

DX News

Serving DXers since 1933



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Inside this issue . . .

2 ... AM Switch	10 ... International DX Digest	15 ... DX Toolbox
6 ... Domestic DX Digest West	12 ... From the Archives	17 ... IRCA Convention 2018
7 ... Domestic DX Digest East	12 ... Pro Sports Networks	18 ... Geomagnetic Indices
9 ... Space Weather Forecast	13 ... Unreported Station List	19 ... Club Info Page

From the Publisher: Thanks to Bill Hale for volunteering to resume his role as DDXD-West editor. Bill has been a DDXD editor (East, West, and North, at least) for decades and we're glad to have him back with the column again. His contact information is in this issue's column on page 6.

Kraig Krist is stepping down as Graveyard DX Achievements editor. If anyone is interested in taking on this task, please contact the publisher. And I'd still like to have some college sports networks this fall – if anyone wants to take on finding network lists, we have volunteers to organize them for publication. Interested in either? Contact NRCDXNews@gmail.com.

Volume 85-86 DX News Schedule

No	D'dline	Print	10	Jan. 25	Feb. 4
20	Sept. 7	Sept. 17	11	Feb. 8	Feb. 18
1	Sept. 21	Oct. 1	12	Feb. 22	Mar. 4

2	Oct. 5	Oct. 15	13	Mar. 15	Mar. 25
3	Oct. 19	Oct. 29	14	Apr. 5	Apr. 15
4	Nov. 2	Nov. 12	15	Apr. 26	May 6
5	Nov. 16	Nov. 26	16	May 17	May 27
6	Nov. 30	Dec. 10	17	June 14	June 24
7	Dec. 14	Dec. 24	18	July 12	July 22
8	Dec. 28	Jan. 7	19	Aug. 9	Aug. 19
9	Jan. 11	Jan. 21	20	Sept. 6	Sept. 16

Membership Report

New Members: Welcome to Lawrence Paola, Plattsburgh, NY, and Daniel Zurakov, Chicago, IL.

Renewing Members: Thanks for the ongoing support of Thomas Dudek; Albert Earnhardt; Jerry Elya; Karl D. Forth; Ramon J. Gordillo; Eugene Hinton; Walter Nissen; John Nowak; David Snellman; Michael Sunseri; Paul B. Thomas, Jr.; John Tow; Raymond Vallee; John R. Wallace; Frank Welch; and David M. Wurl.

NRC AM Radio Log 39th Edition Is Now Available

The National Radio Club's AM Radio Log
A listing of U.S. and Canadian AM Broadcasting Stations
The 39th Edition for 2018-2019

The National Radio Club, the world's oldest and largest Broadcast Band DX Club, is proud to announce the publication of the 39th edition of the *AM Radio Log*. The *AM Radio Log* is a source for information on AM radio stations in the United States and Canada. The 39th edition of the *Log* contains 302 pages of data and cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched, U.S. loose leaf format. This publication fits nicely into a 1" three-ring binder. 10,000+ updates since last year's 38th Edition of the *Log*! New for this year is a cross reference by State/ Provinces 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*), 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.nationalradioclub.org/>

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To Canada (Global Priority Mail) – members/non-members US\$40.25
Outside US/Canada (Global Priority Mail) – members/non-members US\$51.25

AM Switch

David Yocis, 9412 Ferry Landing Ct., Alexandria VA 22309, NRCDXNews@gmail.com
 Canadian info – Compiled by Shawn Axelrod and Dan Sys
 NRC AM Log updates from Wayne Heinen, amlog@nationalradioclub.org

CALL CHANGES

- 810 **WDMP WI Dodgeville** – Call change to WZRK (Aug. 10).
 1260 **KEIR ID Idaho Falls** – Call change to KNBL (Aug. 1).

NEW STATION WATCH

- 600 **CP BC Vancouver** – Granted change to CP for U4 50000/20000 and new site.

STATIONS GOING DARK

- 1500 **KBRN TX Boerne** – Licensed cancelled by FCC for being silent more than a year; has been silent since Mar. 22, 2017 (although it never appeared on the FCC silent list!).

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 680 **WGES FL St. Petersburg** – CP for U1 800/140 is on the air.



CPs built, awaiting final licensing:

- 1020 **KVNT AK Eagle River** – Applies for license to cover CP with U1 10000/10000 (ex-U2).
 1080 **WHOO FL Winter Park** – Applies for license to cover CP with U4 6000/55, CoL from Kissimme FL, from STA site (diplexed with WAMT-1190) at 28-28-00/81-22-29, and granted program test authority.
 1540 **WBTL VA Sandston** – Applies for license to cover CP with U1 1000/8, CoL from Richmond VA, from STA site (diplexed with WUWN-1450) at 37-32-39/77-20-47.

CPs granted:

- 850 **WKVL TN Knoxville** – Granted CP for D1 1000, CoL to Maryville TN, new site 35-45-40/83-58-56 (diplexed with WGAP-1400).
 890 **KJME CO Fountain** – Granted CP for U4 5000/240, using same 3 towers day and night.
 920 **WGNU IL Granite City** – Granted CP, CoL to St. Louis MO, no change in actual facilities.
 1250 **WGAM NH Manchester** – Granted CP for U1 670/100.
 1470 **WTTR MD Westminster** – Granted CP for U1 540/35, corrected coords. 39-34-38/77-01-22.
 1500 **KHKA HI Honolulu** – Granted CP for new tower at 21-20-06/157-53-37.

Amendment to pending application filed:

- 1590 **WKTP TN Jonesborough** – Has longstanding application for U1 1800/23 from existing transmitter site, now amends that application to U1 2500/37, to reflect deletion of WXYM-1600, which the original application intended to protect.

Applications for CP filed:

- 1220 **WERM AL Fairhope** – Applies for CP with U1 1000/30, CoL to Africa Town AL, diplexed with WABF-1480 Mobile (has been using that tower under STA since 2014). According to Wikipedia, Africatown is a historic district in the city of Mobile.
 1520 **WDCY GA Douglasville** – Applies for CP for D1 2700 (ch 890), new site 33-45-49/84-41-21; replaces identical permit (with corrected coordinates) that has expired but is “nearly complete,” according to the licensee.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 550 **KTRS MO St. Louis** – Granted STA, U1 5000/1250, collapse of one night tower.
 600 **KGEZ MT Kalispell** – Granted STA, U1 1250/250, has lost tower site of the west tower and will eventually lose the whole site.
 870 **KAAN MO Bethany** – Granted STA, reduced power (using D1 200), lightning strike.
 910 **KECR CA El Cajon** – Granted STA, reduced power (using 3250 days, unclear whether also 3250 nights) due to failure of power module.

- 1280 KWHI TX **Brenham** – Granted STA, U1 405/72, 180' longwire at licensed site during tower replacement.
- 1350 KUSG GU **Agaña** – Granted STA, reduced power (using 90/90), transmitter trips off at higher power due to problems at the antenna site.
- 1400 WZAZ FL **Jacksonville** – Granted STA, U1 250/250, 325' longwire at 30-19-05/81-32-24.
WVWB TN **Clarksville** – Granted STA, parameters at variance during FM diplexing.
- 1440 WWCL FL **Lehigh Acres** – Granted STA, U4 4700/4700, Cuban QRM; has had U4 9900/4700 authorized in the past but is on auxiliary transmitter due to fire.
- 1470 WMBD IL **Peoria** – Granted STA, U1 3800/1250, lightning strike damage.

Applications for STA received:

- 850 KICY AK **Nome** – Applies for STA, U1 50000/50000, tuning problem with one tower.
- 1320 WAGY NC **Forest City** – Applies for STA, D1 1000, can't operate nights due to vandalism.
- 1550 KRZD MO **Springfield** – Applies for STA, U1 3000/28, tower at 37-11-42/93-19-05, near old site, access to which has now been lost.

Extensions to previous STAs granted:

- 610 WXVA VA **Winchester** – Granted STA extension, U1 380/125 from licensed day site.
- 620 KWAL ID **Wallace** – Granted STA extension, U1 1000/250.
- 670 KPUA HI **Hilo** – Granted STA extension, reduced power (using U1 1000/1000).
- 720 WHYF PA **Shiremanstown** – Granted STA extension, D1 2000, 60' LW at 40-12-58/76-58-08.
- 980 KTCR WA **Selah** – Granted STA extension, U1 1000/125 from KRSE-105.7 tower.
- 1050 KTCT CA **San Mateo** – Granted STA extension, U4 50000/50000, Mexico QRM.
- 1150 KGDD OR **Portland** – Granted STA extension, U1 10/10, whip at 45-31-09/122-36-32.
- 1220 WERM AL **Fairhope** – Granted STA extension, D1 250 from WABF-1480 tower.
- 1250 KKDZ WA **Seattle** – Granted STA extension, U1 5000/1250 from day site.
- 1270 WACM MA **Springfield** – Granted STA extension, day pattern/power at variance.
- 1290 KAZA CA **Gilroy** – Granted STA extension, U1 1250/20 from KZSJ-1120 tower.
- 1300 WTIL PR **Mayaguez** – Granted STA extension, U1 1000/1000 from CP site.
- 1320 KNIT UT **Salt Lake City** – Granted STA extension, D1 90, 120' LW at 40-39-57/111-54-26.
- 1390 WROA MS **Gulfport** – Granted STA extension, parameters at variance/reduced power.
KBBO WA **Yakima** – Granted STA extension, parameters at variance.
- 1410 WELM NY **Elmira** – Granted STA extension, U1 5000/250.
- 1450 KQTE CA **Helendale** – Granted STA extension, U1 50/50, 170' longwire at 34-45-54/117-14-49.
KYLW MT **Lockwood** – Granted STA extension, U1 30/30, 51.7-m LW at 45-46-05/108-22-25.
KJCV WY **Jackson** – Granted STA extension, reduced power.
- 1530 KZNX TX **Creedmoor** – Granted STA extension, U3 220/220 all from night site.
- 1540 KXPA WA **Bellevue** – Granted STA extension, U1 5000/1250.
- 1580 KQFN AZ **Tempe** – Granted STA extension, U1 50000/95 from CP site.
- 1590 WKTP TN **Jonesborough** – Granted STA extension, night parameters at variance or U1 5000/1250.
- 1600 WEHH NY **Elmira Heights-Horseheads** – Granted STA extension, reduced power or U2 5000/42.5.

