

# DX News

Serving DXers since 1933



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**IRCA – NRC – DecaloMania Joint Convention 2017** – Yes, we will be having another joint convention this year! In Reno!

The dates are Thursday, August 17 through Saturday, August 19, checking out Sunday, August 20. The location will be the Best Western Airport Plaza Hotel, 1981 Terminal Way, Reno NV 89502.

For hotel reservations – call (775) 348-6371 and request the International Radio Club of America room rate of \$100/night (plus tax). Major credit cards accepted. Registration fee (not including the banquet) is \$25 payable to Mike Sanburn, P.O. Box 1256, Bellflower, CA 90707-1256, or by PayPal (add \$1 fee) to [mikesanburn@hotmail.com](mailto:mikesanburn@hotmail.com). Include contact info and club affiliations.

Airlines serving Reno include Alaska, Allegiant, American, Delta, JetBlue, Southwest, United, and Volaris. Amtrak passenger train service is also available.

Information on activities, banquet, and station tours will be announced shortly.

### Volume 84 DX News Schedule

No	D'dline	Print	16	May 26	June 5
12	Feb. 24	Mar. 6	17	June 23	July 3
13	Mar. 17	Mar. 27	18	July 21	July 31
14	Apr. 7	Apr. 17	19	Aug. 18	Aug. 28
15	Apr. 28	May 8	20	Sept. 8	Sept. 18

**From the Publisher:** Just one more biweekly issue left for this DX season, to be followed by

### 37th Edition of the National Radio Club's AM Radio Log

The *AM Radio Log* is a source for information on AM radio stations in the United States and Canada. The 37th edition of the Log contains 300 pages of data and cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched, U.S. looseleaf format. This publication fits nicely into a 1" three-ring binder. 9,000+ updates since last year's 36th Edition of the log! New for this year is a cross reference by State/Province in frequency order. This list is ideal for targeting needed areas. Additional reference lists include call letters of FM simulcasts with the AM Stations listing, listings of regional groups of stations in the groups section (separate section of the log book), 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 <http://www.nrcdxas.org>. Prices are: to U.S. addresses by Priority Mail, \$26.95 for NRC members, \$30.95 for nonmembers; to Canada US\$39.25 by Global Priority Mail; outside North America US\$49.75 by Global Priority Mail.

three triweekly issues. Be sure to check the schedule to your left (DXN deadline is Friday 2400 ELT on the date shown).

### Membership Report

"Not as retired as I used to be, but enjoy reading *DX News* cover to cover. Thanks to the many volunteers." – Ray Arruda.

"Dear NRC, Thanks for working hard so we can have *DX News*." – Don Vincent.

"I'm happy to renew for my 25th year with the NRC" – Stan Weisbeck.

"Thank everyone for all they do and for keeping our hobby vibrant and alive!" – Stephanie Battaglino.

"Time has sped by! Time to renew again. Thanks to you folks for putting *DX News* together – It's a lot of work! I think I've been a member for 37 years – since Jim Guthrie 'recruited' me!" – Tony Fitz

**New Members:** Welcome to Ray Jacobs, Enola, PA; James Webster, Minnetonka, MN; and Xi Yang, New York, NY.

**Renewing Members:** Thanks for the ongoing support of Ray Arruda; Stephanie Battaglino; Walt Breville; Henry Byra; Mike Cooper; Anthony K. Fitzherbert; Vincent Henley; Dan Hromadka; Robert N. La Vigne; Jefferson E Lewis; Mauricio Molano; Forest Osborn; Denis Picard; David W. Schmidt; Randal Schulze; Edward J. Semrad; Jeffrey Steffes; Paul Swearingen; Don Vincent; Jonathan Watson; and Stan Weisbeck.

# AM Switch

David Yocis, 9412 Ferry Landing Ct., Alexandria VA 22309, [NRCDXNews@gmail.com](mailto:NRCDXNews@gmail.com)  
 Canadian info – Compiled by Shawn Axelrod and Dan Sys  
 NRC AM Log updates from Wayne Heinen, [amradiolog@nrcdxas.org](mailto:amradiolog@nrcdxas.org)

## *Official updates from the FCC and the CRTC*

### CALL CHANGES

- 920 KPSI CA Palm Springs – Call change to KKGX (Feb. 2; station is silent).  
 1340 KYWL MT Evergreen – Call change to KQDE (Feb. 1).  
 1440 WPRS IL Paris – Call change to WBOW (Feb. 6).  
 1600 WHNP MA East Longmeadow – Call change to WLZX (Feb. 2).

### STATIONS GOING DARK

- 1530 WDJZ CT Bridgeport – License cancelled Feb. 2; silent more than one year.

### CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 780 WIIN MS Ridgeland – CP for D1 4400, diplexing with WSFZ-930, is on the air.  
 930 WSFZ MS Jackson – CP for U1 3700/60 is on the air.  
 WKY OK Oklahoma City – CP for U1 5000/510 is on the air.  
 1040 WZSK PA Everett – CP for D1 2500 is on the air.  
 1310 WTTL KY Madisonville – CP for U1 1500/40 is on the air.  
 1380 WKDM NY New York – CP for U4 5000/13000 is on the air.  
 1490 KGBA CA Heber – CP for U1 1000/1000 is on the air.  
 1580 WIOL GA Columbus – CP for U1 2100/45 at new site (32-27-07/84-58-25) is on the air.  
 1700 KKLf TX Richardson – CP to consolidate operations at night site (33-07-17/96-34-55) is on the air.



CPs built, awaiting final licensing:

- 1460 KLTC ND Dickinson – Granted program test authority for CP to U2 5000/770.

CPs granted:

- 1060 KBFL MO Springfield – Granted CP for U1 2500/19.  
 1300 WIBR LA Baton Rouge – Granted CP for U4 2000/500.  
 1330 KYOZ WA Spokane – Granted CP for U1 5000/23; diplexed with KTTO-970.  
 1430 KBRK SD Brookings – Granted CP to adjust tower height.  
 1450 KCTI TX Gonzales – Granted CP for U1 1000/1000.  
 1580 WVZN PA Columbia – Granted CP to move to STA site (40-01-31/76-28-31).

CP applications received:

- 980 WGWM KY London – Applies for U1 300/17 on 990 kHz, moving to Winchester KY and former WWKY-1380 site at 38-00-46/84-09-40.  
 1180 WLDS IL Jacksonville – Applies for U1 1000/2, correcting coords to 39-44-04/90-11-50.  
 1250 KKDZ WA Seattle – Applies for U2 5000/3600, moving night site to 47-35-29/122-10-56, will continue to use day power/site from 0300-LSS due to share-time arrangement with KWSU.  
 1330 WENA PR Yauco – Applies for U3 1500/1500, moving to 18-01-16/66-51-52.

### SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 580 WKAQ PR San Juan – Granted STA with U1 4500/4500.  
 910 WSBA PA York – Granted STA to operate without an antenna monitor.  
 1050 KORE OR Springfield-Eugene – Granted STA, U1 1500/105, newly on-air CP is causing QRM to KSCR-1320 when run at full 5 kW day power.  
 1120 KLIM CO Limon – Granted STA with D1 10, Morad Electronics SF-530 antenna at 39-15-56/103-41-57.  
 1410 KLFD MN Litchfield – Granted STA with temporary antenna tuning unit.  
 1490 WSVM NC Valdese – Granted STA with U1 500/500, longwire at 35-44-17/81-33-26.  
 1550 WNZF FL Bunnell – Granted STA with U1 1000/57, main transmitter failure.

## STA applications received:

- 980 KMBZ MO **Kansas City** – Applies for STA with U1 5000/1250 from CP site.  
 1250 KBRF MN **Fergus Falls** – Applies for STA with parameters at variance during FM translator diplexing.  
 1330 WITM VA **Marion** – Applies for STA with U1 30/30 from temporary longwire at 36-51-23/81-30-19; has lost licensed site.

## Extensions of STAs granted:

- 630 KIDD CA **Monterey** – Granted STA extension, U1 300/250 from KNRV-1240 tower.  
 760 KFMB CA **San Diego** – Granted STA extension, reduced night power.  
 910 KECR CA **El Cajon** – Granted STA extension, U4 1250/5000, night pattern 24 hours.  
 WLTP OH **Marietta** – Granted STA extension, U4 5000/9, day pattern/site 24 hours.  
 920 KDHL MN **Faribault** – Granted STA extension, parameters at variance.  
 940 WINE CT **Brookfield** – Granted STA extension, parameters at variance.  
 1110 KFAB NE **Omaha** – Granted STA extension, minor parameters at variance.  
 1130 KTLK MN **Minneapolis** – Granted STA extension, minor parameters at variance.  
 1150 WTMP FL **Egypt Lake** – Granted STA extension, parameters at variance during diplexing.  
 1160 WOBN NJ **Lakewood Township** – Granted STA extension, parameters at variance.  
 1200 WJUA FL **Pine Island Center** – Granted STA extension, U2 10000/2200.  
 1310 WADB NJ **Asbury Park** – Granted STA extension, U1 625/250.  
 1350 WFNS GA **Blackshear** – Granted STA extension, D1 500, longwire at 31-18-44/82-14-00.  
 1360 WHNR FL **Cypress Gardens** – Granted STA extension, U1 1250/625.  
 WCHL NC **Chapel Hill** – Granted STA extension, U1 5000/250 or parameters at variance.  
 1380 KKOOR OR **Ontario** – Granted STA extension, U1 5000/25.  
 1410 WDOV DE **Dover** – Granted STA extension, parameters at variance.  
 1480 KYOS CA **Merced** – Granted STA extension, U1 4300/250 from CP site.

## Applications for extensions of STAs received:

- 550 WSWA VA **Harrisonburg** – Applies to extend STA, U1 5000/250.  
 590 WARM PA **Scranton** – Applies to extend STA, U4 1250/1250.  
 710 KXMR ND **Bismarck** – Applies to extend STA, U7 25000/4000 (ch 13000).  
 750 KOAL UT **Price** – Applies to extend STA, minor parameters at variance.  
 790 KEJY CA **Eureka** – Applies to extend STA, U1 500/110 from KWSW-980 tower.  
 940 KFIG CA **Fresno** – Applies to extend STA, parameters at variance.  
 1220 WABF AL **Fairhope** – Applies to extend STA, D1 250(?) from WERM-1480 tower.  
 WSRQ FL **Sarasota** – Applies to extend STA, D1 150 from temporary vertical antenna.  
 1250 KDEI TX **Port Arthur** – Applies to extend STA, minor parameters at variance.  
 KKDZ WA **Seattle** – Applies to extend STA, U1 5000/1250 from day site (uses night power LSS-0300 only).  
 1280 WJYE ME **Gardiner** – Applies to extend STA, U1 5000/1250.  
 1300 WJMO OH **Cleveland** – Applies to extend STA, U1 1250/1250.  
 1310 KTCK TX **Dallas** – Applies to extend STA, reduced day power during KLIF diplexing.  
 1330 WHGM MD **Havre de Grace** – Applies to extend STA, U1 5000/125.  
 WENA PR **Yauco** – Applies to extend STA, U1 500/500 longwire at CP application site (see above).  
 1380 WBEL IL **South Beloit** – Applies to extend STA, U1 5000/1250.  
 1520 KKZZ CA **Port Hueneme** – Applies to extend STA, parameters at variance.  
 1570 KVAM CO **Loveland** – Applies to extend STA, D1 90 from temporary longwire.  
 1590 WNTS IN **Beech Grove** – Applies to extend STA, U4 4000/500.  
 WFBR MD **Glen Burnie** – Applies to extend STA, operation without sample lines.

SILENT STATIONS

## Formerly silent stations informing the FCC that they are back on the air:

- 950 WZKD AL **Mongtomery** – Silent Sept. 1 (2016) (as WNZZ), on the air Jan. 27.  
 1050 KORE OR **Springfield-Eugene** – Silent June 15 (2016), on the air Nov. 23 (2016).  
 1110 WOMN LA **Franklinton** – Silent Aug. 11 (2016), on the air Jan. 23 with STA.  
 1120 KLIM CO **Limon** – Silent July 27 (2016), on the air Dec. 23 (2016) with STA.  
 1360 WHCG GA **Metter** – Silent Feb. 5 (2016), on the air Jan. 27 with STA.  
 1490 WSVM NC **Valdese** – Silent Apr. 15 (2016), on the air Feb. 3 with STA.  
 1590 WGBG NJ **Ocean City** – Silent Dec. 12 (2016), on the air Dec. 17 (2016).



