file timely license renewal applications in April 2013 and continuing to broadcast after the licenses expired on August 1, 2013; these license renewals have now been granted.

It was a quiet summer at the CRTC, but our friends to the North are back:



- 570 CFCB NL Corner Brook – Granted CP for U? 10000/1000.
 600 CBLV ON Bancroft – LPRT granted CP to move to 99.3 MHz FM.
 700 CP AB Calgary – Granted CP for new station with U4(?) 50000/20000 and a GOS format; this is a regrant of a permit that expired a year or so ago.
 740 CBUI BC New Denver – LPRT granted CP to move to 102.5 MHz FM.
 960 CKNT ON Mississauga – Granted amendment to new station CP (not yet on air) to U? 700/104 from a new site.
 1150 CBAC NT Tuktoyaktut – LPRT granted CP to move to 99.9 MHz FM.
 1250 CJYE ON Oakville – Applies for U3 10000/10000.
 1320 CJMR ON Mississauga – Applies for U3 10000/10000.
 1690 CHTO ON Toronto – Granted CP for U1 6000/1000 (ch 3000).

More updates to the 35th Edition of the NRC *AM Radio Log*:

- 540 WWCS PA Canonsburg – Slogan to “Yahoo Sports Radio,” network to YSR.
 WYNN SC Florence – Slogan and Group to // Glory 98.5 & 540 AM.
 560 KSFO CA San Francisco – Add nets Ru (Limbaugh) and P (Hannity & Beck).
 600 WVOG LA New Orleans – Network to SRN.
 WREC TN Memphis – Drops IBOC (KR).
 650 CISL BC Richmond – Slogan to “Smooth & Easy.”
 700 WFAT MA Orange-Athol – Slogan to “The Big 700.” (BC)
 740 WNYH NY Huntington – Slogan to “Radio Cantico Nuevo” // WJDM-1530; delete group.
 750 KSEO OK Durant – Format to OLD (ex-REL), slogan “Good Time Oldies.”
 790 KFPT CA Clovis – Networks to ESPN/MRN.
 890 KMJE# CA Olivehurst – New station is SS:AC, slogan “La Buena 92.1” // KVMX-92.1.
 900 WSWN FL Belle Glade – Format to NOS (ex-UC:GOS), slogan “America’s Best Music,” network to WW1, Group to // Seaview Radio. (TK)
 910 WAEI ME Bangor – Format to Rock/OLD (ex-Silent); add Slogan & Group // Big 104 FM; delete all nets. (BC) (FW)
 WEPG TN South Pittsburg – Slogan and Group to // Hot News Talk Radio. (SF)
 960 KNEW CA Oakland – Format to BIZ (ex-TLK); network to BNN.
 970 WRHA TN Spring City – Format to Rock/OLD (ex-SPT).
 WSTX VI Christiansted, St. Croix – Format to NWS/TLK (ex-ETH).
 980 KFWB CA Los Angeles – Slogan to “The Beast 980.”
 990 KAML TX Kenedy-Karnes City – Format to SS:REL (ex-C&W); no networks.
 1010 WTZA GA Atlanta – Slogan to “Old School 99.3,” adds // W257DF-99.3.
 1040 CKST BC Vancouver – Slogan to “TSN 1040.”
 1070 WDIA TN Memphis – Drops IBOC. (KR)
 1080 WWNL PA Pittsburgh – Slogan to “Quality Christian Radio.”
 1100 WHLI NY Hempstead – Slogan to “Playing the Hits of a Lifetime,” adds // WALK-1370.
 1110 WTOF AL Bay Minette – Slogan “Mobile’s Christian Voice,” add // WMOB-1360, no nets.
 KEJL NM Humble City – Format to Rock/OLD (ex-TLK/SPT); slogan “Eagle 1110,” nets to A/WW1.
 KRPA WA Oak Harbor – Slogan to “Radio Punjab.”
 1120 WKCE TN Maryville – Format to Comedy (ex-SPT); slogan “Funny 1120,” nets to TDC.
 1130 WOIZ PR Guayanilla – Slogan to “Radio Antillas.”
 1170 KBOB IA Davenport – Format to C&W (ex-OLD); slogan “Classic Country,” drop // KJOC; network to CM.
 1180 WVLZ TN Knoxville – Format to OLD (ex-SPT); slogan “Oldies 1180,” drop nets. (TN)



- 1190 WSDQ TN **Dunlap** – Slogan & Group to // Hot News Talk Radio. (SF)
- 1200 WEMM WV **Huntington** – Slogan to “Southern Gospel 1200.”
CJRJ BC **Vancouver** – Format to ETH/South Asian (ex-ETH/Punjab), as “Spice Radio.”
- 1230 WNAW MA **North Adams** – Networks to A.
KSST TX **Sulphur Springs** – Format to OLD (ex-NOS), slogan to “Good Time Oldies,” networks to Tx/Tf/LCL/WW1.
- 1240 WATT MI **Cadillac** – Slogan to “NewsTalk.”
WSDT TN **Soddy-Daisy** – Slogan & Group to // Hot News Talk Radio. (SF)
CFNI BC **Port Hardy** – Format to Rock/OLD (ex-AC); slogan “Coast AM,” add // CFPA-100.3.
- 1250 WRKQ TN **Madisonville** – Format to Rock/OLD (ex-OLD).
WYKM WV **Rupert** – Slogan to “Today’s Best Country.”
- 1260 KWEI ID **Weiser** – Format to SS:AC (ex-C&W); slogan “Juan 1260,” delete all nets.
- 1270 KBAM WA **Longview** – Slogan to “Now Country.”
- 1280 WODT LA **New Orleans** – Format to SPT (ex-SS:SPT), slogan “Fox Sports 1280,” nets FSR.
WDNT TN **Dayton** – Format to Rock/OLD (ex-OLD).
KMFR TX **Pearsall** – Format to C&W (ex-SS).
- 1290 WWTX DE **Wilmington** – Slogan to “Fox Sports Radio.”
WNIL MI **Niles** – Format to NWS/TLK (ex-SPT), slogan “95.3 MNC Michigan’s News Channel,” adds // WTRC-FM-95.3, drops // WRDI-95.7; nets to Ru/P/CMP/B.
- 1330 WCVC FL **Tallahassee** – Slogan to “Divine Word Radio.”
- 1350 WRWR GA **Warner Robins** – Slogan to “Kiss AM.”
- 1360 WMOB AL **Mobile** – Adds // WTOF-1110.
WHNR FL **Cypress Gardens** – Format to C&W (ex-Silent), slogan “Kickin Country 1170.”
- 1370 WALK NY **East Patchogue** – Slogan “Playing the Hits of a Lifetime,” adds // WHLI-1100; network to Nn.
WJIP NY **Ellenville** – Format to TLK (ex-Comedy); slogan “NewsRadio 1450 and 1370,” adds // WKIP-1450; networks to Fox/CM/P/Ru/TRN/B.
- 1380 KVSM CA **Santa Maria** – New station is SS:MEX, slogan “Fresca 1380.”
- 1390 WFBL NY **Syracuse** – Slogan “CNY Talk Radio,” adds // WMCR-1600, deletes Group // CNY Talk Radio.
WCAT VT **Burlington** – Format to Comedy (ex-Rock/OLD), adds // WRSA-1420 and deletes Group // Cruisin’ 93.7; network to TDC.
- 1400 WSJM MI **Saint Joseph** – Slogan to “Sports Radio,” network to FSR.
KSIM MO **Sikeston** – Network to A (ex-C).
KLIN NE **Lincoln** – Drops // K233AN-94.5.
- 1410 CFTE BC **Vancouver** – Slogan to “TSN 1410.”
- 1420 WRSA VT **Saint Albans** – Format to Comedy (ex-Rock/OLD), adds // WCAT-1390 and deletes Group // Cruisin’ 93.7; network to TDC.
KUJ WA **Walla Walla** – Format to SS:MEX (ex-TLK/OLD); slogan “Radio Impacto,” drop all networks.
- 1430 WNSW NJ **Newark** – Format to REL (ex-REL/ETH/Brokered), slogan “Relevant Radio,” networks to EWTN.
- 1440 WGMI GA **Bremen** – Slogan to “The Train.”
KPTO ID **Pocatello** – Format to TLK (ex-Silent).
- 1450 WKIP NY **Poughkeepsie** – Slogan to “NewsRadio 1450 and 1370,” adds // WJIP-1370.
WTOD SC **Hartsville** – Format to UC:GOS (ex-SPT); add slogan and Group // Glory 98.3 & 540 AM, drops // WWFN-FM-100.1; delete networks.
KEYY UT **Provo** – Adds Group // Key Radio.
WHNK WV **Parkersburg** – Format to REL (ex-Silent, C&W); drop slogan; network EWTN.
- 1470 WBFC KY **Stanton** – Slogan to “The Cross 1470.”
- 1480 WERM AL **Mobile** – Format to UC:GOS (ex-SPT); drop slogan and networks.
- 1490 WGCH CT **Greenwich** – Networks to A/Fox/BTR.
WBGA GA **Brunswick** – Format to UC:AC (ex-OLD), slogan to “B 96.3 Jamz,” adds // W242CJ-96.3; networks to CM.
WRLA GA **West Point** – Format to Rock/OLD (ex-OLD); nets to A/AI/WW1.
WXBD MS **Biloxi** – Slogan to “The Champ,” adds // WTNI-1640; delete Group // 96.7 The Champ.
WLPA PA **Lancaster** – Slogan to “ESPN 92.7,” adds // WLPA-FM-92.7.
KNEL TX **Brady** – Slogan to “Good Time Oldies,” add network WW1.
WFAD VT **Middlebury** – Format to Comedy (ex-Rock/OLD); delete Group // Cruisin’ 93.7; network to TDC.

- 1520 WVOZ PR San Juan – Format to SS:TLK (ex-SS:Tropical).
 1530 WLCO MI Lapeer – Network to Mi. (FV)
 WJDM NJ Elizabeth – Slogan to “Radio Cantico Nuevo,” adds // WNYH-740 and delete Group // Radio Cantico Nuevo.
 KXTD OK Wagoner – Slogan to “La Qué Buena.”
 1570 WFTU NY Riverhead – Slogan to “Voice of Five Towns College.”
 1580 WLIM NY Patchogue – Format to ETH (ex-SS:REL); delete slogan.
 WEKO PR Morovis – Drops // WVOZ-1520.
 1590 KVTR CA Victorville – Format to SS:MEX (ex-UC:CHR); slogan “Victor 1590.”
 1600 KNCY NE Nebraska City – Format to TLK:Rock/OLD (ex-C&W).
 WMCR NY Oneida – Slogan to “CNY Talk Radio,” adds // WFBL-1390; delete Group // CNY Talk Radio.
 WTAX TN Algood – Drops IBOC. (KR)
 1640 WTNI MS Biloxi – Slogan to “The Champ,” adds // WXBD-1490, drops Group // 96.7 The Champ.

New Groups

- // Big 104 FM – WAEL-910, WBKA-107.7, WBAK-104.7, WABK-104.3
 // Glory 98.5 & 540 AM – WBZF-98.5, WYNN-540, WTOD-1450
 // Hot News Talk Radio – WSDT-1240, WSDQ-1190, WEPG-910
 // Key Radio – KEYY-1450, KEYP-91.9, KEYR-91.7, KEYV-91.7

Addition to a Group

- // Seaview Radio – Adds WSWN-900. (TK)

Deleted Groups

- // 96.7 The Champ
 // CNY Talk Radio
 // Cruisin’ 93.7
 // Radio Cantico Nuevo



From Inside Radio:

Clear Channel changes name to iHeartMedia. Days before staging its biggest event of the year, Clear Channel announced it has changed its company name to iHeartMedia. The company says the new identity reflects its successful transformation into a multi-platform media company. The new name will serve as umbrella branding for its 859 radio stations, iHeartMedia Digital streaming service, radio networks live music events and related companies, including Katz Media Group and Clear Channel Outdoor.

FCC deals AMs a setback on translator moves. Waivers won't bring relief for AMs after FCC rejects Tell City plan. It may have been the most closely watched waiver request in a generation because of its potential impact on AM radio. But despite popular support among broadcasters, the FCC has rejected the so-called Tell City waiver request that would potentially have given AM operators more flexibility in buying FM translators and moving them into their markets. Pai calls move 'temporary setback' for AM revitalization. AM radio's champion inside the FCC, commissioner Ajit Pai, says he is "disappointed" with the Media Bureau decision denying the Tell City request, which he says would have given some "immediate relief" to AM broadcasters. He calls the outcome a "temporary setback" for radio station owners.

From Scott Fybush's NERW: No Signoffs for Disney AMs

Today (*September 26* – WH) was supposed to be the day those stations went dark and their local offices closed – but listeners who tuned into WQEW (1560) in New York, WMKI (1260) in Boston, WWJZ (640 Mt. Holly NJ) in Philadelphia or WDDZ (1250) in Pittsburgh found them still on the air this morning – and NERW can exclusively report that those signals will remain on the air indefinitely until Disney is able to sell them. (*KDDZ-1690 Arvada – Denver is also still on the air September 26 WH*)



Thanks to Shawn Axelrod, Bill Hale, Bruce Conti (BC), Steve Francis (SF), Terry Krueger (TK), Tim Noonan (TN), Kevin Redding (KR), Fred Vobbe (FV), and Frank Welch (FW).

Domestic DX Digest - WEST

Editor: **Jim Tedford**, 20310 Bothell-Everett Hwy. B4, Bothell WA 98012-8133,
Radio_Enthusiast@hotmail.com

Loggings of U.S./Canadian stations heard by DXers in the Central, Mountain, and Pacific time zones

REPORTERS

- BD-WI** **Bill Dvorak, Madison, WI.** Drake R8B, 140-foot Double Kaz antenna bearing 280 degrees.
- 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*.
- JEL-MO** **J.E. Lewis, Kansas City, MO.** Honda Odyssey car radio.
- JJR-WI** **John J. Rieger, South Milwaukee, WI.** Icom IC-R75 MFJ-959B tuner, preamp Kiwa loop.
- JW-CO** **John Wilkins, Wheat Ridge, CO.** Drake R-8, 4-foot box loop.
- NK-WI** **Neil Kazaross (KAZ) Grafton WI.** Perseus SDR and Phased BOGs 655 ft. at 67 degrees vs 490 ft. at 63 degrees, and a single BOG 480 ft. and 243 degrees.
- RD-CO** **Rick Dau,** on a Black Hills Stage Lines bus travelling through Pierce, CO. Sangean ATS-909X barefoot.
- RD-MT** **Rick Dau,** at the Lexington Inn & Suites, Billings, MT. Kenwood R-5000, Quantum QX Pro loop.
- RD-ND** **Rick Dau,** at a Super 8 in Fargo, ND. Kenwood R-5000, Quantum QX Pro loop.
- RD-NE** **Rick Dau, South Omaha, NE.** Kenwood R-5000, Quantum QX Pro loop.
- RD-SD** **Rick Dau,** on the road in Sioux Falls, SD. Sangean ATS-909X barefoot.
- 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 LOGS

- 540 CBGA-1 NB** **Grand Anse** – 8/17 2300 – Very good with FF talk and ID into CBC FF news. Word perfect clarity with local WAUK in a 40 dB phase null. Traces of ethnic stuff from WLIE also noted. New! **(NK-IL)**
- 580 CKWW ON** **Windsor** – 9/16 2125 – Alone with "AM 580" and Kinks Oldie. **(JJR-WI)**
- 600 KTBB TX** **Tyler** – 9/5 0131 – "News-talk KTBB and KTBB.com" ID, Air Force Reserve PSA, San Antonio, presented by the Texas Association of Broadcasters; another ID mentions 95.7 FM (FCC FM Query shows only a 250-watt translator CP, K236BG). This station is not that far away, but dominant night signal here usually is WMT in IA, which I can still hear now by nulling KTBB. Both of them aim this way at night, KTBB northwest with 2.5 kW, and WMT southwest with 5 kW, often with same network talk programming but unsynchronized, annoying. **(GH-OK)**
- 640 KFI CA** **Los Angeles** – 9/19 2301 – Very good and all alone with "KFI" heard at the end of L.A.-area traffic check that included mentions of the 405. **(RD-MT)**
- 680 CJOB MB** **Winnipeg** – 9/22 1243 – Very good with "CJOB" ID heard during discussion about Winnipeg Bombers CFL football. **(RD-ND)**
- 710 KNUS CO** **Denver** – 8/18 0700 – Fair-good with a few call IDs. **(NK-WI)**
- 710 WAQI FL** **Miami** – 9/16 2134 – Poor;-SS O'Reilly and Save The Children into "R. Mambi de Grande." Woman and chatter with others nulled. **(JJR-WI)**
- 730 KKDA TX** **Grand Prairie** – 8/18 0659:30 – Very good! Loud with ID in Korean. **(NK-WI)**
- 740 KVOR CO** **Colorado Springs** – 8/18 0700-0701 – With WRPQ with several IDs. **(NK-WI)**
- 750 KXTG OR** **Portland** – 9/19 0047 – Good with mention of "Columbia Valley" and a 503 area code phone number in a local ad. Must've been on day pattern, as most of its night signal goes out into the Pacific. **(RD-MT)**
- 750 KAMA TX** **El Paso** – 9/7 2147 – Heard a "Kama Siete Siquenta Ah Emmay" mention in a local ad during a Spanish broadcast of the Sunday Night NFL game between Denver and Indianapolis. Took a dive under CKJH shortly thereafter. TX #64 at this QTH. **(RD-NE)**
- 780 WBBM IL** **Chicago** – 9/19 2310 – Fair with "WBBM Newstime" heard following Chicagoland traffic check and weather. **(RD-MT)**