Applications to extend previously granted STA received:

- 570 WSYR NY **Syracuse** – Applies to extend STA, minor parameters at variance.
- 590 KCSJ CO **Pueblo** – Applies to extend STA, night parameters at variance.
- 600 WREC TN **Memphis** – Applies to extend STA, minor parameters at variance.
- 660 WXQW AL **Fairhope** – Applies to extend STA, U1 10000/19.
- 790 WAEB PA **Allentown** – Applies to extend STA, U5 3600/375, day parameters at variance.
WMC TN **Memphis** – Applies to extend STA, U1 5000/1250 or night params. at variance.
- 830 KFLT AZ **Tucson** – Applies to extend STA, reduced day power (using U2 25000/1000).
- 850 WAIT IL **Crystal Lake** – Applies to extend STA, minor parameters at variance.
- 910 KGME AZ **Phoenix** – Applies to extend STA, minor parameters at variance.
- 950 WTLN FL **Orlando** – Applies to extend STA, U2 12000/10000, Cuban QRM.
- 980 WOFX NY **Troy** – Applies to extend STA, minor night parameters at variance.
- 1070 KFTI KS **Wichita** – Applies to extend STA, U1 10000/250.
- 1080 WKJK KY **Louisville** – Applies to extend STA, night parameters at variance.
- 1150 WHUN PA **Huntingdon** – Applies to extend STA, reduced day power (using U1 100/36).

1200	WAXA	FL	Pine Island Center – Applies to extend STA, U3 2200/2200.
1230	KYQT	OR	Burns – Applies to extend STA, U1 60/60, 100' longwire at 43-34-59/119-03-14.
1300	WIBR	LA	Baton Rouge – Applies to extend STA, U1 1250/250.
	WMTN	TN	Morristown – Applies to extend STA, parameters at variance.
1320	WOBL	OH	Oberlin – Applies to extend STA, pattern problems after FM diplexing.
1330	WINT	OH	Willoughby – Applies to extend STA, experimental antenna or U1 125/11.
	WSNQ	VA	Marion – Applies to extend STA, D1 1000 from CP tower.
1390	WFHT	FL	Avon Park – Applies to extend STA, reduced power.
1420	KSTN	CA	Stockton – Applies to extend STA, U1 1250/250.
1440	WPRD	FL	Winter Park – Applies to extend STA, U1 5000/250.
1490	KBSR	MT	Laurel – Applies to extend STA, U1 20/20, longwire at 45-43-34/108-36-35.
	WDEP	PR	Ponce – Applies to extend STA, U1 1000/1000 from CP site.
1520	WINW	OH	Canton – Applies to extend STA, D1 250, longwire at 40-48-32/81-22-35.
	KOKC	OK	Oklahoma City – Applies to extend STA, U1 10000/10000 at 35-20-01/97-30-18.
1560	KGOW	TX	Bellaire – Applies to extend STA, U3 15000/15000 from licensed night site.
1580	WNTF	FL	Bithlo – Applies to extend STA, D1 2500.
1590	WFTH	VA	Richmond – Applies to extend STA, reduced tower height.
1600	WLXE	MD	Rockville – Applies to extend STA, U1 1000/125.

SILENT STATIONS

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

730	WLTQ	SC	Charleston – Silent Sept. 9 (2017), on the air July 31.
1050	WBVG	NY	Baldwinsville – Silent Aug. 3 (2017); on the air July 23 with borrowed equipment.
1190	KJJI	AR	White Hall – Silent Aug. 27 (2017); on the air July 20.
1300	KROP	CA	Brawley – Silent Jan. 13; back on the air July 31.
	WOSW	NY	Fulton – Silent Aug. 21 (2017); back on the air Aug. 14,
1400	WZAZ	FL	Jacksonville – Silent Aug. 20 (2017); back on the air July 30.
1530	WOBX	NC	Wanchese – Silent Aug. 18 (2017); back on the air with STA Aug. 13.
1540	WYCL	OH	Niles – Silent Feb. 20, back on the air with STA July 30.
1700	WRCR	NY	Ramapo – Silent Aug. 8 (2017); on the air July 25 after getting permission to use the licensed site (to which they have lost access) for 48 hours, then off again (as below).

Stations informing the FCC that they are silent:

740	KCMC	TX	Texarkana – Silent (again) July 14, has lost licensed site.
880	WAMI	AL	Opp – Silent July 18, transmitter needs new crystal to stay on frequency.
980	KICA	NM	Clovis – Filed notice with FCC Aug. 10 saying went silent “August 31, 2017” for financial reasons – is this correct or a typo?
1240	KJAA	AZ	Globe – Silent July 6 for tower replacement, should be back soon.
1250	KPZK	AR	Little Rock – Silent July 20, equipment failure.
1350	WOAM	IL	Peoria – Silent July 25, transmitter malfunction.
1360	KUIK	OR	Hillsboro – Silent Mar. 31, financial problems.
1380	WWNT	NC	Winston-Salem – Silent Aug. 1, financial reasons.
1440	KPTO	ID	Pocatello – Silent Aug. 6, pending building of CP to move to Hailey ID.
1470	WWBG	NC	Greensboro – Silent Aug. 1, financial reasons.
1480	WRCK	NY	Remsen – Silent (again) June 26, new owner needs to replace equipment.
1490	KRTK	ID	Chubbuck – Silent June 30, licensed site has been sold for development.
	WSTP	NC	Salisbury – Silent July 27, transmitter malfunction.
1500	WQMS	MS	Quitman – Silent (again) July 12, looking for new transmitter site.
1570	KPRO	CA	Riverside – Silent Aug. 3, licensed site has been sold.
1700	WRCR	NY	Ramapo – Silent (again) July 27, looking for new transmitter site.

The following stations have been silent nearly a year, so look for them back on the air soon (permanently or temporarily) in order to legally maintain their licenses: WULA-AL-1240 (Aug. 25); WKDG-AL-1540 (Aug. 26); WZTE-PA-1530 (Sept. 1); WUVI-VI-1090 (Sept. 7); WIGT-VI-1690 (Sept. 7); WJBW-FL-1000 (Sept. 10); KJMU-OK-1340 (Sept. 10); WKIZ-FL-1500 (Sept. 10); WCGA-GA-1100 (Sept. 11); WPON-MI-1460 (Sept. 11).

NRC AM Log Updates

Here are your first updates for the 39th Edition of the *Log*. The *Log* is at the printers and contains all updates through August 9. Since then, we have lots of new translators.

- 600 WVOG LA New Orleans – Adds // W300DP-107.9. (FCC)
 810 WZRK WI Dodgeville – Format to Rock (ex-C&W); slogan to "96.9 Z-Rock," adds // W245DE-96.9, drops // WDMP-FM-99.3, drops networks.
 830 WUMY TN Memphis – Format to TBA (ex-CLR); delete Grp= 99.3 Guess FM Classic Hits.
 850 WTAR VA Norfolk – Adds // W243EK-96.5; delete // W243DJ-96.5. (FCC)
 900 WCPA PA Clearfield – Format to CLR (ex-OLD); slogan to "Passport Radio," adds // W253CU-98.5.
 930 KKIN MN Aitkin – Adds // K276GQ-103.1. (FCC)
 WIZR NY Johnstown – Slogan & Group to Grp=Z 102.9.
 950 KMHR ID Boise – Slogan to "La Ley."
 990 WEEB NC Southern Pines – Slogan & Group to Grp=Talk Radio WEEB. (FCC)
 1050 WBVG NY Baldwinsville – Adds // W207BH-89.3. (FCC)
 1110 WTIS FL Tampa – Slogan to "101.1 la Mega." (TK)
 1180 WGUE AR Turrell – Format to TBA (ex-CLR); delete Grp= 99.3 Guess FM Classic Hits.
 1190 KVSF KS Beloit – Format to C&W/AC (ex-AC); slogan to "The Mix," adds // K275CS-102.9, drops // KVSF-FM-105.5.
 1210 KRSV WY Afton – Slogan to "The Spur."
 1220 WLSA VA Big Stone Gap – Adds // W223AA-92.5. (FCC)
 1230 KGHS MN International Falls – Adds // W237EX-95.3. (FCC)
 1240 KCVV CA Sacramento – Adds // K239CK-95.7. (FCC)
 WHIZ OH Zanesville – Adds // W272EE-102.3. (FCC)
 1260 KWSH OK Wewoka – Adds // K249FH-97.7. (FCC)
 1270 WILE OH Cambridge – Slogan & Group to Grp=Nash ICON 1270 & 107.9. (FCC)
 1280 WYVE VA Wytheville – Adds // W260DI-99.9. (FCC)
 1320 KNCB LA Vivian – Adds // K281CY-104.1. (FCC)
 1340 KWVR OR Enterprise – Adds // K241CW-96.1. (FCC)
 1400 KKTK TX Texarkana – Adds // K246CR-97.1. (FCC)
 1420 WXGM VA Gloucester – Format to CLR (ex-OLD).
 1430 WOWW TN Germantown – Format to CLR (ex-C&W); Group to Grp=Guess FM (ex-Grp= 95.3 The Rebel),
 1470 WMGG FL Egypt Lake – Slogan to "96.1 Caliente."
 1490 WARK MD Hagerstown – Slogan & Group to Grp=News Talk 98.9. (FCC)
 WMPX MI Midland – Format to CLR (ex-AC/OLD), drop slogan.
 WTUP MS Tupelo – Format to Alternative (ex-CLR); slogan to "Alt 107.7," add // W299CS-107.7, drop // WTUP-FM-99.3.
 WMOA OH Marietta – Adds // W267CQ-101.3. (FCC)
 WBKE WV Fairmont – Format C&W (ex-TLK); slogan "98.3 Blake-FM," drop nets. (FCC)
 1520 WHOW IL Clinton – Adds // W293DJ-106.5; drops // W222BG-92.3. (FCC)
 1580 KGAF TX Gainesville – Adds // K222DD-92.3. (FCC)
 1590 WQCH GA Lafayette – Adds // W229CX-93.7. (FCC)
 1600 WTTF OH Tiffin – Slogan to "Oldies 1600 & 93.3."



