

DX News

Serving Medium Wave DXers since 1933

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Inside this issue . . .

- 2 ... AM Switch
- 5 ... From the Archives
- 6 ... Domestic DX Digest East
- 8 ... DX Toolbox
- 9 ... Domestic DX Digest West
- 13 ... International DX Digest
- 14 ... Geomagnetic Indices
- 15 ... GY DX Achievements
- 17 ... FCC Silent Station List
- 18 ... Submission Guidelines



From the Publisher: Looks like the DX season is off to a slower start than usual ... some interesting logs in this issue but not very many of them! Don't forget we're on the "every two weeks" publication schedule now, so your editors will be looking for reports on a more frequent basis now that the fall is here.

Thanks to Bill Hale for working on the NRC logo that you see on this page ... hopefully this is a bit more aesthetically pleasing than what we've been using.

Help Wanted: We're always looking for help with various projects for *DX News* – in particular, if someone has some design experience or skills who can offer some suggestions for how to lay out *DX News* (fonts, headers, photos and logos, filler, etc.). A lot of what we are doing now is my trying to copy what the late Paul Swearingen did over 25 years of developing the desktop publishing format that *DX News* now uses – although I put *DX News* together in Microsoft Word, and not the fancier publishing programs Paul used.

If you have some experience in design and layout using Word and would like to take a look at our layout and make some suggestions about things we could try – please send a note to me at NRCDXNews@gmail.com. Thanks! David

Membership Report

New Members: Welcome to Arthur Samel, Dresher, PA.

Rejoining Members: Welcome back to James Tedford, Bothell, WA; and Stephen Wood, Harwich, MA.

Renewing Members: Thanks for the ongoing support of Frank Aden; David Aichelman; Steven Branch; Marc DeLorenzo; Pat Doak; Allan Dunn; Robert Eddy; Michael Gaston; Paul Hansen; David Hochfelder; Karl V. Jeter; Ted S. Liszewski; Paul R. Mount; Tom Mulvaney; Thomas Owens; Jon Pearkins; Dan K. Phillips; Stephen Ponder; Bob Schroeder; and Danny Taylor.

Volume 87 DXN Schedule

No	D'dline	Print	12	Feb. 23	Mar. 3
3	Oct. 20	Oct. 29	13	Mar. 15	Mar. 24
4	Nov. 3	Nov. 12	14	Apr. 5	Apr. 14
5	Nov. 17	Nov. 26	15	Apr. 26	May 5
6	Dec. 1	Dec. 10	16	May 17	May 26
7	Dec. 15	Dec. 24	17	June 14	June 23
8	Dec. 29	Jan. 7	18	July 12	July 21
9	Jan. 12	Jan. 21	19	Aug. 16	Aug. 25
10	Jan. 26	Feb. 4	20	Sept. 13	Sept. 22

NRC AM Radio Log 40th Edition

The 40th edition of the *AM Radio Log* is the authoritative source for information on AM radio stations in the United States and Canada. U.S. loose leaf format. This publication fits nicely into a 1" three-ring binder.

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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

FCC and CRTC Decisions and Applications



CALL CHANGES

- 790 WSVG VA **Mount Jackson** – Call change to WAMM (Sept. 30).
 1080 WOCN FL **Coral Gables** – Call change to WQOS (Sept. 26).
 1280 WRHA TN **Dayton** – Call change to WALI (Sept. 25).
 1450 WOXO ME **South Paris** – Call change to WPNO (Sept. 26).
 1590 WRXB FL **St. Pete Beach** – Call change to WTPA (Sept. 26; station is silent).

STATIONS GOING DARK

- 910 WRFV GA **Valdosta** – License cancelled by FCC; appears to have been silent for quite some time and did not respond to FCC requests for status information.
 1010 KDLA LA **De Ridder** – License cancelled at licensee's request.
 1050 WGAT VA **Gate City** – License cancelled Oct. 2; missed two deadlines to renew license.
 1230 WAMM VA **Woodstock** – Changed calls to WSVG on Sept. 30 and immediately voluntarily surrendered the station license; unsure if WSVG was ever used on the air.
 1480 WTOY VA **Salem** – License cancelled Oct. 2; missed two deadlines to renew license.

CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CP built, awaiting final licensing:

- 1330 WCVC FL **Tallahassee** – Applies for license to cover CP for U1 3200/26, new site (diplexed with WFRF-1070) 30-30-34/84-20-07 (being used on the air, see below).
 1460 WPON MI **Walled Lake** – Applies for license to cover CP for U4 670/580, new site 42-32-39/83-33-36.

CPs granted:

- 750 WBMD MD **Baltimore** – Granted CP for D1 800, diplexed with WFSI-860, 39-18-42/76-29-29.
 810 WRSO FL **Orlovista** – Granted CP for U5 2000/21, existing site but adjusted coordinates to 28-34-12/81-26-00; supersedes prior CP for U5 2500/24 from a different site.
 1490 WSVM NC **Valdese** – Granted CP for new tower/site, 35-44-45/81-35-39.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 570 WNAX SD **Yankton** – Granted STA, U1 5000/1250, cannot switch to night pattern.
 790 WLBE FL **Leesburg-Eustice** – Granted STA, U1 5000/250, cannot switch to night pattern.
 1160 KMRV IA **Waukon** – Granted STA, D1 250, 430' LW antenna on KNEI-FM-103.5 tower.
 1430 WPLN TN **Madison** – Granted STA, U1 5000/250, lightning damage.
 1460 WQOP FL **Jacksonville** – Granted STA, U2 5000/5000, transmitter problems.

Application for STA received:

- 1170 WPFB MA **Orleans** – Applies for STA, D1 25, whip at slightly different location than existing STA, at 41-44-51/69-58-30.
 1540 KGBC TX **Galveston** – Applies for STA, U1 1000/65, 2 towers have been taken down.
 1560 KGOW TX **Bellaire** – Applies for STA, U3 15000/15000 from night site; flooding at day site.

Extensions granted to existing STAs:

- 570 WSYR NY **Syracuse** – Granted STA extension, parameters at variance.
 790 WAEB PA **Allentown** – Granted STA extension, U5 3600/375 and day parameters at variance.
 930 KIUP CO **Durango** – Granted STA extension, reduced power (using U1 190/100).
 960 WHYL PA **Carlisle** – Granted STA extension, U1 1300/22 from WCAT-FM-102.3 tower.
 980 WOFX NY **Troy** – Granted STA extension, parameters at variance.
 1050 WJCM FL **Sebring** – Granted STA extension, reduced power (using U1 750/11).

1080	WQOS	FL	Coral Gables – Granted STA extension, U4 50000/20000 (Cuban QRM).
	WKJK	KY	Louisville – Granted STA extension, parameters at variance.
1150	WHUN	PA	Huntingdon – Granted STA extension, reduced day power (using U1 1000/36 as in CP).
1220	KLBB	MN	Stillwater – Granted STA extension, U1 20/20, 70' LW at 45-04-08/92-48-23.
1240	KJAA	AZ	Globe – Granted STA extension, minor parameters at variance.
1260	WSHU	CT	Westport – Granted STA extension, U1 250/2, LW at 41-07-42/73-23-26.
1300	WIBR	LA	Baton Rouge – Granted STA extension, U1 300/11, WXOK-1460 tower.
1360	KWWJ	TX	Baytown – Granted STA extension, parameters at variance.
1370	WLLN	NC	Lillington – Granted STA extension, day parameters at variance (using U4 1000/49).
1440	WGIG	GA	Brunswick – Granted STA extension, parameters at variance.
1470	KLCL	LA	Lake Charles – Granted STA extension, reduced power (using U1 2500/500).
1520	WINW	OH	Canton – Granted STA extension, D1 250, LW at 40-48-32/81-22-35.
1550	WNTF	FL	Bithlo – Granted STA extension, D1 2500.
1590	WFTH	VA	Richmond – Granted STA extension, reduced tower height.
1600	WLXE	MD	Rockville – Granted STA extension, U1 1000/125.
1700	WRCR	NY	Ramapo – Granted STA ext., U1 2500/250, 175' LW, at 41-11-22/74-00-55.