Stations informing the FCC that they are silent:

- 1020 **WLJV** FL **Kendall** – Silent Jan. 20; preparation for 3-way station moves (with 990, 1040).  
**KCKN** NM **Roswell** – Silent Jan. 26; transmitter was operating erratically.  
 1350 **KLHC** CA **Bakersfield** – Silent Jan. 29; car ran into tower.  
 1450 **KQTE** CA **Helendale** – Silent Feb. 1; has lost transmitter site.  
 1570 **WFTU** NY **Riverhead** – Silent Jan. 27 for repairs to roof and structure of studio building.

### COORDINATE CORRECTION

- 1250 **WMTR** NJ **Morristown** – As speculated last week, fixed application for CP to correct coordinates to reflect that the CoL will not change.  
 1340 **KPGE** AZ **Page** – CP to correct coordinates to 36-54-20/111-27-26 is on the air.

## *NRC AM Log Updates*

Special help wanted:

- 840 **KVJY** TX **Pharr** – Anyone in Texas able to elaborate on what these guys are doing? A lot of weird leads and conflicting reports on the Internet. (WH)
- 560 **WOOF** AL **Dothan** – Networks to FSR.  
 610 **WAGG** AL **Birmingham** – Slogan to “Heaven 610.”  
 680 **WCNN** GA **North Atlanta** – Slogan to “The Fan 680 & 93.7.”  
 730 **WPIT** PA **Pittsburgh** – Adds // W243BW-96.5. (FCC)  
 740 **WDGY** WI **Hudson** – Slogan & Group to // Oldies Radio.  
 800 **WKBC** NC **North Wilkesboro** – Slogan to “Today’s Hot New Country & Your All Time Favorites.”
- 910 **WLAT** CT **New Britain** – Adds // W269DE-101.7. (FCC)  
 920 **WMMN** WV **Fairmont** – Slogan to “The Ticket.”  
 940 **WKGM** VA **Smithfield** – Adds // W289CI-105.7; drops // W272CC-102.5. (FCC)  
 950 **KPRC** TX **Houston** – Networks to Fox/TRN/WW1/P.  
 980 **KSGM** IL **Chester** – Slogan to “Classic Country.”  
**WFHG** VA **Bristol** – Slogan & Group to // The Sports Fox.  
 990 **WREJ** VA **Richmond** – Adds // W267CB-101.3. (FCC)  
 1000 **WRTG** NC **Garner** – Slogan to “Radio La Grande,”  
 1130 **WBZB** KY **Murray** – Adds // W283CP-104.5. (FCC)  
 1160 **WYDU** NC **Red Springs** – Slogan & Group to // Inspiration & Information.  
 1170 **KJNP** AK **North Pole** – Networks to SRN. (TV)  
 1210 **WILY** IL **Centralia** – Format to Rock/OLD (ex-OLD).  
 1220 **WOTS** FL **Kissimmee** – Slogan to “La Primera.”  
 1230 **KAAA** AZ **Kingman** – Slogan & Group to // All Talk from A to Z.
- 1270 **WTSN** NH **Dover** – Slogan to “NewsTalk 98.1.”  
 1280 **WHVR** PA **Hanover** – Adds // W237EN-95.3. (FCC)  
 1300 **WRDZ** IL **La Grange** – Adds // W284DA-104.7. (FCC)  
 1310 **KZRG** MO **Joplin** – Slogan & Group to // NewsTalk1310. (JT)  
 1340 **WBGN** KY **Bowling Green** – Adds // W300DA-107.9. (FCC)  
**WEKY** KY **Richmond** – Adds // W223CU-92.5. (FCC)  
**WAGR** NC **Lumberton** – Slogan & Group to // Inspiration & Information; delete Group // WIDU Group.
- 1350 **WWWL** LA **New Orleans** – Format to TBA (Music) (ex-SPT/TLK); adds // W279DF-103.7, drops nets.  
**WKCU** MS **Corinth** – Format C&W (ex-SPT); slogan to “Corinth’s Best Country,” drop nets.
- 1360 **KBKB** IA **Fort Madison** – Adds // K283CK-104.5. (FCC)  
**WKMI** MI **Kalamazoo** – Networks to A/Bf/CMP/P/Ru/CM/RER.  
**WBLC** TN **Lenoir City** – Slogan to “LifeTalk Radio.”
- 1370 **KFRO** TX **Longview** – Adds // K260CE-99.9. (FCC)  
 1380 **WWRF** FL **Lake Worth** – Adds // W223CJ-92.5; drops // W245AY-96.9. (FCC)  
 1390 **KENN** NM **Farmington** – Networks to Fox/Ru/P/WW1/TRN/C2C. (TV)  
**KRRZ** ND **Minot** – Format to Rock/OLD:TLK (ex-TLK/OLD); slogan to “Classic Hits.” (TV)  
**WBLL** OH **Bellefontaine** – Adds // W295CI-106.9. (FCC)
- 1440 **WHKZ** OH **Warren** – Slogan to “The Word.”  
 1450 **WKEI** IL **Kewanee** – Networks to Fox/AGt/SRN/Mt/CS/RER. (TV)



- WXVW IN Jeffersonville** – Adds // W241CK-96.1. (FCC)  
**WKAL NY Rome** – Slogan to “The NewsTalk & Sports Authority.”  
**1460 WEWO NC Laurinburg** – Slogan & Group to // Inspiration & Information; delete Group // WIDU Group.  
**1470 WNYN NY Ithaca** – Slogan to “Pure Oldies 94.1.”  
**1480 KYOS CA Merced** – Adds // K297BU-107.3. (FCC)  
**WKND CT Windsor** – Adds // W248CR-97.5. (FCC)  
**1490 KZZZ AZ Bullhead City** – Slogan & Group to // All Talk from A to Z  
**WARK MD Hagerstown** – Networks to Fox/CM/WW1/P/CM/RA. (TV)  
**1510 KFNN AZ Mesa** – Slogan to “Money Radio 1510 and 105.3 FM.”  
**WRRD WI Waukesha** – Format to TLK (ex-SS:SPT); slogan to “NewsTalk,” nets to WW1.  
**1540 WECZ PA Punxsutawney** - Adds // W265DI-100.9. (FCC)  
**1550 WLOR AL Huntsville** – Format to UC:HipHop (ex-UC:OLD); slogan to “98.1 The Beat.”  
**WCLY NC Raleigh** – Adds // W239CK-95.7. (FCC)  
**1570 WFRL IL Freeport** – Format to C&W (ex-OLD); slogans to “The Giant,” “Genuine Country.” (BD)  
**WSCO WI Appleton** – Networks to Ns/MRN/PRN.  
**1580 KHEP AZ Tempe** – Format to SPT (ex-TBA); slogan & Group to // 1580 The Fanatic; networks to CS/Jr.  
**KFCS CO Colorado Springs** – Networks to USA.  
**WAMW IN Washington** – Slogan to “The General - 98.9 & 1580.”  
**1590 WGBG MD Ocean City** – Format to C&W (was Silent); slogan & Group to // Bay Country 97.9; delete Group // Big Classic Rock 98.5.  
**KPRT MO Kansas City** – Adds // K291CN-106.1. (FCC)  
**1600 WARU IN Peru** – Format to OLD (ex-AC); delete // WARU-FM-101.9, drop slogan.  
**WLUE KY Eminence** – Slogan & Group to // La Poderosa de Kentuckiana.  
**WLZX MA East Longmeadow** – Format to Rock (ex-TLK); slogan & Group to // Lazer 99.3; delete Group // Pioneer Valley’s News Radio; drop nets.  
**WIDU NC Fayetteville** – Slogan & Group to // Inspiration & Information; delete Group // WIDU Group.  
**KUSH OK Cushing** – Format to C&W/OLD (ex-TLK/SPT); networks to A/Ok/Oa; slogans to “Oklahoma’s Americana Station,” “The Kush.” (GH)

### Updated Groups

// La Poderosa de Kentuckiana – WLRS-1570, WLUE-1600, W270CR-101.9, W231DB-94.1  
 // Public Reality Radio – WPRR-FM-90.1, WPRR-1680, W292DO-102.5, WPJC-88.3, W237CZ-95.3

### Group Name Changes

// Big Classic Rock 98.5 becomes // Bay Country 97.9, WBEY-FM-97.9, WGBG-1590, W286BB-105.1  
 // WIDU Group becomes // Inspiration & Information – WIDU-1600, WYDU-1160, WEWO-1460, WAGR-1340

### New Groups

// 1580 The Fanatic – KHEP-1580, K257CD-99.3, K256CY-99.1  
 // All Talk from A to Z – KAAA-1230, KZZZ-1490, K248CO-97.5  
 // Lazer 99.3 – WLZX-FM-99.3, WLZX-1600, W286DB-105.1  
 // NewsTalk1310 – KZRG-1310, K275BD-102.9, K290CO-105.9 (JT)  
 // Oldies Radio – WDGY-740, W221BS-92.1, W279DD-103.7  
 // The Sports Fox – WFHG-980, W287CF-105.3, W255DB-98.9

### Deleted Group

// Big Classic Rock 98.5

### From Radio Insight

**CBS Radio Merges with Entercom.** There will not be a spin-off and IPO of CBS Radio after all. CBS Corporation will merge its radio division with Entercom in a tax-free merger. The deal will be structured as a Reverse Morris Trust with CBS shareholders having the opportunity to exchange their shares for CBS Radio shares, which will then be merged into Entercom. CBS Radio shareholders will hold 72% of the newly combined Entercom, with existing Entercom shareholders the other 28%. The company will retain the Entercom name following the merger and be led by current Entercom President and CEO David Field. CBS Radio President Andre Fernandez will exit once the deal closes. It will be based in Philadelphia with a nine member Board of Directors. Five of the board members

**ENTERCOM**

**CBS  
RADIO**

will be current Entercom directors and four to be nominated by CBS Radio. Entercom will become the second largest group owner with 244 stations upon closing of the deal. There will likely need to be spin-offs in multiple markets where both companies currently operate including Boston, Los Angeles, Sacramento, San Diego, San Francisco, and Seattle.

**Proposed Changes for the Next AM Revitalization Window.** At the February Open Meeting the FCC will vote on a proposal by Chairman Ajit Pai to expand the flexibility of FM translators rebroadcasting an AM station as part of the ongoing AM Revitalization. Currently translators “must be contained within the lesser of (a) the 2 millivolts per meter (mV/m) daytime contour of the AM station, or (b) a 25-mile radius centered at the AM transmitter site.” The proposed change rewrites the ruling to translators “must be contained within the greater of either the 2 mV/m daytime contour of the AM station or a 25-mile (40 km) radius centered at the AM transmitter site. The protected contour for an FM translator station is its predicted 1 mV/m contour.” The change would give translators more flexibility in reaching parts of the markets where its AM signal does not. For example if a 1kW AM has a null to the northeast and its protected contour only reaches say 15 miles from the tower site, the translator can now surpass the protected contour to reach the next 10 miles. The ruling will be voted on at the FCC’s Open Meeting on February 23. Additional proposals including the next translator filing window will be set forth later.

Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), John Tudenham (JT), Tore Vik (TV), Bill Dvorak (BD), and Glenn Hauser (GH).

## From the *DX News* archives ....

Now thanks to Ron Schiller.

**75 Years Ago** – From the February 7, 1942 issue of *DX News*: Signs of the times with WWII on: FCC says no construction permits. Indiana’s Bob Brown got his Draft Induction Notice! Ted Neider (NYS) is busy as an Air Raid Warden & studying First-Aid. Ed Wyman (NYS) lamented the slow arrival of veries! Outstanding TA signal in Wildwood, NJ per Frank Lee is Hilversum, Holland-995. Hilding Gustafson (IL) logged 3 new Brazilians on 1100, 1180 & 1220.

**50 Years Ago** – From the February 18, 1967 issue of *DX News*: Bill Nittler (CO)’s mini-bio: 32 with 5 children, bank officer, 2256 verified. MA’s Ray Moore relies on his 16-tube homebrew RX for foreign DX. He’s selling his Hammarlund SP600JX for \$175, saying it’s much better than the popular HQ180. Member R.S. Station (IN) reported logging WPAW-1540 RI at sign-on on his HQ100/loop.

**25 Years Ago** – From the February 10, 1992 issue of *DX News*: Approximately 160 stations are on the FCC’s Silent List per Ohioan Jerry Starr. Rick Dau (IA) edits the College Sports Network column. Domestic DX Digest EAST is edited by Californian Wm. Hale. Chris Vito (FL) heard Antigua & Barbuda on 620. John Bowker’s “In the Beginning” listed ALL 5 of the 1340 stations in 1934: WSPD-OH, WCOA-FL, KGNO-KS, KGDY-SD, & KFPY-WA.