- 780 WJAG NE **Norfolk** – 9/22 1944 – Fair with “Newstalk 780 WJAG” ID during Kansas City Royals baseball. **(RD-SD)**
- 800 KQAD MN **Luverne** – 9/22 2100 – Very good with ad for Smokey Bear’s Pizza on Highway 75 in Luverne, then back to Luverne HS volleyball match vs. Ellsworth. **(RD-SD)**
- 810 KLVZ CO **Brighton** – 8/18 0700 – Female with a couple of IDs. This seems to do its best job of getting past WHB at sunrise. **(NK-WI)**
- 830 KLAA CA **Orange** – 9/11 0828 – Program note for ‘49ers football, call letter ID, then back to sports talk, local, I believe. Fair at best. **(JW-CO)**
- 840 KARS NM **Belen** – 9/11 0802 – Rock songs (70’s and 80’s I think); slogans after each song, e.g. “Attention attention, you’ve found Area 102-9” and another one mentioning New Mexico. Fair/poor and a new one here, NM #67. Last heard on 860 kHz. **(JW-CO)**
- 870 KJMP CO **Pierce** – 9/18 1216-1239 – Excellent with music from the Drifters, Connie Francis, and Buddy Holly, among others. “She Loves You” by the Beatles was the most RECENT song I heard while tuning in. Jingle IDs sounded like the old-style PAMS jingles. Not DX, of course, but I had to include this because it’s a real step back in time, and a real treat for those who wax nostalgic. **(RD-CO)**
- 880 KHAC NM **Tse Bonito** – 8/18 0700 – Follow up with KLRG’s gospel with western accented man with ID. All on USB, no trace on LSB. **(NK-WI)**
- 890 KJME CO **Fountain** – 8/18 0659 – Poor-fair with WLS with ID into music. Best in LSB. **(NK-WI)**
- 890 KQLX ND **Lisbon** – 9/22 1019 – Very good with conclusion of market updates from the American Ag Network, then “Ag News 890” ID and ad for local John Deere dealer Green Iron Equipment. **(RD-ND)**
- 890 KDXU UT **St. George** – 9/18 0819 – With KTLR OKC nulled, “News-talk 890, KDXU” IDs, MDT time checks, local ads, making slow SAH with KTLR. KDXU 10 kW night pattern is cardioid with null toward Chicago and not much toward us either a bit further south. Day pattern is 10 kW ND, so maybe on it already; otherwise it’s a rarity here. KDXU official September sunrise is not until 0915. **(GH-OK)**
- 900 KSGL KS **Wichita** – 9/4 1509 – On car radio bandscan I notice that KSGL is missing. 250 watter is normally audible on daytime groundwave, and sometimes even its IBOC upper sideband circa 913 if in a quiet location. Hybrid outlet with religion and nostalgia, as explained on their compact website <http://www.ksgl.com> but nothing found about being off the air. I e-mailed an inquiry. I soon received a reply from KSGL that they are on the air, but maybe something is wrong with the power level, or wind is blowing the wrong way (hi). I check again at 1935 Another check 9/5 at 1325: I do detect only a JBA carrier on 900. On 9/10 circa 1515, check on car radio, KSGL is still inaudible instead of customary 250-watt daytime groundwave. On 9/12 circa 1400 , still no signal, but on next check an hour later at 1500, it’s audible: “More of the music you remember, KSGL, AM-900, Wichita”, into USA Radio “News,” so apparently revived during this hour after a week off, or powered way down. Severe splash from much stronger KTLR 890 OKC while it’s playing music 9/13 1801. Unknown network news in English, a signal I don’t quite get daytime in Enid, no doubt 250-W ND KRSL in Russell KS. **(GH-OK)** On car radio at Great Salt Plains NWR OK for 9/13 log.
- 950 CKNB NB **Campbellton** – 8/17 2225 – Noted rising atop with usual “Your Community, Your Radio Station, CKNB” into AC type mx. Very common here. **(NK-WI)**
- 970 KBUL MT **Billings** – 9/20 0826 – Out of Oldies music with “Come on, take your NewsTalk hat off for a couple of days for 95.5 Billings’ Greatest Hits weekend,” followed by weather forecast. Also heard on Sept 6 (Saturday) with Oldies music, so apparently is Oldies on weekends and still NewsTalk the rest of the week. **(JW-CO)**
- 970 KIXL TX **Del Valle** – 8/18 0700 – Poor in mess but with clear Relevant Radio 970 slogan. New and a big surprise! **(NK-WI)**
- 1010 WMIN MN **Sauk Rapids** – 9/16 2301 – Poor to fair, QRM from CFRB, with NOS music, LID “1010 WMIN Sauk Rapids-Saint Cloud. You’re uptown, Minnesota” into Fox news at TOH. NEW! **(BD-WI)**
- 1010 CFRB ON **Toronto** – 9/7 0159 – “Newstalk 10-10” ID in passing, mentions 11 o’clock --- so is it something from UT -7 zone? Must have been referring to when previous

program started, as soon obvious it's CFRB Toronto, from ENE, into local news, 0204 outro as Bill somebody from Canadian Press, then woman with Toronto weather, hi today to be 24. Not often heard here, but now without much competition. No sign of Amarillo or Festus. NRC Pattern Book shows 50 kW CFRB has a night notch toward us; could it be on day pattern instead which does not, minor lobe this way, major away? I get CHHA, CJBC and CFZM more easily from the GTA. Nice to hear CFRB as they still haven't got around to fixing CFRX 6070, and may never. **(GH-OK)**



- 1040 CKST BC **Vancouver** – 9/19 2330 – Good with halftime of British Columbia Lions CFL football. WHO noted underneath. **(RD-MT)**
- 1090 WCRA IL **Effingham** – 9/12 2203 – Fair to complete fade, QRM from probable KAAV, with high school football Cumberland HS Pirates vs. Cerro Gordo Broncos, Cerro Gordo leading 32-12 with 11 minutes left in the 4th quarter. Scores of other area teams like Effingham, Arcola, and Flora also given. No calls ever heard but station obvious. This is a 1kW daytimer. The station's website mentioned that this game would be broadcast on WCRA's translators on 99.5 and 100.5 but gave no mention of 1090. NEW! **(BD-WI)** 9/16 2258 – Poor; Jim Bohannon, "This is WCRA Effingham – First for news," CBS news. On late. **(JJR-WI)**
- 1090 KSOU IA **Sioux Center** – 9/22 1936 – Good with novelty oldie "Junk Food Junkie" by Larry Groce, then a "KSOU" ID and weather forecast sponsored by Sheldon Drapery & Interiors in Sheldon. **(RD-SD)**
- 1120 KTXW TX **Manor** 9/9 2054 – KMOX mixed with another station in English, preacher?, making slow SAH of 26/minute = 0.43+ Hz; at 2104 recheck, only KMOX. Don't see how it could be anything but KTXW Manor TX, yet still haven't got an ID. Its September sunset is supposed to be 2030 for pattern switch and power reduction from 5600 to 155 watts; only in April is 2100 the proper time. No sign of KEOR Tulsa Spanish now; only other nearby 1120 is KLIM, listed in last year's NRC AM Log as silent since 2002! 9/11 2053 – Woman in English is easily heard with KMOX nulled, so another try to definitive this as KTXW. Guest identified as Dr. Lewis/Louis/Luis Alexander, with Legacy Ranch Vision, a charity for children separated in San Antonio; close enough? 2159 promo but fading and no ID heard before lost to KMOX at 2100 and/or switched to night facility. Made SAH of 28/minute = 0.47- Hz with KMOX. **(GH-OK)**
- 1170 KFAQ OK **Tulsa** – 9/7 0752 – KFAQ Tulsa is dozing on Sunday morning, dead air. Nulling carrier at 0753, I can hear an XE with a federal PSA, but by 0758 KFAQ is re-modulating. XERT in Reynosa, or XEMDA Monclova most likely; at least we know it's not Colorado, USA. **(GH-OK)**
- 1180 WVLZ TN **Knoxville** – 9/16 2346 – Fair; "Knoxville's Greatest Hits 1180 WVLZ." Beatles Oldie. On late. **(JJR-WI)**
- 1210 WPHT PA **Philadelphia** – 9/21 2125 – Excellent and in the clear with Panthers Stealers football. Surprisingly strong for this early in the season. **(JEL-MO)**
- 1220 KHTS CA **Canyon Country** – 9/6 0746 – Local ad or PSA; gal with weather, call letter ID, then into music. An occasional fair peak but mostly weak and unreadable. **(JW-CO)**
- 1220 KZEE TX **Weatherford** – 9/4 2114 – Way atop channel on N-S loop bearing with odd Indian-sounding music and chanting by female. On a hunch, I brought up KZEE's webstream, and it turned out to be a complete match. **(RD-NE)**
- 1230 KTRF MN **Thief River Falls** – 9/22 1249 – Fair with ID at conclusion of newscast: "The news that matters most, 1230 KTRF." **(RD-ND)**
- 1260 WOCO WI **Oconto** – 9/17 0720 – Poor and lost! "For WOCO radio, I'm meteorologist..." Rare! **(JJR-WI)**
- 1270 KSCB KS **Liberal** – 8/18 0700 – Poor-fair in QRM with ID. **(NK-WI)**
- 1270 KLXX ND **Bismarck-Mandan** – 9/16 0759 – Man with ID: "This is Super Talk 1270 KLXX Bismarck-Mandan" at ToH. Not sure what followed due to QRM. **(JW-CO)**
- 1270 KNWC SD **Sioux Falls** – 9/16 0744 – News, short features, recipes, man and woman announcers. "Faith 1270" slogans. Fair at best, up and down in the group. **(JW-CO)**
- 1290 KUMA OR **Pendleton** – 9/20 2345 – Fair to good with Oregon State Univ. football vs. San Diego State. **(RD-MT)**
- 1330 KWKW CA **Los Angeles** – 9/23 0859 – Legal ID: "La Mera Mera...KWKW Trece Treinta Los Angeles...;" not sure what followed. Rough copy with local KVOQ-1340's IBOC mostly nulled. **(JW-CO)**



- 1330 WTRE IN **Greenburg** – 9/17 0635 – Poor “...on True Country WTRE, good morning...” Lost. Rare! (JJR-WI)
- 1410 CJWI QC **Montreal** – 8/17 2300 – Fair-good in French. This has become pesky and is often noted with Creole and Haitian stuff. (NK-WI)
- 1420 KROLL MO **California** – 9/18 2059 – Poor to fair with C&W music into LID back into music. Needed call change, ex-KREL The call change dates back to 7/8/04, so needless to say a rare catch. Station’s night power is only 225 watts ND, with a day power of only 500 watts. (BD-WI)
- 1430 WCMY IL **Ottawa** – 9/17 0730 – Poor but up a bit “Full Service WCMY... from the WCMY newsroom..” Rare! (JJR-WI)
- 1440 KKXL ND **Grand Forks** – 9/15 2359 – Poor to good with light unID QRM, with promo for Dan Patrick into LID, then into “Fox Sports Trending Now.” Station slogan was “The Fan for the Red River Valley.” NEW! Station’s night authority is only 300 watts ND, with a day power of only 600 watts. (BD-WI)
- 1450 KGRE CO **Greeley** – 9/9 0650 – Atop with Mexican banda music //KGRE’s webstream. CO #36 and GYer #98 at this QTH. (RD-NE)
- 1450 KSIW OK **Woodward** – 9/12 2120 – High School football, Southmoore (Moore) vs Westmoore (Oklahoma City); 14-7 at halftime. Presume this is the Sports Animal Network. Fair signal atop others. (JW-CO)
- 1470 WNYN NY **Ithaca** – 8/17 2300 – Poor-fair in mess with clear call ID. (NK-WI)
- 1490 KTOP KS **Topeka** – 8/18 0700 – Very poor, but audible with their hourly ID that really pokes thru QRM. (NK-WI)
- 1510 KIFG IA **Iowa Falls** – 9/19 2225 – Poor to fair with light to severe unID QRM, with the last 20 seconds of high school football game into postgame coverage, final score Iowa Falls-Alden Cadets 35 East Marshall 8. This station is a one kW daytimer. KIFG calls were mentioned, but only the FM’s frequency of 95.3 was given. NEW! (BD-WI)
- 1530 KCMN CO **Colorado Springs** – 9/4 2144 – Break in music to announce a traffic accident is blocking I-25 thru Pueblo, so detour into city streets; from Ray Weston in the “Pueblo Radio News Center”, but outro as “ ... Newsroom”. Thus. KCMN, dominant signal instead of WCKY. Yet, KCMN official September sunset is 2115, so it’s well on the way to another night of cheating with 15,000 instead of 15 watts (they also have a 1000 watt Critical Hours license). (GH-OK)
- 1550 KDCC KS **Dodge City** – 9/25 0800 – Fair signals all alone for about 2 minutes. Heard a full ID on the top of the hour with a barking dog just before the lady gave the call sign. Big surprise and a NEW one for me. (SMA-MB)
- 1550 KLFJ MO **Springfield** – 9/13 2140 – Fairly good signals fading in and out under CBEF with lots of talk about Branson and what shows and sites to see. NEW! Finally after chasing this one for a very long time. Nice way to start a new DX season. (SMA-MB)
- 1580 KREL CO **Colorado Springs** – 9/10 0148 – ID immediately upon tune-in as “KREL, Colorado Springs, all sports all the time,” and back into Fox Sports One. It’s ND day and night, but night power supposed to be only 140 watts instead of 10 kW day power. (GH-OK)
- 1610 CHHA ON **Toronto** – 9/11 2102 – Song in Portuguese looping NE/SW, and then another, Voces Latinas which is not totally Spanish. Yes, program grid at <http://chha1610am.ca/program/> does show Portuguese at 2100-2200 M-F (and followed by Tagalog, Italian hours). Twenty semi-hours weekdays at 1400-1600 are each dedicated to a different SS Iberoamerican country. (GH-OK)
- 1650 KYHN AR **Fort Smith** – 9/23 2259 – Poor to fair slightly under KCNZ, with legal ID at the same time that KCNZ was ID’ing during a Cubs Network ID break. The KYHN LID was a singing jingle and read: “AM 1650 Arklahoma’s Talk Radio KYHN Fort Smith.” Needed recent call change. (BD-WI)
- 1690 KDDZ CO **Arvada** – 9/7 2257 – Radio Disney ID and music, fading in and out, at the moment not much from WVON Chicago. Disney is Denver’s doomed KDDZ, presumably only a few days left before divestiture. Will there be an hiatus, or immediate takeover by someone else? (GH-OK)



We start Volume 82 with a great turnout. Reminder: we’re on a two-week deadline and publication schedule this year. A good fall to all. (JDT-WA)

Domestic DX Digest - EAST

Editor: **Mike Brooker**, 99 Wychrest Avenue, Toronto ON M6G 3X8 Canada, patria1818@yahoo.com
 Loggings of U.S. and Canadian stations heard by DXers in the Eastern or Atlantic time zones

REPORTERS

- BC-NH** **Bruce Conti, Nashua** – Excalibur SDR, MWDX-5, variable termination SuperLoop antennas northeast and south.
- KK-VA** **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop.
- TLK-FL** **Terry Krueger, Clearwater** – NRD-535, IC-R75, Sangean PR-D5, roof dipole, active loop
- JRM-PA** **John R. Malicky, Pittsburgh** – Superadio III
- PS-ON** **Paul Snider, Welland** – ICOM R75, Pixel RF Pro-1B Loop, MFJ-1020C tuner
- 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

- 540 WWCS PA Canonsburg** – Local station now running Yahoo Sports apparently dropping Fox Sports. For the most part, they still don't ID at the top of the hour leaving dead air. (JRM-PA)

UNID

- 540 unID --** - 9/21 0648 – Briefly fading up among others with a promo for ESPN Radio. NRC AM Log 2014 shows only WKFN, Clarksville, TN as an ESPN affiliate on this channel. (TLK-FL)
- 1680 unID --** - 9/19 0500 – ABC news intro music under nulled WTTM, no known ABC affiliates on this frequency. (BC-NH)