New Groups

- Grp= Guess FM – WOWW-1430, W249BN-97.7, W261CS-100.1
 Grp= Nash ICON 1270 & 107.9 – WILE-1270, W300CB-107.9, W253CF-98.5
 Grp= News Talk 98.9 – WARK-1490, W255CP-98.9, W292FR-106.3
 Grp= Talk Radio WEEB – WEEB-990, W247CE-97.3, W281BZ-104.1
 Grp= Z 102.9 – WIZR-930, W275BS-102.9, W282CU-104.3

Group Changes

- Grp= Triple Play Sports – Adds K227DK-93.3 Blackwell
 Grp= Your Hometown Station – Adds W253CH-98.5 Owego

Groups Deleted

- Grp= 95.3 The Rebel
 Grp= 99.3 Guess FM Classic Hits

Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), and Terry Krueger (TK).

Domestic DX Digest – West

Bill Hale, 6124 Roaring Springs Drive, North Richland Hills TX 76180-5552

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Loggings of U.S. and Canadian stations by DXers in the Central, Mountain, & Pacific time zones
All times are Eastern Local Time (ELT)

Deadlines here will be one day prior to those published in *DX News* . . . in other words, the deadline for Issue 20 will be Thursday, September 6. Good DX to ALL!

REPORTERS

- GH-OK** **Glenn Hauser** **Enid, OK** DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside randomwire N-S; Nissan stock caradio as specified; IC-R75 with E-W longwire.
- JJR-WI** **John J Rieger** **South Milwaukee, WI** Icom IC-R75 MFJ-959B tuner, preamp, Kiwa loop
- JW-CO** **John Wilkins** **Wheat Ridge, CO** Drake R-8, 4-foot box loop

DX LOGGINGS

- 950 CFAM MB Altona – 7/29 0522** – Very poor, though classical cut through WWJ, WNTD, one other. Assumed. **(JJR-WI)**
- 970 WKCI VA Waynesboro – 8/8 0544** – Poor, "Alexa, play NewsRadio WKCY" into news. (// 1300 WKCY). Rare. **(JJR-WI)**
- 1060 KXPL TX El Paso – 7/27 0721** – US Oldies with canned "Extasis Digital" or just plain "Extasis" slogans between songs; MDT time check at 0735 was followed by call letter ID and Spanglish ID. Fair/good with semi-local KRCN running open carrier. **(JW-CO)**
- 1230 KHAS NE Hastings – 7/25 0501** – LID by man: "1230 KHAS Hastings, serving Adams County since 1940 with news, sports, and . . ?? . ."; CBS news ensued. Rough in QRM. **(JW-CO)**
- 1270 KZTQ NV Sparks – 8/4 0744** – AC/hard rock music; Red Cross ad to help fire victims; mentioned website bob961.com, then back to AC music, with "96-1 Bob FM" ID's between songs; 0800 LID by British-accented gal: "Summer in Reno is Bob time... KZTQ Sparks-Reno 96-1 Bob FM – music from the 80's, 90's, and whatever," then back to music. Fair peaks, over/under others. A needed call change here, last heard as KBZZ. **(JW-CO)**
- 1270 KLXX ND Bismarck-Mandan – 8/10 0659** – Guy with legal ID: "Super Talk 1270 KLXX Mandan-Bismarck – hear us any time, anywhere online at supertalk1270.com," followed by ABC news. So if the cities are reversed in a hyphenated City of License, is it still a legal ID? **(JW-CO)**
- 1340 KGGS KS Garden City – 8/6 0959** – Readable for the legal ID, then immediately faded out in a stunning reversal of Murphy's Law: "KGGS Garden City, a Steckline Communications Station". Local KDCCO was off at the time. **(JW-CO)**
- 1340 KCQL NM Aztec – 8/6 0728** – ID only as "foxsports1340.com," which is KCQL; ads and program notes followed. Fair, in QRM, with local KDCCO off the air. **(JW-CO)**
- 1340 KTOQ SD Rapid City – 8/6 0840** – Non-local ads, followed by FOX news (one minute) at 0841; ID at 0842 as "ESPN Rapid City". Fair/almost good on peaks with local KDCCO off the air. **(JW-CO)**
- 1370 KWRM CA Corona – 7/28 0745** – Presumed with Chinese opera; faded by ToH. I used to hear them in SS around this time but they are supposedly all-Chinese now. Am still hearing two early-morning SS stations from that general direction, probably XEHF and KGEN, both semi-regular. **(JW-CO)**
- 1410 KLEM IA Le Mars – 8/4 0659** – Very rough copy with presumed LID: ". . . regional and national news – KLEM . . ?? . ."; CBS news may have followed at ToH but not sure. **(JW-CO)**
- 1490 KXRA MN Alexandria – 8/8 0533** – Poor, atop, with "a message from the Alexandria". Rare. **(JJR-WI)**
- 1540 KMPC CA Los Angeles – 7/26 0743** – Korean talk program in progress; the Star Spangled Banner was played at 0757, followed by another patriotic-sounding tune, maybe the Korean anthem; a "Radio Korea" jingle was followed by one long time pip at exactly 0800 and legal ID. Fair peaks over/under KXEL. **(JW-CO)**

- 1590 WTVB MI Coldwater – 7/29 0543 – Very poor, though "WTVB" jingle, cut through clutter. No usual WAKR. (JJR-WI)
- 1610 CHHA ON Toronto – 8/16 0242 – Ad in Brazilian accent, then one in Lusitanian Portuguese. More significantly, no trace of Anguilla, nor have I heard any since it was reported reactivated here Aug 4 at 0300 UT by John Williams, UK, MW Circle. May have been a one-shot or very limited sked like Caribbean Beacon SW. Has anyone else heard it on 1610 again? (GH-OK)
- 1640 WTNI MS Biloxi -7/29 0541 – Poor, w/ESPN chatter, through nulled WSJP. Steady. Assumed. (JJR-WI)
- 1690 WPTX MD Lexington Park – 8/8 0528 – Poor, with contest promo, calls, LID into NOS. Alone. (JJR-WI)
- 1700 KKLf TX Richardson – 8/15 0803 – Hefty promo for "Banda Trece, más música, más deportes". (GH-OK)

Domestic DX Digest – East

Mike Brooker, 99 Wychrest Avenue, Toronto ON M6G 3X8 (Canada)

patria1818@yahoo.com

Loggings of U.S. and Canadian stations by DXers in the Eastern & Atlantic time zones
All times are Eastern Local Time (ELT)

REPORTERS

- HJH-PA Harry Hayes, Wilkes-Barre – Grundig S350, ALA 1530 loop in attic
- TLK-FL Terry Krueger, Clearwater – NRD-535, IC-R75, roof dipole, active loop
- KK-VA Kraig Krist, Manassas – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- JW-PA Jim Weber, Oyster Point – Grundig S350
- REH-ON Charles Reh, Leamington – ELAD FDM-S2 SDR, Wellbrook ALA-1530LNP Loop
- MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, Sony SRF-39FP, C Crane CC Skywave, Panasonic RF-2200 (included for sake of completeness, though I don't have any loggings to report)

THE SOUND OF SILENCE

- 1590 WRXB FL St. Pete Beach – On 7/20 I was within 1.5 miles of the transmitter site, and no trace of even a carrier, as per previous non-reception observations from the house. DXN 85-18 AM Switch states "Silent July 6; financial problems." (TLK-FL)

UNID

- 1590.41 unID -- – 7/21 (and subsequent days checks) 0640 – Pretty strong het. Also heard in Titusville, opposite Florida coast from me, along with another slightly higher. Who? (TLK-FL)

TIS/HAR

- 1650 WQQJ297 FL Tampa - Florida Dept. of Transportation, I-275 Tampa. Still running wrong, expired calls within the generic compu-man loop as WQVF594, defunct calls once assigned to the 1630 kHz FDoT, I-75 near Exit 279, Wesley Chapel transmitter. (TLK-FL)

COMING EVENTUALLY

- 960 CKNT ON Mississauga – Still testing as of 8/16 with a variety of music and assorted sound clips such as obscure BBC programs from the 1980s. After two months of testing, you would think their studio and transmitter equipment would be in working order. Your guess is as good as mine when they will go on the air with regular programming. (MKB-ON)