Applications to extend existing STAs received:

790	WKRD	KY	Louisville – Applies to extend STA, night parameters at variance.
940	WIPR	PR	San Juan – Applies to extend STA, U1 2500/2500 from WKAQ-580 tower.
1070	WCSZ	SC	Sans Souci – Applies to extend STA, U1 2000/375.
1110	WVJP	PR	Caguas – Applies to extend STA, shorter tower (Hurricane Maria damage).
1130	KSDO	CA	San Diego – Applies to extend STA, U1 2500/2500, drop wire at KLSD-1360 site.
1190	WPSP	FL	Royal Palm Beach – Applies to extend STA, U4 2200/410 (Cuban QRM).
1230	WRBS	MD	Baltimore – Applies to ext. STA, U1 400/400, WOLB-1010/WWIN-1400 tower.
1350	WEGA	PR	Vega Baja – Applies to extend STA, U1 625/625.
1360	WCHL	NC	Chapel Hill – Applies to extend STA, night parameters at variance.
1370	WGIV	NC	Pineville – Applies to ext. STA, U1 25/25, 110' vertical LW, 35-11-56/80-52-36.
1590	WPUL	FL	South Daytona – Applies to extend STA, U1 250/32, CP site.

SILENT STATIONS

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

790	WLBE	FL	Leesburg-Eustis – Silent June 19; back on the air with STA Sept. 26 (see above).
1120	WBBF	NY	Buffalo – Silent July 16; back on the air Sept. 25.
1330	WCVC	FL	Tallahassee – Silent Nov. 28; back on the air with U1 3200/26 CP Sept. 20.

Stations informing the FCC that they are silent:

1240	KRAL	WY	Rawlins – Silent Sept. 25; weather damage to tower requires replacement.
1250	WYTH	GA	Madison – Silent Sept. 6 for equipment upgrades pending sale.
1540	WBIN	TN	Benton – Silent Sept. 19; lost transmitter site, station will be sold.
1560	KGOW	TX	Bellaire – Silent Sept. 18; flooding from Tropical Storm Imelda.

COORDINATE CORRECTION

567	KGUM	GU	Agaña – CP to correct coordinates to 13-23-28 N/144-45-42 E is on the air.
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NRC AM Log Updates

540	WFLF	FL	Pine Hills – Slogan & Group to Grp= WFLA Orlando.
550	KTSA	TX	San Antonio – Slogan to "NewsTalk," "Stay Connected."
600	WBOB	FL	Jacksonville – Group to Grp= AM 600 WBOB.
620	WGCV	SC	Cayce – Slogan to "Classic Inspiration & Information," adds // W242CR-96.3.
710	WYJV	TN	Smyrna – Slogan to "Portadora de Buenas Nuevas," drops networks.
760	WLCC	FL	Brandon – Format to REL (ex-SS:REL); slogan to "Relevant Radio," nets to IHR.
770	WAIS	OH	Buchtel – Adds // W280FZ-103.9 (FCC)
790	WLBE	FL	Leesburg-Eustis – Format to OLD/NOS (ex-Silent); delete slogan. (DP) (TK)
810	WRSO	FL	Orlovista – Slogan "Accion 97.9," add // W250CE-97.9; delete Grp= Accion 97.9.
820	WWBA	FL	Largo – Format to TLK (ex-NWS/TLK); networks to WW1/RER. (TK)
	WTNW	TN	Jasper – License gone from AMQ 9/19/2019; delete from the Log.
830	KGLA	LA	Norco – Slogan & Group to Grp= Radio Tropical.

860 KKOW KS **Pittsburg** – Adds // K248DR-97.5. (GH)
 920 KVIN CA **Ceres** – Slogan & Group to Grp= The Vine.
 930 WKY OK **Oklahoma City** – Format to SPT (ex-SS:SPT); networks to ESPN, Group to Grp= The Sports Animal
 940 KCOE OR **Bend** – License gone from AMQ 9/19/2019; delete from the Log.
 960 KGWA OK **Enid** – Adds // K265FL-100.9. (FCC)
 1030 WYCZ TN **White Bluff** – Slogan to "Young Country 96.7." (PS)
 1040 KCBR CO **Monument** – Format to HipHop/Shopping (ex-HipHop); slogan & Group Grp= Radio Shopping Show. (WH)
 1080 WQOS FL **Coral Gables** – Slogan & Group to Grp= Radio Luz Miami.
 1100 KKLL MO **Webb City** – Adds // K221GQ-92.1. (FCC)
 1120 WBBF NY **Buffalo** – Delete // W262CM-100.3. (FCC)
 1160 KMRV IA **Waukon** – Slogan to & Group to Grp= 99.1 the River.
 WMET MD **Gaithersburg** – Adds // W276DT-103.1. (FCC)
 1230 WRJX AL **Jackson** – License gone from AMQ 9/19/2019; delete from the Log.
 WHOP KY **Hopkinsville** – Slogan to "News Radio."
 KZTQ NV **Reno** – Format to SPT (ex-HipHop); slogan to "The Game."
 1240 KDEC IA **Decorah** – Format to AC/EZL (ex-OLD); drops networks; slogan & Group to Grp= 99.1 the River.
 KTIX OR **Pendleton** – Networks to FSR.
 WGMN VA **Roanoke** – Networks to Fox/CMP/JBo.
 1260 KSFB CA **San Francisco** – Slogan & Group to Grp= Relevant Radio 1260.
 1270 KSCB KS **Liberal** – Networks to SRN/Agt/Ok/Oa/USA/P/Ru/DR/FSR.
 WMPM NC **Smithfield** – Format to UC:GOS (ex-REL).
 1280 KSOK KS **Arkansas City** – Networks to Fox. (GH)
 1290 KPAY CA **Chico** – Format to SPT (ex-TLK); slogan to "Kpay Sports," networks to FSR, adds // K275CO-102.9, delete Group.
 1310 KOKX IA **Keokuk** – Format to TLK/C&W (ex-C&W).
 1320 WFHR WI **Wisconsin Rapids** – Networks to C/CS/Wi/WW1/DR. (WH)
 1330 KXXJ AK **Juneau** – Slogan to "KXJ 1330 & 107.9," adds // K300AB-107.9.
 WCVC FL **Tallahassee** – Slogan & Group to Grp= Divine Word Radio (*was Silent*).
 1340 WDSR FL **Lake City** – Adds // W240DU-95.9. (FCC)
 1350 KDIO MN **Ortonville** – Slogan to "Classic County 1350," networks to WW1/Mn. (WH)
 WHWH NJ **Princeton** – Delete // WTTM-1680. (BG) (RE)
 WBLT VA **Bedford** – Networks to Fox/CMP/JBo.
 1380 WWMI FL **Saint Petersburg** – Format to REL (ex-BIZ); slogan to "Relevant Radio," networks to IHR.
 1400 KEYL MN **Long Prairie** – Adds // K276GS-103.1. (FCC)
 1430 KROL MO **Carrollton** – Slogan to "The Grenade."
 1440 KRDZ CO **Wray** – Networks to Fox/WW1. (WH)
 1450 WKAT FL **Miami** – Format to SS:REL (ex-SS); slogan & Group to Grp= Radio Luz Miami.
 WHRY WI **Hurley** – Slogan & Group to Grp= Oldies 102.9. (JJR)
 1460 WGSY AL **Phenix City** – Slogan to "Mix 94.7."
 1460 WQOP FL **Jacksonville** – Slogan to "Relevant Radio," networks to IHR; delete Grp= Queen of Peace Radio.
 1480 WJTW AL **Bridgeport** – Adds // W239CO-95.7. (FCC)
 WQTM NC **Fair Bluff** – Format to UC:GOS (ex-Tourist); delete slogan.
 1490 KVWC TX **Vernon** – Format to OLD (ex-C&W/OLD).
 1510 WQUL SC **Woodruff** – Format to CLR (ex-C&W); slogan to "Cool Q Radio."
 1520 WXYB FL **Indian Rocks Beach** – Adds // W280FD-103.9. (FCC)
 WTRI MD **Brunswick** – Format to ETH (*This has been Reported Silent*); adds // W269DH-101.7; delete Group Stereo 103.3.
 1580 WCCF FL **Punta Gorda** – Adds // W265EA-100.9. (FCC)
 WBCP IL **Urbana** - Reported Silent (JJR)
 1590 WFTH VA **Richmond** – Group to Grp= Independent Music Radio (ex-Grp= Community Radio).
 1600 WZNZ FL **Atlantic Beach** – Format to REL (ex-BIZ/TLK); slogan to "Relevant Radio," networks to IHR; delete // W262AG-100.3.
 1680 WTTM NJ **Lindenwold** – Format to SS:MEX (ex-SS:SPT); delete slogan, networks; delete // WHWH-1350. (*This did not go to TUDN Network as previously reported – Thanks to Barry Davies & Mauno Ritola for bring it to our attention confirmation by (BG) & (RE).*)