**10 Years Ago** – From the February 5, 2007 issue of *DX News*: Nice pic of an R390 on the cover page. WI’s John Rieger was at 2,175 logged on his ICOM-R75 & loop. In the DX Contest, furthest loggings: Richard Wood (HI) Saudi Arabia-882 @ 8851 miles! Bruce Conti (NH) Djibouti-1431 @ 6868 miles & HI’s Dale Park 4YA-810 NZ @ 5035 miles. Les Rayburn (AL) ran the “Flash Alert” postcard system (last minute DX Test info) for non-internet users.

## NOAA Space Weather Outlook

Issued February 6, 2017 – For the period February 6-March 4, 2017

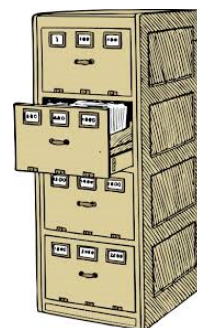
Now at <http://www.swpc.noaa.gov/products/weekly-highlights-and-27-day-forecast>

Solar activity is expected to be very low levels throughout the period with a chance for C-class flares on 11-24 February with the return of old Region 2628 (N12, L=174).

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at normal to moderate levels with high levels likely on 06-13, 16-19, 22-26 and 28 February - 04 March due to recurrent CH HSS influence.

Geomagnetic field activity is expected to be quiet with unsettled to active levels expected on 06-09, 14-18, 22-25 and 27 February – 04 March with G1 (Minor) geomagnetic storms likely on 27 February and 01-02 March and G2 (Moderate) geomagnetic storm levels likely on 28 February due to recurrent CH HSS activity.



# Domestic DX Digest – West

Jim Tedford, 20310 Bothell-Everett Hwy. B4, Bothell WA 98012-8133, [Radio\\_Enthusiast@hotmail.com](mailto:Radio_Enthusiast@hotmail.com)

For loggings of U.S. and Canadian stations by DXers in Central/Mountain/Pacific time zones

All times are Eastern Local Time (ELT)

## REPORTERS

- CSD-AZ** **Carl "Skip" Dabelstein, KØSBV, Tucson, AZ.** Drake SW8 and Icom R75; 400' BOG in desert wash behind my house, Radio Plus Quantum Loop, and LF Engineering Active Whip.
- GH-OK** **Glenn Hauser, Enid, OK.** Mostly DX-398 with internal antenna only; NRD-545 with ALA-330S E-W inside or N-S random wire; IC-R75 with E-W longwire; also available: PL-880 with internal or random wire; Nissan stock car radio when specified. Glenn's complete reports, with extensive commentary, are originally published in DX Listening Digest.
- JR-OK** **John Reed, Shawnee, OK** NRD-525, Brigantina+AR7030; Homebrew tuned ferrite loops, Clifton Labs active whip, phaser.
- JW-CO** **John Wilkins, Wheat Ridge, CO.** Drake R-8, 4-foot box loop.
- KDF-IL** **Karl D. Forth, Chicago, IL.** ATS-909
- NJ-AZ** **Nancy Johnson, Mesa, AZ.** Drake R8B, Wellbrook ALA1530LNP.
- RD-NE** **Rick Dau, South Omaha, NE.** Sony ICF-2010, Grundig AN-200 antenna.
- SMA-MB** **Shawn M. Axelrod, VE4DX1SMA, VEPC4SW, 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

- 650 WSM TN Nashville** – 1/30 2343 – "WSM" into mention of country artists followed by another "WSM" into country song, 2347 Nashville weather and said it was "Hall of Fame Monday." Quite good in KMTI null. New state here! **(NJ-AZ)**
- 660 KTNN AZ Window Rock** – 1/28 1436 – My MW bandscan downward for skywave signals (after 1540 KXEL IA) finds something here on the E-W antenna, country music and talk seemingly in English at 1439; ads in English at 1442, and ending with something -online.com. The N/S antenna has KSKY The Answer talk from The Metroplex as usual dominant on groundwave, but E/W brings this, also making a 1.2 Hz SAH. I'm thinking it's got to be KTNN, at midday! Not listening long enough to hear some clinching Navajo chanting, but their website is indeed: <http://ktnnonline.com/> 1/28 1830 – I turn on the PL-880 still tuned to 660, and there's Navajo talk from KTNN, as heard four hours earlier already in English, but nothing unusual now, just before sunset here, and while still on their ND 50 kW day power (sometimes, extending past their own sunset). **(GH-OK)**
- 660 CFFR AB Calgary** – 1/28 0805 – A mix of national and area news; frequent MST time checks and "660 News" IDs. Fair with local KLTT-670 IBOC nulled. **(JW-CO)**
- 710 WHB MO Kansas City** – 2/3 1832 – Spot for Royals Spring Training and Big 12 Basketball Tournament ticket supplier and program promo for *Midwest Outdoors* and ID as "Sports Radio 810, WHB." **(CDS-AZ)**
- 770 KAAM TX Garland** – 2/3 1911 – Atop with "...on KAAM" heard, then into Bobby Vee's 1961 version of "More Than I Can Say" (having grown up in the late 70s and early 80s, I'm more familiar with Leo Sayer's Top Ten remake from 1980) and The Carpenters' "We've Only Just Begun." **(RD-NE)**
- 780 WBBM IL Chicago** – IBOC has been off for a whole month, first noted 12/27. May be permanent. **(KDF-IL)**
- 800 CKLW ON Windsor** – 2/2 0049 – On E-W antenna without even trying I can copy CKLW atop CCI from KQCV OKC, with Bell's Canada ad, and something in Windsor/Essex. **(GH-OK)**
- 820 KUTR UT Taylorsville** – 2/3 0933 – Briefly over WBAP with mentions of "AM 800 and FM 95.3" and "south Davis County," then an ad that included a phone number in the 801 area code. Overall logging #999. **(RD-NE)**
- 840 WHAS KY Louisville** – 2/3 2359 – Ended an iHeart small radio spot with "Indiana's breaking news, weather, and traffic station, News radio 840 WHAS Louisville, an iHeart station" into ABC news. Good in KXNT and KMPH null. Perhaps

cold temperatures (40's and 50's) here helped with reception of stations from the eastern U.S. New state, #23 from Mesa. **(NJ-AZ)**

- 880 KHAC NM **Tse Bonito** – 2/2 2102 – Very good with starting lineups of men's basketball game between Idaho State Univ. and Northern Arizona Univ. KHAC is on the NAU network, having joined for the 2015-16 season. **(RD-NE)**
- 990 KRKS CO **Denver** – 2/2 1843 – Good and alone on the channel (at least for a little bit) with ad for the Colorado Broadcasters Virtual Job Fair, then into REL program "Bible Answer Man" with host Hank Hanegraaff, including a mention of website [www.equip.org](http://www.equip.org). **(RD-NE)**
- 990 KSVP NM **Artesia** – 2/2 1846 – Very good, overtaking KRKS with promo for coverage of Artesia High School boys and girls basketball on KSVP. Very auroral conditions at the time, as CBW would be a no-show for several hours. **(RD-NE)**
- 1030 KBUF KS **Holcomb** – 2/8 0839 – Short agriculture-oriented programs including the Kansas Soybean Report and the "Horse Show Minute," from which we learned that a horse's left and right brains do not communicate with each other in the same way that they do in humans; ubiquitous tractor and fertilizer spots. Fair/good in KTWO null. **(JW-CO)**
- 1070 KFTI KS **Wichita** – 2/3 1753 – ID's as "Classic Country 1070, KFTI" followed by a very appropriate song for this reception: "Take Me Down to Tucson" by Mel Tillis. **(CDS-AZ)**
- 1140 KZMQ WY **Greybull** – 2/3 1859 – Oldies rock music with spot for David's Bridal and into ID as "Greybull's Oldies Station, 1140 KZMQ." **(CDS-AZ)**
- 1190 KQQZ IL **Fairview Heights** – 1/30 1925 – Poor signals but could copy them through CFSL with political talk and slogan as "Hot Talk" // their web feed. They also do country music at times with Kool Killer Kountry IDs. New City of License, ex-De Soto MO. **(SMA-MB)**
- 1240 KADS OK **Elk City** – 2/2 1330 – Weak under KVSO and KOKL with phasing just barely heard "Sports Animal" ID. New here. **(JR-OK)**
- 1250 KHIL AZ **Willcox** – 1/28 0933 – Cowboy songs and other obscure C&W oldies; quick "KHIL Willcox" ID at 0952. Fair, mixing with Roosevelt and San Antonio. **(JW-CO)**
- 1250 KZDC TX **San Antonio** – 2/1 0859 – Promo for live broadcast February 13 from the San Antonio Stock Show and Rodeo; LID at 0900: "1250 ESPN San Antonio and 94-5 FM KZDC San Antonio," followed by *Mike & Mike*. Fair, topping others. **(JW-CO)**
- 1310 KGLB MN **Glencoe** – 2/2 0759 – Out of C&W with legal ID: "AM 1310 KGLB Glencoe, Classic Country," then right back to music. Fair in KFKA null. **(JW-CO)**
- 1330 KNSS KS **Wichita** – 1/30 1511 – On car radio, KNSS audio is hitting at modulation spikes only, totally unreadable, still so at 1518. No one at station is listening to station to fix it! So how can they expect any audience? If anyone is there, they are probably paying more attention to some FM station in the cluster, notably duplicate KNSS-FM 98.7, no problem on it? Sean Hannity is scheduled now, after Rush. Good riddance! **(GH-OK)** 2/2 0801 – Area news; weather at 0810; frequent call letter ID's. Fair and fadey, mixing with Gallup, Lander, and Monahans. **(JW-CO)**
- 1380 KLPZ AZ **Parker** – 2/6 0849 – Parker ad, then canned guy says "KLPZ 1380 AM Country and a little more;" a C&W tune followed. Up and down signal, peaking at fair level. **(JW-CO)**
- 1380 KRCM TX **Shenandoah** – 1/30 0100 – On top of frequency with Spanish programming, Radio Vida 1380 mentions, ad for Christian DVD. I've heard this other times but assumed it was something closer, until I read Glenn Hauser's report. **(KDF-IL)**
- 1410 KGSO KS **Wichita** – 1/25 0854 – "...we've got it covered. This is Sports Radio 1410 AM and 93.9 FM KGSO," then back to local sports talk. Generally fair. **(JW-CO)**
- 1430 WFOB OH **Fostoria** – 1/23 1800 – Fair-good with ID, ESPN network news. **(KDF-IL)**
- 1460 KZUE OK **El Reno** – 1/28 1431 – KZUE groundwave in Spanish is dominant on the N-S antenna, but mixed with something in English on E/W antenna. Most likely KHOJ skywaving in already. **(GH-OK)**
- 1480 KQAM KS **Wichita** – 1/30 0806 – Weather "on The Big Talker KQAM," mentioning 1480 AM and 102.5 FM; also ID'd as "Your home for local conservative talk" and into local talk show at 0807. Fair/good signal. **(JW-CO)**
- 1490 KKAN KS **Phillipsburg** – 1/31 1805 – Another weak graveyard station, brief fade up with singing ID. New here. **(JR-OK)**



- 1490 KTOP KS **Topeka** – 1/21 1800 – Weak, among many other stations, heard call ID followed by news. **(JR-OK)**
- 1490 KORN SD **Mitchell** – 1/30 0836 – Weather forecast, CST time check, call letter ID, then lost. Rare here. **(JW-CO)** Hmm... Wasn't KORN the call letters of the station that Charlie Farquharson worked at on the old TV show *Hee Haw?* **(JDT-WA)**
- 1510 KCTE MO **Independence** – 2/1 1810. Sports with Kansas City ads and slogan "99.3 FM and 1510 AM," over/under many other stations. **(JR-OK)**
- 1540 KXEL IA **Waterloo** – 1/28 1429 – Mentions UNI, i.e. University of Northern Iowa, game involving fouls and free-throws, so evidently BKB. Come to think of it, free-throws in FB would make it marginally more interesting. **(GH-OK)**
- 1550 WIGN TN **Bristol** – 1/26 1815 – Strong signal with local ads, mention of station's religious programs and WIGN mentions. A little late to hear this. **(KDF-IL)**
- 1570 WFRL IL **Freeport** – 2/5 0840 – Originally UNID station with classic country music. I heard what sounded like "the Giant" slogan. Any ideas who this might be? (Editor's Note: Bill Dvorak gave Shawn a tip on what station he was hearing: WFRL Freeport IL is your station, Shawn. It has recently switched from oldies to country using two slogans, "The Giant" and "Genuine Country." --Bill Dvorak Madison WI.) **(SMA-MB)**
- 1570 WPGM PA **Danville** – 2/7 2058 – Poor signals but come up on top for two minutes. Just long enough for a clear ID at the top of the hour. NEW! **(SMA-MB)**
- 1600 KUSH OK **Cushing** – 1/28 1428 – Playing jive music, sub format Americana, I suppose. Weekday afternoons, it's talk shows (after me, the deluge from Trans-Canada). {later: or used to be. Now music also heard weekday afternoon; can't find a simple program schedule on their website or active Facebook, but seems to indicate local talk in the mornings "Kush Girls"; music in afternoons. **(GH-OK)**
- 1630 WRDW GA **Augusta** – 1/25 1800 – Call in talk from Atlanta in phase null of KKG. **(JR-OK)**
- 1640 KZLS OK **Enid** – 2/3 1911 – ID as "You're listening to Yukon Girls basketball on 1640 AM, KZLS" into game between Westmoor Jaguars and Yukon Millers. **(CDS-AZ)**
- 1670 WOZN WI **Madison** – 1/25 1815 – Sports talk, ID given as "1067 FM, 1670 AM The Zone." **(JR-OK)**
- 1680 KRJO LA **Monroe** – 1/26 0817 – W&M in chat show, "The Morning Scramble at 99.7 My-FM," i.e. via its AM appendage, KRJO Monroe LA, so format is not just AC music. **(GH-OK)**