TIS/HAR


- 1670 unID PA** - 9/8 2100 – Simulcast of NOAA Weather Radio from State College, mentioned temperatures in Washington DC, Philadelphia, and York among others. Several stations under different callsigns are listed in the FCC database for the Pennsylvania Department of Transportation. (BC-NH)
- 1680 WQOQ385 VA 6 locations** – 9/11 0502 – Fair; "You are listening to the V-Dot highway advisory radio on 1680 AM, the traffic information station." (BC-NH)

LOGGINGS

- 540 WGOP MD Pocomoke City** – 9/14 2245 – Sounded like country music, various ads (including one that mentioned an island in Virginia), instrumental "Yellow Bird," "Winchester Cathedral," male DJ announcing the end of the program and a request from Norma for "Turn Your Radio On" by Ray Stevens, then program sign off by announcer mentioning AM 540 as well as others, "Happy Trails," many ID's of many MD/VA stations including WGOP. // to Tune In stream. Poor to very poor mixing with SS station (WLIE?) and a few others. Heard a good ID on 9/21 during same Sunday music program: "...and on 540 AM WGOP Pocomoke City." (PS-ON)
- 570 WMCA NY New York** – 9/7 2155 – End of religious program. "570 WMCA" ID at 2155, promo for 970 "The Answer" (i.e. WNYM-970 in Hackensack, NJ), Total Transformation program promo, 911 PSA, "This is WMCA, New York City..." at 2158. Fair, usually on top of WKBN. (PS-ON)
- 590 CJCL ON Toronto** – 9/22 0002 – Over WEZE and R. Rebelde Cuba; "You're listening to the home of the Blue Jays, Sports Net 590 The Fan." (BC-NH)
- 600 WMT IA Cedar Rapids** – 9/25 0600 – Over/under WICC; "...you need to know ...600 WMT AM Cedar Rapids," and Fox news. (BC-NH)
- 620 WDAE FL St. Petersburg** – 9/22 0000 – Through WSNR and R. Rebelde Cuba; "Touchdown Tampa Bay!" and ID, "...on FM 95.3" into ESPN sports. (BC-NH)
- 640 WHLO OH Akron** – 9/13 0000 – Over R. Progreso Cuba; "High School Scoreboard Show on WHLO Akron and WARF Akron," into Fox news. (BC-NH)



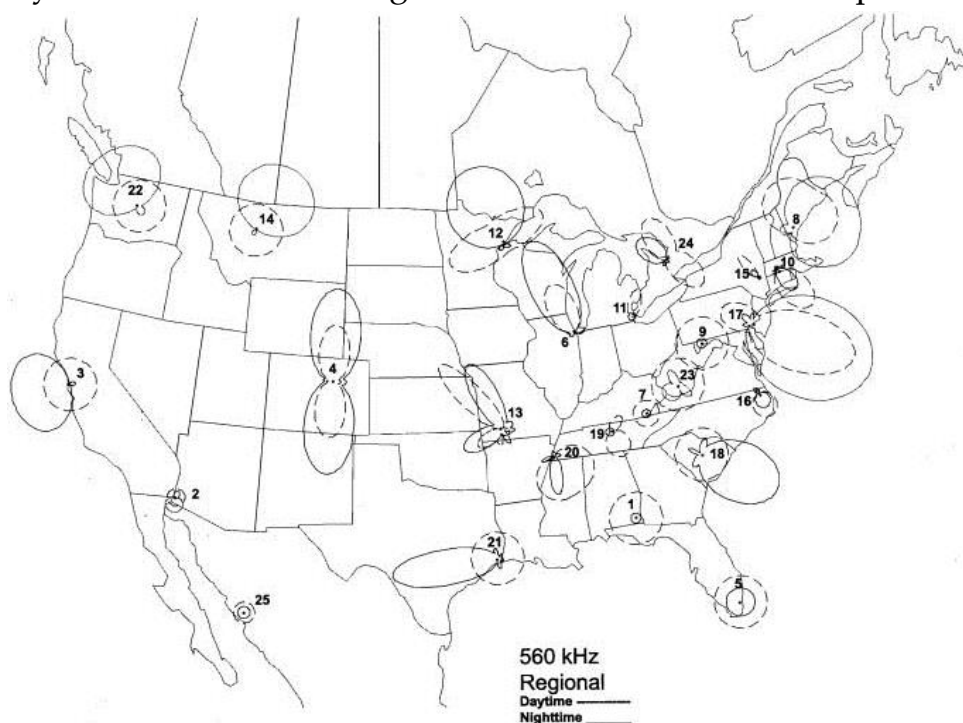
- 790 WNIS VA **Norfolk** – 9/15 2234 – Promo by female announcer, 2235 ID “790 WNIS,” into Ground Zero program. Fair to poor. **(PS-ON)**
- 810 WRSO FL **Orlovista** – 9/16 0500 – Under WGY; “On 810 AM and now 93.1 FM, Orlando’s first and only sports station on FM,” and CBS Sports Radio. 93.1 is W226BT Orlando. New log. **(BC-NH)**
- 840 WRYM CT **New Britain** – 9/7 2010 – In WHAS null with local ads in Spanish (mentioning 860 area code), “La Gigante ocho cuarenta” slogan. **(MKB-ON)**
- 850 WTAR VA **Norfolk** – 9/26 0000 – Through momentary WEEI dead air; “WTAR Norfolk... (information slogan) AM 850 WTAR.” **(BC-NH)**
- 860 WOAY WV **Oak Hill** – 9/25 2200 – Good, over CJBC; weather forecast, “AM 860, helping you grow your faith, a ministry of the Christian Resource Center, it’s 10 o’clock, at AM 860 WOAY Oakville-Beckley,” into Lifeline. **(BC-NH)**
- 890 WKNV VA **Fairlawn** – 9/25 1915 – Over WAMG; “Tune in to Replay, Saturday morning at 8 and Sunday morning at 10, here on Joy AM 890 and FM 93.1,” and country gospel music. New log. **(BC-NH)**
- 900 WSWN FL **Belle Glade** – 9/24 2007 – Tune-in to “Danny’s Song” by Loggins & Messina, female canned “95-9 Seaview Radio” often in what is also apparently a canned music format, mention of 561 area code on one break. Oldies by Gladys Knight, Air Supply, Glen Campbell, Elton John etc. Finally at 2102, “This is the place where South Florida comes to...WSVU...960 AM...95.9 and 106.9...a JVC Broadcasting station.” So what for many years was the “Sugar 900” Urban/gospel community station is now simulcasting 960 WSVU, North Palm Beach, which has translators W240CI (95.9) in North Palm Beach and W295BJ (106.9) in Jupiter. I’ve not heard WSWN in the evenings and have to wonder if they aren’t powering down the daytime wattage. And checking the FCC dB, indeed WSWN is listed as JVC Media of South Florida LLC owned. **(TLK-FL)**
- 
- WCPA PA **Clearfield** – 9/23 1900 – Under nulled local WGHM; nostalgia, “For news and information... the oldies station WCPA Clearfield,” and ABC news. **(BC-NH)**
- 940 WINZ FL **Miami** – 9/15 0500 – Good; “WINZ Miami-Fort Lauderdale, we’ve got game, all of them, 940 Winz, available anywhere you go on the iHeart radio app, download it now,” and Fox sports. **(BC-NH)**
- WCND KY **Shelbyville** – 9/18 0503 – Poor; canned ID in English, “...940 AM ...Kentucky,” and Spanish, “...Explosiva 940 ...de México,” and Mexican music. **(BC-NH)**
- 950 CKNB NB **Campbellton** – 9/6 2323 – “Don’t Call Me Baby” by Kreesha Turner, weather report (High 18 degrees for Sunday) and two CKNB IDs, into more music, “Lights” by Elle Goulding, “What Doesn’t Kill You Makes You Stronger” by Kelly Clarkson, ID followed “...your community, your 950 CKNB.” Fair to poor mixing with possibly WWJ. **(PS-ON)**
- 960 WGRO FL **Lake City** – 9/14 0704 – George Harrison’s “Give Me Love (Give Me Peace On Earth)” followed by male canned ID. This one continues to put in an OK signal pre-sunrise. Format is more Classic Rock than traditional Oldies. **(TLK-FL)**
- KMA IA **Shenandoah** – 9/21 *0700 – Over usual pest WFIR-Roanoke with Star Spangled Banner and sign-on: “good morning...thank you for listening to KMA...on an assigned frequency of 960 kilohertz and KMA FM 99.1...and online at kmland.com...” into ABC news. **(MKB-ON)**
- WTGM MD **Salisbury** – 9/24 0600 – Fair; “Fox Sports 960 WTGM Salisbury, Fox Sports 960 dot com,” ex-Comedy 960. **(BC-NH)**
- WEAV NY **Plattsburgh** – 9/18 0500 – Good; “CBS Sports Radio, NBC Sports Radio, and the A.J. and Rich Show, WEAV Plattsburgh-Burlington, 960 The Zone, all sports” into CBS Sports Flash. **(BC-NH)**
- WATS PA **Sayre** – 9/19 1900 – Over usual WFIR/WELI mix with promo for Waverly Wolverines high school football, “serving the community since 1950...proud to be your local radio station...WATS Sayre and WAVS Waverly” ToH ID into AP news. **(MKB-ON)**
- 1070 WNCT NC **Greenville** – 9/11 2103 – Fading in/out; oldies music, “Beach, Boogie and Blues on 105-9 Greenville, 95-7 New Bern, 101.7 Jacksonville... at 1070 and Beach Boogie and Blues dot com.” **(BC-NH)**
- 1120 WKAJ NY **Saint Johnsville** – 9/7 1916 – In KMOX mix with oldies, “Good times and great hits only on 11-20 AM WKAJ...” by male DJ, station promo at 1945: “... classic hits... one song at a time from Utica to Amsterdam. Classic hits from the 60’s, 70’s and 80’s WKAJ AM 11-20 for Central New York.” **(KK-VA)**
- +++ - 9/17 2334 – “Man Eater” by Hall & Oates, heard WKAJ ID clearly during KMOX sports (dominating the frequency), “Walk This Way” by Aerosmith. Poor (but audible) under KMOX, but occasionally fair over KMOX. **(PS-ON)**

- 1140 WQBA FL **Miami** – 9/20 0500 – Over/under R. Rebelde Cuba; “WQBA... 1140 Miami,” and Univision América jingle. **(BC-NH)**
- 1150 WAVO SC **Rock Hill** – 9/10 1922 – In mix with CKOC and other UNIDs (baseball game, talk, SS from Cuba), “WAVO (said as the words ‘wave oh’) community calendar.” **(KK-VA)**
- 1160 WTEL NC **Red Springs** – 9/10 2028 – In WMET/WYLL mix with station promo: “...along with some of the best in ministry...you are tuned to ‘The Powerhouse’ AM 11-60 AM WTEL Red Springs North Carolina.” **(KK-VA)**
- 1170 KFAQ OK **Tulsa** – 9/22 0000 – Under WWVA; “...Campbell Show ...and KFAQ,” into ABC news. **(BC-NH)**
- 1180 WVLZ TN **Knoxville** – 9/19 2245 – Lots of oldies music, WVLZ ID at 2251, James Brown’s “Cold Sweat,” “Joy to The World” by Three Dog Night, “Honky Tonk Woman” By The Rolling Stones. 2300 ToH ID: “Go ahead, sing along, nobody’s watching. Songs you know and love...from Knoxville’s oldies station 1180 WVLZ.” Fair to very poor fighting with WHAM. Apparently changed to oldies format on August 29, 2014, according to Wikipedia. **(PS-ON)**
- 
- 1190 WAFS GA **Atlanta** – 9/10 1945 – In multi-station mix (WCRW, WOWO, UNID C&W and SS stations) with station promo: “Finance news and lifestyle information just for you...weekday afternoons at 1 on ‘Biz 11-90.’” **(KK-VA)**
- 1200 WSML NC **Graham** – 9/15 1859 – In mix with WXKS and other UNIDs, male ToH ID: “The Triad Sports Network AM 1200 WSML Graham...FM and...WCOG Greensboro.” **(KK-VA)**
- 1210 WANB PA **Waynesburg** – 9/15 1918 – In WPHT mix with station promo: “Your home town radio station. Cool country WANB.” **(KK-VA)**
- 1220 WSLM IN **Salem** – 9/15 2029 – In WFAX/WHKW mix ID during Reds v. Cubs baseball game: “You’re listening to the...home of the Reds on WSLM 12-20 Salem and Murrayville.” New station for me. **(KK-VA)**
- 1230 WFAY NC **Fayetteville** – 9/15 2017 – In multi-station mix (WJOI and various UNIDs) with typical ESPN radio programming, male “ESPN Radio 12-30 and 14-50 WFAY and WFBX” ID. **(KK-VA)**
- WJOY VT **Burlington** – 9/9 0000 – Over unID R&B oldies; ID with mention of Champlain Valley and America’s best music, “This is AM 1230 WJOY Burlington,” into AP news. **(BC-NH)**
- 1250 WARE MA **Ware** – 9/19 2320 – 1950’s oldies, “realoldies1250.net” website promo, “Wild One” by Bobby Rydell, “Incense & Peppermint” by Strawberry Alarm Clock. Poor to very poor mixing with possibly CJYE and unknown sports station. **(PS-ON)**
- WTMA SC **Charleston** – 9/19 1905 – In multi-station mix (WRCW, WDVA, WGHB, UNID SS and oldies) with “12-50 WTMA Charleston weather,” “The big talker WTMA” jingle at 2034. **(KK-VA)**
- CJYE ON **Oakville** – 9/26 0600 – Fair over WGAM; “Joy 1250 news,” current weather conditions, “Joy 1250, hometown Christian radio for the GTA.” **(BC-NH)**
- 1260 WWVT VA **Christiansburg** – 9/19 1900 – In multi-station mix (WWRC, WZBO, UNID oldies, two football games) with NPR programming, male “This is Radio IQ WWVT...” ID. **(KK-VA)**
- 1270 WJJC GA **Commerce** – 9/19 2000 – In multi-station mix with station promo mentioning “... on WJJC and WJJC.net.” **(KK-VA)**
- WXGO IN **Madison** – 9/19 2343 – Oldies music, WXGO ID at 2344, “The Thrill is Gone” by BB King, “Piece of my Heart” by Janis Joplin. Very poor with WHLD Niagara Falls partially nulled. **(PS-ON)**
- WMPM NC **Smithfield** – 9/19 1914* – In multi-station mix (WTJZ, WCGC, WLIK, WJJC, WLBR, UNID ESPN and SS) with “Johnson Country Christian radio AM 12-70 WMPM...” slogan and sign-off: “...you and your family...we invite each and every one of you to listen in tomorrow. WMPM is owned and operated by the Family Media Group... transmitter location at 1270 Buffalo Road Smithfield...WMPM...” New station for me. **(KK-VA)**
- WLIK TN **Newport** – 9/19 1855 – In multi-station mix with South Doyle vs Cobb County high school football game. **(KK-VA)**
- 1290 WHIO OH **Dayton** – 9/19 2351 – Ad for car dealership in Mechanicsburg OH, promo for station with WHIO ID, into the Daily Show. Fair to poor mixing with CJBK. **(PS-ON)**

- 1320 CJMR ON Mississauga – 9/26 0600 – Good; “CJMR, the voice of the city” and ethnic instrumental music. (BC-NH)
- 1380 WKDM NY New York – 9/25 1901 – Over usual CKPC groundwave with legal “WKDM AM 1380 New York” English ID amid high-speed Chinese talk. (MKB-ON)
- 1390 WCAT VT Burlington – 9/24 1900 – Good; “WCAT Burlington, WRSA St. Albans, Comedy 1390, Burlington’s home for comedy,” ex-Cruisin’ 93.7. (BC-NH)
- 1410 CJWI QC Montreal – 9/19 1951 – Presumed over dueling sports talkers with French discussion on mid-east, many mentions of Israel and Palestine. (MKB-ON)
- 1460 WOPG NY Albany – 9/22 1700 – Fair; “This is WOPG, 1460 kilohertz, Albany, bringing you the words of peace and goodness,” and EWTN. (BC-NH)
- 1470 WJDY MD Salisbury – 9/26 0602 – Good; local news, “For the First at 5 on Fox 21, I’m Jimmy Hoppa, for WBOC news,” promo, “All over Delmarva Country, people are listening to Froggy 99-9...” and country music, ex-sports. (BC-NH)
- 1580 WVKO OH Columbus – 9/12 2159 – End of religious program and woman giving out various religious website addresses and mail addresses, ID at 2200: “This is WVKO...Columbus,” then lost to CKDO. Fair to very poor. (PS-ON)
- 1670 WOZN WI Madison – 9/21 0300 – Fair, just hearing ID “You’re in the Zone with Jim Rome...weekdays on Madison’s WOZN-1670 and 106.7 Mount Horeb” into CBS SportsRadio programming Always fighting Fox Sports Macon, GA’s station! Personally delivered reception report and audio on a tour of WOZN August 15th receiving the verie letter September 18! (JRM-PA)
- 1680 KRJO LA Monroe – 9/7 0558 – End of C&W oldie, male canned “You’re listening to Classic Country... KRJO, Monroe, your station for the latest from ABC News” into ABC network news. (TLK-FL)
- 1700 KVNS TX Brownsville – 9/6 0650 – Fox Sports Radio over WJCC-Miami. (TLK-FL)

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



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Price/ordering info: To the United States, \$22.95 for members, \$28.95 for non-members (add \$4.00 for

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International DX Digest

Editor: **Bruce Conti**, 46 Ridgefield Drive, Nashua NH 03062-1174, contiba@gmail.com
 Loggings of stations outside the continental U.S. and Canada, all times UTC.