New Groups

Grp= 99.1 the River – KMRV-1160, K256CS-99.1, KDEC-1240, K235CT-94.9
 Grp= AM 600 WBOB – WBOB-600, W262AG-100.3, W266CX-101.1
 Grp= Divine Word Radio – WCVC-1330, W245AN-96.9, W245CB-96.9
 Grp= Oldies 102.9 – WHRY-1450, W275CR-102.9, WVVE-95.3 (JJR)
 Grp= Radio Luz Miami – WKAT-1450, WOCN-1080, W270CV-101.9, W249DM-97.7
 Grp= Radio Tropical – KGLA-830, K289AM-105.7, 234DH-94.7
 Grp= Relevant Radio 1260 – KSFB-1260, K285FA-104.9, K269FB-101.7
 Grp= The Vine – KVIN-920, K296HL-107.1, K222BX-92.3
 Grp= WFLA Orlando – WFLF-540, W231CT-94.1, W226BT-93.1

Group Changes

Grp= Buffalo's Very Own adds W262CM-100.3 Buffalo (*xlator is silent*)
 Grp= Independent Music Radio adds WNRS-FM-89.9 Sweet Briar
 Grp= Radio Shopping Show adds KFVR-FM-104.9 Rye (WH)
 Grp= Talk Radio for Roanoke adds W258DN-99.5 Roanoke
 Grp= The Sports Animal adds WKY-930 Oklahoma City

Group Name Changes

Grp= Blazin' 98.5 becomes Grp= Radio Shopping Show (WH)
 Grp= Community Radio becomes Grp= Independent Music Radio

Deleted Groups

Grp= Accion 97.9
 Grp= Classic Inspiration & Information
 Grp= K-Pay 1290 New Talk
 Grp= Queen of Peace Radio
 Grp= Stereo 103.3



Thanks to Shawn Axelrod, Bill Hale (BH), FCC Database (FCC), Robert Vance, Bob Galerstein (BG), Russ Edmunds (RE) Glenn Hauser (GH), Terry Krueger (TK), David Potter (DP), John Santosuosso (JS), Paul Snider (PS), John J. Rieger (JJR).

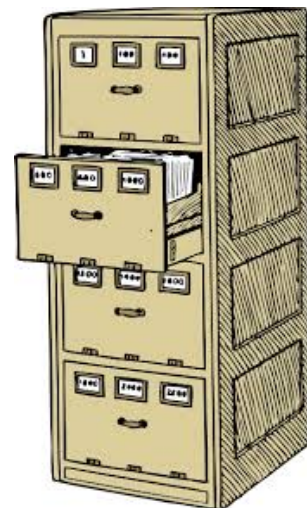
From the *DX News* archives

75 Years Ago – From the October 14, 1944 issue of *DX News*: A feature article on DXing for Trans-Atlantic stations by Joseph Lippincott noted that it is not quite as easy to hear TAs as it used to be: “It is not so simple these days with all niters to compete with.” With the war (hopefully) coming to an end, it may be possible to verify TA stations once again soon. Ernie Cooper reported no new verifications, still at 1033 total so far.

50 Years Ago – From the October 11, 1969 issue of *DX News*: Russ Edmunds is very impressed with the new NRC FET altazimuth loop plans; “peaks and nulls are extremely sharp and deep.” Jay Murley, who works at the ad agency that handles KFI’s account, said their San Francisco office was getting questions about why “the Braves station next to KFI was so staticky,” and upon learning the location of WSM a new DXer was made! TIQ, Limón, Costa Rica was being widely heard broadcasting in English on 1203.59 kHz, as measured by Gordon Nelson.

25 Years Ago – From the October 17, 1994 issue of *DX News*: Six Quebec radio stations, including CJMS-1280 Montreal, CKCH-970 Hull (Ottawa), and CJRP-1060 Quebe City, were taken silent as a result of the merger of Telemedia and Radiomutuel. Elliot Straus wrote a comparison of the Kiwa and Quantum loops. Tony Fitzherbert’s station profile featured WTAQ-1300 LaGrange IL, in the Chicago market.

10 Years Ago – From the October 19, 2009 issue of *DX News*: The FCC adopted new rules allowing AM stations to broadcast on FM translators under certain conditions. Shawn Axelrod explained how Canadian broadcasting differs from that in the United States and offered tips for DXers identifying Canadian stations. Bruce Conti reported Japan-774/828 and South Korea-963/972 on a DXpedition to Priest Pond, Prince Edward Island.



All *DX News* editions from Volume 1 Issue 12 through Volume 82 are now available free to the public at the NRC web site: <http://nationalradioclub.org/DXNs/index.html>.

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, C Crane Skywave, ALA-1530 loop, Kiwa Pocket Loop.
- KK-VA** Kraig Krist, Manassas – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- PS-ON** Paul Snider, London – Elad FDM-S2, Pixel Pro 1B loop, MFJ-1020C tuner
- JW-PA** Jim Weber, Oyster Point – Grundig S350
- MKB-ON** Mike Brooker, Toronto – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Panasonic RF-2200

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

Friend me on Facebook! www.facebook.com/keval.mike

View me on Instagram! **brookermike**

DX TEST

- 1480 WRCK NY Remsen – 9/22 0000 – Morse code at 500 and 1000hz, ID at 0019: "This is an equipment test by WRCK AM...", heard same ID a few times, "We are WRCK..." at 0024. Fair occasionally to very poor with WDJQ, WHBC and WZRC. **(PS-ON)**

UNID

- 1450 unID -- - 9/27 1943 – "You're listening to The Weed..." Album oriented rock music. Strong at times. **(HJH-PA)**

PIRATE/BOOTLEG

- 1630 ---- -- Tater Patch Radio – 9/14 2315 – Playing oldies like "Boogie Fever" by The Shivers, "Keeping The Faith" by Billy Joel, "Tater Patch Radio" ID at 2321, more music from Southern Culture on the Skids, Red Hot Chili Peppers. Good fading to very poor. Coming in much better than they were on 1710 before 2300. // to taterpatchradio.com. **(PS-ON)**
- 1710 ---- -- Tater Patch Radio – 9/14 2258 – Oldies music, played the theme song from Rawhide, multiple Tater Patch Radio IDs and off at 2300. Very poor. **(PS-ON)**

LOGGINGS

- 680 WCTT KY Corbin – 9/8 2220 – American standards/oldies music including "Mrs. Robinson" by Simon & Garfunkel, "Great 68" slogan at 2223. Poor to very poor with CFTR, WPTF. First time heard at this location. **(PS-ON)**
- 690 WELD WV Fisher – 9/15 0002 – "Sunglasses at Night" by Corey Hart, "...all the gold under one roof, 690 WELD" at 0005 into "Jet Airplane" by Steve Miller Band. Poor to very poor mostly under CKGM. **(PS-ON)**
- CBKF-1 SK Gravelbourg – 9/18 2345 – French talk and lots of laughter by two female announcers, music in FF, more talk. Fair at times to very poor with CKGM and possibly WELD. // to Tune In stream. First time heard at this location. **(PS-ON)**
- 730 WZGV NC Cramerton – 9/30 0600 – Over usual CKAC and Zoomer-740 slop with "ESPN 730 the Game...in uptown Charlotte" into local sports talk (UNC, Panthers). **(MKB-ON)**
- 940 WKYK NC Burnsville – 9/30 0536 – Sloganeering as "Real Country" at this time. C&W songs confirmed with net-stream. Rising up once in a while. **(JW-PA)**
- 950 WAKM TN Franklin – 10/5 0408 – In fairly well with local community bulletin board after the news. Continuing reception through 0600 with C&W music, IDs, and "Home Town Radio" slogan. **(JW-PA)**
- 970 WNYM NJ Hackensack – 10/5 0705 – Over nulled Buffalo pest WDCZ with local weather, "Intelligent Conservative talk, 970 AM the Answer" slogan. **(MKB-ON)**
- WDAY ND Fargo – 9/19 0011 – Various clear WDAY mentions, storm tracker app promo with another WDAY mention, WDAY Deal of the Week promoting local

restaurant, community calendar. Fair briefly to very poor in station mix. **(PS-ON)**