LOGGINGS

- 770 KAAM TX Garland – 7/25 0600 – On top slight WJR-760 splatter and WBBM-780 IBOC hash with legal ID: "770 KAAM Garland – Dallas – Fort Worth". Into "Family Talk" with Dr. James Dobson. Rare one which I've only previously heard at

sunset before power cut and pattern change. With WABC faded at sunrise, 6am in July is usually dominated by the sign on of WAIS Buchtel OH. **(REH-ON)**

- 840 KVJY TX **Pharr** – 8/7 0652 – Mexi-tune, then male canned ID at 0658, mentioning a "Radio ---" slogan not copied, KJAV (FM), KVJY, (in EE) and "...Pasadena Blvd..." an apparent reference to a mailing address. Quickly faded. This one makes an occasional and brief appearance around my local sunrise, and a different format each time thus far, this the third I believe. **(TLK-FL)**
- 940 KIXZ TX **Amarillo** – 5/25 0600 – Seldom heard station with ad for Avant (loans and credit cards) followed by legal ID: "This is a Townsquare Media station. Newstalk 940 AM. KIXZ Amarillo. Online at voiceofamarillo.com". Into USA Radio news. Alone except for WWJ-950 Detroit IBOC hash. KIXZ was first logged in June 1963. **(REH-ON)**
- 970 WRCS NC **Ahoskie** – 7/31 0510 – In with gospel music off and on from 0415. Clear ID at 0510. Likely at night power. **(JW-PA)**
- 1040 WNOW NC **Mint Hill** – 8/11 0600 – Regional Mexican with ID by the ubiquitous gruff-voiced guy in English: "This is WTOB Easley, South Carolina and WOLI W289BS Spantenburg, South Carolina. Activa ...[next 15 seconds in SS]... This is WNOW and W256BP Mint Hill, North Carolina. Activa musica." WTOB is 103.9 and WOLI is on 910. Looks like we have a little net here. **(REH-ON)**
- 1080 WKAT FL **Coral Gables** – 8/8 0600 – On top of WKJK Louisville, KY with Spanish religion and legal ID: "WKAT Coral Gables ...[Spanish]... W249DM Miami ...[Spanish]... Radio Luz a Salem Media Group." Previously logged as WVCG in February 1967 and as WHIM in October 2015. WKAT previously logged in April 1963 on 1360 when they were licensed to Miami Beach. **(REH-ON)**
- WOKT KY **Cannonsburg** – 7/20 0434 – In multi-station mix (WTIC, WWDR, UNID Spanish singing, more talk, French talk and what sounded like African tribal type singing) with male "...the music you...across the ages on WALK FM". New station for me. **(KK-VA)**
- 1090 KEXS MO **Excelsior Springs** – 7/22 0600 – Seldom heard station way over WCAR/WBAL/KAAY with Catholic Radio Network programming and legal ID: "Do you want to learn more about the Catholic faith? Keep your dial on the Catholic Radio Network KEXS 1090 AM Excelsior Springs and Kansas City and 92.9 FM." 0500 CT seems mighty early for a daytimer. **(REH-ON)**
- 1100 WHLI NY **Hempstead** – 7/27 0436 – In WTAM mix with oldies, male "All hits you won't hear anywhere else. 11 hundred WHLI" ID, "from one great song to another. The hits of a lifetime, 1100 WHLI" station promo at 0441. **(KK-VA)**
- 1120 WKAJ NY **Saint Johnsville** – 7/27 0528 – In KMOX/WSME mix with C&W songs, "11-20 AM WKAJ 'Real Country'" ID. **(KK-VA)**
- WSME NC **Camp Lejeune** – 7/27 0608 – Mixing with KMOX, WKAJ, Spanish singing and other talk, male "Freedom 97.1, WSME and 94.1 'The Beach'...network" slogan. **(KK-VA)**
- 1130 WEAF SC **Camden** – 7/27 0600 – Mixing with WBBR, WPYB, UNID 1980's type songs and Spanish singing, "WALD 10-80 AM Johnsonville or W254DC Scranton WEAF 11-30 AM Camden WCH60C..." ToH ID. **(KK-VA)**
- 1140 WLOD TN **Loudon** – 5/31 0700 – Rarely heard station barely on top with legal ID: "Pure country WGAP 1400 AM and 105.9 FM Maryville and WLOD 1140 AM Loudon". So it appears WGAP-1400 new translator W290DJ-105.9 is on the air. **(REH-ON)**
- 1150 WMNY PA **New Kensington** – 8/1 0500 – Call sign ID on the hour with mention of New Kensington. Presumed sub-continental music audible before this time. After the hour, female speaking over background music. **(JW-PA)**
- 1190 WMEJ MS **Bay Saint Louis** – 8/13 1023 – Urban gospel vocal, male "WMEJ, Rejoice AM 11-90 and 104 point 3 FM" at 1022, into inspirational words by black female. Clear and good mid-morning. **(TLK-FL)**
- 1260 WFTW FL **Fort Walton Beach** – 8/13 1026 – Clear and good mid-morning with The Rob Brown Show, hard break and local commercials. **(TLK-FL)**
- 1270 WCBC MD **Cumberland** – 8/6 0516 – In well for a bit with brief headlines and good call letter IDs at this time. **(JW-PA)**
- 1280 WUZZ PA **New Castle** – 6/18 0600 – Legal ID: "Golic and Wingo in the morning is the best sports talk for Western PA. ESPN 1280 WUZZ New Castle". Was also ESPN as WJST. Forever Media used the call change to park the WUZZ calls on

1280 after they changed the call of WUZZ(FM) in Saegertown to WRQI. Guess they thought they might want to use them again. Previously logged as WKST in July 1962 and as WJST in December 2014. Used to be easy pickings during the day before WXYT-1270 Detroit turned on its IBOC jammer. **(REH-ON)**

- 1360 WHNR FL **Winter Haven** – 8/1 1035 – Goofy format for one that's supposed to be C&W, with redneck live jock, Supertramp "Give A Little Bit" into Guy Mitchell "Singing the Blues" then a Hank Williams Sr. song followed by the Bee Gees "Nights on Broadway." Frequent spastic audio breaks lasting a couple seconds each time. Logged on the ICF-7600GT at Philippe Park, Safety Harbor, and again once home at 1424 with Thin Lizzy "The Boys Are Back In Town" into a Country oldie, with the audio drops continuing, top of hour ID as WHNR, Cypress Gardens. **(TLK-FL)**
- 1420 WHBN KY **Harrodsburg** – 8/15 0501 – Presumed with tentative ID and nothing else. **(JW-PA)**
- WBSM MA **New Bedford** – 8/15 0406 – Call letter IDs and not much else at this time. **(JW-PA)**
- 1440 WRGM OH **Ontario** – 7/4 0700 – Finally!!! At 88 miles they were my closest unheard for the past 30 years. Partial ID mixing with WMKM Inkster, MI and WHKZ Warren, OH: "...sports fan...WRGM Ontario – Mansfield – ?Marion? [or maybe] ?Galion?". Into Golic and Wingo on ESPN. Didn't think I'd ever get this one since they send next to nuttin' to the north. New closest unheard at 114 miles is WYCL-1540 Niles, OH which was silent but reported as back on air. **(REH-ON)**
- 1560 KGOW TX **Bellaire** – 7/21 0643 – Vietnamese female in passing with phone calls, "Hello" greets. **(TLK-FL)**
- 1580 WNTF FL **Bithlo** – 7/23 0449 – D3 daytimer breaking the rules. Big signal with "I Like It" by DeBarge, male "WNTF, the station that makes you feel good" atop the song, no ID top of hour, into white man "Dr. James Dobson Family Talk" Christian talk until 0525 conclusion, local ad, promo for Al Sharpton show. Local sunrise today there was 6:41. **(TLK-FL)**
- 1590 WFBR MD **Glen Burnie** – 8/4 2200 – Loud, briefly. "WFBR 1590, now on the Worldwide Web". **(HJH-PA)** *The Internet as we know it is only a little over 20 years old, but "world wide web" seems like a virtually obsolete term. Mike.*
- WCSL NC **Cherryville** – 8/4 2150 – Shelby, Lincolnton and Cherryville mentioned on ID. Fair with baseball game. **(HJH-PA)**
- 1670 WMGE GA **Dry Branch** – 8/1 1030 – Fox Sports babble, fair late morning from Philippe Park, Safety Harbor on the ICF-7600GR. Only a short distance from my house but yet this one isn't much if at all audible late mornings onward. **(TLK-FL)**
- 1690 WPTX MD **Lexington Park** – 8/1 0543 – Simon & Garfunkel "Bridge Over Troubled Water" and ID. All alone now that WMLB is no more. **(TLK-FL)**
- 1700 WEUP AL **Huntsville** – 8/3 2242 – ID as "Keep it locked right here, 94 FM and 1700 AM, WEUP". Fair to good signal. Had several prayer requests. **(HJH-PA)**

NOAA Space Weather Outlook

Issued August 13, 2018 – For the period August 13-September 8, 2018

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

Solar activity is expected to remain very low throughout the outlook period.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to range from normal to moderate levels over the outlook period.

Geomagnetic field activity is expected to range from quiet to active levels over the outlook period. Unsettled levels are expected on 13 Aug, 18 Aug, 04 Sep and 07-08 Sep; active levels are expected on 16-17 Aug, 20-21 Aug and 03 Sep. All increases in geomagnetic activity are anticipated in response to multiple, recurrent CH HSSs. The remainder of the outlook period is expected to be at quiet levels.

MEMBERSHIP RENEWALS

Don't forget that your subscription expiration date is on the back cover. Renewals go to NRC Headquarters, P.O. Box 473251, Aurora CO 80047-3251. Rates are on the back page. Order publications at the same time – only one check is necessary.