#### UNID

- 840 UNID -- 1/22 2337 – Spanish station in total null of WHAS. I figure it's KVJY Pharr TX, as heard a few times before, but what I get does not match up to last known info about it. "La mejor alternativa, 107.9, la palabra de dios, levantando una nueva generación," into praise music. As of November, logged by Terry Krueger, KVJY was // Ultra 104.9 FM, with pop music format. <http://www.ultra1049.com/> still appends 840 on its home page. Maybe has really changed format/FM relay again. Slogans and format do not match up to any likely Mexicans either. 1/23 2115 - Heard mentioning "palabra de dios." Another peak at 2148, taking oración requests for "protección divina"; lots of names mentioned, but no locational references. 1/24 2359 – Gives phone number at least thrice, 480-467-4626, but no ID caught as IBOC noise grows (WCCO must have been in a fade); WHAS nulled leaving usual SAH with the unID. Trouble is, AC 480 is suburban Phoenix AZ, and a reverse lookup leads to a dead end in Scottsdale. 1/26 2320 – In a fade-up as I tune in during gospel station's monolog about how he started an AM & FM station in Dec 2015. More than once he's plugging for 33 (rich?) people to support his ministry (bet I know where he got that number), as it's listener-supported and located in "Mesa, Arizona" so that fits for the 480-AC phone number previously copied, and which I hear again and again, so I am sure of it: (480) 467-4626, presumably belonging now to someone other than the Anglo woman one lookup led to. And he announces a second phone number, of which I am not so certain, (770) 989-4791. That AC is suburban Atlanta GA, which makes no more sense on 840 kHz than (480) does. **(GH-OK)**
- 1160 UNID -- 1/26 0814 – Open carrier almost zero-beat over KSL, but hard to DF, apparently a daytimer about to start: 0815 no sign-on, no ID, just bringing up gospel in progress in English. So is it KVCE 35/1 kW U4, but not a daytimer? FCC AM Query shows its day and night sites are quite far apart, so one could be

interfering with the other during overlap, but the correct LSR time for KVCE in Jan is 0830, not 0815 until Feb. Other possibility is WYLL Chicago IL (né WJJD), where the Jan LSR is indeed 0815. Despite the power, day pattern is tight to the north and night pattern is circular to the SE. It too has separate day and night sites. We should not be getting so much from it; nor from KVCE, with day pattern to the ESE, and night pattern to the SE. (GH-OK)

### TIS/HAR

1710 TIS NM **Bandelier Natl. Monument** – 2/1 2040 – Continuous 60-second information loop beginning with “You’re listening to Bandelier Rock Radio AM1710. The park is open every day of the year from dawn to dusk,” followed by information on driving, parking and camping. The announcement ends with “This is Ranger Jeff Young thanking you for listening to Bandelier Rock Radio.” (CDS-AZ)

### STATION NEWS

1580 KQFN AZ **Tempe** – 2/9 1627 – Our local finally returned to the air with new KQFN calls, ex-KHEP. 1627 noted with highlights of past sports events that lasted about a minute each followed by station promo “The Fanatic, your new home for sports is coming.” 1629 “KQFN Tempe, Arizona’s new home for sports; 1580 The Fanatic. We are all have them, the moment that turns us from fan to fanatic. Those moments live here, the new home for sports in Arizona.” Many “The Fanatic” slogans. The new format will begin Monday 2/13. (NJ-AZ) *Still KHEP per FCC as of Feb. 10 – DY.*



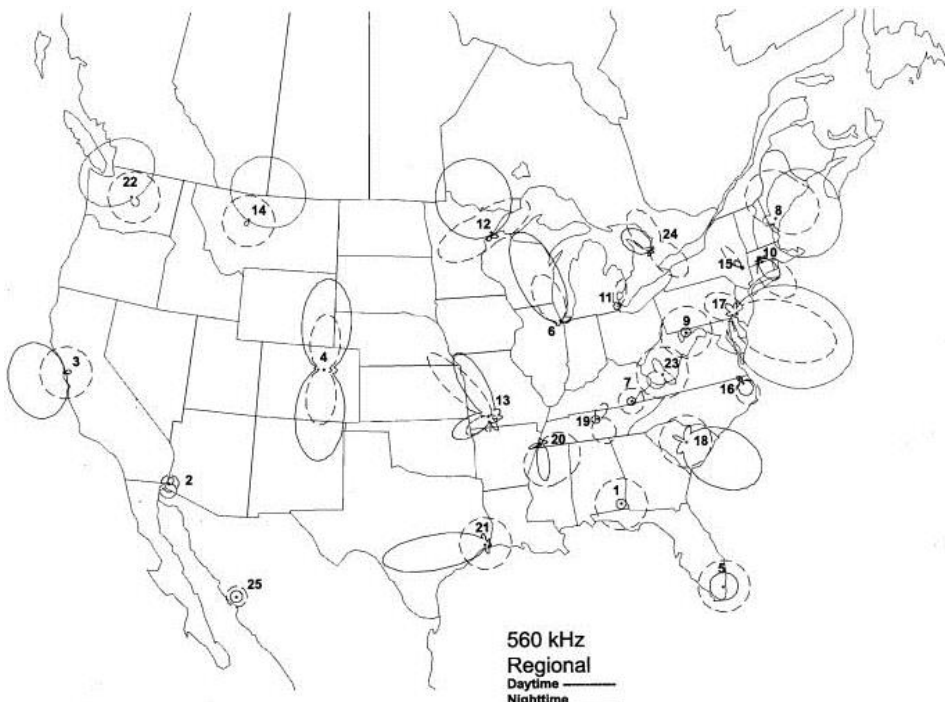
Thanks for all your contributions. See you next time. (JDT-WA)

### ABBREVIATIONS USED IN DDXD

// – Parallel to. :00 – On the hour. AC – Adult contemporary. AP – Associated Press. BBD – Big band. C&W – Country and western. CCR – Contemporary Christian radio. CHR – Contemporary hit radio. CID – Code ID. CL – Call letters. COL – City of license. EE – English. EZL – Easy listening. FF – French. GOS – Gospel. Hi – A joke; the ham radio equivalent of :-). LID – Legal ID (i.e., CL and COL near the ToH). LSR – Local sunrise. LSS – Local sunset. NBA – National Basketball Association. NFL – National Football League. NHL – National Hockey League. NPR – National Public Radio. OC – Open carrier. OLD – Oldies. PSRA – Pre-sunrise authority. PSSA – Post-sunset authority. QRM – Man-made interference (power lines, other stations, etc.). QRN – Natural interference (lightning, etc.). QTH – Location. REL – Religious. ROK – Rock’n’roll. RS – Regular schedule. \$ – Stereo. SID – Singing ID/jingle. SRS – Sunrise skip. SS – Spanish. SSB – “The Star-Spangled Banner.” SSS – Sunset skip. TC – Time check. ToH – Top of the hour. TT – Test tones. UC – Urban contemporary. VID – Voice ID. WW1 – Westwood One.

## **NRC Antenna Pattern Book, 7th Edition**

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



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

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

Price/ordering info: Same as for the *NRC AM Log* (see page 1). Colorado residents, please add 3.5% sales tax.

# Domestic DX Digest – East

Mike Brooker, 99 Wychrest Avenue, Toronto ON M6G 3X8 (Canada), [patria1818@yahoo.com](mailto:patria1818@yahoo.com)

For loggings of U.S. and Canadian stations by DXers in Eastern/Atlantic time zones

All times are Eastern Local Time (ELT)

## REPORTERS

- BC-NH** **Bruce Conti, Nashua** – Excalibur SDR, MWDX-5, variable termination SuperLoop antennas 50 x 60-ft at 60° northeast and 50 x 75-ft at 180° south.
- HF-MI** **Harold Frodge, Midland** – Drake R8B + 185' & 60' RW + 125' bow-tie
- TF-NH** **Tony Fitzherbert, Campton** – Grundig S450 DLX, Grundig AN 200 loop
- HJH-PA** **Harry Hayes, Wilkes-Barre** – Grundig S-350, C Crane Skywave, Q-Stick Plus ferrite rod, ALA-1530 loop in attic
- KK-VA** **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- TLK-FL** **Terry Krueger, Clearwater** – NRD-535, IC-R75, ICF-7600GR, roof dipole, active loop
- JRM-PA** **John R Malicky, Pittsburgh** – Delco Car Radio
- CR-VA** **Chuck Rippel K8HU, Chesapeake** – WinRadio G33 Excalibur Pro, variable termination resistance 36 X 16' Superloop at 270° (West)
- RJS-OH** **Bob Schroeder W8CRO, Cincinnati** – C Crane Skywave, CCRadio2E, Super Select-A-Tenna with outdoor long wire
- PS-ON** **Paul Snider, Welland** – ICOM R75, Pixel RF Pro-1B loop, MFJ-1020C tuner
- JW-PA** **Jim Weber, Lancaster** – Grundig S350
- LW-NY** **Leslie Wood, East Meadow** – CC Radio SW, RS loop
- MKB-ON** **Mike Brooker, Toronto** – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, C Crane CC Skywave, Panasonic RF-2200 (receiver emeritus)

Follow me on Twitter! @patria1818 DX-related tweets will be hash-tagged #MWDX.

## UNID

- 1060 unID** -- - 1/27 0700 – In KYW, Radio Viente Seis and UNID oldies mix, heard SS other than Radio Viente Seis, Spanish male with apparent ToH ID in EE: “WBAO 7-80 AM Summerfield W295BD Winston-Salem.” Maybe “Summerfield” was “Summerville.” I listened several times and have no idea what I was hearing. **(KK-VA)**

## LOGGINGS

- 580 WHP PA** **Harrisburg** – 1/31 1655 – Way over WTAG, ads for “..your Jewelers in Carlisle” and Selectquote, ID as “Your first source for news, an iHeart radio station, WHP – Harrisburg, then abruptly gone as the station went to its very tight night pattern, one of the most directional in the USA from the station’s six tower rig along I-81 SW of Harrisburg. **(TF-NH)**
- 590 WARM PA** **Scranton** – 1/21 2100 – Atop with ToH ID for CBS Sportsradio WARM, Sportsradio 590 – WARM, Scranton, Wilkes Barre, and another city name that I couldn’t catch, mixed with WEZE and WROW. **(TF-NH)**
- 600 WBOB FL** **Jacksonville** – 2/4 1800 – Poor; “WBOB The Answer... at 101.1... The Answer,” and Town Hall news. **(BC-NH)**
- WFST ME** **Caribou** – 1/19 1605 – Man reading a Christian children’s story, weak signal, no sign of usual WICC. **(TF-NH)**
- WSJS NC** **Winston-Salem** – 1/26 2240 – Dominant with CBS Sports Radio and weather forecast. ID as “600 WSJS and WSJS.com” and “News Radio AM 600 WSJS.” **(HJH-PA)**
- WYEL PR** **Mayaguez** – 1/21 2115 – Spanish rock music, mixed with oldies on WICC and others. **(TF-NH)**
- 640 WXSM TN** **Blountville** – 2/4 1801 – Fair; contest rules for tri-cities stations, “If you’re a contest winner on WXSM...” **(BC-NH)**
- 650 WSRO MA** **Ashland** – 1/29 2135 – Started hearing music (not C&W) way under Colombian RCN Antena 2, WSM & WNMT, turned the loop and heard music in (assumed) Portuguese), ToH ID “FM...650 AM WSRO Boston,” into what I assume was news in Portuguese. Poor to very poor under WSM with WNMT and RCN nulled. // to Tune In stream. **(PS-ON)**