- WATH OH Athens** – 9/22 0056 – "Sherry" by the Four Seasons, "Hocus Pocus" by Focus, ToH ID "...AM 970, 97.1 WATH...", CBS news. Poor in station mix including WGTK. // to Tune In stream. **(PS-ON)**
- 990 WNTY CT Southington** – 9/27 0404 – Frequent "Kool Radio" slogans amid the classic oldies. **(JW-PA)**
- WEEB NC Southern Pines** – 9/27 0459 – Callsign ID and mention of both FM outlets before going into news on the hour. Ads for the Hoagy Carmichael Stardust Road production at the Temple Theater in Sanford, NC at 0503 and 0533. Peeping in a bit during this period. **(JW-PA)**
- WNML TN Knoxville** – 9/11 2351 – Ferrall On the Bench, national ads, ToH ID "...WNML Knoxville...Cumulus stations...", sports news. Fair occasionally to very poor in station mix including CBW. First time heard at this location. **(PS-ON)**
- 1000 WIOO PA Carlisle** – 9/20 0722 – In multi-station mix with male "Country gold WIOO" ID. **(KK-VA)**
- WGVY VA Altavista** – 9/20 0732 – In multi-station mix (WMVP, WRTG, WIOO, R. Granma from Cuba and UNID talker) with "...funky Friday...here on 102 'The Groove'" station promo. New station for me. **(KK-VA)**
- 1010 WUKZ VA Marion** – 9/20 0715 – In multi-station mix (WINS CFRB, WHIN and UNID religious talk) with gospel singing, "KZ 101" slogan. New station for me. **(KK-VA)**
- WPCN WI Stevens Point** – 9/19 0033 – "Saturday in the Park" by Chicago, "True Oldies Channel" slogan at 0037, "Duke of Earl" by Gene Chandler, FM-only ID at 0044 "True Oldies Channel 92.1 WPCN". Fair at times to very poor with CFRB mostly nulled. // to Tune In stream. **(PS-ON)**
- 1030 WONQ FL Oviedo** – 9/20 0636 – In multi-station mix (WBZ, WWGB, WDRU and UNID religious talk) with Spanish singing, male with something in SS then "Viva FM" slogan. New station for me. **(KK-VA)**
- WDRU NC Creedmoor** – 9/20 *0702 – In multi-station mix with teen sounding female announcing WDRU apparent sign-on, but is actually the sign-off message! Includes FCC requirement to sign-off, how to listen 24/7, etc. Someone is apparently asleep at the control board. **(KK-VA)**
- 1040 WPBS GA Conyers** – 9/20 0600 – In multi-station mix (WURN, WHO, WYSL, two UNIDs and SS, probably Cuba) with Vietnamese programming, "WPBS Conyers AM 10-40" ToH ID in EE into Radio Free Asia intro music. **(KK-VA)**
- CKST BC Vancouver** – 9/15 0020 – Noted an interview under WHO with mentions of the Whitecaps (Vancouver soccer team), turns out it is the post game show Whitecaps v. Houston Dynamo, clearly mentioned "Whitecaps 2-1 victory..." at 0034. Checked CKST Tune In stream and it was //. Very poor, eventually drowned out by WHO and WSGH. First time heard at this location. **(PS-ON)**
- 1050 WFAM GA Augusta** – 9/27 0529 – Mixing with WVXX, WBQH and UNID sports talk, ID as "Marching with the Christian church in the CSRA. WFAM Augusta." **(KK-VA)**
- WVXX VA Norfolk** – 9/8 2250 – Spanish language "pop" sounding music, "...103.3...Selecta" slogan by female at 2256, more music, couldn't catch TOH ID unfortunately. Fair briefly, poor at best to very poor with CHUM. // to Tune In stream. **(PS-ON)**
- 1060 WCOK NC Sparta** – 9/27 0714 – Mixing with KYW, R. Viente Seis and UNIDs (rock, gospel), station promo: "Supporting the local church...this is GBI radio WCOK 1060 AM and 107.3 FM...and also you can find us on the internet at gbiradio.org". New station for me. Probably good thing this is a Gospel station otherwise I can just imagine the slogans. **(KK-VA)**
- 1070 WPLB NY Plattsburgh** – 9/23 1901 – Over Blue Jays game on CHOK with "Mid-Century Radio WPLB Plattsburgh, Burlington, Montreal" ID into 1950s do-wop song. **(MKB-ON)**
- 1080 WHOO FL Winter Park** – 9/27 0530 – Presumed in multi-station mix (WTIC, WWNL, UNID Spanish singing, more religious talk and another UNID gospel station) with male "This is relevant radio" slogan. Is this WHOO? Not finding another "Relevant Radio" on 1080 kHz. **(KK-VA)**
- 1090 WAQE WI Rice Lake** – 9/15 2238 – On after sunset // to 1240 WJMC playing oldies by Ace, Michael MacDonald, ID at 2242 "...AM 1240 WJMC", promo with 715 area code, more oldies. Good fading to very poor with WBAL. **(PS-ON)**

- 1470 WRGA GA Rome – 9/30 1943 – Clearly heard ID among other weak signals. “98.7 FM and 1470 WRGA” (HJH-PA)
- 1640 WTNI MS Biloxi – 9/22 0130 – Now playing classic country (formerly ESPN), IDing as “Classic Country 103.5 The Possum”. Poor under WSJP. // to Tune In stream. (PS-ON)

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 120.

This is a picture of the CBC studio in what is called the Diefenbunker. It was named after Prime Minister John Diefenbaker and was built in 1959 as part of a huge underground complex and emergency shelter outside of Ottawa Ontario Canada. It was never used but was built to keep the government and a lot of gold bars safe in case of nuclear war. The CBC had a studio built to broadcast to Canadians to help keep them informed of the situation should war break out.



You can read more at: <https://diefenbunker.ca/about-the-diefenbunker/>

As well there is an Amateur radio club operating out of the facility. VE3CWM (Cold War Museum) operates the DARC or Diefenbunker Amateur Radio Club who have wonderful web site. The site has some pictures of the old equipment including “a collection of AR-88 (Canadian GR-17), Hammarlund SP-600, Racal RA-17, Collins 2050 and other receivers representing the equipment that provided the mainstay of the bunker’s listening capability over its operational lifetime.” It is worth a look just for the equipment as not many places have racks (yes plural) of such vintage equipment.

Bits and Bites from the NRC listserv

From: Mark Durenberger

Re: World War II Radio Stations

I wonder how many of these stations were heard by DXers?

<http://www.durenberger.com/documents/MOSQUITONETWORK.pdf>

(Editor: Not me; I wasn’t born until 1953, but that is a great article.)

From: Les Rayburn les@highnoonfilm.com

Re: Low RF Noise LED Lights

Budget is very tight here. A couple of years ago, my wife and I converted all the lights in the house from CFB to LED lights and the savings on our monthly bill have been significant, \$22 dollars a month on average. The downside is that the LED bulbs put out a lot of noise on LF, MW, and HF. A few months ago, I saw a thread about some LED bulbs that were ham-radio friendly, putting out considerably less EMI than other bulbs. Alas, the link was broken. Has anyone found an LED light bulb that is radio-friendly? If you have links to directly purchase them, even better. Thanks in advance.

73 for this time, Shawn.

Remember On A Clear Day You Can Hear Forever

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Domestic DX Digest – West

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

w_r_hale@sbcglobal.net

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

PLEASE SUBMIT ALL REPORTS IN THE FORMAT SEEN BELOW

Please submit all reports in the format seen below. Send either within an email, or as an attachment in plain text or RTF. No Excel, Word or PDF documents, please. All times are Eastern Local Time (ELT)!! Remember, this column reports DX Achievements and is not a platform for political or social commentary or remarks. Your cooperation is much appreciated. Reports older than 30 days will be excluded at the editor's discretion.

Upcoming deadlines for Volume 87 Issue 3 and 4: Fridays, October 18 and November 1, respectively

📻 Frequency of the week: 1560! 📻

REPORTERS

- SMA-MB** Shawn Axelrod Winnipeg, Manitoba Receivers: ICOM IC-R70 / Drake R8 / SDRPlay RSPduo; Antennae: 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
- TK-FL** Terry Krueger Niceville, FL IC-R75, ICF-7600GR, active loop
- JEL-MO** J E Lewis Kansas City, Missouri Honda Odyssey car radio
- JJR-MI** John J Rieger L'Anse, Michigan Grundig Satellit 750 -Terk AM1000 loop, Sangean ATS-909X stock (Terk loop can/does phase the Grundig antenna)
- JJR-WI** John J Rieger South Milwaukee, Wisconsin Icom IC-R75, MFJ-959B tuner/preamp, Kiwa loop, Sangean ATS-909X stock
- JW-CO** John Wilkins Wheat Ridge, Colorado Drake R-8, 4-foot box loop

SPACE RESERVED FOR YOU!!