International DX Digest

Bruce Conti, 46 Ridgefield Drive, Nashua NH 03062-1174

contiba@gmail.com

For loggings of stations outside the U.S. and Canada

All times are Universal Coordinated Time (UTC)

TRANS-ATLANTIC DX

- 648 **BOTSWANA** *R.Botswana*, Mopipi AUG 7 0100 – Man talking loudly in English. Later, people singing with heavy beat music. [Barstow-MA]
- 936 **MOROCCO** *SNRT Agadir* AUG 12 0600 – Carrier, no readable audio. Transmitter site dawn enhancement; sunrise 0603 UTC. Measured 935.994 kHz as listed in mwoffsets. [Conti-NH]
- 1089 **UNITED KINGDOM** *TalkSport* synchros AUG 11 0159 – Fair; promo for Alan Brazil Sports Breakfast on *TalkSport*. [Conti-NH]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros AUG 12 0300 – Fair; promo/ID, "...online and on the Absolute Radio app," into news, "The main stories this hour..." [Conti-NH]
- 1224 **SPAIN** *COPE Lugo//Palma de Mallorca* AUG 11 0200 – Poor; measured *COPE Lugo* at 1223.998 kHz and *COPE Palma* at 1224.003 kHz as listed in mwoffsets. [Conti-NH]
- 1386 **LITHUANIA** *R.Liberty*, Viesintos AUG 11 0200 – Fair; man in Russian, fanfare with Radio Svoboda ID by woman. [Conti-NH]

PAN-AMERICAN DX

- 540 **MEXICO** *XEWA*, *W Radio*, San Luis Potosí, SLP AUG 12 0501 – Under CBT and 539.86 Nicaragua het; choral national anthem. Measured 539.998 kHz as listed in mwoffsets. [Conti-NH]
- 610 **BRAZIL** *ZYL268 R.Itatiaia*, Belo Horizonte AUG 7 0035 – On top of channel with woman and man in Portuguese talk. [Barstow-MA]
- 630 **PUERTO RICO** *WUNO* San Juan JUL 21 0100 – NotiUno mentions in shouting; under WPRO. [Connelly-MA]
- 640 **MEXICO** *XENQ La NQ*, Tulancingo, Hgo. AUG 12 1057 – Mexi-tune, male at 1100 "La NQ, XENQ, 640 AM... 90 punto 1 FM... wats potencia..." into anthem followed by another ID. [Krueger-FL]
- 650 **MEXICO** *XETNT Radio 65*, Los Mochis, Sin. AUG 8 1118 – *Radio 65* promo that it's also "en el cien – 100.5 FM." *XETNT* still holding onto AM, and we hope for good, as Mexican AM'ers are dropping like flies, so we need to keep reconfirming the ones that remain. [Hauser-OK]
- 660 **MEXICO** *XECPR R.Chan Santa Cruz*, Philippe Carillo Puerto, QRoo. AUG 12 1037 – Apparent sign on (this one pops up at variable timing) with maybe a slight low het atop strong *XEDTL R.Ciudadana*. Abruptly up with instrumental fill, then male "Esta es Radio Chan Santa Cruz..." at 1038. Quickly faded down. [Krueger-FL]
- 700 **ARGENTINA** *LV3 Cadena 3/R.Córdoba*, Córdoba AUG 7 0100 – On top with clear ID after pips and into talk. Mention of nacional and música, etc. Best in LSB mode. [Barstow-MA]
- 700 **BRAZIL** *ZYK686 Nossa Rádio*, São Paulo JUL 21 0059 – Portuguese religious talk by woman; fair. [Connelly-MA]
- 710 **MEXICO** *XEMP Radio 710*, México, DF AUG 10 1103 – Anthem in progress, male at 1106 opening with "XEMP..." female mentioning "frecuencia modulada" then alternating same man and woman mentioning "wats de potencia, México, Radio 710... Colonia... Ciudad de México... la Emisora Instituto Mexicano de la Radio..." into Mexi-tunes, cranky DJ from 1117, commercials, back to music through 1135 fade out. Website www.imer.mx/radio70 doesn't show an FM simulcast channel. [Krueger-FL]
- 710 **MEXICO** *XEDP Chihuahua*, Chih. AUG 15 1143 – Full ID for *La Ranchera de Cuauhtémoc*, 1144 time check as 5:43, in newscast. Not using its off-frequency transmitter today. [Hauser-OK]
- 709.92 unID AUG 11 1053 – Weak, low het here, presumed Latin American. [Krueger-FL]
- 740 **MEXICO** *XEQH R.Fórmula*, Torreón, Coah. AUG 15 1145 – Surely *XEQH* previously ID'ed as the off-frequency one tearing up *KRMG*. [Hauser-OK]
- 760 **BRAZIL** *ZYH588 R.Uirapuru*, Fortaleza JUL 21 0100 – *R.Uirapuru* ID, man in Portuguese, tranquil music interlude; fair. [Connelly-MA]



- 770 **MEXICO** unID AUG 10 1058 – End of song, into highly truncated anthem to 1059 but too weak to capture the ID. XEACH and XEANT both logged her previously. [Krueger-FL]
- 780 **MEXICO** XESFT San Fernando, Tamps. AUG 15 1155 – In briefly by tightly nulling nearby KSPI, clues in news that it is XESFT. [Hauser-OK]
- 790 **MEXICO** XENT *R.Fórmula*, La Paz, BCS AUG 15 1150 – Surely XENT with LAH vs U.S. stations, as heard in April, another *R.Fórmula* – coincidental lax engineering standards at this network? Soon losing out to 790.0 Rogers, Arkansas. [Hauser-OK]
- 810 **BAHAMAS** ZNS3 *R.Bahamas*, Freeport, Grand Bahama AUG 9 1007 – Accented English preacher. Checking 1540 ZNS1 audio, WSJC, and WRSO streams, none parallel. Then at 1014, male "...here on Z(ed)NS 810 AM." More preaching segments with a couple gospel vocals until live, wonderful voice and presentation female announcer mentioning the previous program was sponsored by some business run by the Pinders (common name in the Bahamas). Parallel the Streema audio located, which included a hurricane tip sponsored by The Bahamas Department of Meteorology, greetings to out islanders and a reminder to turn your radio off when calling the station, then she read greetings to various listeners including, yep, someone with the Pinder surname. Male at 1050, Z(ed)NS 810 AM, blessing you with more programs and music that inspire." Completely faded by 1055. This one is almost never heard here, so they must have done something with their power or pattern. Sent an email with the inquiry about their signal/gain, via their website, though I'm confident it won't be read much less responded to. [Krueger-FL]
- 810 **COLOMBIA** HJCY *Caracol Radio*, Bogotá JUL 25 0100 – *Caracol Radio* ID's; mixed with WGY, others. [Connelly-MA]
- 810 **MEXICO** XERI *R.Rey*, Reynosa, Tamps. AUG 8 1110 – Dominant signal from south, ID between songs as "Radio Rey, la más... (poderosa?), seis, nueve minutos." Should not be claiming powerfulness, as IRCA Mex Log had it as only 1000/100 watts, and so does WRTH 2018. By now probably on hefty day power. On DX-398 vs heavy local storm noise. Our sunrise 1144 UTC. [Hauser-OK]
- 840 **HAITI** *Radio-Télé 4VEH*, Cap Haitien-Petite Anse JUL 20 0101 – Dashing through the Snow 5-note interval signal, man "Vous écoutez Radio 4VEH"; good.{A} [Connelly-MA]
- 870 **MEXICO** XETAR Chihuahua, Chih. AUG 15 1200 – Expect daytimer XETAR to come on at 1200, but no sign of it by 1202; just too late for SRS, or has it evacuated for FM only? That would be quite a shame. Our sunrise today 1149 UTC. [Hauser-OK]
- 940.27 **COLOMBIA** HJGB *R.Calima*, Cali AUG 12 0600 – Presumed by measured offset frequency 940.270 kHz. Listed at 940.25 kHz in mwoffsets. [Conti-NH]
- 1010 **BRAZIL** ZYH625 *Radio CBN*, Fortaleza JUL 21 0100 – Portuguese sports shouting, Fortaleza mention; mixed with WINS.{A} [Connelly-MA]
- 1070 **COLOMBIA** HJCG *R.Santa Fe*, Bogotá JUL 21 0100 – *R.Santa Fe* ID's; alone on channel. [Connelly-MA]
- 1080 **MEXICO** XETUL *R.Mexiquense*, Tultitlán, Edo.Méx. AUG 13 1056 – First time here, I think. Fast-talking announcer, then New Age/techno beat filler music, male at 1101 "XE... 1080 AM, Radio Mexiquense..." and seemingly parallel their stream at radiotvmexiquense.mx up to this point, but not after. Spanish tropical vocal, chatter, another "Radio Mexiquense" ID at 1120. Faded by 1126. KRLD and *R.Cadena Habana* mostly nulled. Estado de México government owned. Interestingly, no national anthem near, on or after the 1100 hour. [Krueger-FL]
- 1290.3 **BRAZIL** ZYH888 *R.Timbira do Maranhão*, São Luís JUL 21 0100 – Reverberated Portuguese sports shouting by man; audible on USB. [Connelly-MA]

CONTRIBUTORS

Roy Barstow, Menauhant Beach MA; 12-ft loop at 110° with amp, FDM S2.

Mark Connelly WA1ION, South Yarmouth MA; Microtelecom Perseus, cardioid pattern SuperLoop 9m vertical by 20m horizontal (peak 84°, null 264°), {A} in entry indicates audio at www.qsl.net/wa1ion/doc1/audio_2018.htm.