- 660 WLOY VA **Rural Retreat** – 1/26 2326 – Oldies music including “City of New Orleans” by Arlo Guthrie, “This Is It” by Kenny Loggins, “Mack The Knife” by Bobby Darin, ID at 2352 “...WLOY 660 on your dial,” “I Will Always Love You” by Whitney Houston. Poor to very poor, mostly under WFAN, on after sunset. Pretty good for 550 watts. **(PS-ON)**
- 680 WCTT KY **Corbin** – 2/5 2213 – Poor to very poor under CFTR with songs by Rod Stewart, Dolly Parton, The Temptations, The Seekers, Styx, John Denver and others, talk in between songs, finally heard “...Great 68” slogan at 2242. I had been trying to get this one for months, but thought it could have been WDBC (didn’t quite fit WDBC’s adult standards/NOS format though). **(PS-ON)**
- 730 WZGV NC **Cramerton** – 1/29 0659 – Promo for “ESPN Charlotte” and local Realtor commercial, male canned “WZGV, ESPN 730, Cramerton-Charlotte” at 0700. First time here. **(TLK-FL)**
- 750 WQOR PA **Olyphant** – 2/4 0700 – Fair; “You’re listening to 750 AM and 98.9 FM WQOR Olyphant, 1490 AM WAZL Hazleton, we’re JMJ Catholic Radio 24 hours a day.” **(BC-NH)**
- 780 WCKB NC **Dunn** – 2/4 1800 – Fair; “Thank you for listening to WCKB on 97.7 W249DE,” and country gospel music. **(BC-NH)**
- 790 WQXI GA **Atlanta** – 2/6 2150 – Korean talk, music, ads for Korean Air and for a local bank (mentioned FDIC), “Radio Korea” slogan at 2218. Fair at times to very poor with WAEB and WNIS. Probably running more than 1000 watts night time power. **(PS-ON)**
- 810 CKJS MB **Winnipeg** – 1/26 2250 – Mostly upbeat ethnic music (Middle Eastern?), EE ad with 204 area code, “in Winnipeg this is CKJS” ToH ID, into presumed German programming with news (mentions of Trump) and polka style music. Very poor under WGY. // to Tune In stream. **(PS-ON)**
- 830 WCRN MA **Worcester** – 1/23 0135 – In with “WCRN 830 Worcester-Boston” ID into Coast to Coast AM program with John Nen. **(LW-NY)**
- 880 KRVN NE **Lexington** – 2/9 1815 – Farm ads (hybrids, crop insurance, livestock sales, etc.), KRVN.com website promo. Mainly under WCBS with peaks over. **(HF-MI)**
- WRFD OH **Columbus-Worthington** – 2/7 0930 – Bottom of hour ID, “Hear Focus on the Family every morning at this time on 880 WRFD” station promo. WCBS completely nulled off back of Superloop. **(CR-VA)**
- 890 WAMG MA **Dedham** – 1/23 2115 – Spanish ballads, over/under WLS, identical stuff as on simulcast WORC-1310 which is regular here at night. **(TF-NH)**
- 900 WABY NY **Watervliet** – 1/21 1716 – “Deep in the Heart of Texas,” “900 WABY find us on Facebook” ID, into “Hernando’s Hideaway,” ad for Tru Value Hardware, “900 WABY your home for all time favorites,” ad for cable TV. Post-sunset 70 watts straining to reach NH, lost to usual CHML. **(TF-NH)**
- 920 CKNX ON **Wingham** – 2/7 1700 – Strong at times with country music and ID as “Mid Ontario’s Number One Source for News CKNX Wingham,” then into news. Not always a regular. Verified in the 1980s. **(JRM-PA)**
- 930 WLLL VA **Lynchburg** – 1/31 0530 – Booming in with local ads for Lynchburg businesses and lots of uplifting gospel music. Hard to believe this is 42 watts. **(JW-PA)**
- +++ - 2/5 0600 – Fair over WPAT; jingle singing “WLLL AM 930 Lynchburg” and R&B/blues music. **(BC-NH)**
- 940 WMIX IL **Mount Vernon** – 1/27 2310 – Had CBS News followed by an ad for a C&W program, then weather report. ID as “WMIX Mount Vernon.” Fair to weak signal with the Mexican station in the background, no signal apparent from Montreal. **(HJH-PA)**
- 960 WHYL PA **Carlisle** – 1/31 2213 – “Sing A Song” by Earth, Wind and Fire, announcer named song/artist and talked briefly about a coffee survey, ID at 2215 “...Good Time Oldies 960 WHYL,” bunch of ads (Geico, Go To Meeting, Jergens, MD Hearing Aids etc), “Here’s another classic hit...960 WHYL” into “These Eyes” by The Guess Who. Fair at times in station mix including WFIR to very poor. **(PS-ON)**
- +++ - 2/7 1655 – Strong on a very active band with oldies music from Chicago and Eric Clapton, insert “Oldies 102.9 WHYL,” fading, and later to a local personality at 1700. Not always a regular. Verified in the 1980s. **(JRM-PA)**
- WFIR VA **Roanoke** – 2/9 1800 – Good; “From the heart of Virginia’s Blue Ridge, this is WFIR Roanoke, WFIR news time is 6 p.m.” into ABC news. **(BC-NH)**
- 990 WNTI PA **Somerset** – 2/9 1800 – Under WDCX; “...990 WNTI Somerset” into Fox news, ex-WLLI. **(BC-NH)**



- 1010 WINS NY **New York** – 2/9 1800 – Under dominant CFRB with local weather with Lori and traffic; “10-10 Wins” slogans and 1010WINS.com website promos. **(HF-MI)**
- WIOI OH **New Boston** – 2/9 1742 – Call ID and big band music. One in the mix with CFRB, UNID Mexican music and gospel station. **(HF-MI)**
- 1040 WYSL NY **Avon** – 1/31 1655 – Sean Hannity Show, commercials for Gold (1-800-200-GOLD) and Infinity Enterprises. Lost at 1700 to CJMS and splatter from WBZ and WEPN; directional day signal goes South. **(TF-NH)**
- 1070 WGOS NC **High Point** – 1/27 0701 – In multi-station mix (WNCT, WINA, UNID preaching and ESPN) with SS programs, ID by female in EE: “This is WGOS 10-70 AM High Point...” New station for me. **(KK-VA)**
- 1080 WTIC CT **Hartford** – 1/23 0208 – Ad for CC Crane Skywave radio for only \$89.95, mentioning its shortwave coverage, into talk program featuring Visions of Science author James Seard. **(LW-NY)**
- WHIM FL **Coral Gables** – 2/5 0425 – Haitian kreyòl preacher and choral fill, badly over-driven audio which was the source and not the transmitter (a Haitian tradition), parallel also sloppy audio station stream. **(TLK-FL)**
- WNWI IL **Oak Lawn** – 2/9 1700 – Over usual WTIC with “Chicago’s super ethnic station at AM 1080, we are WNWI Oak Lawn-Chicago” ToH ID into Polish (or other Slavic language) program. **(MKB-ON)**
- WWDR NC **Murfreesboro** – 1/27 0724 – In multi-station mix with male “WWDR” ID into song. **(KK-VA)**
- WKBY VA **Chatham** – 1/27 \*0713 – In multi-station mix (WTIC, WWNL, WWDR, UNID talk, singing, Spanish and preaching) with male “Good morning. This is WKBY in Chatham Virginia...” sign-on. **(KK-VA)**
- 1090 KAAV AR **Little Rock** – 1/27 0627 – In multi-station mix (WKTE, WTSB, WBAL and UNID oldies) with male “10-90 KAAV” ID into music. **(KK-VA)**
- +++ – 2/4 2328 – On top with “Call to Worship” program from Holland, MI to 2330 call ID, into “Turning Point.” **(HF-MI)**
- 1110 WGNZ OH **Fairborn** – 1/28 0804 – Over usual WBT (or KFAB, which more often than not is heard here at local sunrise) with SRN news, “8:04 on the Gospel Great WGNZ” into gospel songs. **(MKB-ON)**
- WSLV TN **Ardmore** – 2/3 0728 – In WBT and UNID religious talk mix with songs from the 1980’s, jingle “WSLV...” New station for me. **(KK-VA)**
- 1130 WRRL WV **Rainelle** – 2/3 0603 – In multi-station mix (WBBR, WCLW, WPYB and UNID Spanish) with hot hits and many “Hot 95” slogans, “this is Hot 95 WRLB... 95.3 FM... and 90’s...” New station for me. I’m unable to find an official website for WRRL. radiogreenbrier.com shows Hot 95 as WRLB-FM. Nothing is shown at the site for 1130 AM. Old WRLB slogan was “Power 95.3.” Both 95.3 and 1130 are in Rainelle, WV. Thanks to DXers on the listserv for helping me solve this, at least for me, mystery. So, it seems WRRL switched from southern Gospel “Faith Radio” to Hot 95. **(KK-VA)**
- 1140 WCJW NY **Warsaw** – 1/29 1700\* – Over/under WRVA; sign-off, “WCJW AM now leaves the air, but today’s favorites and the legends continue on FM for Warsaw and the rest of Wyoming County at 103.7, in Batavia, Attica, Varysburg and the rest of Genesee County on 105.5, in Perry and all of Livingston County at 100.9, and in Le Roy, Avon and northern Livingston County at 104.3, this is western New York’s CJ Country, WCJW Warsaw.” **(BC-NH)**
- 1150 WJBO LA **Baton Rouge** – 1/29 0625 – Coast to Coast AM with entertaining guest discussion on serial killers, Fox News from 0630, “This is WJBO, 1150 AM and 97.7 FM” at 0634 then back to C2CAM with more stalker-killer joy. WTMP mostly nulled. **(TLK-FL)**
- WAVO SC **Rock Hill** – 2/9 1800 – Good; “You’re listening to WAVO, Wavo, 1150 AM and the greatest music ever made, WAVO Rock Hill-Charlotte.” **(BC-NH)**
- 1170 KFAQ OK **Tulsa** – 2/4 0659 – “Talk Radio 11-70” slogan into ABC News. WAVS day power up a few seconds after 0700, wiping it out. **(TLK-FL)**
- WDEK SC **Lexington** – 2/5 0520 – Eclectic blend of songs with Paul Jones (ex-Manfred Mann singer in the 60’s), Art Neville, Count Basie/Arthur Prysock, and Bill Deal who apparently was regionally popular in VA and the Carolina’s. Male, “You’re listening to the Best... Beach... and Beyond.” And “WDEK, Lexington-Columbia” at 0701. **(TLK-FL)**
- +++ – 2/5 0009 – Oldies (mostly Motown), female announcer mentioning “Beach, boogie, blues...” which is the slogan on their website [www.wdek1170am.com](http://www.wdek1170am.com).

ID heard at 0059 "...WDEK 1170." Poor to very poor under WWVA religious program. On after sunset, but probably not at 10,000 watts. **(PS-ON)**

1190 WCRW VA **Leesburg** – 2/4 \*0700 – Over WLIB; sign-on, "Good morning, and welcome, this is WCRW Leesburg-Washington, beginning the broadcast day," and instrumental national anthem. **(BC-NH)**

1210 WNMA FL **Miami Springs** – 2/5 0705 – "Jagged Little Pill" by Alanis Morissette into KC & the Sunshine Band, then ABBA "Voulez-Voulez" followed by several Spanish tropical vocals. Presumed the one, based on T. Simon's recent reporting of mostly 80's English language pop mixed with Latin vocals. **(TLK-FL)**

1220 WGNV NY **Newburgh** – 2/6 1700 – Over usual Cleveland monster WHKW with "To Know Him is to Love Him" by the Teddy Bears, "Oldies 98.9 and 94.6 WGNV-FM" ID (no mention at all of AM) into 1950s oldie "Earth Angel." This station seems to flip-flop between oldies and sports formats. Back to oldies for now. **(MKB-ON)**

1250 WRAY IN **Princeton** – 2/6 2025 – "12-50 WRAY" ID announced by Mike Gallagher and into the Mike Gallagher show. **(RJS-OH)**

1270 WXYT MI **Detroit** – 1/30 2122 – CBS Sports Radio with Super Bowl Talk. Ad for student loan forgiveness and then ID announcement by Jim Rome. **(RJS-OH)**

1290 WNBK NY **Binghamton** – 1/29 1815 – "WNBK 1290" station ID into political talk program. **(LW-NY)**

WHKY NC **Hickory** – 1/28 0745 – Sung call letter ID, public service announcement and into a days-old encore of Rush Limbaugh. **(RJS-OH)**