TRANSATLANTIC DX

- 189 **ICELAND** *Ríkisútvarpid*, Gufuskálar SEP 11 0204 – First LW reception in several months, weak audio but steady. [Wilkner-FL]
- 549 **ALGERIA** *Jil FM*, Les Trembles SEP 18 0400 – Good, solid s9; contemporary vocal through the hour, parallel 531 kHz. [Conti-NH]
- 585 **SPAIN** *RNE1* Madrid SEP 25 0200 – Good; time marker, "Son las cuatros, las tres en Canarias, Radio Nacional de España, servicios informativos," parallel 855 kHz. [Conti-NH]
- 595 **MOROCCO** *SNRT* Oujda SEP 18 0225 – Loud het against 594 Saudi Arabia. [Conti-NH]
- 675 **NETHERLANDS** *R.Maria*, Lopik SEP 18 0247 – Church music through 680 WRKO splatter. [Conti-NH]
- 702 **IRAN** *VOIRI* Rasht-Kiashahr SEP 11 0050 – Loud; Koranic recitations. 0130 still loud with Koran. SEP 18 0210 – Loud; speaker with echoey acoustics and musical interludes. [Conti-NH]
- 738 **SPAIN** *RNE1* Barcelona SEP 25 0400 – Good, the strongest signal from Spain at this moment; time marker, "Son las seis, las cinco en Canarias... las mañanas de Radio Nacional de España" into news, parallel fair 585 and 855 kHz. [Conti-NH]
- 756 **GERMANY** *Deutschlandfunk*, Braunschweig & Ravensburg SEP 11 0100 – Fair; *Deutschlandfunk* sounder and time marker. [Conti-NH]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott SEP 18 0245 – Koran; over Middle Eastern music from Syria. [Conti-NH]
- 855 **SPAIN** *RNE1* Murcia et al. SEP 11 0050 – Fair; talk in Spanish. Noted two offsets; likely Romania at 855.013 kHz, and an unID at 855.072 kHz not listed in mwoffsets data. [Conti-NH]
- 909 **UNITED KINGDOM** *BBC Radio 5* sychros AUG 18 0312 – Poor peaks with English talk. [Kazaross-WI]
- 936 **IRAN** *IRIB R.Iran*, Urumiyeh SEP 11 0040 – Fair; Koranic vocals. [Conti-NH]
- 936 **SPAIN** *RNE5* sychros SEP 11 0150 – Faded up strong with sychro echo over Iran. [Conti-NH]
- 945 unID SEP 18 0240 – Two signals noted, measured at 945.000 and 945.152 kHz. [Conti-NH]
- 1089 **UNITED KINGDOM** *TalkSport* sychros AUG 18 0320 – Poor with English talk at a level where I could copy a few words. Since Kitchener is gone from 1090 this is rather easy as all I need do is to phase null KAAY. [Kazaross-WI]
- 1116 **SPAIN** *SER* sychros SEP 8 0400 – Fair; time marker, "Cadena Ser, servicios informativos." [Conti-NH]
- 1521 **SAUDI ARABIA** *BSKSA* Duba AUG 18 0120-0300 – Fair peaks. Faded in a bit late like all TA's tonight but was up to decent level by 0125 with Arabic chanting. Later on, Arabic talk was often at least at a threshold level. Phase nulling KOKC helped reduce interference and sometimes signal was at the same strength as adjacent 1520 kHz. [Kazaross-WI] SEP 7 0152 – Het upon far-right talk from 1520 KOKC, surely the 2000 kW Saudi, so should I even pretend it's unID? WRTH listings make it easy with *nothing* else on 1521 region 1 except: a 10 kW in Bahrain (whew, at least Duba is directional away from there); a 5 kW in Spain (asking for trouble), and 70 watts in Great Britain (expecting coverage within a few feet only anyway). [Hauser-OK]



PAN-AMERICAN DX

- 530 **CUBA** *R.Rebelde*, Guantánamo SEP 15 0400 – Over/under *R.Enciclopedia*; choral national anthem parallel 550, 560, 590, 600, 670, and 710 kHz. Anthem started 5 seconds later on *R.Enciclopedia* after canned ID. [Conti-NH]
- 540 **MEXICO** XETX Nuevo Casas Grandes, Chih. SEP 8 0258 – Odd language catches my ear, neither Spanish nor English but soon rather certain it's Low German; signal dominating from west/southwest, and 0300 into Spanish "La Ranchera de Paquimé" XETX ID from Chihuahua, 5 kW, Grupo BM, and joining La Hora Nacional a bit late, I think. Often heard before but probably first time in Low German; Nuevo Casas Grandes is near the U.S. border beyond what I thought was the Mennonite area further south in Chihuahua. [Hauser-OK]



- 550 **HONDURAS** *ABC Radio*, Tegucigalpa SEP 24 1056 – Big signal with Mexi-like tune, then canned unison "ABC, ABC, ABC" at 1058, station promo, "ABC Radio" by man at 1100 followed by singing "ABC Radio" jingle, into female and male newscast from 1101 with lots of mentions of Honduras, Tegucigalpa, a mention of Puerto Plata en la República Dominicana, and Nicaragua. "Cinco de la mañana (y) cinco minutos" at 1103, frequent *ABC Radio* mentions between every couple of items, and more time checks, all consistently two minutes ahead. Began fading at 1110 along with low side het appearing from someone else. Found a live stream at www.radios.hn/abc-tegucigalpa. Note their logo includes the sub-slogan "La Primera... 550 AM" though never heard. No unID Mexican this morning, which is what I was looking for again but pleased this one decided to appear instead. [Krueger-FL]
- 550 **MEXICO** unID SEP 9 1103 – "AM... Barcelona... pesos... super..." was all I could catch. SEP 10 1059 – Anthem, not parallel *W Radio* on 900 kHz. [Krueger-FL]
- 580 **PUERTO RICO** WKAQ San Juan SEP 16 0400 – Under WTAG; multi-station ID. [Conti-NH]
- 590 **CUBA** *R.Rebelde*, Guantánamo SEP 22 0401 – Under WEZE and CJCL; choral national anthem parallel 600 kHz. [Conti-NH]
- 620 **MEXICO** XEBU Chihuahua, Chih. SEP 20 1206 – AM/FM ID: XEBU 620 kHz with 10 kW, XHBU 91.7 MHz with 25 kW, and address per WRTH; "La Nortanita" slogan and member of MegaRadio group. Fair/good, competing with U.S. and Canadian stations on the frequency. [Wilkins-CO]
- 650 **MEXICO** XETNT *Radio 65*, Los Mochis, Sin. SEP 25 0512 – Los Mochis ads, mentioning Grupo Chávez, Radio Viva, but this is XETNT *Radio 65* in Sinaloa. Mutually nullable with talk station in English, no doubt KGAB in Wyoming – and hardly any sign of WSM Nashville, unusual as it's usually dominant. [Hauser-OK]
- 660 **MEXICO** XEFZ *ABC Radio*, Monterrey, NL SEP 21 1100 – Anthem in progress at tune-in, female with calls and *ABC Radio* slogan at 1102, into of all things, Survivor "Burning Heart" followed by a Spanish ballad. So beware, 80's English (Chicago, at least) language rock here could be this one. [Krueger-FL]
- 690 **MEXICO** XERG Monterrey, NL SEP 18 1203 – Man with full ID, mentioning call letters, 10 kW, 690 kHz, and possibly an FM station, as well; "Una emisora de Multimedios Radio" and into talk (sports?); "La Deportiva" slogan. Fair/poor, mixing with U.S. and Canadian stations. [Wilkins-CO]
- 700 **MEXICO** XEGD Hidalgo del Parral, Chih. SEP 20 1200 – National anthem; 1202 ID for XHGD 90.3 FM with 25 kW, and XEGD 700 kHz with 5 kW; also gave address and two phone numbers; "La Poderosa" slogan and into ranchera music. Good signal and dominant, as they have been all week, sounding very good for 5 kW. They carry MVS Noticias Monday-Friday with Carmen Aristegui at this time, but play music on weekends. [Wilkins-CO]
- 700 **MEXICO** unID SEP 7 1200 – Big buzz on carrier, with SAH of 38/minute = 0.63 Hz. Such behavior previously traced to XEGD Hidalgo del Parral, Chihuahua, I thought, but then XE national anthem and sign-on for "La Poderosa" (not very), 90.3 and 700, which is XEGD, seems to be the understation beneath hum. The only other north/west Mexican on 700 is XEETCH Navojoa, Sonora, which we have also heard. Perhaps we should also suspect KHSE Texas, the only nearby U.S. station, otherwise unheard. [Hauser-OK]
- 710 **MEXICO** XEDP Cd. Cuauhtémoc, Chih. SEP 7 0150 – Big het to 710.0 stations from the southwest, i.e. the usual sometimes-off-sometimes-on frequency XEDP. SEP 9 0244 – Big LAH against 710.0 stations, the usual suspect being XEDP; hard to believe it's only 100 watts at night as per Cantú. [Hauser-OK]
- 720 **CUBA** *R.Progreso*, Mabujabo SEP 26 0029 – Under WGN; flute salsa music parallel 690 kHz. [Conti-NH]
- 720 **MEXICO** XEDE *La Kaliente*, Saltillo, Coah. SEP 9 0557 – Mention of "Kaliente 105," per Cantú: XEDE *La Kaliente* + FM 105.7 Saltillo. Best with WGN nulled, but sufficient to do a number on the poor Chicagoan even when not nulled; the two are not that far apart oppositely. Hard to believe it's only 250 watts. [Hauser-OK]
- 790 **MEXICO** XENT La Paz, BCS SEP 7 1216 – Mentions *R.Fórmula*, presumably XENT on 10 kW day power already. [Hauser-OK]
- 820 **CUBA** *R.Ciudad de la Habana*, La Habana-Arroyo Arenas SEP 15 0400 – Well under WNYC; choral national anthem, then canned ID with familiar melody. [Conti-NH]
- 840 **CUBA** CMHW *DobleVé*, Santa Clara SEP 21 0400 – Over/under WHAS; choral national anthem and canned ID, "Esta es DobleVé, desde Santa Clara, en el centro de Cuba." [Conti-NH]

- 840 **MEXICO** unID AUG 18 1100 – Here weakly with Mexican national anthem. Presumed Mexican since KVJY which I believe still carries *R.Fórmula* overnight, has their own programming on by this time. [Kazaross-WI]
- 850 **CUBA** *R.Reloj*, Nueva Gerona SEP 8 0400 – Under WEEL; time marker and RR Morse code, not the usual midnight worldwide time checks and chimes, parallel 570, 790, 860, and 870 kHz. [Conti-NH]
- 850 **MEXICO** XEM Chihuahua, Chih. SEP 7 0145 – After rock in English, Spanish time check for 7:44, 21 grados C; then this-day-in-rock-history mentioning Pink Floyd et al. 0146 PSA for Chihuahua, "más grande estado del país," 0147 federal promo for 'La Hora Nacional' Sunday at 10 p.m.; mentions Stairway to Heaven, Led Zeppelin, FM 103.7 – which checks as XHHEM, parallel 850 XEM. Not much signal from KOA needing nulling, and oppositely, nothing at all heard from KFUE Missouri which in August was on until 0200 UTC with organ music, etc. Now closing earlier? Official Denver sunset has advanced from 0200 in August to 0115 UTC in September. KOA, of course, stays 50 kW ND day and night, for all the good that does them vs Mexico interference. [Hauser-OK]
- 870 **MEXICO** XETAR Guachochi, Chih. SEP 7 1205 – Just opened, man and woman sharing sign-on duties in Spanish and Tarahumara, for 12-hour daytime; 1206 UTC announcement with added echo effect; date as 7 de septiembre, 6:07 am, temp 14C. Always fun to hear this indigenous 10 kW daytime station which can get out well at SRS. Enid sunrise today: 1208 UTC. [Hauser-OK]
- 900 **MEXICO** XEDT Cuauhtémoc, Chih. SEP 11 0558 – Beeswarm-noise looping west-southwest/east-northeast; probably a Mexican just signed off but open STL still being relayed. XEDT the prime and only suspect in that direction. [Hauser-OK]
- 910 **MEXICO** XEAO Mexicali, BCN SEP 5 1211 – Automated female time check as 5, 11 minutos, back to Mexican music. So has to be in the UTC-7 zone = PDT/MST. There is no Nevadan; Arizonan is not Spanish; only Mexican fit is XEAO, 250 watts day and night per Cantú and WRTH; 1000/250 per IRCA; all as *R.Mexicana*. Only other possibility would be KOXR in further Oxnard, with similar format, 1 kW night, but like all the 910 Alta Californians directional southwest into the Pacific while XEAO is ND. [Hauser-OK]
- 910 **VENEZUELA** YVRQ Caracas SEP 15 0902 – Under WRNL; doorbell attention signals. [Conti-NH]
- 950 **MEXICO** XEMAB *La Poderosa*, Ciudad del Carmen, Camp. SEP 7 1103 – Anthem in progress, calls/slogan 1104, into Mexi-tune. Fair-poor with *R.Reloj* and a domestic co-channel. Confirms my tentative of this on August 2. [Krueger-FL]
- 950 **MEXICO** unID SEP 14 1113 – Over/under presumed XEMAB. Female mentioned "vativos... FM... Guadalajara..." at 1114. So could it be XEMEX *La Mexicana*, Cd. Guzmán, Jalisco, but Guadalajara is about 50 miles north though same state. [Krueger-FL]
- 1040 **MEXICO** XEHES Chihuahua, Chih. SEP 5 1205 – Amid heavy interference, not just WHO, make out mentions of BM Radio, Chihuahua, and Grupo Radiorama. Therefore it is XEHES, the only 1040 in the estado, and which Cantú confirms is with Radiorama. Cantú and IRCA Mexican Log show 5000/250, *Estéreo Sensación* parallel FM 94.1 XHHES. 2014 WRTH agrees on power but name as 'Extasis Digital.' I logged this a few times in 2012 as "Romántica." [Hauser-OK]
- 1080 **CUBA** *R.Cadena Habana/R.Ciudad de la Habana*, La Habana-Villa María SEP 15 0359 – Under WTIC; one of two stations with choral national anthems 1:25 apart. The second station is unID and not listed; possibly a new *R.Surco* station. [Conti-NH]
- 1080 **CUBA** *R.Surco*, unknown location SEP 26 0400 – Under WTIC; choral national anthem followed by canned ID, parallel 1140 kHz. [Conti-NH]
- 1100 **CUBA** *R.Angulo*, Mayarí SEP 8 0359 – Under WBT, mixed with unID domestic; choral national anthem. [Conti-NH]
- 1140 **COLOMBIA** *Caracol Radio*, Villavicencio SEP 24 2351 – Faded up briefly over the pile of Cubans with Caracol ID, man and woman fast-paced news, ad block from 2355 with phone numbers, mention of various Colombian Departamentos at 2358 and faded down. First time here for me, I think. [Krueger-FL]
- 1140 **CUBA** *R.Musical Nacional*, Santa Clara SEP 8 0400 – Over/under WRVA and *R.Rebelde*; choral national anthem, then canned ID with classical harp. [Conti-NH]
- 1140 **CUBA** *R.Surco*, Morón SEP 14 0900 – Over/under WRVA; canned ID, "Transmite CMIP Radio Surco..." [Conti-NH] SEP 23 2309 – Cuban pop-ish vocals, nice *R.Surco* canned ID by man at 2313 over/under *R.Musical Nacional*, *R.Rebelde*, and *R.Mayabeque*. This is the earliest hour I've heard a Surco ID (7:13 p.m. local), so is this really via the Morón, Ciego de Ávila, Rebelde site we assume flips to Surco overnights, or is there really a dedicated Surco

transmitter here? [Krueger-FL] I've always presumed the Morón site is dedicated to *R.Surco*. – Conti