DX TESTS

- 1480 WRCK NY Remsen – 9/22 0000** – Heard the DX test here with code and tones about 30 seconds into the test. Then again around **0008** and **0011**. FIRST NEW one of the season! You have to love well-produced DX tests. **(SMA-MB)** (Comments: After listening to my recordings, I confirmed what I thought I had heard along with the DX test. So, two new ones for the price of one. I was using the RSPduo for the test and played back the recording. Amazing what you can do with this little box!)
- 1480 WRCK NY Remsen – 9/22 0000** – Poor, but code cut through, and back a few minutes later. Logged as WADR in 1982. Unneeded. **(JJR-WI)**

UNID

- 1710 UNID** - 9/26 0706 – Likely something pirate; carrier only; peaking about 60/240 degrees. On, or very nearly on, frequency; seems to be here most local mornings before sunrise. No trace of the Louisiana Spanish Christian pirate for a long time. **(TK-FL)**

TIS/OTHER

- 1650 WQYZ315 FL Mossy Head Florida DoT (HAR) I-10 Exit 70 – 9/30 1703** – Poor, but the same compu-woman with the usual generic loop which includes lots of call signs, the same loop used on the FDoT HAR at mile marker 45 near Holt. Certainly this one though, far closer but still about 15 miles NNE of here. **(TK-FL)**

DX LOGGINGS

- 560 KMON MT Great Falls – 9/27 0750** – Poor, with “. . . the Voice of the . . . , 560 KMON. Shenandoah, live in Great Falls”. This, thru WEBC. No WIND to be found. **(JJR-MI)**

- 570 WIDS KY Russell Springs – 9/22 2029 – Poor, with calls said twice, GOS music. Only second time heard. Alone. (JJR-WI)
- 600 WMT IA Cedar Rapids – 9/26 0730 – ID as “News Radio 600 WMT Cedar Rapids, an iHeart Radio Station”; one minute of Fox News was followed by area news on “The WMT Morning Show”. Fair signal, in QRM. (JW-CO)
- 600 KSJB ND Jamestown – 9/27 0705 – C&W music followed by several local ads at 0710; back to music at 0713 after an ID which also mentioned 100.1 FM. Fair/good signal in the mix. (JW-CO)
- 610 WAGG AL Birmingham – 9/22 2026 – Poor, with Urban GOSpel music, “Heaven 610” sweeper. Alone! Been a while! (JJR-WI)
- 650 CKOM SK Saskatoon – 10/3 0746 – Poor, with Saskatchewan temperatures, “. . . here in Saskatoon . . .” and “CKOM Newstime 5:46”. No WSM. (JJR-WI)
- 670 KLTT CO Commerce City – 9/26 2114 – Fair-to-good, over/under WSCR, with “Through the Bible” program, gone at 2115 pattern change. Commerce City is in the Denver area, running 50 kW days directional with a null toward the north but powers down to 1400 Watts night protecting WSCR. Most of their signal beams south. New! (JEL-MO)
- 690 CKBF-1 SK Gravelbourg – 10/3 0645 – Poor. FF “Chaine” noted while chasing others. Lackluster session. (JJR-WI)
- 710 WTPR TN Paris – 10/2 0654 – Poor -- “You’re Only Lonely” by J D Souther, chatter, “WTPR.com”. Alone. (JJR-WI)
- 740 KNFL ND Fargo – 9/27 0718 – Poor, with “740 the Fan & 107.3 FM”. No CFZM at all. (JJR-MI)
- 790 WLBE FL Leesburg-Eustis – 10/3 0718 – Silent since June, back on with Perry Como, Jennifer Warnes, Olivia Newton-John. IDed the next day at 0701: “. . . AM 790, WLBE . . .” into “Funny Face” by Donna Fargo. Thanks David Potter near Gainesville, FL for a day check on 10/3, confirming they’re back on with OLD/NOS format, ex-C&W. And Wayne Heinen for confirming off the silent list since 9/26. (TK-FL)
- 790 KFYO TX Lubbock – 9/28 0742 – Poor, with 'Noxotril' ad, “This is News-Talk 95.1 & 790 KFYO” into talk. Alone. (JJR-MI)
- 810 WSJC MS Magee – 9/29 0756 – Conclusion of Ministry Of Amazing Facts, male canned: “You are listening to WSJC . . .” and into another brokered gospel show. Quickly destroyed by WCKA day power up. (TK-FL)
- 840 WHAS KY Louisville – 9/27 0720 – Typical wake-up fare (news, sports, weather, traffic, ads, etc.) on “Kentuckiana's Morning News”; ID's as “News Radio 840 WHAS”. Fair signal, approaching sunrise fadeout. (JW-CO)
- 860 WAEC GA Atlanta – 9/28 0741 – Christian block preacher programming, one with 678 Area Code. Commercial or something with 770 Area Code. Male: “WAEC . . . home of Atlanta's . . .” and back to preaching. (TK-FL)
- 860 KWPC IA Muscatine – 9/29 0708 – Poor, with “. . . weather from KW. . .” (lost)... then “KWPC” and C&W. CJBC nulled. (JJR-MI)
- 860 WLBG SC Laurens – 9/28 0804 – Ending of Fox News, local weatherman opening tagged as “From the WLBG weather center . . .”. Very poor, in weak WAEC co-channel. Surprised it was at all there this late and at 1000 Watts day power. (TK-FL)
- 910 WZMG AL Pepperell – 9/30 0756 – Spot for emergency care “. . . for Opelika and Auburn”. ID with calls for WZMG and WPCH, West Point (GA) then “Fox Sports 910 AM and 1310 AM, The Game” into Fox News. (TK-FL)
- 930 WLBL WI Auburndale – 9/24 0733 – Area weather, followed by a nice ID: “AM 930, FM 99.1 and 100.9 WLBL Auburndale-Stevens Point, the Ideas network;” mentions of Wisconsin Public Radio and wpr.org, with pleas for support. Fair, in QRM. Not often heard here. (JW-CO)
- 960 KLTF MN Thief River Falls – 10/2 0706 – Poor, with local news, mentions. No usual WSBT. (JJR-WI)
- 970 WVOP GA Vidalia – 10/1 0659 – “News Talk 105.3 and 970 AM, WVOP . . .” into ABC News, then mention of southeastgeorgiatoday.com. Local news bottom of hour. Strong XERFR co-channel. (TK-FL)
- 1040 CKST BC Vancouver – 10/3 0733 – Very poor, but steady, with WHO nulled as much as possible. ESPN. Their only affiliate. (JJR-WI)
- 1050 KLOH MN Pipestone – 9/27 0705 – Poor. 'Weatherolgy' forecast, “Blazin' Country KLOH”. Alone. (JJR-MI)
- 1050 WJOK WI Kaukauna – 9/26 2105 – Poor, with “Dickeyville Grotto.com”, LinkedLiving . . . area code 920. Alone. (JJR-MI)