1310 WTLB NY **Utica** – 2/4 0700 – Over the jumble; "WTLB Utica, WRNY Rome, WIXT Little Falls, the home of the Yankees, ESPN Radio Utica-Rome." New log. **(BC-NH)**

1330 WEBO NY **Owego** – 1/29 1845 – "Newsradio 105.1 WEBO Owego" station ID into weather for the area then CBS news with Jim Taylor. **(LW-NY)**

**News Radio**  
Your Hometown  
1330 AM Station

**WEBO** 101.3 FM  
105.1 FM  
107.9 FM

+ 2/5 0601 – Good; "Celebrating 10 years of ownership under the Radigan Broadcast Group, from our showcase studio in downtown Owego, at 101.3 FM, 105.1, 107.9, 1330

AM, streaming on your computer and mobile devices, this is your hometown station, News Radio WEBO Owego-Candor-Waverly." **(BC-NH)**

WESR VA **Onley-Onancock** – 2/10 1740 – Over/under WHGM; Real Country and 105-7 Coastal Country slogans. **(BC-NH)**

1370 WLJW MI **Cadillac** – 2/7 1528 – Religious talk show to 1530, pleas to send money, multi-station AM and FM IDs: "The Source...Township, Cadillac and Charlevoix." Mainly over another talker. **(HF-MI)**

WVLY WV **Moundsville** – 2/5 0700 – Over usual pest WSPD with promo for Good Day Noon Day program "on AM 1370 WVLY Moundsville and [wvly.net](http://wvly.net)" into ABC news. **(MKB-ON)**

1380 WMJR KY **Nicholasville** – 2/2 1804 – Fighting usual groundwave pest CKPC with "Listener supported Relevant Radio" slogan, EWTN Relevant Radio news, promo for events at Mary Queen of the Holy Rosary Church in Lexington. **(MKB-ON)**

WNRI RI **Woonsocket** – 2/4 1700 – Fair; "WNRI and W236CW Woonsocket, 1380 AM and 95.1 FM." **(BC-NH)**

WHEW TN **Franklin** – 1/22 1839 – Spanish language upbeat music, brief Spanish talk between songs with "...Bonita..." mention at 1842, more music. Fair to very poor with other SS station (talk only). // Tune In stream. **(PS-ON)**

1390 WEOK NY **Poughkeepsie** – 2/5 1659 – Over/under WRSC; "Juan, tocando lo que le gusta," into an emotive Spanish rock vocal. **(BC-NH)**

1420 WIMS IN **Michigan City** – 1/24 2222 – PSA about using child safety seats and into classic hits format. **(RJS-OH)**

WCOJ PA **Coatesville** – 1/18 1705 – Discussion of Bible verses, the story of loaves and fishes, "Holy Spirit Radio – Catholic programming for the Delaware Valley" slogan, soon gone. **(TF-NH)**

1440 WNYG NY **Medford** – 2/5 1700 – Under WRED; talk in Spanish, canned WNYH ID. **(BC-NH)**

1460 WTKT PA **Harrisburg** – 2/4 0700 – Over usual CJOY groundwave with iHeartRadio promo, "The Ticket, WTKT Harrisburg...Fox Sports 1460" ToH ID into Fox sports news. **(MKB-ON)**

WBUC WV **Buckhannon** – 2/5 0600 – Fair; easy listening instrumental, "AM 1460 WBUC Buckhannon, a West Virginia Radio Corporation station." New log. **(BC-NH)**

- 1520 WTRI MD Brunswick – 2/4 1350 – Very good signal mixing with a weaker WWKB during unusual daytime skip. ID as “Radio Chai” and ads in English. (HJH-PA)
- 1560 WFSP WV Kingwood – 2/5 0600 – Way under WFME New York; “...WFSP Kingwood,” into network news. (BC-NH)
- 1590 WHGT MD Maugansville – 1/18 1630 – Way atop frequency with the Children’s Gospel Hour, a Mr. Rogers type show with nice hymns, mixing with WARV, WPSN and others, 1700 ToH ID: “WHGT, the Witness of Hagerstown, Maugansville-Hagerstown” owned by some “temple,” new for me, soon gone. (TF-NH)
- 1590 WPSN PA Honesdale – 1/18 1638 – Dave Ramsey Show, ID for 104.3 and 1590, new here for me. (TF-NH)
- 1600 WHIY AL Huntsville – 2/6 2000 – Faded up with ToH ID and immediately into urban oldies and blues music format, playing “You & Me” and “I’m That Man.” (RJS-OH)
- WWRL NY New York – 2/4 0700 – Fair; “You are listening to WWRL 1600 AM New York and WKXW 101.5 FM HD2 Trenton, Radio Zindagi. Now in New York, New Jersey, Connecticut, Pennsylvania, and Delaware, we welcome our new listeners in Trenton... Atlantic City, Philadelphia, Easton, and Wilmington, Delaware,” into Fox news. (BC-NH)
- 1630 KCJJ IA Iowa City – 2/4 1800 – “This is 1630, KCJJ Iowa City” ToH ID, swapping dominance on the frequency at 1900 with an UNID station. (CR-VA)
- 1640 WSJP WI Sussex – 2/10 0900 – Noted fully two hours after local sunrise with call-in fundraising event for Catholic mission. (CR-VA)
- 1700 WRCR NY Ramapo – 2/7 1710 – Well on top with non-stop Indian pop tunes. (HF-MI)
- KVNS TX Brownsville – 2/5 0600 – Under WJCC; “From the... dot com studios... this is KVNS Brownsville and the Rio Grande Valley, Fox Sports 1700.” (BC-NH)

# DX Toolbox

Shawn Axelrod, 30 Becontree Bay, Winnipeg R2N 2X9 (Canada) [amandx@mymts.net](mailto:amandx@mymts.net)

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 89 and my 100th column for the NRC.

## The Way Back Machine:

Toronto in 1981: <https://www.youtube.com/watch?v=N6VBFoSTnjM>

Lots of commercials and ID’s from the radio stations in Toronto ON (do I have to say Canada?). A great collection of air checks from Toronto posted on You Tube for you to listen to, including long gone CKO-FM.

Also have a listen to: <https://www.youtube.com/watch?v=thD-TantGgE>

With radio airchecks of Q107 WHTT WBLK WKSE CKFM CKDS 97Rock WWKB WJL WYRK CHRE WPHD CFNY WCK (ERIE) WBUF

## When the Prime Minister of Canada Calls Your Request Line

You really never do know when someone is going to call for a request...

We were off air and prepping for the next day when this call came in, so of course we went back to air for this...

<https://soundcloud.com/user-287832362/justin-trudeau-requests-a-song>

Yes in Canada the head of the government will call up your local station and request a tune while driving through. And yes, he asked for a Canadian tune by “The Hip.”



## Bits and Bites from the NRC listserv:

From: Mark Durenberger

Re: Meeting Notice

Just had to post this, to prove you really have to be careful what you say. In this case a comment made 16 years ago has come home to roost.

This is a meeting notice for Minneapolis-area broadcast engineers: “There will be a short business meeting tomorrow followed by Mark Durenberger giving us information on the FCC noise proceedings. Mark is a long time engineer in the Twin Cities market with over 50 years of service to the broadcast community. He is most recently associated with the Minnesota Twins Organization. In 2001, Mark was inducted into the Minnesota Broadcasters Hall of Fame for his contributions to

broadcasting. At the time he was quoted as saying: "This satellite and TV stuff is okay...it brings in the money. But there's NOTHING as much fun as AM DX'ing!" :-))

From: Bill Whitacre, Alexandria VA  
 Re: New Mediumwave Propagation Project

If you're interested in radio propagation and how geomagnetic indices effect what you hear on Mediumwave, there's a project you should know about. Graphs of the last 60 days of the daily average of the 2MeV electron flux, A-index, K-index, Dst and solar wind plus a numerical index of Nick Hall-Patch's daily Victoria, BC TP and DU reception quality can be found here:

[http://tivodxer.com/jpgraph\\_example\\_multigraph1.php](http://tivodxer.com/jpgraph_example_multigraph1.php)

Not only are pertinent geomagnetic indices shown on the same page for the same period for your comparison, but we've added actual reception data to the graph. Our hope is that this will allow us to find some new correlations between reception and what the sun is doing, as well as validate or refute some existing theories. Involved in this project are Nick Hall-Patch as chief scientific consultant and contributor of the reception index, Mauno Ritola as sanity check and contributor of the 2MeV electron flux, and Bill Whitacre as curator and 'scraper' of data. In the works is a way to let you select a date range and get back results. We're also interested in your observations that confirm or refute 'common wisdom' about propagation.

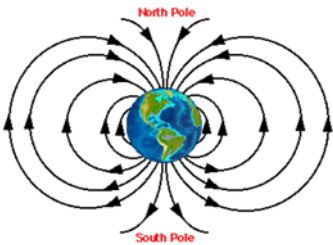
From: Mark Connelly, WA1ION South Yarmouth, MA  
 Re: New Mediumwave Propagation Project

I think that the Topband list (160m ham) members could also offer useful input to the study. Nick Hall-Patch "reads the mail" on that list and occasionally contributes.

East Coast observations can be mined out of various sources (Facebook, Yahoo groups, NRC e-list/bulletin, IRCA e-list /bulletin, etc.). Look for regular contributions from DX'ers in Atlantic Canada and the New England states: the areas where TA's and deeper Latin Americans are most likely to be observed. Going back 60 days gets you into the timeframe of several DX'peditions that occurred in November. These include NL, PEI, ME, MA, NJ, and PA. Those reports should provide a lot of data points to augment all the West Coast stuff.

73 for this time Shawn

**Remember On A Clear Day You Can Hear Forever**



# Geomagnetic Indices

Geomagnetic Summary January 2017

Via Phil Bytheway – Tabulated from email status daily (K = 0000 UTC).

Date	Flux	A	K	Space Weather	16	78	2	1	no storms
1/ 1	73	14	2	no storms	17	79	4	1	no storms
2	73	7	1	no storms	18	79	17	4	no storms
3	73	12	3	no storms	19	80	11	2	no storms
4	72	11	4	no storms	20	83	11	3	no storms
5	73	18	4	no storms	21	86	11	4	no storms
6	72	16	3	no storms	22	<b>87</b>	9	2	no storms
7	72	20	3	no storms	23	84	4	2	no storms
8	72	16	4	no storms	24	82	3	1	no storms
9	71	12	3	no storms	25	85	6	1	no storms
10	73	10	3	no storms	26	83	13	3	no storms
11	75	8	2	np storms	27	80	<b>21</b>	2	no storms
12	76	5	1	no storms	28	79	9	3	no storms
13	75	4	1	no storms	29	77	7	1	no storms
14	77	4	2	no storms	30	77	6	3	no storms
15	78	5	1	no storms	1/31	76	24	5	<b>minor, G1</b>

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

Visit the NRC on Facebook: <https://www.facebook.com/groups/509246815818550/>



# International DX Digest

Bruce Conti, 46 Ridgefield Drive, Nashua NH 03062-1174, [contiba@gmail.com](mailto:contiba@gmail.com)

For loggings of outside the U.S. and Canada

All times are Universal Coordinated Time (UTC)

## TRANS-ATLANTIC DX

- 153 **ROMANIA** *Antena Satelor*, Brasov FEB 2 2245-2257 - Fair with Eastern European folk music. ID 2257 "Antena Satelor" by man in presumed Romanian. Noted exactly parallel to the WebSDR at Twente, Netherlands. First time heard. [DeLorenzo-MA]
- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador FEB 2 2241 - Good with English R&B tune and male DJ in French. [DeLorenzo-MA]
- 183 **GERMANY** *Europe 1*, Felsberg FEB 2 2238 - Good with French teletalk (female host and female caller). Best signal from this one in months. [DeLorenzo-MA]
- 189 **ICELAND** *Ríkisútvarpid*, Gufuskálar JAN 24 2250-2257 - Good with hard rock followed by male DJ in Icelandic taking 6-minute phone and back to hard rock. [DeLorenzo-MA]
- 198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al. FEB 2 2236 - Good with news regarding NATO and Trump-Putin relationship. [DeLorenzo-MA]
- 216 **FRANCE** *RMC Roumoules* FEB 2 2307 - Fair with man and woman in French but losing to beacon CLB by 2308 UTC. [DeLorenzo-MA]
- 252 **ALGERIA** *R.Algerienne*, Tipaza FEB 2 2309 - Loud and clear with cover of Dionne Warwick's "Walk On By" and male DJ in French. No sign of Ireland at this time. [DeLorenzo-MA]
- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche JAN 25 2245-2252 - Fair with lively dance music, jingle "Jil FM" followed by more dance music. Parallel to webstream. [DeLorenzo-MA]
- 1467 **FRANCE** *TWR Roumoules* FEB 9 2300 - Undoubtedly this signing off with carrier cut on the hour; too much interference from 1470 WLAM to get any audio. [Conti-NH]
- 1521 **SAUDI ARABIA** *SBC R.Riyadh*, Duba FEB 4 2252-2300 - Fair; male religious vocal with violins. Man in Arabic 2259:45, pips at 2300 into news headlines with 'stingers' between each item. [DeLorenzo-MA]