1310 **CUBA** *R.Enciclopedia*, Nueva Gerona, Isla de la Juventud SEP 7 1055 – Instrumental, female back announcing song, fair-poor, parallel 530 kHz. [Krueger-FL]

1420 **MEXICO** unID SEP 15 0553 – Tuneby, Mexican federal PSA, then auto time check in Spanish for 8:53! But that would be in the UTC-9 zone where there's little but Alaska, certainly no part of México. Some station's clock is upscrewed. Possibilities: XEF Juárez, XEH Monterrey, XEEW Matamoros; furthest out but only UTC-7 is XEXX Tijuana. Then I have doubts: did they say "once" instead of "ocho" which I thought I clearly heard? That would be in the UTC-6 zone, i.e. XEF. [Hauser-OK]

1510 unID SEP 5 0128 – Mexican music station, loops north-northeast/south-southwest appropriate for Monterrey; fades for ID at 0130; another announcement at 0137 mentions 1510 AM; and at 0138 sounds like "[two syllables] Radio." Just too much interference from several stations even with WLAC nulled and something off-frequency making a low rumble. [Hauser-OK]

1650 **INTERNATIONAL WATERS** 0HLI SEP 6 1038 – Long line fishing net beacon presumed the source, pointing mostly north/south with cycling Morse, presume somewhere in the Gulf of Mexico and only heard this morning over broadcasters. Gerry Bishop in Niceville, Florida, coincidentally heard it the same time one day prior. First one of these for me, and inside the once X-band at that. [Krueger-FL]

1650 **MEXICO** XEARZ *ZER Radio*, México DF SEP 7 0922 – All instrumentals, including elevator version of *El Condor Pasa*, male canned ID with calls and slogan at 0929, often atop WHKT and the I-275 Tampa HAR. [Krueger-FL]

TRANS-PACIFIC DX

738 **TAHITI** *RFO Papeete* AUG 18 1055 - Poor with gal speaking French, into music and faded. A few other TP carriers noted but conditions not going well to Australia in this part of the band as almost no trace of 702 which can put in audio at times, and no SAH on 738 from 2NR was noted. [Kazaross-WI]

Carrier search, SEP 10 1155 - JBAs on 774 and 828, i.e. surely NHK Japan. My neighbor near Perry OK, Richard Allen also had 774 at 1051-1059 same date, poor to fair, on his ultralight Tecsun radios, but with souped-up ferrite antennas. He did not say he got any audio, but FSL promoter Gary DeBock congratulated him on "his first TP audio of the new season." [Hauser-OK]

CONTRIBUTORS

Bruce Conti WPC1CAT, Nashua NH; WinRADiO Excalibur, MWDX-5 phasing unit, 15 x 23-m variable termination SuperLoop antennas at 60° north and 180° south.

Glenn Hauser, Enid OK; DX-398 or PL-880 with internal antenna only.

Neil Kazaross, Grafton WI; Perseus SDR, phased BOG's 655-ft at 67° vs 490-ft at 63°, and a single BOG 480-ft at 243°.

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

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

Robert Wilkner, Cedar Key FL; NRD 525D, R8A, E5.

INTERNATIONAL NEWS

IRELAND: *RTE Radio 1* longwave 252 service will close down on 27 October 2014. The vast majority (98%) of Radio 1 listeners are not affected and no change is necessary. Longwave listeners should retune to RTE Radio 1 on FM between 88 and 90 MHz. Why is the service closing? The audience for the LW 252 service is very small. The majority of the RTE Radio 1 audience listens to the superior sound of FM. Longwave broadcasting is out of date, has poor audio quality and provides unreliable reception. LW is inconsistent with environmental best practice and represents poor value for the money. RTE Radio 1 is available on nationwide stereo FM, on DAB digital radio, on all digital television platforms and on the RTE Radioplayer (online and mobile). LW 252 program options such as religious services and additional sports coverage are available on the digital channel RTE Radio 1 Extra, also on the RTE Radioplayer. [www.rte.ie/radio1]

NETHERLANDS: *Radio 5* will leave the MW band in one year, on September 15, 2015. The antenna masts are obsolete and need to be replaced, which would be too costly. The frequencies 747 and 1251 kHz will be for sale. [Herman Boel, MWC, via R.Friess, *Radio Club du Perche*] On September 1, 2015, the NPO will close *Radio 5* via AM. From that moment on public broadcasting stations will no longer be on AM. The choice was made because of cuts. "With the shutdown of the medium 1.2 million can be saved. Broadcasting by AM is energy expensive. Furthermore,



discontinuation creates less impact on the environment," explained a spokesperson in a press release. This form of distribution is relatively harmful to the environment because of the large energy consumption. "An annual three million kWh of energy can be saved." The current transmitters for MW are outdated. "Continuation of the AM has extensive investments." Listeners of *Radio 5* can listen to the radio via cable, internet, mobile, satellite and Digital Radio +. "The alternatives, especially Digital Radio +, offer higher listening quality than AM ." With the discontinuation of the AM, NPO follows the European trend. "More and more broadcasters are switching off AM. In Switzerland, Belgium, Norway and Sweden, AM practically no longer exists." [www.mediacourant.nl]

NETHERLANDS: 828 kHz tower toppled. Photo at www.radio-tv-nederland.nl/heinenoord-plat-eind.jpg. [Hans Hoefnagels, MWC]

SCOTLAND: What will happen to the BBC following independence? The current Scottish Government proposes that BBC Scotland will become the foundation for the establishment of a publicly-funded, public service broadcaster - the *Scottish Broadcasting Service* (SBS). The existing BBC charter expires on 31 December 2016, and the SBS will begin broadcasting on TV, radio and online on 1 January 2017. The SBS would replace the BBC in Scotland in joint ventures, including those related to Freeview and Freesat. The SBS would also take on the BBC role in the operation of relevant digital terrestrial television multiplexes in Scotland. The SBS would also inherit a proportionate share of BBC commercial ventures, including BBC Worldwide Ltd, and their associated ongoing profits. [scotreferendum.com]

SPAIN: On September 12, two stations in medium wave, EAK-53 COPE Reus (5 kW) on **1143 kHz** and EAK-82 COPE Gerona, Figueras (5 kW) on **1269 kHz** were scheduled to close due to economic reasons. No info was disclosed about the future of the masts. [Guillermo Sáez, mediumwave.info]

UNITED KINGDOM: *Laser Hot Hits* reported by European DXers on **1476 kHz** with oldies, parallel 4026 short wave. [Brock Whaley, MWC, and various follow-ups]

73 and Good DX!

Membership Report

- "I'm not sure I can be called a DXer anymore, but I still enjoy reading *DX News* and keeping up with the changes on the dial." – John "Qual-R-man" Callarman
- "Thanks for another great year of information " – John T. Ridge
- "Enclosed is a check for dues and the *AM Radio Log*." – Frank Welch
- "Enclosed is a check for my renewal and the 35th edition of the *Log*." – Chuck Kaufman

Why don't you kill two birds with one stone like Frank and Chuck? Renew and get the 35th edition of the *AM Radio Log*!

New Members – Please welcome our newest members: William Agerton, Burlson, TX; Frank Brown; Louis Ford, Linthicum, MD; Thomas French, Pocomoke City, MD; ; P. W. Mott, Auckland, New Zealand; James Prather, Detroit, MI; Christoph Ratzler, Austria; Jeramy Ross, Lawton, OK; Michael Rutkaus, Winchester, VA; and Matthew Wrench, Oshkosh, WI.

Rejoining Members – And welcome back to Ginnie Lupi, Corning, NY; William Patalon III, Fallston, MD; David Snellman, Perkasio, PA; and Joseph Vargo, Livonia, MI.

Renewing Members – Thanks to the continued support of John M. Adams; Roger Anderson; James Bagge; Steven Branch; John Callarman; E.L. Cook; W.C. Cornwall; Michael J. De Roo; Gary DeBock; Arthur Delibert; Kenneth L. Diehl; Mark Durenberger; Bill Dvorak; Albert Earnhardt; Robert Eddy; Russell J. Edmunds WB2BJH; Matthew Elliff; Rein Faber; Joseph Fela; Karl D. Forth; Douglas Foster; Robert L. Foxworth; Dave Freeman; Robert Galerstein WB2VGD; Anthony Gargano; Michael Gaston; Gerard Gonsalves; David Green; Warren Greenberg; Daniel Haggett; William R. Hale; James Hall; Robert Harrison; Robert Hill; Eugene Hinton; Michael Hunter; Karl V. Jeter; Bob Karchevski; James C. Kauer; Charles H. Kaufman; Len Kelter; Russell A. Lay; David N. Lewis; Ted S. Liszewski; John R. Malicky; Taylor McNeil; Tom Mulvaney KR4BD; James J. Nahirniak; Darrell Neft; James Niven; Tim Noonan; John Nowak; Hugh O'Riordan; Albert V. Prete; John F. Randall; John T. Ridge; Robert Rodriguez; Anthony Rogers; Andy Ross; Sheldon Rubin; Odd-Jorgen Sagdahl; Jerry Sanderson; Wolfgang Schneiter; Gary L. Smith; Robert P. Smolarek; Mike Strand; David Sundius; Hakan Sundman; William D. Swiger; James Tedford; Mike Terry; Paul B. Thomas, Jr. K2QPK; James J. Wallace; Frank Welch; Kenneth M. Yawn; Robert D. Young, Jr.; Niel Zank; and Philip Zmenkowski.

July 2014 Rockwork 4 Ocean Cliff DU-DXpedition

Exceptional New Zealand Propagation for Both Perseus-SDR and Ultralight DXing

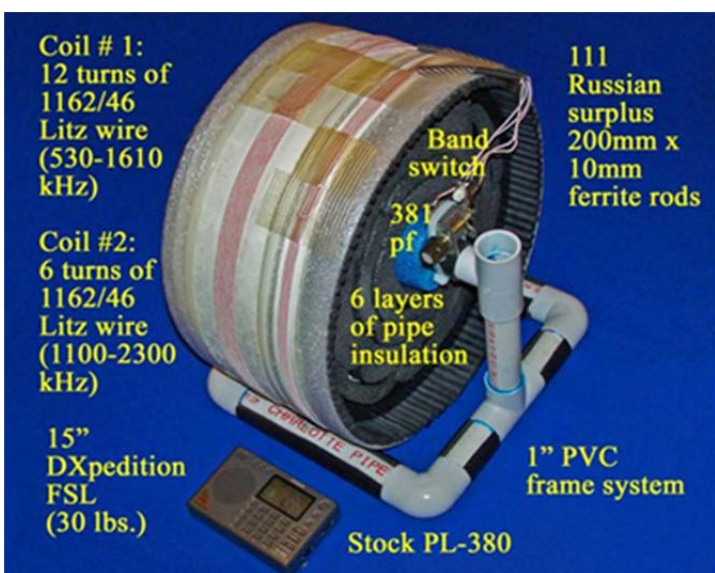
By Gary DeBock, Puyallup, WA, USA August 2014

Chuck Hutton, Seattle, WA, USA

Introduction: A wacky idea dreamed up three years ago sounded like something straight out of a science fiction novel – that an ocean cliff’s flat shape should be able to boost up transoceanic DX signals in a major way. The theory was based upon the dramatic signal boost that a DXer observes when going uphill and listening to a weak DX station’s signal on a car radio (while going away from the station). Of course, nobody had ever driven up an ocean side cliff vertically to observe this phenomena with transoceanic DX signals, and a car radio’s meager antenna wasn’t up to the job of tracking down exotic DX anyway. As a matter of fact none of the conventional DXpedition antennas could possibly fit at these extremely narrow ocean cliff sites – so the sites had all been written off by serious Transoceanic AM-DXers for decades.



In February of 2011 an antenna breakthrough started to change all of this, although nobody knew it at the time. The UK’s Graham Maynard introduced a strange-looking antenna based upon a cylindrical collection of ferrite rods wrapped by a single coil, with a tuning capacitor. Those of us in the Ultralight radio community were always eager to try out new antenna concepts, especially one which held the potential of dramatically boosting the DXing capability of our pocket radios. As such, three major experimenters began all-out testing to develop and refine high gain FSL (ferrite sleeve loop, a.k.a. financial sinkhole loop) antennas, while Graham was left with the unenviable task of defending his new antenna against the skeptics. All three major experimenters quickly discovered that this new antenna was a very serious DXing performer, although the high cost of constructing the most sensitive models made it necessary to choose design



priorities. For me, the antenna’s unique capability of providing extremely high gain, low noise reception from an extremely compact size was its breakthrough advantage – and since I was primarily a Transoceanic DXer, I dreamed of constructing high gain DXpedition models that could be set up almost anywhere along the Pacific coast – including the narrowest of the ocean cliff sites!

Fast Forward to 2014: The FSL antenna is still a specialty item because of its relatively high construction cost, but over the past three years its transoceanic DXing effectiveness at narrow ocean cliff sites has inspired local Perseus-SDR DXers to give ocean cliff propagation a try. Since traditional broadband DXpedition antennas cannot possibly fit at these narrow Highway 101 turnoffs there has been intense interest in developing a broadband version of the FSL, as well as miniature versions of directional broadband loops such as the Flag, Dave’s Tent-Pole Loop and Mark’s Micro-SuperLoop. Because the standard FSL is a high-Q tuned antenna (with a single optimized frequency), its current function is incompatible with the spectrum capture capability of popular Transoceanic DXing receivers such as the Perseus-SDR – but that has not stopped us from trying creative approaches like replacing the tuning capacitor with a Wellbrook FLG100LN-2 amplifier in an attempt to broadband the antenna. Although both the author and the local Perseus-SDR DXers have great interest in somehow adapting its capabilities to boost the DXing effectiveness of the spectrum capture receivers, the FSL antenna’s transoceanic DXing prowess with the humble PL-380 would once again be demonstrated during this July 2014 DXpedition – and by fortunate coincidence, the ocean cliff’s potent propagation boost to a modest 15’ x 15’ Flag antenna would also be demonstrated by noted Perseus-SDR DXpeditioner Chuck Hutton, who joined me at Rockwork 4 for two of the best days of New Zealand propagation.

Cultivating a Gain Monster: Three years of FSL design refinements have made it a relatively simple matter to boost the innovative antenna’s sensitivity – so long as the experimenter isn’t particularly intimidated by high cost, or heavy weight ☺ The new July 2014 15” DXpedition FSL pushed the limits in both areas, with construction materials running over \$900, and a finished

weight of 30.5 lbs (about 14 kg). Included was a new dual-coil design to boost high AM band sensitivity, new higher-sensitivity 1162/46 Litz wire, a larger (15") coil diameter and 111 Russian surplus ferrite rods (obtained from Ukrainian eBay sellers, who must now be enjoying early retirement). Although the primary challenge in constructing this monster was keeping the scandalous purchasing receipts far away from my wife, I knew that unless I was willing to drag this 30-pound beast around dark ocean cliff venues prior to sunrise all the investment would be wasted – so I found myself in the ridiculous position of taking up serious weightlifting at age 61.

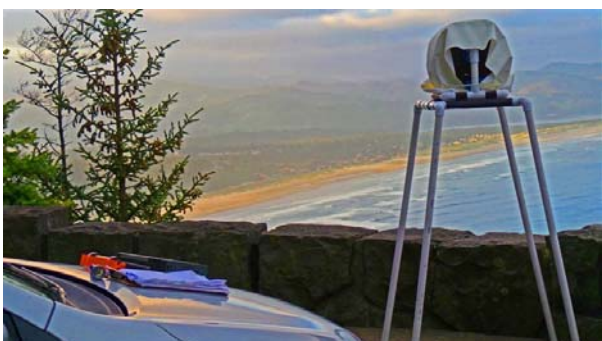
7.5" Loopstick Tecsun PL-380: As a co-founder of the Ultralight Radio Yahoo group I have been captivated by the thrill of live DXing for many years, and would once again be using a modified PL-380 for my DXpedition loggings – boosted by the new 15" FSL's inductive coupling gain. Although this \$50 radio's DSP filtering and audio fidelity are not in the same league as that of the Perseus-SDR, it is reasonably competitive in transoceanic DXing capability when assisted by the 15" FSL's "turbo boost." As a matter of fact this unusual combo would end up tracking down some New Zealand signals of exceptional strength and variety, providing some of the most thrilling experiences possible for a live DXer with a modified \$50 radio.



The general DXing routine every morning would be to keep track of several South Pacific target stations with an ICF-2010 SSB spotting receiver, checking their carrier strengths repeatedly for exceptional signals (and possible MP3 recordings). Once a suitable DU target station was found the 15" FSL antenna would be tuned to match the frequency of the ICF-2010 (a very simple process even in the dark, because of the ICF-2010's multiple LED signal strength display). Finally, the PL-380 would also be tuned to the DU target station frequency – and brought within the FSL antenna's inductive coupling range for a tremendous signal boost.