- 1070 KNX CA Los Angeles – 9/27 0636 – pieced together: “Fair! Beach Blvd, Water Magula(?), . . . 405 . . . CHP officer in accident . . . Orange 22 West . . . East LA interchange, 10, 60, 101. Next report at 4:45. Rain, partly cloudy . . . 70s today. KNX 1070 NewsRadio”. Traffic sounded horrendous for 4:45 AM! No WTSO. Dominating! (JJR-MI)
- 1090 KEXS MO Excelsior Springs – 10/3 2200 – Fair, but over KAAV, with EWTN feed. Daytimer on late. Only EWTN affiliate on 1190. (JJR-WI)
- 1210 WJNL MI Kingsley – 9/26 2055 – Poor, but no WPHT. “US 31 North, in Traverse City”. Detroit Red Wings broadcast from (nearby) Calumet. Calumet, MI is the birthplace of hockey. (JJR-MI)
- 1220 WLPO IL LaSalle – 10/2 0724 – Poor, with weather: “75 now, 52 tonight”. Time check & calls. Alone. (JJR-WI)
- 1240 WSBC IL Chicago – 9/29 0730 – Poor, with “AM 1240 WSBC Chicago” as I tuned to the frequency! In a mess! (JJR-MI)
- 1240 WHFA WI Poynette – 9/25 0710 – Very poor, with Bible readings on Relevant Radio feed, then lost. Only affiliate on the frequency. (JJR-MI)
- 1260 KSGF MO Springfield – 10/1 0746 – Poor, though not clear, with warbly sounding “KSGF” through a few others. (JJR-WI)
- 1260 WCCR OH Cleveland – 9/29 0700 – Poor, with LID. “1260 the Rock” slogan. Catholic chatter, lost to WNDE. (JJR-MI)
- 1260 KWYR SD Winner – 9/28 0731 – Poor, with “Real Country for South Dakota and Northern Nebraska, Country 1260 “. Weather with a high of 63. Alone. (JJR-MI)
- 1270 WWVI MN Baxter – 9/27 0733 – Poor --- “. . . from the 3-W-I weather center . . .”. 1270 is a crap-shoot here. (JJR-MI)
- 1300 WRDZ IL La Grange – 9/29 0700 – Poor--- LID for network of stations. Lost to WOOD and KGLO. (JJR-MI)
- 1300 WCKI SC Greer – 9/26 0635 – Local break with “Greenville, South Carolina”, spot for private school, back to EWTN programming. (TK-FL)
- 1350 KMAN KS Manhattan – 9/18 0732 – Local and state news; ads; ID as “News Radio KMAN”. Fair peaks, but fadey. (JW-CO)
- 1350 WZGM NC Black Mountain – 10/2 0704 – “WZGM... from the... Asheville weather center...” and into business talk show. Some WNDB co-channel. (TK-FL)
- 1360 WMOB AL Mobile – 10/4 0645 – Poor, though no WTAQ. Joyce Meyer, Adrian Rogers 30 minutess later. LID @ :00. (JJR-WI)
- 1360 KSCJ IA Sioux City – 10/4 0700 – Poor, with LID for ‘1360 & 94.9’ translator. With WMOB; no WTAQ at all. (JJR-WI)
- 1380 KQKD SD Redfield – 9/29 0725 – Poor – ‘Take on Me’ by A-Ha (1985), clear “KQKD” and lost. Rare! (JJR-MI)
- 1430 WION MI Ionia – 9/22 0739 – Poor, with Barry Manilow song, “WION-get the app” promo into Billy Joel. (JJR-WI)
- 1450 WNBY MI Newberry – 9/25 0800 – Poor, with C&W music into LID and ABC News with several others. Not common, despite closeness. I hear KZJJ-ND more often than this! (JJR-MI)
- 1450 WHRY WI Hurley – 9/25 0808 – Poor, with “I’m ???, WUPY-WHRY News”, phone patch cut through mess; with several others. (JJR-MI) [So, in addition to being heard on W275CR Hurley, WHRY’s Oldies format is also heard on WUPY 101.1 Ontonagon, Michigan and WVVE 95.3 Grand Marais, Minnesota! -Ed.]
- 1450 WDLB WI Marshfield – 10/1 0744 – Poor, but out of nowhere, “WDLB Newstime” and gone! Nice hearing! (JJR-WI)
- 1460 WKAM IN Goshen – 10/4 0735 – Poor, with KXNO. Chatter, ads mentioning South Bend. Semi-local WJTI off all week (+), though their 97.9 translator is on. (JJR-WI)
- 1460 KDWA MN Hastings – 9/29 0822 – Poor, with no sign of KXNO. “Tri-County Sports on KDWA”. ‘KDWA.com’. (JJR-MI)
- 1460 WBOG WI Tomah – 9/27 0757 – Poor, no KXNO. 60s/70s OLDies. “Kool Gold 101.3 and AM 1460”. (JJR-MI)
- 1480 KQAM KS Wichita – 9/23 0017 – Poor signals, but clear ID as “1480 and 102.5 FM, The Big Talker”. NEW! (JJR-WI)
- 1480 WGVU MI Kentwood – 9/23 0004 – Heard with oldies and full ID as “WGVU and WGVS Real Oldies”. (SMA-MB) [That’s not a ‘full ID’, per se. According to the FCC: “Official station identification includes the station’s call letters, followed by the community specified in its license as the station’s location. Between the call letters and its community, the station may insert the name of the licensee, the station’s . . .

frequency. It may also include any additional community or communities, as long as it first names the community to which it is licensed by the FCC." Canadian regulations are much "looser" – Ed.]

- 1480 WLMV WI Madison – 9/23 0030 – Fading in and out of the DX test, but finally caught an ID as "La Movida" and Spanish talk and music. (SMA-MB)
- 1490 WLFN WI LaCrosse – 9/22 2049 – Poor, in fade up, with "... on Today's Talk 1490, in La Crosse ..." & lost! (JJR-WI)
- 1510 KCKK CO Littleton – 9/22 0728 – Poor. "It Never Rains in Southern California" by Albert Hammond. "93-7 the Rock", in until WRRD's sign-on. (JJR-WI)
- 1530 KGBT TX Harlingen – 9/26 1847 – Spanish sports talk, "Tu DN" network slogan, Spanish ads. (TK-FL)
- 1540 KZMP TX University Park – 9/19 0801 – Ranchera music; four chimes and legal ID at 0803: "KZZA 106.7 Muenster-Dallas-Fort Worth, KZMP 1540 AM University Park-Dallas," followed by this sung slogan: "La Ranchera me gusta mas"; more music followed, along with phone chats. New format and slogan, ex-ESPD sports. Fair/good signal. (JW-CO)
- 1560 KLNG IA Council Bluffs – 10/3 1959 – Top-of -the-hour ID after Religious programming. ID included K268DI 101.5 FM. Another new one on 1560 with KKDA off the air. (SMA-MB) [You must have caught them cheating either on their day 10 kW day, or 2.1 kW CH power levels ... or their computer wasn't programmed for the 1930 ELT October shut-down time. Good catch – Ed.]
- 1560 WKDO KY Liberty – 9/26 0724 – Faded up in a jumble, with lady reading the news then IDing as "... the WKDO Newsroom, I am ...?". This was a big surprise but a good one. NEW! (SMA-MB)
- 1560 WSLA LA Slidell – 10/1 1637 – 'Dr. Daliah Show' with quack medical advice, break with a local spot. Parallel station stream. D1 station. (TK-FL)
- 1560 WTOU MI Portage – 9/26 0720 – Faded up in a jumble, with 'Michigan Lotteries' ad and then into R&B music. "The Touch" slogan. NEW! (SMA-MB)
- 1560 WFME NY New York – 9/25 2040 – Weak signals, fighting with WGLB, with 'Family Radio' religious talk // their web feed. NEW! (SMA-MB)
- 1560 WCNW OH Fairfield – 10/4 0732 – Very poor, with woman: "AM 1560 WCNW Fairfield-Cincinnati" into REL. Semi-local WGLB running the popular open carrier program, hi. (JJR-WI)
- 1560 KGOW TX Bellaire – 9/25 0740 – Fair, signals fading up and down, with Vietnamese talk that was // their web feed. No sign of KKAA, which is supposed to be off air leaving this frequency much more DX-able. NEW! (SMA-MB) [According to an STA filed on October 3, KGOW west silent on October 3 due to the recent storms in the Houston area and subsequent flooding at their transmitter site. So you are fortunate to have logged them when you did – Ed.]
- 1560 WGLB WI Elm Grove – 9/25 1940 – Fair-to-good signals, with Gospel music. Rare here ... they are booming in here dominating the frequency. Gone from 'rare' to 'pest' in a day ... LOL. For 250 Watts they come in strong or someone forgot to cut the power. They do ID as "WGLB 1560 and 96.1". The slogan seems to be "Incredible Gospel Music". 1560: My new favourite frequency with four new ones in two days. (SMA-MB) [Both WGLB's day pattern (2.5 kW) and their night pattern (250 Watts), throw approximately 1 kW ERP right at you in Winterpeg – ED.]
- 1570 WSCO WI Appleton – 9/25 0602 – Poor, with LID after a few national ads I was not paying attention to. (JJR-MI)
- 1590 WPVL WI Platteville – 10/1 0738 – Poor, with ESPN fare over a few others. Not in much here. Assumed. (JJR-WI)
- 1630 KRND WY Fox Farm – 9/26 0648 – Presumed the one, with Mexi-tunes, male: "La Jota ..." slogan (should be 'La Jota Mexicana'). Overtaken by KCJJ, but back for about a minute just after top of hour. (TK-FL)
- 1660 KWOD KS Kansas City – 9/26 1925 – CBS Sports Radio feed, presumed the one based on being the only CBSSR affiliate on the channel. Presumed KRZI, WCNZ and an unidentified Fox Sports Radio co-channel. (TK-FL)
- 1660 KRZI TX Waco – 9/27 1906 – MLB wildcard talk, several ESPN promos. Co-channel unidentified Fox Sports Radio (three possibilities), and WCNZ Marco Island Catholic stuff. Presumed the one, the only ESPN affiliate on the channel. (TK-FL)