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, Intona USB 2.0 Hi-Speed Isolator, MWDX-5, variable termination Super/Ewe antennas 15 x 23-m at 60° northeast and 180° south.

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.

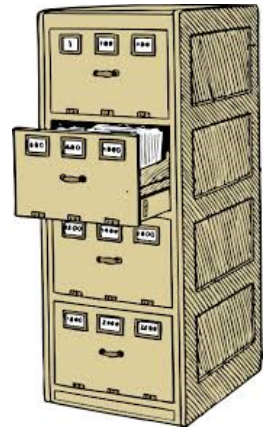
Terry L. Krueger, Clearwater FL; NRD-535, IC-R75, broken long wires, active MW loop.



From the *DX News* archives

Compiled by Ron Schiller.

75 Years Ago – From the August 14, 1943 issue of *DX News*: “We have just completed our 11th year as a DX Club . . . one of the most successful.” Editor also thanked the Newark News Radio Club, Universal Radio DX Club, & IDA for their cooperation. J. Warren Routzahn of York, PA reports his veries total 878 with a 95% response rate! Although only 30% of the members voted, top vote getters in the Board Election were: Joe Becker, Al Bartholomew, Richard & Ernest Cooper, Joseph Reilly & Fred Van Voorhees. Pvt. Carroll Seth was complaining about being told of his impeding medical discharge from the Army! (During wartime, WWII).



50 Years Ago – From the August 3, 1968 issue of *DX News*: The Masthead for *DX News* was hand drawn (pretty sloppy looking!). Among the Club’s new members was Dr. John Richardson of Cleveland, a 59-year old orthodontist. He is a “mobile DXer” (kind of like our Tim Hall today) and has logged 3,063 stations from 48 states. Ron Ponke in MI likes to DX the Graveyard Channels (1230, 1240, 1340, 1400, 1450, & 1490). Among his recent loggings are WINK-1240 FL; WJTN-1240 NY; KRIB-1490 IA; CJWA-1240 ON-CAN; & WMCC-1450 TN. Rx: Lafayette HA-70 in his basement. Russ Edmunds received his BS from Syracuse U & was job-hunting. Len Kruse-IA led the Supremacy Ratings with 3,943 stations verified.

25 Years Ago – From the August 23, 1993 issue of *DX News*: Five DX Tests are on September’s calendar- WSEZ-1560 IN; WCEI-1460 MD; WASB-1590 ME; WCTG-1530 MA; & WEAM-1580 GA. Ten new members brought the rolls to 705. CPC reported only 11 DX Tests were arranged the previous season, by 8 of the 700+ members! Paul Swearingen’s IDX Achievements ranked DXers according to # of verifications from Oceania. WA’s Roy Millar led the mainland Users with 79, followed by Hilding Gustafson-IL & Kermit Geary-PA with 61, then Hank Holbrook-MD 49 & Roger Anderson-VA 48. Great accomplishments! FM Dixer Morris Sorensen of ONT-CAN caught a “sporadic E opening” and logged WUWF-FL, WJSP-GA & WAXZ-LA!

10 Years Ago – From the August 18, 2008 issue of *DX News*: John Bryant announced an ongoing Awards Program for Ultralight MW DXing. Certificates will be available for loggings of 100, 200, 500, etc. stations. Committee: Gary DeBock, Rob Ross & Bryant. CO’s John Wilkins was bemoaning the IBOC status of several Denver area stations. Roy Bristow, DXing at a beach on South Cape Cod, MA hauled in Ceuta-1584, Melilla-1485 & France-1404. Shawn Axelrod’s (MB-CAN) excellent ‘Target DX’ column featured Sunrise Skip (SRS) & Sunset Skip (SSS) targeting, a favorite of your Editor here!

Ron Schiller, St. George UT – rschiller28@gmail.com.

Pro Sports Networks

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I am trying to find the National Football League (NFL) network list for the upcoming season. I am running into problems. In past years, when I went to a URL that did not exist, the nfl.com web site would display a photo of a referee throwing a yellow penalty flag with "page not found" wordage. This year I get a blank page with no notice that the page/URL does not exist. So, I go to the team's home page. And on many of the teams I have accessed, there is no menu item to see the team's radio network. I have found some network lists in the team's "Media Guide". So I am not sure that the information for the upcoming season is available. And I do not know why radio has become a second-class citizen. Is it because the NFL wants fans to purchase a Game Pass, where every game is available (for a fee). At the time of the Super Bowl, I see lots of ads on TV and in the newspaper for large-screen HDTVs - "See the big game with real clarity". I would not want to watch an NFL game on a cell phone.

If anyone finds a current NFL team list, send me the URL. Here are the lists that I have not yet found: Atlanta Falcons, Baltimore Ravens, Chicago Bears, Cincinnati Bengals, Dallas Cowboys (I found the 2017 list), Jacksonville Jaguars, Los Angeles Chargers, Los Angeles Rams, New Orleans Saints, New York Giants, New York Jets, Philadelphia Eagles, Pittsburgh Steelers, San Francisco 49ers, Tampa Bay Buccaneers, Washington Redskins.

Unreported Domestic Stations

The current list of unreported stations follows. Stations of less than 100 watts (e.g., U.S. TIS/HAR stations and Canadian LPRT stations) are omitted. Call changes don't result in a station being added to the list, nor do changes in city of license (within reason), but changes in frequency do.

Stations are considered "reported" if they appear in DDXD East or DDXD West with an actual logging; news items about the station sourced from the Web or other third sources do not count. And we only include stations that are actually reported – if you have heard the station, but didn't report it, you'll need to log and report it again.

The goal of disseminating this list is to highlight stations that many NRC members might like to hear, but that have not been reported in quite some time with a tip that might help other members hear and log the station. Even if a station on the list is not "rare DX" for you – you can be assured that no one has reported the station to DDXD in 17 years, so no one will be bored or disinterested if you can give them a hint to help them log one of these stations!

There are no new stations to add to the list reported in this issue, so the current list has 374 stations.

550	KNUI-HI	960	WBMC-TN		KBPO-TX		KDOK-TX
560	KVOK-AK		KIMP-TX	1170	WQHC-AL		KXOX-TX
	CBDN-YT		KALE-WA		WRPM-MS		KBUP-WA
570	CKWL-BC	970	WFQY-MS	1190	WPSP-FL		CKMK-BC
580	WLVA-VA		WMPW-VA	1210	KZOO-HI		CJOR-BC
590	CFTK-BC	980	KEYQ-CA	1220	WERM-AL		CFNI-BC
610	CKRW-YT		WTOT-FL		WSRQ-FL		CJAR-MB
670	WYLS-AL		WDYN-GA		WZOT-GA	1250	WSRA-GA
680	KBRW-AK	990	WRFM-IN		KQMG-IA		WKDX-NC
	KBRD-WA		WWKY-KY		WOEG-MS		WNTT-TN
720	KOTZ-AZ		WABO-MS	1230	WKWL-AL		WLQM-VA
740	WMSP-AL		KZZB-TX		WAYX-GA	1260	KCCB-AR
	KCIK-HI		KAML-TX		KLIC-LA		KBHC-AR
760	KGU-HI		CBDB-YT		WSLO-LA		WMDG-GA
790	WPNN-FL	1000	WKVG-KY		KLCB-MT		WKXR-NC
800	WMGY-AL		KSTA-TX		KRYN-OR		WHYM-SC
	KINY-AK	1010	WCSI-IN		KCUP-OR		WCLC-TN
	KAGH-AR		KDLA-LA		WMLR-TN		WWIS-WI
	KVOM-AR		WCKW-LA		WAKI-TN	1270	WGSV-AL
	WPEL-PA		WUKZ-VA		KCOH-TX		WIJD-AL
810	KYTY-TX	1020	KDYK-WA		KDYM-WA		WNOG-FL
820	WSWI-IN	1040	KLHT-HI		CHFC-MB		KNDI-HI
830	KSDP-AK	1050	WJSB-FL		CFFB-NU		WMLC-MS
	WACC-FL		WJCM-FL	1240	WMGJ-AL		KIIK-MO
850	WLRC-MS		WTWG-MS		WJLX-AL		WMIZ-NJ
860	KWRF-AR		WBUT-PA		KNSN-CA	1280	WPID-AL
	KFST-TX		WAMN-WV		WBGC-FL	1290	WOPP-AL
	CFPR-BC	1060	WGSB-NC		WKIQ-FL		WYEA-AL
	CHAK-NT	1070	KBCL-LA		WLAG-GA		KBMO-MN
870	CFBV-BC	1080	KYMO-MO		WWNS-GA		WJBI-MS
880	WAMI-AL	1090	KSFE-NM		KEWE-HI		WTYL-MS
890	WJTP-GA	1110	KAGV-AK		WEBQ-IL		KALM-MO
900	WOZK-AL		WCBR-KY		WSFC-KY	1300	WTLS-AL
	KZPA-AK		WOMN-LA		KASO-LA		KACI-OR
910	KBLG-MT		KTTP-LA		KANE-LA	1310	KZYP-AR
920	WEZZ-AL		WMUX-WV		WMIS-MS		WPCH-GA
	WPTL-NC	1120	WHOG-AL		WAVN-MS		WDPN-OH
930	KTKN-AK		KLIM-CO		KSAM-MT	1320	KSCR-OR
	WYUS-DE	1130	WQFX-MS		KBEL-OK		KXRO-WA
	KBAI-WA	1140	KSLD-AK		KRJV-OR	1330	KXXJ-AK
	KYAK-WA		KVLI-CA		KRDM-OR		KJPR-CA
940	KDIL-ID		WMMG-KY		WBAX-PA		WLBB-GA
950	KRRP-LA	1150	WXKO-GA		KVLF-TX		WNIX-MS
	WHSY-MS		WONG-MS		KXYL-TX		WHAZ-NY