Welcome to Rockwork 4: The ocean cliff venue for this DXpedition was a narrow Highway 101 turnoff on the side of Neahkanie Mountain, located about 15 miles south of Cannon Beach, Oregon in Tillamook County (see photo at left). Since both Chuck and I had previously visited this cliff site on numerous occasions we had a fairly good idea of what to expect in the month of July – noisy traffic, fickle weather and a bizarre propagation preference for New Zealand signals. As far as a cliff-provided transoceanic signal boost, this particular Highway 101 turnoff has the most impressive drop off of all the Rockwork sites – 400 feet (122m) straight down to the Pacific Ocean below. My own plan was to set up the PL-380 + FSL antenna combo each morning from July 13-19, while Chuck planned to set up his Perseus-SDR + 15' x 15' Flag combo on July 16th and 17th. We worked out a "separate but equal" DXpedition plan where Chuck would set up at the "wide" spot of the Rockwork 4 turnoff to accommodate his 15' x 15' Flag antenna, while my Ultralight radio + FSL antenna combo would be set up 100 feet to the southeast. Neither antenna was designed to be a gain champion at sea level, but the ocean cliff's awesome propagation boost was about to give both of us an unforgettable experience – recorded on both live DXing MP3's and Perseus-SDR .wav files.

The DXpedition Starts Off With a Bang: For some unknown reason Murphy's Law seemed to take an extended vacation during this entire trip, despite the Cliff's wild reputation. As such, there were no equipment breakdowns, accidents or major mistakes during 7 mornings of all-out DXing. The first morning (July 13th) was a preview of what I could expect for most of the week – extremely twisted propagation which boosted New Zealand stations up to freakish levels while shutting down Australian stations completely. 531-PI and the relatively obscure 702-Radio Live both managed S9+ signals for several minutes each, while 603-R.Waatea and 1503-Radio Sport did the same thing briefly. About 15 other Kiwi stations managed audio at some time during the wild morning, with 738-Tahiti the only station outside of New Zealand to show up from the South Pacific. Mistakenly thinking that this



bizarre propagation was a one-time-only deal, I used some serious time chasing obscure Kiwis on 558, 576, 585, 936 and other frequencies. The Kiwi propagation was indeed excellent on that first day, but it was about to be surpassed by even more freakish conditions on July 16th and 17th (the days of Chuck's Perseus-SDR DXpedition).

The second day (July 14th) was slightly more balanced, with the really obscure Kiwis going back down into the noise. That morning featured a highly unusual appearance from the NHK1 big gun 594-JOAK (the first Asian to show up at this cliff during three summer DXpeditions) and an exceptional signal from the Australian big gun 891-5AN. Other than these the usual Maori language 2.5 kW overachiever 765-R. Kahungunu had an exceptional signal, as well as the usual blowtorch 738-Tahiti.

On the third day the propagation again shifted back to favor New Zealand in a major way, and the very obscure 585-R. Ngati Porou was just strong enough to match its programming with the 603-R.Waatea parallel signal. To my knowledge, on the west coast this ultra-weak Kiwi has only been heard at this Rockwork 4 cliff (for the first time in 2012), and only during exceptional conditions. Another obscure Kiwi started managing some audio on that morning – the 1 kW station 936-Chinese Voice. Unfortunately its signal just didn't have enough steam to make a decent MP3, but it certainly went to the top of the "Watch List." Finally, I was beginning to hear another weak station with something religious on 576, which couldn't possibly be the ABC big gun 2RN. This 2.5 kW station was another of the very obscure Kiwis which seemed to have waited for this DXpedition to show up, but the ocean cliff propagation still wasn't potent enough to record a good MP3. The situation was about to change, though – Chuck was due to arrive at Rockwork 4 the following morning – and the Kiwi propagation was about to hit a legendary level.

Chuck Hutton Arrives at Rockwork 4: As I drove up to the ocean cliff site in total darkness at 1105 UTC (0405 local time) on July 16th I noticed that Chuck had already set up his cleverly designed 15' x 15' Flag antenna on the north side of the turnoff (see photo above), and was presumably checking the band for DU signals. The Flag antenna was set up with two vertical poles supported by concrete bases, and included a pot control for F/B adjustment. The antenna's concrete base design gave it some protection against violent cliff weather, and it seemed fairly easy to set up (although maybe not quite as easy as the FSL's 2 minute routine).



After some brief conversation with Chuck I set up the FSL on its PVC base at the south side of the turnoff and began checking Kiwi signals in the total darkness. To my amazement 531-PI had already hit an S9+ level in the total darkness as early as 1114, and was holding steady at that level – something that I had never experienced in any of these DXpeditions. As Chuck and I begin to check other frequencies it became obvious to both of us that we had stumbled onto some phenomenal New Zealand propagation, with Chuck's Perseus-SDR recording all the details. With my PL-380 Ultralight + 15" FSL combo I went after the really obscure Kiwi stations on 576 and 936, and was surprised to receive fairly decent audio from both of them. In fact every New Zealand frequency that I checked had some audio, leading to a wild live-DXing search of every obscure Kiwi that I could think of. In the meantime Chuck's Perseus-SDR was making out like a bandit, recording more New Zealand stations during this one session at Rockwork 4 than he had ever experienced in any previous DXpedition session. After sunrise enhancement finished up we shared some notes on our amazing Kiwi session, and both agreed that we had hit the jackpot.

It seemed highly unlikely that such legendary propagation would be repeated for a second day, but if anything the New Zealand propagation on July 17th was even a little bit stronger. Hamilton's 576-The Word (2.5 kW) actually sounded pretty healthy in an MP3, and Chinese was also there from the 1 kW Auckland station 936-Chinese Voice. At 2.5 kW 837-RNZ was strong enough to confirm the 567 // (despite semi-local 840-KSWB) and 828-Live Sport was holding down the frequency quite well with 2 kW. Although Chuck didn't know it at the time, he had actually stumbled upon the two best days of Kiwi propagation during the entire week. As he dismantled the 15' x 15' Flag antenna after the session he probably wondered what type of wacky ionosphere could have come up with such freakish propagation.

Final Two Days: After Chuck's departure the Kiwi propagation cooled off somewhat, and other Pacific areas finally began to show up. On July 18th at 1233 I noticed a strong carrier on 558 that I presumed would be the very rare Kiwi Radio Sport (not yet heard during the DXpedition), but its fair audio turned out to be Polynesian choral music – a sure match with 558-Radio Fiji One's format. Since this is the last surviving Fiji MW outlet there was no parallel to check, but that is the only DU station on the frequency with that format. The 558 signal rose up and down out of the noise for most of sunrise enhancement, fighting it out with the SF pest on 560. The Aussie big gun 576-2RN

finally reclaimed its frequency from the obscure 2.5 kW Kiwi The Word, while big gun 891-5AN was dominant over a presumed The Breeze.

On the last day (7/19) I was fully set up by 1100 UTC in order to chase a station which is usually a pretty tough catch in Oregon...1017-A3Z in Tonga. The station has variable sign off times, but since this was late Saturday night in Tonga I figured that the chance of a late (1200 UTC) sign off might be



greater. Sure enough there it was on 1017 kHz at 1100, fighting a tough battle with splatter from the usual Spanish pest on 1020. Tonga rose in and out of the noise for about an hour, featuring the standard male announcer talking in a foreign language. I was able to record some fair-level speech and good-level interval music prior to 1200 but the Spanish pest really went on the warpath after that, ruining any chance of recording Tonga's choral music signoff (like Bill W. did so well last year, in

Grayland). Many MIA Australian stations waited until this last day to show up, although several Kiwis (like 594-NZ's Rhema and 603-R. Waatea) managed their best audio of the entire week on this last day. Finally, 531-PI again provided some excitement by blasting in with the strongest DU signal that I had ever heard (again) at 1230, upon which I decided to record a demonstration video of the 5 kW Samoan-language station's reception on the 7.5" loopstick PL-380 (assisted by the 15" FSL antenna). 531-PI cooperated very nicely for the demonstration video, even to the point of conveniently providing an English-language ID right in the middle of the video. This kind of symbolized the entire one-week DXpedition for me – everything falling into place like a dream, exceeding my expectations in every way.

Summary: Ocean cliff propagation at Rockwork 4 was the key factor in providing exceptional New Zealand results for both Chuck and me, since neither of us was using very large antennas. Relying upon ocean cliff propagation for transoceanic DXing success is an all-new concept, and certainly is a radical departure from the tradition of using huge antennas covering some serious real estate. The exceptional results obtained during this DXpedition (both for spectrum capture and live DXing) should provide ample evidence to all that the ocean cliffs do indeed enhance propagation to a remarkable degree – and that such enhancement can boost the effectiveness of modest-sized antennas far beyond expectations.

Listed below are my own South Pacific DXing results with the 7.5" loopstick PL-380 and 15" FSL antenna combo, which (like Chuck) received potent transoceanic DX signal boosts from the sheer ocean cliff. MP3 recording links for most of the receptions are listed with the loggings, and the signals which pegged the PL-380's S/N display at the 25 maximum at least once during the recording are identified with a **frequency**.

531

531 **NEW ZEALAND, PI, Auckland (5 kW). The strength of this Samoan-language NZ station over the 7 day trip was exceptional – It pegged the PL-380 S/N every morning, and always kept the Australian co-channels way down. This particular signal at 1230 on 7/19 was the strongest DU signal that I've ever heard in any ocean coast DXpedition.

<http://www.mediafire.com/listen/bpi940b1byig1eo/531-PI-1230z071914PL380.MP3>

531 **UnID Australian**. In general the Australian stations on this frequency had a very rough time breaking through the heavy 531-PI signal, but in this recording at 1233z on 7/17 there is an Australian pop music station mixing with PI at a fair level, with a female presenter giving some speech from :08 until :17 into the recording. Not too much to go with, but possibly 2PM in Kempsey, which was heard last July at this site (headphones recommended).

<http://www.mediafire.com/listen/6226aomeihz2ek9/531-UnIDAussie-1233z071714PL380.MP3>

531 **UnID Australian**. Another Aussie signal under PI's overwhelming speech at 1258 on 7/16 with possible male talk format, but this may simply be station news just prior to the TOH. Don't know if this is the same Australian station as above, or not.

<http://www.mediafire.com/listen/bbx02dq4d9aq55s/531-UnIDAussie-1258z071614PL380.MP3>

558 **FIJI**, Radio Fiji One, Suva (10 kW). A big surprise at 1233 on 7/18, this station was received for the first time in 4 years. As the last surviving Fiji MW outlet there is no parallel to check, but it's the only DU on this frequency with a Polynesian music format. Received at a fair level when South Pacific propagation was not so Kiwi-slanted.

<http://www.mediafire.com/listen/qb5t8ivirbsj7ck/558-RadioFijiOne-1233z071814PL380.MP3>

567 **NEW ZEALAND**, RNZ, Wellington (50 kW). This Kiwi big gun often hit an exceptional strength level, but it frequently had issues with 570-Seattle splatter. With music, news and interviews, it was a convenient signal to confirm reception of other RNZ stations across the band. As the strongest RNZ outlet in the network, it pegged the PL-380 S/N on most days.

<http://www.mediafire.com/listen/ei3fcu7fmpm7bs2/567-RNZ-1302z071614PL380.MP3>

576 **AUSTRALIA**, 2RN, Sydney (50 kW). MIA during much of the DXpedition, this RN network big gun finally reclaimed its usual spot over the low-powered Kiwi at 1241 on 7/18. Since The Word broadcasts Bible reading 24 hours a day, the Australian big gun was always easy to distinguish.

<http://www.mediafire.com/listen/hrf5uyuxt2d5frc/576-2RN-1241z071814PL380.MP3>

576 **NEW ZEALAND**, The Word, Hamilton (2.5 kW). Obscure, low-powered Kiwi station was a big surprise on 7/17 at 1246, with Bible reading at a fairly good level because of a completely absent 2RN. This was an apparent all-time new west coast DU logging by Chuck and I during this DXpedition, with Chuck also mentioning reception of the 1.5 kW transmitter on 540.

<http://www.mediafire.com/listen/o38siapebaec7i8/576-TheWordRadio-1246z071714PL380.MP3>

585 **NEW ZEALAND**, Radio Ngati Porou, Ruatoria (2 kW). This underperforming Maori-language station is one of the toughest Kiwis to track down, appearing only during exceptional propagation. The only way to identify it is to check its programming against late-night parallels on 603 or 765, and it's rarely strong enough to do this. Fortunately this was barely possible at 1236 on 7/15 (17 seconds each of 585 and the 603 // on the MP3)

<http://www.mediafire.com/listen/vog3me5rgar5qq3/585-R.NgatiPorou-1236z071514PL380.MP3>

585 **UnID Australian**. This fairly weak signal was definitely not //603, so it wasn't the weak Kiwi. Both male and female presenters are audible, although it's tough to dig out any detail. "Outback Radio" 585-2WEB has been heard here three times during previous DXpeditions, but ABC station 7RN in Hobart is also a possibility.

<http://www.mediafire.com/listen/sx699ey6dnss8qv/585-UnID-DU-1238z071714PL380.MP3>

594 **JAPAN**, JOAK, Tokyo (300 kW). NHK1 big gun crashed the DU-DXing party for about 5 minutes around 1213 on 7/14 before quickly being evicted by NZ's Rhema. This was the first appearance of a Japanese station in July at the Rockwork 4 cliff; no Asian had ever shown up there for 2 full July DXpeditions.

<http://www.mediafire.com/listen/dlcpdb8kr8car6h/594-JOAK-1213z071414PL380.MP3>

594 **NEW ZEALAND**, NZ's Rhema, Timaru/Wanagnui (5 kW/2 kW). This relatively low-powered Christian music broadcasting network blasted into the Cliff with this monster signal on 7/19 – the strongest that I've ever heard it. Holding strong on the frequency all week, it never allowed the Aussie big gun 3WV to manage a trace.

<http://www.mediafire.com/listen/zvag6239o66cyb9/594-NZ.Rhema-1252z071914PL380.MP3>

603 **NEW ZEALAND**, Radio Waatea, Auckland (5 kW). Maori language broadcaster plays a variety of Maori and American R & B music, and is parallel with fellow Maori broadcasters on 585 and 765 in NZ's early morning. This huge signal (with a Maori ID) showed up on the last day at the Cliff.

<http://www.mediafire.com/listen/6qo8rndrtz18st8/603-R.Waatea-1258z071914PL380.MP3>

657 **NEW ZEALAND**, Southern Star, Wellington/Tauranga (50 kW/10 kW). This Christian hymn broadcaster was a real Kiwi big gun on most mornings, although it typically had some domestic splatter issues. This potent signal was recorded during exceptional Kiwi propagation on 7/16.

<http://www.mediafire.com/listen/5zo555cfk8ulcw1/657-SouthernStar-1223z071614PL380.MP3>

675 **NEW ZEALAND**, RNZ, Christchurch (10 kW). The second strongest RNZ outlet (after 567), it features music, news and interviews. Parallel to 567, 639, 756, 837 and other RNZ network frequencies.

<http://www.mediafire.com/listen/os7e9crlg9yt6b7/675-RNZ-1259z071314PL380.MP3>

684 **NEW ZEALAND**, NZ's Rhema, Gisborne (5 kW). Usually slightly weaker than its parallel on 594, this station could also be quite potent at times with its Christian contemporary music and sermons. Here it is at 1244 on 7/14.

<http://www.mediafire.com/listen/iv16kocz86z2nau/684-NZ.Rhema-1244z071414PL380.MP3>

702 **AUSTRALIA**, 2BL, Sydney (50 kW). In contrast to the potent Kiwi Radio Live, this RN network big gun usually sounded pretty Dead. It didn't show up at all until the last day of the DXpedition, with a fair signal seemingly //774.

<http://www.mediafire.com/listen/mw14gu5m27zupz9/702-2BL-1211z071914PL380.MP3>

702 **NEW ZEALAND**, Radio Live, Auckland (10 kW). The potent signal of this obscure Kiwi station was one of the biggest surprises of the entire DXpedition. Usually buried by (or mixing with) Aussie big gun 2BL, it rode the freakish Kiwi propagation to this exceptional level on the First day of 7/13, pegging the PL-380 S/N readout for almost 3 minutes.