International DX Digest

Bruce Conti, 46 Ridgfield 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

- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche SEP 29 0459 – Poor; choral marching band national anthem. [Conti-NH]
- 864 **EGYPT** *ERTU Santah* SEP 28 2250 – Good; Koran. [Conti-NH]
- 1152 **ROMANIA** *R.România Actualitati*, Cluj OCT 5 0159 – Fair; choral national anthem parallel 1179 kHz. [Conti-NH]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros SEP 28 2230 – Fair; "Through the Decades on Absolute Radio" with "half past 11" time check into "Spirit in the Sky" by Norman Greenbaum, at 2300 ad string including Harlem Globetrotters Pushing the Limits tour coming to venues across the nation in February and March. [Conti-NH]
- 1305 **SPAIN** *RNE5* synchros SEP 28 2245 – Fair; talk parallel 684, 747, and 855 kHz. [Conti-NH]
- 1521 **SAUDI ARABIA** *SBC R.Riyadh*, Duba OCT 5 2230 – Loud het against 1520 WWKB; carrier off 2231 UTC. OCT 6 2215 – Good; talk hosted by a woman, parallel 9555 and 9870 kHz. [Conti-NH]
- 1539 **GREECE** *Voreios Ihos (North Sound)*, Thessaloniki OCT 5 2220 – Greek music, including "Evga Sto Katofli" by Dimitris Mitropanos, continued through the hour bottom without announcements before fading out. Thank you Franck Baste, Graham Bell, Chris Kadlec, and Mauno Ritola for feedback in the RealDX group. OCT 6 2218 – Poor to fair; Greek music. [Conti-NH]
- 1548 **KUWAIT** *R.Sawa*, Kuwait City OCT 5 2240 – Good; talk program parallel delayed webstream. [Conti-NH]

PAN-AMERICAN DX

- 810 **HONDURAS** *HRVC La Voz Evangelica*, La Ceiba SEP 29 1115 – This one suddenly popped up loud atop XERI, seemingly signing on (a local Sunday morning, caveat). Alternating man and young woman with news exclusively on Nicaragua, Guatemala, and Honduras with frequent slogan ID's between items. Faded and lost by 1140 UTC. This one was once a strong signal on 4820 kHz in the day. One of several listed frequencies across Honduras with 1390 kHz being the primary, this one listed as 6 kW in the WRTH. [Krueger-FL]
- 810 **MEXICO** *XERI R.Rey*, Reynosa, Tamps. SEP 29 1105 – First heard as unidentified the previous day, with highly truncated small orchestral anthem starting at 1105 (nothing Mexican heard while on channel until then). Same time for the anthem up today, immediately into "Sala" by Playa Limbo, then male canned "Radio Rey, 810 AM..." then more non Mexi-tunes (Spanish pop instead) vocals. Supposedly 24h, but the IRCA Mexi Log 22nd Edition matches the apparent 6:05 a.m. local time sign-on, down to the orchestral anthem on the notes. [Krueger-FL]
- 860 **MEXICO** *XEUN Radio UNAM*, México, DF SEP 28 1121 – Peaking near local level 1128-1145, with piano concierto solo nonstop until fade close to 1200 UTC. Another one that used to be a regular on shortwave, 9600 kHz. [Krueger-FL]
- 970 **MEXICO** *XERFR Grupo Fórmula 970*, México, DF OCT 1 1058 – Choral anthem from 1058, faded, then back strong with alternating man and woman telco audio quality news, 1128 "XERFR, 970 AM... Estamos... Colonia del Valle... 50 mil wats de potencia... Grupo Fórmula..." then back to news. [Krueger-FL]
- 1000 **MEXICO** *XEFV Cd. Juárez*, Chih. OCT 2 0611 – Mexican music with slow SAH against KTOK nulled, 0614 "La Rancherita" ID over music. IRCA log says: License expired but AM is still active 7/19. The SAH is about the same as I get from KKIM Albuquerque but no sign of it now, and there was no sign of XEFV when I last heard KKIM. So I wonder if XEFV be erratic? Although 24h, IRCA leaves blank its night power. [Hauser-OK]
- 1510 **ECUADOR** *HCIO2 R.Naval*, Guayaquil SEP 28 0458 – Clear time signal heard through 1500 WFED and 1520 WWKB splatter with co-channel WLAC and WRNJ subdued by geomagnetic disturbance. [Conti-NH]



TRANS-PACIFIC DX

- 702 unID SEP 29 0900 – Weak signal observed during breaks in 700 WLW interference; offset measured at 701.999 kHz indicating 6KP Australia or *Magic* New Zealand. Weak signals also observed at 756 and 864 kHz. [Conti-NH]
- 1512 **AUSTRALIA** 2RN Newcastle SEP 29 1000 – Weak signal barely above noise floor, amid heavy interference from 1520 WWKB; presumed based on offset measured at 1512.002 kHz. [Conti-NH]

Transpacific carrier search: SEP 23 1213-1223 – On the DX-398, spanning LSR of 1220 UTC, from northwest 594, 657, 693, 747, 774, 828, 837, 972, 1566 kHz, and from west/southwest 567, 702, 882, 1035 kHz. SEP 24 1214-1225 – Around local sunrise, from northwest 594, 666, 693, 747, 774, 828, 972, 1566 kHz, from west/southwest 702, 882, 1503 kHz, and from west 1098 kHz. OCT 2 1224-1228 – Around local sunrise with K-index of 2, nothing looping northwest from East Asia, Japan/Korea, but from west/southwest Australia/New Zealand, u.o.s., 612, 702, 882, 1548 kHz, and from west 1098 kHz. [Hauser-OK]

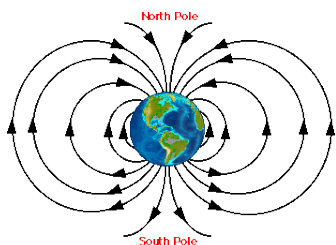
CONTRIBUTORS

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, 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, Niceville FL; IC-R75, NRD-535, ICF-7600GR, active loop.

73 and Good DX!



Geomagnetic Indices

Geomagnetic Summary September 2019

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

<ftp://ftp.swpc.noaa.gov/pub/forecasts/www/>

Date	Flux	A	K	Space Weather	Date	Flux	A	K	Space Weather
9/ 1	67	45	5	moderate, G2	9/16	69	11	2	no storms
2	69	21	3	minor, G1	17	68	9	4	no storms
3	69	10	2	no storms	18	66	9	2	no storms
4	69	12	2	no storms	19	67	4	1	no storms
5	68	14	2	no storms	20	67	3	1	no storms
6	69	8	1	no storms	21	68	7	1	no storms
7	74	7	2	no storms	22	68	4	1	no storms
8	68	10	3	no storms	23	66	3	1	no storms
9	69	14	3	no storms	24	67	13	1	no storms
10	70	4	0	no storms	25	68	4	1	no storms
11	68	5	1	no storms	26	67	4	1	no storms
12	69	7	1	no storms	27	66	21	5	minor, G1
13	68	8	1	no storms	28	67	27	4	minor, G1
14	69	6	3	no storms	29	67	13	4	no storms
15	68	8	3	no storms	9/30	68	14	2	no storms

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

Unreported Domestic Stations

One station – WUKZ-1010 – was reported to DDXD this issue for the first time since at least Volume 67 (1999-2000). And another 1010 unreported station, KDLA-1010, has gone permanently silent, so can't be a target for us DXers any more. WCKW-LA is now the only unreported station left on 1010. Overall, we are now down to 338 full-service (100 watts and up) AM stations in the United States and Canada that have not been reported to DDXD during this time. The last full list was printed in Volume 86 Issue 19. Can you report one next time?