	KGLD-TX		WPRY-FL		WDYG-AL		KBIX-OK
	WSNQ-VA		WAWO-GA		KDAP-AZ		WTQS-SC
	KGRG-WA		WCOH-GA		KNHD-AR		WGCD-SC
1340	WSBM-AL		WSEG-GA		WSTU-FL		WCOR-TN
	WMHZ-AL		KRPL-ID		WTAL-FL		KNEL-TX
	WJAM-AL		WEOA-IN		WXVW-IN		KWMC-TX
	KBTA-AR		WCYN-KY		WTCO-KY		KHVL-TX
	KQJS-AR		WBIP-MS		KNOC-LA		KLNT-TX
	KCAT-AR		WFOR-MS		WCJU-MS		KPLT-TX
	WPBR-FL		WJQS-MS		KWPM-MO		KJNT-WY
	WTYS-FL		WMXF-NC		KYLW-MT	1500	WVSM-AL
	WGAU-GA		KFJL-OR		KGRZ-MT		WKAX-AL
	WOKS-GA		KJDY-OR		WMRV-NC		WQMS-MS
	WBIW-IN		KBCH-OR		WLAR-TN		WSMX-NC
	WKCB-KY		WWGE-PA		KBEN-TX		WDEB-TN
	WAML-MS		WGAP-TN		KMHT-TX		KANI-TX
	KLID-MO		KRUN-TX		KNET-TX	1510	WJKN-MI
	KQDE-MT		KEBE-TX		WLUX-WV		KCTX-TX
	KYLT-MT		KLCK-WA	1460	WELZ-MS	1520	WTLM-AL
	KHUB-NE		KRSC-WA		WDOG-SC		WRCI-MI
	WPOL-NC		WBTH-WV	1470	WPNS-AL		WINW-OH
	WOUB-OH		CHNL1-BC		WMGG-FL	1530	WASC-SC
	KBNW-OR	1410	WZZA-AL		WCHJ-MS	1540	WKDG-AL
	KRBA-TX		WYIS-GA		KFMZ-MO		WMYJ-IN
	KUOW-WA		KDBS-LA		KMAL-MO	1550	WOCC-IN
	KYSP-WA		WBBX-TN		CJVB-BC		WLTI-IN
	WMON-WV		KHCH-TX	1480	WKGC-FL		WUCO-KY
	WLDY-WI		KZEY-TX		WNKW-KY	1560	WSEZ-IN
	KYCN-WY		KITE-TX		KCHL-TX		WBOL-TN
1350	WELB-AL	1420	WWSZ-GA		KNTB-WA		KNGR-TX
	WRKM-TN		WQBC-MS	1490	WFZX-AL		KHBR-TX
1360	KFFA-AR		WMYN-NC		WIRB-AL	1570	WOKC-FL
	WGJK-GA		KFYN-TX		WHBB-AL		KUKU-HI
	WFFF-MS		WXGM-VA		KXAR-AR		KMCD-IA
1370	KAWW-AR		KRIZ-WA		KOTN-AR		WABL-LA
	KTPA-AR	1430	KVHZ-AK		KLZN-CA		WIZR-MS
	WZTA-FL		KHBM-AR		WMBM-FL		WLEE-MS
	WTKY-KY		WLCB-KY		WCHM-GA		KPYK-TX
	KAST-OR		WCWC-KY		WKUN-GA	1580	KIRT-TX
1380	WRAB-AL		KMRC-LA		WSNT-GA		KTLU-TX
	WGYV-AL		KKOZ-MO		WSYL-GA	1590	KVTR-CA
	WVSA-AL		KAOL-MO		WOMI-KY		KDEX-MO
	WNLA-MS		WDJS-NC		WSIP-KY		WBHN-NC
	WAGS-SC		KROO-TX		KRUS-LA		WABV-SC
1390	KDQN-AR	1440	WGMI-GA		WCLD-MS		KDAE-TX
	WANY-KY		WOCJ-MS		WHOC-MS	1600	KTAP-CA
	KFRA-LA		WBLA-NC		KYWL-MT		KTTN-MO
	KBBO-WA		WJBS-SC		KBSR-MT		KNCV-NE
1400	WWTM-AL	1450	WZGX-AL		KHTC-MT		
	KIHH-CA		WCOX-AL		WMOA-OH		

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

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

DX Toolbox

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

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 106.

Bits and Bites from the NRC listserv:

From: Gary DeBock, Puyallup WA

Re: XHDATA D-808 The summer travel "smoke test"

Detailed information concerning the new, Chinese-made XHDATA D-808 AM-LW-FM-SW-AIR portable has been posted previously, including its hot-performing AM-DX'ing loopstick, SSB capability and rechargeable lithium-ion battery. This model was "inspired" (to be generous) by the C.Crane Skywave SSB model, which was manufactured in the nearby Redsun factories in China--with the first model sold a few months before the D-808 was "reverse-engineered."

As reported previously, the D-808 makes a few significant improvements over the Skywave SSB model-- a longer, more sensitive AM loopstick, a much stronger audio amplifier, and a much lower price (\$112 on eBay, versus \$169.99 for the Skywave SSB). After a few months with the company declining to ship to North American customers (apparently to avoid a copyright lawsuit because of the SSB circuitry, identical to that of the Skywave SSB), a single Chinese eBay seller is now doing a booming business, shipping the model to North American customers through Israel.

After performing two MW and one Longwave 7.5" loopstick transplants on the D-808 model, I can confirm that the model is well engineered (or maybe well reverse engineered?), with the loopstick connections on the RF circuit board unusually accessible, and ideal for soldering larger diameter Litz wire. There are actually two terminal connections for this purpose-- most likely to make it easy for the XHDATA engineers to test out various loopsticks.

And a loopstick transplant on the D-808 may be easier to contemplate if you consider the fact that you will not be violating the XHDATA warranty by replacing the loopstick. Why not? Because there is no evidence of any XHDATA warranty on the model, either online, or in the documents shipped along with the portable :-)

As such, I thought I would submit a D-808 model to a very rough break-in test during extensive summer travel these past two weeks. A 7.5" MW loopstick D-808 model was taken along during road trips to eastern Washington (complete with 100 degree F/ 43 degree C temperatures), rough mountain roads (on Mount Rainier, Mount Baker and Hurricane Ridge) and a visit to Vancouver, BC.

Once the supplied 3.7v Lithium Ion battery is fully charged (via a supplied USB-type connector cord), the battery provides exceptional run time. I was able to use it for many hours of DX'ing over two weeks, with no apparent loss of power. The audio amp delivers a lot of response, even when signals are weak. It takes a little time getting used to the volume control being on the left side when the tuning control is on the right, but you catch on pretty quick. The enhanced 7.5" MW loopstick model is like the "King of Compact Portables," with sensitivity enough to dig out practically everything that any other portable on the planet could come up with-- with SSB capability and multiple DSP filtering selections to boot. For someone making an overseas trip or extended travel from home, it would be a dream portable. This is the first radio to use the full capabilities of the American-engineered Si4735 DSP chip-- with exceptional results.

What finally got my undivided attention, though, was when the model was accidentally left in the trunk during our visit to Ellensburg, WA-- a location famous for 100 degree days in July. Multiple items in the trunk (shampoo, food, electric shavers, etc.) were zapped by the 104 degree temperature inside the trunk, and were either ruined, or refused to operate. As I turned on the burning-hot D-808 model I certainly expected the worst, especially when the temperature indicator showed "43 degrees C." Much to my astonishment the model performed flawlessly, though, delivering an S9 signal from the Snoqualmie Pass TIS station on 1610 kHz. Not once had the D-808 missed a beat over a tough two weeks, which included quite a few rough bumps, extremely hot days and long DX'ing hours. Despite the rather dubious design pedigree and lack of any manufacturer's warranty the D-808 had gained my respect as a hot-performing AM-DX'ing portable, ready to perform and persevere when conditions are rough. Although it's not an Ultralight radio, it certainly is an exceptional portable for the price. 73 and Good DX

From: Rick Shaftan, Rodanthe NC

Re: XHDATA D-808 The summer travel "smoke test"

This is the best portable I have seen yet.

From: Les Rayburn N1LF

Re: XHDATA D-808 The summer travel "smoke test"

Based on your recommendations, I purchased one last week, and am awaiting delivery. I own the original C.Crane Skywave, and found it to be a great performer on both AM and FM, even stock-out of the box.

Gary's reponse: Both the original CC Skywave and Skywave SSB are indeed great performers, and multiple models of each have been tested and modified here. The new XHDATA D-808 copies all the positive points of the Skywave SSB and improves upon its shortcomings, though. The fact that both C.Crane models are manufactured in China (a notorious place for "reverse engineering") made this scenario likely to happen sooner or later. In any case, DX'ers looking to purchase the latest hot-performing AM-DX'ing portable can take advantage of this fact-- related to the current trade tensions between the two countries.

From: Rick Shaftan, Rodanthe NC

Re: XHDATA D-808 The summer travel "smoke test"

I have been seeing a lot about this radio & am considering buying one - many posts mention a loop stick - my assumption is that this doesn't come with the radio & people build them. Can someone tell me if this is so & would using an old school Super Select-a-Tenna give me similar results?