<http://www.mediafire.com/listen/cbfaqf6q18obfo4/702-RadioLive-1237z071314PL380.MP3>

738 **TAHITI**, Radio Premère Polynésie, Papeete (20 kW). This French-language blowtorch had no trouble pounding in each morning, completely shutting out both the Aussie big gun

- 2NR and the obscure 5 kW Kiwi, Radio Live. When it really blasted in (like with this pop music on 7/18), it could turn the tables, and throw splatter on the SF pest 740-KCBS.
<http://www.mediafire.com/listen/g0dz4j04pvnh9f9/738-RadioPolynesie-1244z071814PL380.MP3>
- 756 **NEW ZEALAND**, RNZ, Auckland (10 kW). Not one of the stronger RNZ outlets during this DXpedition, as is fairly typical of its usual performance. Proximity to the major 750-Portland pest doesn't help matters.
<http://www.mediafire.com/listen/l2ut4d6bxax1gdi/756-RNZ-1143z071714PL380.MP3>
- 765** **NEW ZEALAND**, Radio Kahungunu, Napier-Hastings (2.5 kW). The potent signals from this low-powered Maori broadcaster were nothing short of amazing. Parallel to other Maori stations on 585 and 603 during the early morning in NZ, it was almost always the strongest one of the three. It blasted in with this signal at 1217 on 7/14.
<http://www.mediafire.com/listen/3w58t5463naik50/765-R.Kahungunu-1212z071514PL380.MP3>
- 774 **AUSTRALIA**, 3LO, Melbourne (50 kW). Another Aussie big gun completely shut out until the last day of the DXpedition. Showing up at a fair level through 770-Seattle splatter, it provided an LR network parallel for a couple of other Australian stations on 7/19, right before the trip wrapped up.
<http://www.mediafire.com/listen/9nlm49brhqvr968/774-3LO-1216z071914PL380.MP3>
- 783 **NEW ZEALAND**, Access Radio, Wellington (10 kW). There were fairly good signals from this multi-ethnic Kiwi station all week long as it enjoyed a complete lack of Australian competition. This temporarily strong music was received on 7/16, one of the most favorable days for NZ propagation.
<http://www.mediafire.com/view/kx3l6fk73d7sfb2/783-AccessRadio-1311z071614PL380.MP3>
- 792 **AUSTRALIA**, 4RN, Brisbane (25 kW). Aussie big gun was MIA until the very last day (7/19), finally showing up with this fair-level female speech //576 at 1302.
<http://www.mediafire.com/listen/htpkj3w3iitcq7t/792-4RN-1302z071914PL380.MP3>
- 792 **NEW ZEALAND**, Radio Sport, Hamilton (5 kW). Dominant on the frequency almost all week, this fairly obscure Kiwi station shut out the Aussie big gun 4RN until the last day. This fair-level conversation about the WNBA on 7/15 was typical programming.
<http://www.mediafire.com/listen/4z7m6lf7ees20ds/792-RadioSport-1253z071514PL380.MP3>
- 828 **NEW ZEALAND**, Livesport, Palmerston North (2 kW). In this MP3 recorded across the 1300 TOH on 7/15 the station is apparently relaying TAB TV, as per the PAL listing. Not thought to be the ABC station 3GI because of the commercial ads ("brought to you by...") after the TOH pause.
<http://www.mediafire.com/listen/kz0a5jmky6g8eng/828-LiveSport-1300z071514PL380.MP3>
- 828 **NEW ZEALAND**, Radio Trackside, Palmerston North (2 kW). Same transmitter as above, but broadcasting horse racing at an anemic level on 7/13 at 1156 (prior to the 1200 TOH when Trackside programming wraps up).
<http://www.mediafire.com/listen/s2u0mfady16vcqa/828-R.Trackside-1156z071314PL380.MP3>
- 828 **UnID-DU**. This is almost certainly the Australian 10 kW LR network station 3GI in Sale showing up with fair-level female speech on the last day (like many other Australians), but I wasn't able to confirm the 774 //.
<http://www.mediafire.com/listen/m3la6cofgii9zon/828-UnID-DU-1306z071914PL380.MP3>
- 837 **NEW ZEALAND**, RNZ, Whangarei/Kaitaia (2.5/2 kW). This was the weakest of the RNZ relays picked up during this trip, but that wasn't surprising when it was only 3 kHz away from the semi-local 840-KSWB in Seaside. Heard //567 at 1233 on 7/17.
<http://www.mediafire.com/listen/4r8lf3a64hmn1qs/837-RNZ-1223z071714PL380.MP3>
- 855 **NEW ZEALAND**, NZ's Rhema, Hamilton (2 kW). This station was received at an anemic level twice during the DXpedition //594, but I was waiting for a better signal to record an MP3. Of course, it never cooperated.
- 891** **AUSTRALIA**, 5AN, Adelaide (50 kW). Although many Australian big guns were MIA during the DXpedition this South Australian blaster certainly wasn't one of them. This blistering signal pounded into the Cliff at 1253 on 7/14 as the LR network big gun apparently rode a different propagation path than the MIA eastern Australian stations.
<http://www.mediafire.com/listen/r2l33tmlzxnpsa5/891-5AN-1253z071414PL380.MP3>
- 936 **NEW ZEALAND**, Chinese Voice, Wauuku (1 kW). Exceptional Kiwi propagation on 7/17 finally made it possible to record Chinese from this flea-powered station. This apparently was a new Ultralight radio DXing distance record for 1 kW station reception in North America, and the first 1 kW New Zealand station I've ever received.
<http://www.mediafire.com/listen/br2t5h1q7162523/936-ChineseVoice-1204z071714PL380.MP3>
- 936 **UnID Australian**. Weak non-Chinese music showing up on the last day (7/19), one of the few days with any Australian propagation. No real identity clues, but probably one of the

10 kW Aussies on the frequency (4PB or 7ZR). The flea-power Kiwi station Chinese Voice held down the frequency (very weakly) on the other six days.

<http://www.mediafire.com/listen/acvhx8llq4aiadk/936-UnID-DU-1318z071914PL380.MP3>

963 **NEW ZEALAND**, Southern Star, Christchurch (10 kW). Usually not quite as strong as its 657 parallel, this Christian hymn broadcaster could occasionally manage good signals. Unlike previous DXpeditions there was no Australian competition all week long.

<http://www.mediafire.com/listen/gdf9n0mun1zrheq/963-SouthernStar-1309z071514PL380.MP3>

1008 **NEW ZEALAND**, Newstalk ZB, Tauranga (10 kW). This Kiwi news station had a decent signal on most days but didn't benefit from a blasting domestic pest on 1010. For some unknown reason its 1035 // was MIA despite several searches during good Kiwi propagation.

<http://www.mediafire.com/listen/ihx44a7epi7o2uu/1008-NewstalkZB-1303z071814PL380.MP3>

1017 **NEW ZEALAND**, Radio Sport/Newstalk ZB, Christchurch (2.5 kW). This was the best signal that I've ever heard from this low-powered Kiwi station, with good level male conversation and a female commercial ("right here in New Zealand") on the last day of the DXpedition at 1241.

<http://www.mediafire.com/listen/ftuh8lufktz38ta/1017-R.Sport-NewstalkZB-1241z071914PL380.MP3>

1017 **TONGA**, A3Z, Nuku'alofa (10 kW). This somewhat obscure DU waited until the last day of the DXpedition before showing up before a late sign off, but a Spanish pest on 1020 made reception a little dicey. The usual foreign-language male speaker rose up out of the 1020 splatter at a fair level at 1154 on 7/19 (headphones recommended), occasionally speaking "island-style" (bizarre pauses between sentences).

<http://www.mediafire.com/listen/el5z3pufpapaf3n/1017-A3Z-1154z071914PL380.MP3>

The station returned with good-level interval music and the same male speaker at 1158 before the 1020 Spanish pest reclaimed the frequency – ruining hopes of a vibrant sign-off recording.

<http://www.mediafire.com/listen/apvnigvqwyg0vin/1017-A3Z-1158z071914PL380.MP3>

1116 AUSTRALIA, 4BC, Brisbane (16/7.3 kW). This eastern Oz commercial big gun managed pretty potent signals but had the misfortune of being only 4 kHz away from the 50 kW Oregon pest KPNW. Despite this it was one of the few Aussies to provide decent signals each morning and certainly worthy of a "Top Ten" spot of the strongest DU signals throughout the DXpedition.

<http://www.mediafire.com/listen/xsxewoew3ah7rou/1116-4BC-1251z071614PL380.MP3>

1386 **NEW ZEALAND**, Radio Tarana, Auckland (10 kW). Female-voiced Hindu music at a good level from this ethnic station at 1311 on 7/19 (the last day of the DXpedition). This signal (and other high-band DU's) got a serious boost from the new FSL's dual coil tuning system.

<http://www.mediafire.com/listen/yq91aqyr2upm943/1386-R.Tarana-1311z071914PL380.MP3>

1503 **NEW ZEALAND**, Radio Sport, Wellington (5 kW). The strongest signal that I've ever received from this high band Kiwi station was heard at 1248 on 7/13, with a female-voiced "I want some sports." Unlike Chuck, I ran out of live DXing time to make a serious investigation of the high band frequencies, although many good signals were around.

<http://www.mediafire.com/listen/q8dnvd2uwqxvz5b/1503-R.Sport-1248z071314PL380.MP3>

ADDITIONAL RESOURCES

For those interested, a July 2014 Rockwork 4 DXpedition video has been posted at <http://www.youtube.com/watch?v=lNSSJIVV6Zg>, and an "Apples and Oranges" DXpedition video showing Chuck's listening setup and mine is posted at <http://www.youtube.com/watch?v=tAZaY8b4Eec>. Finally, a demonstration video of the reception of the 5 kW Kiwi station 531-PI on the modified PL-380 at the ocean cliff site just after sunrise on July 19th has been posted at <http://www.youtube.com/watch?v=ITBJ31cEAH0>.

LOGGINGS AND SUMMARY FROM CHUCK HUTTON

The sheer quantity of New Zealand logs (87) was higher (way!) than any previous DXpedition, as the previous high for me was 62 Kiwis.

Of special interest: 1305 Radio Dunedin, 1359 More FM, 1431 Kidnappers Radio, 540 Rhema and 900 Southern Star.

All was heard on a 15' x 15' flag on a 252 degree (true north) axis with an 11 dB preamp feeding a Perseus receiver.

My New Zealand totals for Rockworks 2014:

- 87 frequencies heard in total, 1 maybe (1602), 1 not likely (540). There are 4 frequencies that have 2 transmitters with the same program and powers that are in the same range. If you wish to count "stations," there were likely 91 heard.

- 26 unheard from North Island.
 - 23 unheard from South Island.
- 531 **NEW ZEALAND**, PI, Auckland. One of the best signals on the band 1241-1246 7/16 with Maori talk and religious music.
- 540 **NEW ZEALAND**, Radio Rhema, New Plymouth/Tauranga. //801 at 1231 7/16. //684 at 1241 and 1251 7/17.
- 540 **NEW ZEALAND**, The Word, Christchurch. Maybe/maybe not: 1240 and 1243 7/17 poor man with religious talk. So poor that I could not catch any words. The problem is that the voice also sounds similar to Rhema. While I think it is //576, I'm not completely sure. Listed as daytime only so needs verification anyhow that they are on at night.
- 549 **NEW ZEALAND**, NZ's Rhema, Kaitaia. 1244 7/17 poor, //684.
- 550 **HAWAII**, KNUI, Wailuku. Fair 1246 7/17 with Maui ads.
- 558 **FIJI?** 1247 7/17 woman talking in non-English, poor level.
- 558 **UNID**. 1200 7/17 poor with 3+1 pips. Aside from RNZ and Newstalk ZB, I don't know of any DU still using pips. Maybe a trace of South Korea?
- 567 **NEW ZEALAND**, Radio New Zealand, Wellington. 1244 and 1247 7/17 peaking at more than a fair level.
- 570 **HAWAII**, KQNG, Lihue. Fair with KONG 93.5 and AM 570 ID's 1302 7/16.
- 576 **NEW ZEALAND**, The Word, Hamilton. 1245 7/16 mention of a cathedral. 1245 7/17 man with sermon. Always poor level.
- 576 **UNID**. 1200 7/16 with 5+1 pips. Possibly ABC.
- 585 **AUSTRALIA**, 7RN, Hobart, ABC National. Assumed as the //621 1238 7/16.
- 590 **HAWAII**, KSSK, Honolulu. Fair pop music and AM-FM ID 1243:53 7/17.
- 594 **NEW ZEALAND**, NZ's Rhema, Timaru/Wanganui. 1241 7/17 poor, //684.
- 603 **NEW ZEALAND**, Radio Waatea, Manukau. Not quite fair 1240-1250 7/16 with island song and man in assumed Samoan.
- 612 **AUSTRALIA**, 4QR, Brisbane, ABC Brisbane. Fair 1240 7/17.
- 639 **NEW ZEALAND**, RNZ, Alexandra. 1243 7/17 poor but understandable, //567.
- 639 **UNID**. 1227 7/16 with Judy Collins' "Send In The Clowns." //891, which means it is not NZ. 891 is ABC Adelaide and 639 is ABC National, ABC Far North and ABC North and West. Which is it?
- 650 **HAWAII**, KPRP, Honolulu, Pinoy Power Radio. Good with Philippine pop music and kid giving full ID.
- 657 **NEW ZEALAND**, Southern Star, Wellington/Tauranga. 1247 7/16 fair or better.
- 670 **HAWAII**, KPUA, Hilo. Good with ID 1259:58 7/16. Good 1232 7/17 with Wall Street Journal.
- 675 **NEW ZEALAND**, RNZ, Christchurch. Fair 1238-1240 7/16.
- 684 **NEW ZEALAND**, Radio Rhema, Gisborne. 1237-1240 7/16 and usually there for use as a parallel.
- 690 **HAWAII**, KPUA, Hilo. Good with ID 1259:58 7/16. Good 1232 7/17 with Wall Street Journal.
- 693 **NEW ZEALAND**, Radio Sport, Dunedin. Poor but //1503 with a few words at 1243 7/17.
- 702 **NEW ZEALAND**, Livesport, Auckland. Fair 1240 7/17 with Radio Live ID. Had numerous peaks above a fair level at other times and was perhaps the best NZ station of all.
- 720 **HAWAII**, KUAI, Eleele. 1245:10 7/17 good with "KUAI Country" ID. Often dominant at sunrise after Nevada fades down.
- 729 **NEW ZEALAND**, RNZ, Tokoroa. 1257 7/16 poor //675. Would have been better but IBOC was making a mess.
- 738 **NEW ZEALAND**, Livesport, Christchurch. 1257 7/16 poor but I could get a //702.
- 740 **HAWAII**, KCIK, Kihei. New station 7/16 1257 good EWTN ID, 1259 poor Immaculate Heart Radio ID.
- 756 **NEW ZEALAND**, RNZ, Auckland. Poor 1228 7/16, //675.
- 760 **HAWAII**, KGU, Honolulu. 1300 7/16 good TOH ID.
- 765 **NEW ZEALAND**, Radio Kahungunu, Napier-Hastings. Fair with island music 1238 7/17.
- 774 **NEW ZEALAND**, Radio Sport, New Plymouth. 1240 7/17, //1503 and poor.
- 783 **NEW ZEALAND**, Access Radio, Wellington. 1243 and 1247 talk. They should have BBCWS but it does not seem parallel to 1575. Looking at Access Radio's site, there is no listing for BBCWS.
- 792 **NEW ZEALAND**, Radio Sport, Hamilton. 1300-1301 7/16 poor, //1503 and mixing with Australia.
- 801 **NEW ZEALAND**, NZ's Rhema, Nelson. Just better than poor 1231 7/16, //684.
- 819 **NEW ZEALAND**, RNZ, Tauranga. 1236 7/16 poor+ and //567, 675, etc.