## PAN-AMERICAN DX

- 650 **COLOMBIA** HJKH, *RCN Antena 2*, Bogotá JAN 30 0220 - Spanish talk by various male announcers (one with a lightly raspy voice), heard various mentions of South American countries (possible news items?) with time pips up to 0230 hours and a mention of Columbia at the end of segment. Fair at times to very poor with WSM and WVMT. Parallel to Tune In stream (a few seconds behind). [Snider-ON]
- 690 **MEXICO** XEN México, DF FEB 4 0600 - Under CKGM, over *R.Progreso*; choral national anthem. [Conti-NH]
- 690 **MEXICO** XECS *La Mejor*, Manzanillo, Col. FEB 3 0405 - Been trying to ID this one for a few days. Mexican style Spanish language music, possible ID's by male announcer, frequent quick talks by female announcer, possible ads, multiple "La Mejor" and "La Mejor Música" ID's at 0443. Fair at times to very poor mostly under CKGM. Parallel to Tune In stream. [Snider-ON]
- 700 **MEXICO** XEETCH Etchojoa, Son. FEB 8 1328 - Indian drumming and fluting vs WLW. Presumed the indigenous station often audible around sunrise here, XEETCH, 5 kW daytimer, *La Voz de los Tres Rios*. [Hauser-OK]
- 730 **MEXICO** XEX México, DF JAN 28 1146 - Scorpions "Winds Of Change" then female "W Deportes" into Poison "Something To Believe In" and same female liner then promo for fútbol game on *W Deportes*, into "Friday On My Mind" by The Cure, another game promo, truncated anthem from 1158, female canned ID with calls, slogan, frequencies into Bad English "When I See You Smile" then "Take My Breath Away by Berlin. This is the former sports format TDW Radio, and apparently just switched slogan, per Wiki: "The sports format continued through January 5, 2017, when TDW Radio bid farewell to its listeners. The station was relaunched the following Monday as W Deportes." So if it's sports as the slogan and program promos indicate, why all the English language rock? [Krueger-FL] FEB 4 0600 - Under CKAC; choral national anthem, then "W Deportes" announcement. [Conti-NH]
- 750 **VENEZUELA** YVKS *RCR Caracas* JAN 27 2300 - Over/under WSB; "RCR 750 AM porque lo bueno une." [Conti-NH]
- 760 **MEXICO** XEABC México, DF FEB 4 0600 - Under WJR; choral national anthem. [Conti-NH]
- 790 **MEXICO** XERC *Formato 21*, México, DF JAN 28 1208 - In passing with news alternating between man and woman, slogan ID. [Krueger-FL]

- 790 **VENEZUELA** YVXM *R.Minuto*, Barquisimeto JAN 28 0435 - Spanish language music, "Radio Minuto" ID at 0437, brief "reflexion" and talk by announcer, *R.Minuto* jingle in Spanish, female vocal song. Fair to poor in mostly on top of station mix with *R.Relej* Cuba sometimes audible. Parallel to Tune In stream. [Snider-ON]
- 890 **CUBA** *R.Progreso*, Chambas FEB 2 0544 - Romantic song in Spanish on east/west antenna without needing to null WLS, same parallel two syllables later on weaker 900 kHz. This means it has to be *R.Progreso*. So I also try to detect a parallel on 880 beneath KRVN, KHAC and whatever: almost positively. That would be 12 kW at nearest Pinar del Rio-San Juan. 900 is one of Cuba's most powerful single MW transmitters, the other 200 kW being the main *Rebelde* on 710 but lots of relays also there to block "wacky" WAQI Miami. 0545 *segué* to a more upbeat song, and on 890 I can tell the modulation is distorted. Soon WLS fades back up overtaking. [Hauser-OK]
- 1080 **CUBA** *R.Surco*, Ciego de Avila JAN 14 0600 - Under WTIC; canned ID parallel 1140 kHz. [Conti-NH] JAN 29 1035 - Latin jazz and soft Cuban vocals, male canned "Esta es CMIP Radio Surco" at 1100. Unlike last week, no broken anthem noted at 1100, so if cutting out of an overnight patch such as *Progreso*, it happened today well before 1100. Parallel 1140 kHz. FEB 4 0914 - Cuban folk vocals, parallel 1140 kHz in passing. [Krueger-FL]
- 1110 **MEXICO** XERED *R.Red*, México, DF FEB 4 1131 - Presumed the one with female mostly Mexico news items, pointing that way. Some WBT and WTOF co-channel still. [Krueger-FL]
- 1140 **CUBA** *R.Rebelde*, Aguada//Caribe//Circunvalación//Guantánamo-La Piña FEB 10 0600 - In mix with CBI and WRVA; "Rebelde la Habana, emisora de la revolución," and time marker. [Conti-NH]
- 1220 **CUBA** *R.Caribe*, La Fe FEB 3 0343 - Possible soccer match with mentions of Radio Caribe, some sort of promo with multiple "Caribe Radio" mentions. Poor to very poor with usually dominant WHKW and WSLM (heard "My Country" ID). [Snider-ON]

#### TRANS-PACIFIC DX

Transpacific carrier search FEB 8 1317-1325 - 657, 684, 702, 774, 792, 828, 837, 882, 1566 kHz; all looping west/southwest from down-under, except 1566-northwest, surely Korea. Local sunrise here 1326 UTC, now earlying 1 minute per day. I'm not always awake in time to check for these, but my neighbor Richard Allen near Perry always seems to be, and reported to IRCA: "Pre-sunrise carrier signals heard on 612 and 702 kHz from DU direction, both strong at times. What's going on? There appears to be no correlation between solar activity and propagation!" WWV had reported at 1200 solar flux 72, K-index 1, no storms. [Hauser-OK]

#### QSL INFORMATION

- 1503 **SPAIN** RNE5 Lugo - My November follow-up marathon has resulted in one more response by registered mail. RNE5 1503 kHz, first reported January 27, 2006. So this one took 11 years to get back to me. Unusually, the responder notes that there are two stations, one in Lugo and one in Cadiz. He opted to name Lugo on the card, with 2 kW. Signer is Jose Antonio García Merino, Direccion de Medios. [Renfrew-NY]

#### CONTRIBUTORS

Bruce Conti WPC1CAT, Nashua NH; WinRADiO Excalibur, MWDX-5, variable termination SuperLoop antennas 15 x 18-m 60° northeast and 15 x 23-m 180° south.  
 Marc DeLorenzo, South Dennis MA; JRC NRD-525, 60 x 90-ft east/west and 60 x 90-ft north/south dual feedline Delta antennas with remote variable termination.  
 Glenn Hauser, Enid OK; NRD-545 with ALA-330S or north/south not very long wire, DX-398 or PL-880 with internal antenna only, sometimes IC-R75 with ~100-ft east/west longwire.  
 Terry L. Krueger, Clearwater FL; NRD-535, IC-R75, wires, active loop.  
 Jim Renfrew, Clarendon NY.  
 Paul Snider, Welland ON; ICOM R75, Pixel RF Pro-1B Loop, MFJ-1020C as tuner.

73 and Good DX!

## Unreported Domestic Stations

Two issues in a row with no stations reported in DDXD this issue for the first time since at least 1999-2000 (Volume 67). We hold at 428 stations on the unreported list. The full list was last printed in issue 83-19. Can you hear one and report it next time?

## Legendary Broadcaster in Ecuador Now Quiet on AM Dial

by Ralph Kurtenbach

<https://calloftheandes.wordpress.com/2017/01/16/legendary-broadcaster-in-ecuador-now-quiet-on-am-dial/> (via Ken McHarg)

Hours prior to noisy celebrations as Ecuadorians welcomed 2017 with fireworks, an evangelical radio station with history dating to the nation's earliest broadcast media went silent on the AM frequency band at 9 p.m. Saturday, Dec. 31.

The last song to play featured panpipes and stringed instruments accompanying women singing a Christmas song in the Quichua language followed by comments in the same language by Luis Santillán.

Earlier in 2016, signal strength from its 50,000-watt transmitter had been reduced and airtime pulled back in keeping with the decision made by the board of trustees of partner HCJB Ecuador to not file with the Agencia de Regulación y Control de las Telecomunicaciones (Telecommunications Regulatory and Control Agency or ARCOTEL) for renewal of the 690 kHz frequency.

It was a frequency that HCJB La Voz de los Andes (HCJB The Voice of the Andes) had held since 1974 on the medium wave (AM) dial. The silencing of 690 AM came seven years after shortwave broadcasts were terminated from the international transmitter site at the nearby town of Pifo.

HCJB's first programs aired on Christmas Day, 1931, when there were a dozen or perhaps fewer radio sets in the Ecuadorian capital, Quito. Nevertheless, a telephone call afterwards convinced its founding families that their program of Christmas carols and preaching had been heard. Since then the programming has offered listeners Christian teaching, music, public affairs reporting, news and more.

The station operated under the auspices of World Radio Missionary Fellowship, Inc., which has used different mission agency names throughout the years, including HCJB World Radio, HCJB Global and as of 2014, Reach Beyond.

Down through the decades, history has been recorded as HCJB-AM's announcers and journalists have told of events in Ecuador and elsewhere. In January 1956 the station was instrumental in informing the world that five evangelical foreigners had been speared to death in Ecuador's Amazon rain forest during a risky overture to take the gospel to the Waorani, then an unreached tribal group.

Reporters for the religious station also told listeners in May 1981 of the deaths in a plane crash of Ecuadorian president Jaime Roldós, along with his wife and others. Via the airwaves, HCJB listeners were warned over the years of threats of volcanic eruptions and informed of devastation by earthquakes and other natural disasters.

Diverse cultural aspects of Ecuador were showcased in interviews with unique musical styles from the nation and the region featured daily. Few if any aspects of Ecuadorian life were left untouched by the station's coverage, and some of its announcers became household names to listeners.

Prior to 1974, HCJB used 974 kHz (circa 1935 to 1950) followed by a shift to 700 kHz in 1951. The shift to 700 was "for better reception with the signal reaching at least to Connecticut in the U.S. at times," according to missionary Duane Birkey.

Throughout its history HCJB has been a not-for-profit entity. Its advertising, therefore, is limited but audience shares are important. Some of the AM programming has been carried as simulcasts on FM 89.3 in Quito and on FM repeaters elsewhere throughout the Andean country. While these will continue and some of the other AM programs will pass to FM, most of them will not as FM has a more musical format.

HCJB Ecuador, an Ecuadorian foundation formed in February 2014, operates autonomously but still in close relationship to the U.S.-based founding agency, according to Anabella Cabezas, whose time as the station director began when it was still operated by Reach Beyond.

When the mission agency determined in 2012 that HCJB should become independent, Cabezas said, "Reach Beyond's leadership established that we would work as ... strategic partners," Cabezas explained, adding that "in that relationship ... we will continue to work closely, because [the entity] that does media, or the ministry of communications in the Latin America region, is not Reach Beyond; it is HCJB."

A press release from the station on Friday, Dec. 30, emphasized that silence on AM 690 does not signify an abandonment of media work as broadcasts will continue on FM. Also, a youth website, Control Z, exhorts online viewers and listeners to consider a life-changing event—an encounter with Jesus.

Programming in the Quichua language formerly carried on the AM station will now be available on MP3 players (with more than 1,000 hours of content) and/or access livestreamed programs at radiohcb.org. Some Quichua programs will also air on the FM station on weekends.

Additionally, “HCJB continues transmitting in association with Vozandes Media via the regional shortwave frequency, 6050 kHz, to the following nationalities and indigenous peoples: Chachi, Shuar, Cofán, Waorani and Quichua.”

Vozandes Media became an Ecuador-based organization in 2009, composed of producers from the station’s German Language Service, Die Stimme der Anden (Voice of the Andes). In addition to airing languages indigenous to Ecuador, its staff until recently produced and distributed German-language programming for use in Europe and via the internet.

The press release states that four local FM frequencies in Ecuador will continue as well: 89.3 MHz Pichincha, 92.5 Manabí, 96.1 Tungurahua and Cotopaxi, and 98.3 Esmeraldas. “News, music, doctrinal programs and cultural programming will continue on our schedule,” the press release reads.

“With technology changes lately, the public has developed new habits for radio listening,” the statement explained, “and so La Voz de los Andes continues adapting to new communication trends.”