Gary's reponse: I have been seeing a lot about this radio & am considering buying one - many posts mention a loop stick - my assumption is that this doesn't come with the radio & people build them. Can someone tell me if this is so & would using an old school Super Select-a-Tenna give me similar results? Although the stock XHDATA D-808 model already provides good AM sensitivity with its 3 7/8" (97mm) loopstick, its performance can be dramatically boosted by replacing the stock loopstick with an externally-mounted 7.5" transplant. A photo of such an enhanced D-808 model is posted at

<https://dreamcrafts.box.com/s/vk26lkhhu77q8buzuido03fmy5s7xst>

This 7.5" transplant loopstick is the same one used for "supercharging" the Tecsun PL-380 model, as described in the construction article posted at

<http://www.mediafire.com/file/du3sr5cd9thqvau/7.5inch-LS-PL380.doc/file>

The enhanced D-808 model would have AM sensitivity similar to that of a stock D-808 + Select-a-Tenna combo, but would not require peaking the external antenna every time a frequency is changed. This is a huge advantage for quick and easy "travel DX'ing."

From: Gary DeBock, Puyallup WA

Re: XHDATA D-808 The Ocean Cliff Showdown

Prior to this Rockwork DX'pedition it was somewhat of a challenge to track down 1017-A3Z in Tonga here at the cliff, primarily because of its very early morning sign off at around 1100 UTC. We normally arrive at the Highway 101 turnoffs around that time for antenna setup, and Tonga had usually bailed by the time the broadband loops were set up. The quick set up FSL's usually could catch the Tonga sign off, but without the sunrise enhancement boost that dramatically boosts up DU signals.

All that has changed completely with 1017-Tonga's new 24/7 broadcast schedule. The signals from Nuku'alofa have transformed into something like the old 738-Tahiti, becoming the most powerful and reliable DU big gun on the cliff. Like 558-Fiji, it seems to have somehow tapped into the Kiwi propagation pipeline to this wild site.

This morning Tonga pounded in with its best-ever signal at the Rockwork cliff at 1305 with beautiful island music, hitting S9+ on even a hot-rodded XHDATA D-808 portable

<https://dreamcrafts.box.com/s/radzvqalieda4gnakw8l34kwd4z1n9lf>

Tonga wasn't the only DU on the warpath this morning. At the 1300 the rare 2 kW Kiwi station 531-More FM pounded in with an S9 ID at the TOH, managing to completely bury its more common Kiwi co-channel PI

<https://dreamcrafts.box.com/s/9o43ydwob8pwwi98303rdelm23k83fig>

The squatters once again were out in force, making three DX'ers spread out to three different turnoffs (Tom at Rockwork 4, Chuck at Rockwork 2 and me at Rockwork 3). Despite the somewhat ragged-looking California vehicle parked only 15 feet away from me the session was uneventful (except for the good Longwave and Medium Wave DU-DX). As posted earlier, the 500 watt Longwave NDB (air navigation beacon) 260-NF on Norfolk Island, an Australian territory, showed up on a hot-rodded Tecsun PL-380 and 15" Longwave FSL at 1210

<https://dreamcrafts.box.com/s/209sk7dvhkfglpqv50gs1ehypgmzx2m2>

This was my first Ultralight South Pacific NDB reception in over 5 years, and was quite a thrill.

Gary DeBock (DX'ing at the Rockwork 3 ocean cliff near Manzanita, OR, USA)

7.5" loopstick CC Skywave SSB & XHDATA D-808 & Longwave Tecsun PL-380 portables +17" & 15" Medium Wave and 15" Longwave FSL antennas (a.k.a. "Financial Sinkhole Loops")

For those interested in how a new, stand-alone 7.5" loopstick XHDATA D-808 portable stacks up against a D-808 inductively boosted by a 17" Monster FSL, the same 2 minute segment of 1017-A3Z in Nuku'alofa, Tonga was recorded on both models from 1304-1306 yesterday at the Rockwork 3 ocean cliff near Manzanita, Oregon. Both models were raised up on standard 4' PVC bases. and all other conditions (recording level, etc.) were equalized.

Both the 7.5" loopstick D-808 and the Monster FSL-assisted D-808 start off their recordings with Tonga dominant over the Australian station 1017-2KY, which initially attempts to make it a horse race with A3Z but folds badly in the clutch.

The stand-alone 7.5" loopstick D-808 portable's reception of the two stations is linked at <https://dreamcrafts.box.com/s/xw0vuzpbqyg2gc0ekh7s2tdzm5n6r710>

The reception of a D-808 boosted by a 17" Monster FSL is linked at

<https://dreamcrafts.box.com/s/r6yrwe7pzze6kw59qnzrbg8c704kg112>

By the way, the 7.5" loopstick D-808 transplant operation is one of the easiest such modifications to perform in the history of portable DX'ing. There are two ideally-situated terminal connections to solder in a loopstick transplant, presumably because the Chinese engineers (or reverse engineers?) used this system to test out various loopsticks.

From:Rick Shaftan, Rodanthe NC

Re: Cable Interference Gone

Moved the internet cable from upstairs to the middle of the house and the QRM is GONE! Ready for a big season this Fall, if I can get time to listen.

My Kinda Radio



73 for this time Shawn

Remember On A Clear Day You Can Hear Forever

2018 IRCA Convention

The 2018 IRCA convention will be held at the Best Western Plus Charles Inn in St Charles MO on September 7 and 8 2018. The hotel is located at 1425 S. Fifth Street in St Charles, NW of I-70 exit 229B, or the first exit west of the Missouri River, eight miles west of the Lambert St Louis International Airport. Registration for IRCA members is \$0; registration for non-members is \$25 per person with free breakfast. Your host for the convention is Ken Hawkins. You can either email him at StLouisHerdFan@gmail.com or you can call him on his cell phone at (636) 577-4295. Registration and auction items can be sent to 4034 San Fernando Ln, St Charles MO 63304-2829. Make your plans and reservations now for the 2018 IRCA convention as this will probably be one of the best! All DXers are welcome!



Here's the schedule for this year's Convention:

Thursday, September 6

1800 Registration in meeting room. Hosts are Ken Hawkins and Mike Lantz

Dinner on your own at nearby restaurants

Friday, September 7

- 0600 Breakfast in the hotel lobby, free for hotel guests (to 0900)
- 0800 Registration in the front lobby, meeting room opens.
- 0900 Assemble in hotel lobby for tour of KLJY-99.1 "Joy FM" studios
- 1000 Tour of KLJY-99.1 "Joy FM" studio (guide Mike Thomas)
- 1100 Lunch at restaurant of your choice
- 1300 Assemble in hotel lobby for tour of KWRE-730/KFAV-99.9 studios
- 1400 Tour of KWRE-730/KFAV-99.9 studios (guide Steve Rotz)
- 1630 Gather in meeting room for technical talks and Q&A
- 1800 Pizza party in meeting room
- 2000 Gather in meeting room for technical talks
- 2400 Meeting room closes

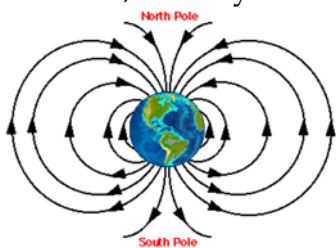
Saturday, September 8

- 0600 Breakfast in the hotel lobby, free for hotel guests (to 0900)
- 0800 Meeting room opens.
- 0830 Tech talks in the meeting room
- 1030 Discussion, plus buy/sell/trade radio music surveys, stickers, and other swag
- 1200 Lunch on your own
- 1300 Drive-by of local transmitter sites or other activities TBD
- 1500 IRCA annual business meeting
- 1700 Gather for group photo
- 1800 Banquet at Culpeper's – speaker is Mike Lantz, Miami FL
- 2030 Auction in meeting room
- 2400 Meeting room closes

Sunday, September 9

- 0600 Breakfast in the hotel lobby, free for hotel guests (to 0900)
- 0915 The Gathering Quiz, door prizes, and winner prize
- 1200 Convention ends

Technical Talk highlights: Topics include 2017 solar eclipse highlights from western America, KD9SV vs. Cat-5 Beverages for hearing trans-oceanic DX "over the shoulder," tips and triumphs from MW phasing methodology, hands on with the "Frequent-Flyer FSL," another look at Cat-5 as a legitimate antenna and some fascinating personal-experience stories from Bruce Portzer and the Florissant Valley Dial Twister. Group discussions include a look at trans-polar DX possibilities during the upcoming solar minimum. Be there! Learn from and contribute to the dialogue! – Eric Bueneman, Phil Bytheway, Mark Durenberger, Nick Hall-Patch, Neil Kazaross, Bruce Portzer.



Geomagnetic Indices

Geomagnetic Summary July 2018

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

Date	Flux	A	K	Space Weather	16	72	9	3	no storms
7/ 1	68	3	1	no storms	17	71	8	2	no storms
2	67	3	0	no storms	18	71	4	1	no storms
3	68	4	1	no storms	19	71	4	1	no storms
4	68	5	1	no storms	20	71	7	2	no storms
5	68	17	4	minor, G1	21	70	11	2	no storms
6	71	7	2	no storms	22	68	5	1	no storms
7	72	5	0	no storms	23	67	4	1	no storms
8	72	4	1	no storms	24	67	17	4	no storms
9	73	2	1	no storms	25	66	9	2	no storms
10	72	7	1	no storms	26	66	4	1	no storms
11	73	8	2	no storms	27	67	4	2	no storms
12	72	8	2	no storms	28	68	5	1	no storms
13	73	6	1	no storms	29	68	5	1	no storms
14	72	5	0	no storms	30	68	5	2	no storms
15	72	4	1	no storms	7/31	68	6	3	no storms

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

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