- 828 **NEW ZEALAND**, Radio Trackside, Palmerton North. Poor 1300 7/16. Also 1234 7/17 fair or better with horse news //1476.
- 830 **HAWAII**, KHVH, Honolulu. 1259:55 7/16 fair "Newsradio 830 KHVH" ID.
- 837 **NEW ZEALAND**, RNZ, Kaitaia/Whangarei. 1245 7/16 a bit better than poor, //675.
- 846 **NEW ZEALAND**, Newstalk ZB, Masterton. From 1245:48-1246:10 poor man and woman but just enough to get a parallel. Lucky me.
- 850 **HAWAII**, KHLO, Hilo. Assumed with ESPN IDs at 1302:18 7/16 plus 1257 and 1302 7/17. 10 second pauses for local ID were left blank.
- 855 **NEW ZEALAND**, NZ's Rhema, Hamilton. 1250:40-1252:15 man and woman //684.
- 864 **NEW ZEALAND**, Newstalk ZB, Invercargill. 1231 7/17 poor with man //1035.
- 882 **NEW ZEALAND**, Southern Star, Auckland. 1231 7/16 fair.
- 891 **NEW ZEALAND**, The Breeze, Wellington. 1243 7/17 with Tracy Chapman under 4TAB.
- 891 **UNID**. Fair 1231 7/16 with "Send In The Clowns" //639. //891, which means it is not NZ. 891 is ABC Adelaide and 639 is ABC National, ABC Far North and ABC North and West. Which is it?
- 900 **HAWAII**, KMVI, Kahului. 1300 7/16 good TOH ID.
- 900 **NEW ZEALAND**, Southern Star, Dunedin. 1231-1232 7/16 poor "Joyful Joyful We Adore Thee" //909. Dunedin is never expected as it is at the bottom of the South Island.
- 909 **NEW ZEALAND**, Southern Star, Napier. 1231 7/16 fair.
- 918 **NEW ZEALAND**, RNZ, New Plymouth/Timaru. 1300 7/17 poor+ with RNZ pips and news.
- 927 **NEW ZEALAND**, Newstalk ZB, Palmerston North. 1243 7/16 poor with a few words //1035. 1252 7/17 poor+ and //1017.
- 936 **NEW ZEALAND**, Chinese Voice, Waiuku. 1258 7/16 poor-fair Chinese talk. 1250 7/17 almost fair with Chinese music and talk.
- 940 **HAWAII**, KKNE, Waipahu. With good ID 1240 7/17.
- 954 **NEW ZEALAND**, Coast, Dunedin. 1242 7/17 assumed the source of "All By Myself" followed by smooth pop music. No parallels available.
- 954 **NEW ZEALAND**, Radio Trackside, Hamilton. Poor with a man talking, //1476 1236 7/16.
- 963 **NEW ZEALAND**, Southern Star, Christchurch. 1231 7/16 almost fair with "Joyful Joyful We Adore Thee."
- 972 **NEW ZEALAND**, NZ's Rhema, Wellington. Poor, //684.
- 981 **NEW ZEALAND**, RNZ, Kaikohe. Mixing with Southern Star, poor 1253 7/17.
- 981 **NEW ZEALAND**, Southern Star, Timaru. 1238 7/16 poor, //909.
- 990 **HAWAII**, KIKI, Honolulu. 1231:50 KIKI ID almost at good level.
- 1008 **NEW ZEALAND**, Newstalk ZB, Tauranga. Almost fair 1228 7/16.
- 1017 **NEW ZEALAND**, Christchurch. Listed as Sport but definitely Newstalk 1228 7/16, parallel to the other Newstalk outlets (1008, 1026, 1035).
- 1026 **NEW ZEALAND**, Newstalk ZB, Kaitaia/Whangarei. 1244 7/16 clear echo with programming //1008.
- 1035 **NEW ZEALAND**, Newstalk ZB, Wellington. //1008, 1017 and 1026 1228 7/16.
- 1040 **HAWAII**, KLHT, Honolulu. Dominant and alone 1231 7/17 with sermon.
- 1044 **NEW ZEALAND**, Newstalk ZB, Dunedin. 1226 7/16 poor, //1008.
- 1053 **NEW ZEALAND**, Newstalk ZB, New Plymouth. Very poor 1226 7/16, //1008 with difficulty due to IBOC.
- 1071 **NEW ZEALAND**, Radio Trackside, Ashburton. 1243 7/16 poor disco type music //828. 1246 7/17 poor with man talking //1476.
- 1071 **NEW ZEALAND**, RNZ, Masterton. Poor 1300 7/17 with RNZ pips.
- 1089 **NEW ZEALAND**, Radio Sport, Palmerston North. 1231 7/16 very poor, //1503.
- 1098 **NEW ZEALAND**, Newstalk ZB, Christchurch. Almost fair with talk //1008.
- 1107 **NEW ZEALAND**, Livesport, Tauranga. 1250-1252 7/16 fair, //702.
- 1110t **HAWAII**, KAOI, Kihei. 1243 7/17 fair news program but no ID heard.
- 1116 **NEW ZEALAND**, RNZ, Nelson. 1255 7/17 mixing with Australia, poor-fair.
- 1125 **NEW ZEALAND**, Radio Sport, Napier-Hastings. 1246 7/17 poor-fair with talk //1503.
- 1143 **NEW ZEALAND**, RNZ, Hamilton. 1245 7/16 poor, //567.
- 1152 **NEW ZEALAND**, Newstalk ZB, Timaru. 1248 7/17 poor, //1017.
- 1161 **NEW ZEALAND**, Te Reo Irirangi o te Upoko o te Ika, Wellington. 1246-1247 7/17 a bit better than poor with assumed Maori talk and music.
- 1179 **NEW ZEALAND**, Radio Ake, Auckland. 1240 7/17 at least fair with r&b.
- 1188 **NEW ZEALAND**, RNZ, Rotorua. 1229-1230 7/16 poor man and woman //675, but what do you expect from 400 Watts?
- 1197 **NEW ZEALAND**, Newstalk ZB, Wanganui. 1243 7/17 poor, //1008.
- 1206 **NEW ZEALAND**, Radio Trackside, Dunedin. 1234 7/16 talk //1476.

- 1215 NEW ZEALAND, Newstalk ZB, Kaikohe. //1008, not quite fair at 1238 7/16.
- 1224 NEW ZEALAND, Radio Trackside, Invercargill. Poor 1236 7/16 with a man //1476. The very southern tip of the South Island.
- 1233 NEW ZEALAND, RadioLive, Wellington. 1242-147 7/15 just faint whispers seemingly //702.
- 1242 NEW ZEALAND, Radio Trackside, Timaru. Very poor 1242 7/16, could be //1476.
- 1251 NEW ZEALAND, NZ's Rhema, Auckland. Not quite fair at 1234 and 1239 7/16.
- 1278 NEW ZEALAND, Newstalk ZB, Napier-Hastings. Fair and //1035 at 1243 7/16.
- 1287 NEW ZEALAND, Newstalk ZB, Greymouth. 1228 7/16 poor, //1035.
- 1296 NEW ZEALAND, Newstalk ZB, Hamilton. Fair 1253 7/16 //1035.
- 1305 NEW ZEALAND, Radio Dunedin, Dunedin. 1251 7/16 fair music and ID. A complete surprise.
- 1314 NEW ZEALAND, RNZ, Gisborne. 1234-1235 and 1242-1243 poor, //675 and 567 respectively.
- 1323 NEW ZEALAND, Newstalk ZB, Hawera. 1226 7/16 poor, //1035.
- 1332 NEW ZEALAND, Radio Sport, Auckland. 1250 and 1254 7/16 fair.
- 1341 NEW ZEALAND, Newstalk ZB, Nelson. 1253 7/16 poor but //1008.
- 1359 NEW ZEALAND, More FM, Queenstown. Fair 1251 7/16 with Gary Puckett song and More FM ID. It and 1305 were the big surprises.
- 1368 NEW ZEALAND, Livesport, Napier-Hastings. 1251 and 1253 poor, //702. A little better at 1251:57 and 1253.
- 1377 NEW ZEALAND, Radio Sport, Levin. 1249-1250 poor man //1503.
- 1386 NEW ZEALAND, Radio Tarana, Auckland. 1245-1246 fair Indian music.
- 1404 NEW ZEALAND, NZ'a Rhema, Invercargill. 1251 7/16 poor with a few words //549 and also at 1253.
- 1413 NEW ZEALAND, Newstalk ZB, Tokoroa. 1246:29 7/16 2 words (and no more) could be //1026.
- 1420 HAWAII, KKEA, Honolulu. Seemingly the station with a fair ESPN ID 1238:38.
- 1431 NEW ZEALAND, Radio Kidnappers, Hastings-Napier. 7/16 1239-1301 pop and country music mixed. At 1300 there was 30 seconds of talk and then back to music. No way this can be ABC with no news and little or no talk between songs. The format matches Kidnapper's overnight format.
- 1449 NEW ZEALAND, RNZ, Palmerston North. 1239 7/16 poor, //675.
- 1458 NEW ZEALAND, RNZ, Westport. 1253 7/16 fair talk //675.
- 1476 NEW ZEALAND, Radio Trackside, Auckland. 1228 7/16 almost fair with sports coverage – seems rugby.
- 1485 NEW ZEALAND, Radio Trackside, Gisborne. 1254 7/16 in USB only very poor music //1476.
- 1494 NEW ZEALAND, Southern Star, Hamilton. Poor and //963 1237 7/16.
- 1500 HAWAII, KHKA, Honolulu. 1259:51 7/17 good, totally owning channel with TOH ID. Best ever.
- 1503 NEW ZEALAND, Radio Sport, Wellington. Almost fair at 1229 7/16.
- 1540 HAWAII, KREA, Honolulu. 7/16 1300:34 p interval signal of Korea's MBC network.
- 1570 HAWAII, KUAU, Haiku. Good, way on top with ID 7/17 1258:22.
- 1575 NEW ZEALAND, Otago Access Radio, Dunedin. Poor 1226-1246 7/16 with man and woman giving news in a style that sounds like BBCWS. Also 7/17 1242. Native New Zealander Theo Donnelly also believes this is BBCWS. OAR's website confirms that they carry BBCWS.
- 1602 NEW ZEALAND. Maybe... 2XA, Radio Reading Service, Levin with woman almost at fair level but could not get content 1237 7/16.

IRCA TIS/HAR List Now Available: The *IRCA TIS/HAR List* complies all U.S. and Canadian TIS/HAR stations, by frequency, including call letters, state/province, city, county, licensee, address, coordinates, expiration date, and dates of *DX Monitor/DX News* or *DXer* reports, and online listings through August 1, 2014.

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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.

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Hello all and Dave! Around 7 weeks ago perfectly coinciding with my week off, I spent an excitingly paced 5 days traveling in a roundabout way to attend the 21st MAD Madison Milwaukee(Area DXers) GTG on Saturday August 16th! As Badgers(Wisconsin), Brewers, and Packers' fans, Bill and Nina Dvorak welcomed 53 people to this event at their home! Spending devoted time prepping, with name tags, gifts, and arranged demonstrations among duties, their admirable tasks were staging half of this in their garage and the other half outside! Even retired engineer Stan Broome, K9AYL, along with help from 2 friends demonstrated 40 of his Hallicrafter receivers! 7 radio clubs also participated! Some of the 10 NRC DXAS members included Ernie Wesolowski, Rick Dau, Frank Merrill, George Greene, GTG cohost in Milwaukee Tim Noonan, Bill and myself. So let's say a good time had by all hopefully writing a more comprehensive review. Why in essence, this was NRC Madison 2014!

Traveling to and from Madison resulted also in prearranged station visits to the middle of Illinois, Madison, and Wisconsin. From Wednesday August 13 to Sunday the 17th, I toured ten operations while 3 only resulted in photo stops. Those included from Champaign/Urbana, University of Illinois Media and WILL-580, WDWS-1400, WBCP-1580, and the FM stations for the Saga Communications Group, to Decatur's WDW-1050 and WSOY-1340, and Clinton's WHOW-1520. Stuck in the middle on Thursday the 14th with Bill, brother in law Gary and family was attending the Cub Brewer game in Wrigley Field while listening to WGN, their final year as the Cubs flagship! On Friday the 15th I spent the day traversing the beautiful city of Madison visiting Wisconsin Public Radio's WHA-970 and their 2 FMs, the Clear Channel group including WTSO-1070 and WIBA-1310, and the MidWest Family group including WHIT-1550 and WOZN-1670 for which through my tour guide, GM Rick McCoy, I latered received a letter verification from CE John Bauer! On Sunday the 17th's return home, I only photographed WCLO-1230 Janesville, WI and WJBC-1230 Bloomington, IL while visiting WGEZ-1490 Beloit, WI and the LaSalle County Broadcasting Group that included WLPO (LaSalle Peru Ogelsby)-1220 in Illinois. Only 1634 kHz or 1,634 miles! Again, I hope to report more soon. Happy DXing in the fall y'all! 73s.

Pro Sports Networks

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Notes (continued from last issue)

a – The Oakland Raiders' games will be on 98.5 KFOX-CA in August, KFOX and 102.9 KBLX-CA in September, and 95.7 KGMZ-CA or KFOX/KBLX in October.

b – The Falcons' list has "WJBG ---- Dublin," and I cannot find the frequency of that station.

c – The Panthers' list again has "Asheboro N.C. Cable Channel 8," and I have no idea what this station is.

d – Day games only

e – The Bears' list has "*WCIL-AM," and the page does not give the meaning of the asterisk.

f – The Browns' list has 92.3 WKRK-OH. A Google search shows that and 1230 WKRK-NC.

g – The Broncos' list has "KKFNZ/1320 - Salt Lake City." 1320 has call KFAN.

h – The Redskins' list has for three stations "in case of conflicts."

p – Oakland Raiders and San Diego Chargers

q – Carolina Panthers and Washington Redskins

r – Tampa Bay Buccaneers and Miami Dolphins and Jacksonville Jaguars

t – New England Patriots and New York Giants

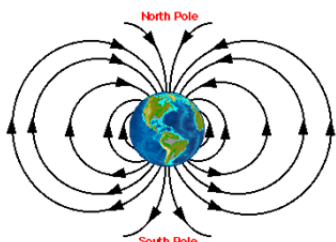
u – Atlanta Falcons and Jacksonville Jaguars

v – Denver Broncos and Washington Redskins

w – Oakland Raiders and San Francisco Giants

x – Tampa Bay Buccaneers and Jacksonville Jaguars

y – Houston Texans and Washington Redskins



Geomagnetic Indices

Geomagnetic Summary August 2014

Via Phil Bytheway – Tabulated from email status daily.

Date	Flux	A	K	Space Weather	8/16	112	3	1	no storms
8/ 1	168	10	4	minor, R1	17	115	7	2	no storms
2	156	11	2	no storms	18	111	5	1	no storms
3	152	7	2	no storms	19	111	16	6	moderate, G2
4	139	12	3	no storms	20	118	6	2	no storms
5	139	10	2	no storms	21	128	10	2	minor, R1
6	137	7	1	no storms	22	126	4	1	minor, R1
7	136	6	2	no storms	23	132	5	1	no storms
8	123	8	1	no storms	24	141	4	1	moderate, R2
9	113	4	0	no storms	25	135	4	1	minor, R1
10	108	9	2	no storms	26	128	4	1	no storms
11	105	7	3	no storms	27	123	20	4	no storms
12	104	12	4	no storms	28	119	21	2	minor, G1
13	103	6	1	no storms	29	120	20	4	minor, G1
14	103	4	2	no storms	30	123	15	2	no storms
15	113	5	1	no storms	8/31	125	15	4	no storms

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

NOAA Space Weather Outlook

Issued September 22, 2014 – For the period September 22-October 18, 2014

Solar activity is expected to be at predominately low levels with a chance for M-class activity and a slight chance for X-class activity through the outlook period. Regions currently on the disk with the potential for major activity include Regions 2171 and 2172. Old Regions 2155 (S19, L=110), 2157 (S15, L=099) and 2158 (N16, L=089), producers of M and X-class activity on their previous transit, are all due to return on or about 28-29 September.

No proton events are expected at geosynchronous orbit in the absence of major solar activity.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be normal to moderate levels through 25 September. Moderate to high levels are expected from 26 September to 03 October followed by a return to mostly normal levels through 18 October.

Geomagnetic field activity is expected to be at predominately quiet levels through the outlook period. Quiet to unsettled levels are expected on 23-24 September due to a solar sector boundary crossing followed by a co-rotating interaction region. Activity levels are expected to increase to unsettled to active from 25-30 September due to a series of positive polarity, equatorial CH HSSs. Unsettled to active levels are expected on 15-17 October due to a negative polarity CH HSS.

(<http://www.swpc.noaa.gov/ftpdir/weekly/WKHF.txt>)



THE DX TIME MACHINE

75 Years Ago - From the October 9, 1939 *DX News*: The FCC granted many 100-watt stations (on what today we call the graveyard channels) power increases to 250 watts; WMCA New York is in trouble for illegal broadcasts of war news; the SW broadcast schedule for SPW Warsaw, TPB Paris, 2RO Rome, DJD Berlin, GSD London, RAN Moscow, and HAT Budapest was given.

50 Years Ago – From the October 3, 1964 *DX News*: Ben Dangerfield (Chester, PA) and Ernie Cooper (Brooklyn, NY) reported hearing Radio Caroline on 1495 and 1520 kHz. Ben said that the week of excellent DX cushioned the blow of the Phillies' late-season collapse for him.

25 Years Ago – From the October 9, 1989 *DX News*: The Topeka *Capital-Journal* published a lengthy article, with pictures, about the NRC Convention in Topeka; the Beverage DXpedition at the convention resulted in logs from Colombia, Cuba, Jamaica, Mexico, and domestics.

10 Years Ago – From the October 6, 2004 *DX News*: John Malicky reported on the 2004 NRC Convention at Batavia, New York, held to mark the 40th anniversary of the 1964 Buffalo convention at which Ray Edge retired as NRC publisher and served as host.

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