Whereas several years ago, frequency bands were oversaturated in Ecuador’s two largest cities (Quito and Guayaquil), ARCOTEL in 2016 received just 73 applications for AM frequencies nationwide.

The number of FM frequency applications has surpassed 1,000. One of those was HCJB’s, according to Geoff Kooistra, services director for the ministry in Quito.

With “less than one point shy of the maximum 100 points,” HCJB met approval from ARCOTEL, qualifying the station for a second round with another agency, Consejo de Regulación de la Información (Information Regulation Council), Kooistra said. “Results from that may come as early as the end of January, but we shall see.”

## Adopt an Insurance Policy for AM Pioneers

By David Honig – Jan. 23, 2017

<http://www.radioworld.com/columns-and-views/0004/adopt-an-insurance-policy-for-am-pioneers/339013>

*The author is president emeritus and senior adviser of the Multicultural Media, Telecom and Internet Council.*

MMTC’s 30 years have been wrapped up in AM radio. As the heritage communications technology for minorities, AM has been the voice of the voiceless, the training ground for the underserved and the place to get on the air if most of your audience isn’t fluent in English.

As a nonprofit, MMTC has had 10 AM stations donated to us. We’ve used them to train new entrants to become owners programming black gospel, Spanish and Hmong.

MMTC recently published a series of recommendations for the next FCC, including a recommendation to create an AM Glidepath. Some people thought this meant that MMTC wants to decommission the AM band. That’s not the case at all. Radio World invited us to explain not only our recommendation but the history of MMTC’s journey around the AM band.

### WORTH SAVING

In 1979, I was part of the State Department’s World Administrative Radio Conference delegation in Geneva, where I helped negotiate the Western Hemisphere’s new AM treaty arrangements. That got me hooked on AM.

When MMTC founded our media brokerage in 1997, we began specializing in AM transactions. Over the years helping buyers and sellers, I rode shotgun with lots of engineers visiting failing AM stations, and it was heartbreaking. These weren’t the 50 kW clear channel blowtorches whose audiences rivaled the 100 kW monster FMs. Those heritage AM market dominators will do quite well — even without the millennials who shun AM, even without the mobile devices that don’t carry AM.

The AMs I got to visit and to sell, sometimes for a few thousand dollars, were the “sad sacks” of the AM band: small-market daytimers with aging audio chains, temperamental transmitters, audiences older than me (and Truman was president when I was born), negative cash flow, zero audience ratings book after book, huge sums invested but no buyers except at token prices that would be insulting if they weren’t real.

Getting to know these AM pioneers — moms and pops who were giving their lives to their communities using this quirky 107-year-old technology — convinced me that the Federal Communications Commission needed to take dramatic steps to save the band.

“But AM is just a bunch of anti-civil rights right-wingers,” more than one friend told me. “Let it go.”

My answer to this was “So?” The bulk of minority communications investment was and is on AM. The vast majority of multilingual radio service is on AM. I’m not going to let these folk down just because someone else benefits too.

Besides, I'd be a hypocrite if I didn't fess up to having been a conservative talk impresario for a while. Here's how *that* happened:

A few years ago, someone with a sense of humor donated the Multicultural Media, Telecom and Internet Council a right-wing conservative talk AM station. It featured "The Blaze" and came with a first-rate audio chain.

I studied the market — and what do you know, the format hole was indeed conservative talk. The audience liked the programming, which included some nonpartisan, informative, non-ideological local talk.

MMTC — a nonpartisan civil rights organization — feels strongly that minorities need to become qualified to work in every radio format. So we kept the format and we used the station to train minorities in conservative talk. We actually ran Glenn Beck in afternoon drive, because he belonged there.

Yeah, I usually disagreed with what he had to say. And I could have hit the "kill switch" at any time, but I never did. I felt that our audience in Augusta, Ga., had a better handle on what they should be hearing than I did in Washington, D.C. Besides, I always wondered how Mr. Beck felt about being carried on an affiliate owned by a mainstream civil rights organization. Maybe it calmed him down a bit.

So that's the story of MMTC's journey into AM. That explains why we set out to do everything we could do to extend the life of the band.

We knew that AM, like a shopping mall, could collapse entirely if the anchor stores failed. So we sought solutions for the entire band, not just for the small failing stations.

### **RESCUE PLANS A AND B**

In 2010, our "Radio Rescue Committee" had a Plan A and a Plan B.

Our Plan A was to join forces with the Broadcast Maximization Committee and ask the FCC to allow AM to migrate to TV Channels 5–6, where the stations would become frequency modulated and triple in value.

That wasn't in the cards. The FCC wanted those channels for the DTV incentive auction.

But thanks to the initiative of Commissioners Ajit Pai and Mignon Clyburn, and the advocacy support of the National Association of Black Owned Broadcasters and National Association of Broadcasters, we got our Plan B: AM-only translator windows that are saving a boatload of AM stations from economic oblivion.

The FCC still can do more to extend the life of AM. We've asked the commission to deregulate outdated rules on minimum staffing, nighttime interference and some of the public file rules that predated the digital age.

And for our part, we can lengthen AM's life by continuing to tell radio's story with enthusiasm and verve. It's OK to "accentuate the positive."

Advertisers certainly need to understand that those of us who love AM do not want it be "decommissioned," as a couple of recent headlines inaccurately suggested.

Instead, what we want for AM, and for AM pioneers, is the same thing we want for our parents and spouses: a good life insurance policy.

### **INSURANCE PLAN**

Having life insurance doesn't mean we want our loved ones to die. What it means is that we don't want our loved ones' families to suffer if/when those loved ones do die.

Why does AM need life insurance? Is it in danger?

Let's be really honest, folks. In the short run, no. But in the long run, maybe. Someday — perhaps as soon as 30 years from now — AM may be doomed to go the way of the telegraph service, whether we like it or not. And we won't like it.

We certainly are not asking the FCC to hasten that event. Instead, we want the commission to do everything it can to avoid or postpone it.

The nightmare we need to avoid is the nightmare families face when they didn't arrange for life insurance: The AM band becomes unsustainable, and AM pioneers, who've struggled to serve the most underserved communities, get told "Sorry, you are out of luck — thank you for your service to your country. Now go away." That would be morally wrong, and we cannot allow it to happen.

What would be a good life insurance policy for the AM band?

There are two key elements.

*First*, we want the FCC to start a process that could lead to lengthening the life of the band by compensating licensees at fair value in exchange for surrendering their licenses, and enabling AM broadcasters to transition their programming to other platforms. The FCC could do that by starting now toward planning for the compression of the band from its present 535–1705 kHz to (for example) 535–1005 kHz, and going from 10 kHz spacing to 20 kHz spacing. Such a band would accommodate fewer stations, but the stations would be much more competitive and they — and the AM band — would have a fighting chance at surviving decades longer.

*Second*, we want the FCC to think three or four decades ahead, toward the inevitable day when AM might no longer be sustainable. If that happens, what other communications services could use AM spectrum? Could it be used for meter reading? The Internet of Things? Drones? The FCC is not known for expedited action, so it ought to start early by convening the best engineering minds to think about these questions. In this way, the federal government could be in a position to offer AM owners fair value for their assets, rather than just letting their companies die if the band dies.

Now, we're not sure what the correct parameters are for this kind of plan.

Should the band be compressed? How far? If stations want to continue to operate, but on lower frequencies, who will pay for their relocation? Should we go to wider spacing and perhaps higher power?

How much skywave protection will we need; can we convert day-timers into full-timers someday in much of the country? Should we go back to the 100 kW "flamethrower" era when two massive signals cover the nation for public safety purposes?

If licensees want to cash out, will the federal government buy their spectrum and redeploy it for such uses as air navigation, sonar, Internet of Things, drones, meter reading, crop irrigation or uses not yet contemplated — and who will pay for this, and over how many years will it be paid for? Finally, where will AM programming go to find a new home, so the public doesn't lose a valuable service?

This is a good time for our AM Glidepath Taskforce to be asking these kinds of questions.

As of early January, it appears likely that Commissioner Ajit Pai will become acting (and possibly permanent) FCC chair. Not since former Broadcast Bureau Chief Ken Cox was a commissioner in the 1960s and 1970s and Jim Quello served in the '80s and '90s has there been a greater supporter of AM radio on the 8th floor of the FCC. Commissioner Pai *loves* and understands radio. When we share with him how the FCC has undervalued and ignored radio in preference to newer "shiny things" in the so-called broadband era, he gets that.

To summarize: We don't want AM radio to be decommissioned. We would dearly love to see AM expand and thrive. What we're hoping the FCC will do is give struggling AM owners an insurance policy: the voluntary option, in a few decades, of exiting honorably and with compensation at full value, rather than being forced out against their will if the band crashes 30 years from now due to FCC neglect or inevitable market conditions attendant to new technology.

We need help figuring out the answers, and we sincerely want and need the support of all who love and support AM radio. Please email us with your thoughts, criticisms, ideas and prayers at [dhonig@mmtconline.org](mailto:dhonig@mmtconline.org).

## What Happened To AM Radio (That's Not A Question)

Fred Lundgren, Radio Ink, Dec. 28, 2016

<http://radioink.com/2016/12/28/happened-radio-thats-not-question/> (via Ron Schiller)

On Christmas Eve morning, the electricity went off at our house and panic quickly spread among our younger guests. First, the TV sets went dark. Then, the desktop computers began to die as UPS back-up batteries failed. For a while, we were reassured by the sound of familiar alarms, but then suddenly, total silence. Could this be the end times? Is this the apocalypse?

Smart phones were quickly deployed and guests began calling each other from room to room. The panic began to subside when several millennials volunteered communal usage of their wireless data plans. The kingdom would be saved...crisis abated.

My wife and I reassured everyone that our electric bill was paid, while we quietly looked up a receipt to confirm it. To be more certain, I asked my son-in-law to go on a neighborhood reconnaissance mission and call the electric company. A few moments later, he returned with a full report. The power was off for 3,000 homes in Katy, Texas. Thank you Center Point Energy.

As the younger generation huddled around the smart phones with unlimited data plans, I began to think of the outage as an opportunity to listen to AM radio, so I went to my office and dusted off my old RCA SuperRadio III.

I couldn't remember the last time I replaced the batteries, but to my surprise, it came to life with its signature popcorn sound when I pushed its big silver button. *It's alive!* Wow...the AM band was extraordinarily quiet and responsive.

I scanned across the dial from 610 AM to 1590 AM. All the stations were as clear as a bell. Then, I decided to press my luck. I tuned to KTSA 550 AM in San Antonio and then I moved the dial slightly to the right and heard KLVI 560 AM in Beaumont, Texas. Every station was booming in loud and clear. I felt like a child with a new toy. I dialed up and down the band, experiencing the clear booming sound of AM radio without any noise or interference. It was a feast for the senses. It was beautiful.

After a few minutes, one of my daughters walked in and asked about the source of my entertainment. I pointed to my SuperRadio and said joyfully, "Listen." She looked at the big black

box and asked, "How can you listen with the Internet and electricity off?" I responded, "It's my portable SuperRadio III." Before I could explain further, she shrugged her shoulders, closed the door, and went back upstairs, convinced that her Dad was conducting some sort of high-tech experiment.

In a manner of speaking, her assumption was correct. I was listening to AM radio in a big city without the interference of computers, wireless modems, and an overloaded electrical grid. For the first time in my recent memory, the "Senior Radio Band" sounded beautiful. Sadly, my experiment ended with preordained results when the electric power was restored.

Instantly, the noise on the AM band was so bad inside my home that it even interfered with KTRH 740 AM, the legacy 50 kW blowtorch of Houston. Other powerful stations like KGOW 1560 AM and KSEV 700 AM couldn't override the noise, so obviously the lower-powered stations didn't have a chance.

My impromptu experiment reaffirmed that noise injection is literally destroying AM radio, which is the most efficient form of point-to-multi-point communications ever created in the history of the world.

As a class, AM radio licensees and AM listeners have been severely damaged. The "goodwill value" of many AM stations has evaporated.

I think it could be successfully argued in a federal courtroom that AM station licensees and AM listeners have not received "due process." The FCC, by its failure to regulate interference, has aided and abetted those who are causing the interference. Their inaction has allowed every POS imaginable to take a steaming crap on the sound of AM radio.

The damage is real and probably totals tens, if not hundreds of billions of dollars.

The manufacturers, distributors, and retailers who market AM noise-makers have recklessly caused irreparable harm to AM radio and it's time for us to fight back as a class and make them pay.

*Fred Lundgren is the CEO of KCAA (Yoma Linda, CA) and can be reached by e-mail at [ceotwo@comcast.net](mailto:ceotwo@comcast.net)*



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