GRAVEYARD DX ACHIEVEMENTS

Tim Hall, 1244 Crystal Springs Dr., Chula Vista CA 91915-2123

TimHall1@gmail.com

Total Stations Heard
Updated as of September 21, 2019

<u>DXer</u>	<u>DX Location</u>	<u>1230</u>	<u>1240</u>	<u>1340</u>	<u>1400</u>	<u>1450</u>	<u>1490</u>	<u>Total</u>
Norm Maguire (SK) - East Hartford, CT/ Albuquerque, NM	146	169	174	168	192	157	1006	
Stan Morss (SK) - Boxford, MA		84	114	101	102	108	98	607
Charles Reh - Leamington, ON		65	78	91	70	80	86	470
Carl Dabelstein - Various Locations		66	76	76	64	81	50	413
Gary Siegel - Toledo, OH		50	64	82	66	69	58	389
Hank Holbrook (SK) - Chevy Chase, MD		31	66	83	54	73	62	369
Barry McLarnon - Ottawa, ON		57	62	57	62	64	65	367
Frank Wheeler (SK) - Erie, PA		58	81	63	62	65	32	361
Neil Wolfish - Various Locations		54	52	51	67	66	69	359
Steve Francis - Alcoa, TN		54	49	44	53	65	74	339
John Wilkins - Various Locations		55	54	50	61	53	59	332
Jeff Falconer - Clinton, ON		53	45	57	60	58	54	327
Russ Edmunds - Northern NJ/Southeastern PA		42	50	52	54	54	64	316
Shawn Axelrod - Various Locations, MB		54	37	57	59	60	48	315
Ron Schiller (SK) - Various Locations, NJ		43	44	57	31	49	66	290
Ernie Wesolowski - Omaha, NE		41	49	46	45	52	19	252
Phil Bytheway - Seattle, WA		37	38	48	42	44	34	243
Joe Kureth (SK) - Uniontown, MD		35	36	40	43	37	43	234
Paul Thomas - (mostly) Proctorville, OH		23	37	37	36	53	41	227
Karl Forth - Chicago, IL		33	35	31	48	51	24	222
Tim Hall - US 6/50 at NV/UT Border, UT		37	34	33	42	33	38	217
Dave Whatmough - Hamilton, ON		33	27	39	31	39	41	210
Don Trelford (SK) - Toronto, ON (pre-1960)		39	22	37	34	38	33	203
Andy Rugg (SK) - Montreal, QC		30	31	32	24	25	34	176
Karl Jeter - Suburban Atlanta, GA		20	31	20	29	29	41	170
Tim Noonan - Various Locations		22	19	22	28	38	31	160
Kraig Krist - Various Locations		26	27	26	23	26	22	150
Wayne Heinen - Aurora, CO		23	22	11	30	30	31	147
Rick Dau - Iowa City, IA		22	19	24	29	24	26	144
Ron Musco - Hartford, CT		21	25	21	25	27	24	143
Craig Barnes - Wheat Ridge, CO		21	15	29	25	26	22	138
Tim Hall - San Diego/Chula Vista, CA		24	15	27	27	22	18	133
Dave Fox - Reading, PA		15	24	16	23	24	27	129
Frank Merrill - Various Locations		16	18	17	20	26	26	123
Gary Atkins (SK) - Louisville, KY		21	8	29	21	18	26	123
George Santulli - Cranford, NJ		20	15	33	11	19	17	115
Dave Schmidt - New Castle, DE		17	24	21	16	12	23	113
Dave Braun - Various Locations		18	24	14	20	14	22	112
Marc DeLorenzo - Hyannis, MA		20	19	13	16	23	20	111
Rick Dau - South Omaha, NE		21	17	14	17	26	13	108
Harry Hayes - Gouldsboro, PA		15	21	17	13	21	19	106
John Malicky - Pittsburgh, PA		7	15	16	14	24	27	103
Forest Osborn - Hooker, OK		14	15	14	21	14	11	89
Nancy Johnson - Aberdeen, WA		16	20	13	11	13	14	87
Bill Hale - WI, IL, ID, FL, TX, NY, CA, NM		15	14	12	11	13	15	80
Joe Kureth (SK) - Southern Pines, NC		13	12	13	13	17	12	80
Mike Hardester - Various Locations		13	10	11	10	13	13	70
Fred Nordquist - Clay, NY		13	15	6	9	15	11	69
Wayne Heinen - Colorado Springs, CO		8	5	21	17	4	8	63
Don Trelford (SK) - Scarborough, ON		7	10	8	9	17	9	60
Larry Van Horn - Brasstown, NC		12	9	11	8	10	10	60

Tim Hall - West Glacier, MT	13	7	6	9	14	10	59
Pete Taylor - Worldwide	12	8	8	19	6	5	58
Tim Hall - Teasdale, UT	10	10	8	10	8	11	57
Tim Hall - Tombstone, AZ	12	10	9	10	7	9	57
Tim Hall - Yellowstone Lake Village, WY	11	9	9	9	9	9	56
Tim Hall - Mammoth Lakes, CA	12	10	9	8	7	9	55
Morris Sorensen (SK) - Winnipeg, MB	4	6	8	10	14	8	50
Wayne Heinen - Orchard Park, NY	14	10	8	2	8	5	47
Russ Edmunds - Syracuse, NY	12	8	7	5	6	8	46
Tim Hall - Jasper, AB	10	7	8	7	8	5	45
Dave Yocis - South Nyack, NY	1	6	11	5	11	10	44
Tim Hall - Ajo, AZ	9	8	9	6	6	6	44
Ron Schiller (SK) - Couer d'Alene, ID	5	6	13	4	4	11	43
Morris Sorensen (SK) - Scarborough, ON	2	12	3	10	6	9	42
Paul Mount - Teaneck, NJ	5	8	8	8	8	5	42
Denis Picard - Trois-Rivières-Ouest, QC	7	11	6	6	5	6	41
Tim Hall - Benton Hot Springs, CA	6	5	9	9	6	6	41
Tim Hall - Bandon, OR	7	4	6	9	5	9	40
Tim Hall - Monterey/Carmel, CA	10	6	8	5	6	4	39
Don Trelford (SK) - Runaway Bay, Jamaica	4	6	6	5	10	7	38
Tim Hall - Bovina, NY	5	8	6	5	7	7	38
Tim Hall - Chester, CA	5	8	6	5	7	7	38
Tim Hall - The Sea Ranch, CA	11	6	6	3	6	6	38
Stephen Ponder - Bossier City, LA	6	5	6	6	7	7	37
Tim Hall - Crater Lake Rim Village, OR	10	7	4	6	5	5	37
Rick Dau - Davenport, IA	1	7	8	9	12	9	46
Tim Hall - Flagstaff, AZ	10	6	4	6	4	5	35
Tim Hall - Fort Davis, TX	3	7	5	2	8	8	33
Tim Hall - Lone Pine, CA	8	7	4	5	4	5	33
Tim Hall - Ouray, CO	5	5	5	7	4	7	33
Tim Hall - Radium Hot Springs, BC	7	4	7	6	4	5	33
Tim Hall - Chisos Mountain Lodge, TX	5	5	6	3	6	7	32
Tim Hall - Crescent City, CA	4	1	6	9	6	6	32
Morris Sorensen (SK) - Leaf Rapids & God's Narrows, MB	5	6	5	7	4	4	31
Neil Kazaross - Barrington, IL	9	6	3	4	4	5	31
Tim Hall - Moab, UT	5	4	5	6	5	6	31
Tim Hall - Burney, CA	4	5	4	6	6	5	30
Tim Hall - Houston, TX	1	2	8	5	6	8	30
Tim Hall - Lakeville, PA	6	5	4	4	5	6	30
Tim Hall - Springdale, UT	8	5	5	4	4	4	30
Tim Hall - Yellowstone Grant Village, WY	5	5	5	3	5	7	30
Morris Sorensen (SK) - Milton, ON	5	3	3	7	3	7	28
Morris Sorensen (SK) - Port Carling, ON	2	5	5	6	4	6	28
Russ Edmunds - Jonesport, ME	4	5	1	6	5	5	26
Paul Mount - Nelsonville, OH	4	4	2	3	3	5	21
Paul Swearingen (SK) - Moran, KS	5	3	2	2	2	5	19
Morris Sorensen (SK) - Kemptville, ON	2	4	2	2	5	3	18
David B. Jones (SK) - Springfield, TN	3	5	3	2	2	2	17
John Tudenham - Joplin, MO	7	2	2	4	1	1	17
Morris Sorensen (SK) - Amaranth, MB	3	5	3	1	1	2	15
Pete Taylor - Tacoma, WA	2	1	1	4	3	4	15
Bruce Conti - Nashua, NH	3	0	6	1	3	1	14
Doug Smith - Madison, WI	2	1	3	2	2	0	10
Perry Crabill (SK) - Winchester, VA	2	2	1	1	2	2	10
Neil Kazaross - Grafton, WI	1	0	0	1	1	2	5
Ron Schiller (SK) - St. George, UT	2	0	1	0	0	1	4
Neil Kazaross - Pawtucket, RI	0	1	2	0	0	0	3
Neil Kazaross - Poipu Beach, HI	1	1	0	0	0	0	2
John J. Rieger - L'Anse, MI	0	0	0	0	1	0	1
Neil Kazaross - Narragansett, RI	0	1	0	0	0	0	1
Neil Kazaross - Ogunquit, ME	0	0	1	0	0	0	1
Neil Kazaross - Poway, CA	0	0	0	0	1	0	1

Neil Kazaross - Schenectady, NY	0	0	0	0	0	1	17
Steve Kamp - San Jose, CA	0	0	0	1	0	0	1

This year's Border Inn DXpedition is rapidly approaching. Curious how much of a pest new KZEZ-1490 will be. 73 Tim

FCC Silent Station List

As of October 7, 2019 – Often less than fully accurate

84 stations listed as silent

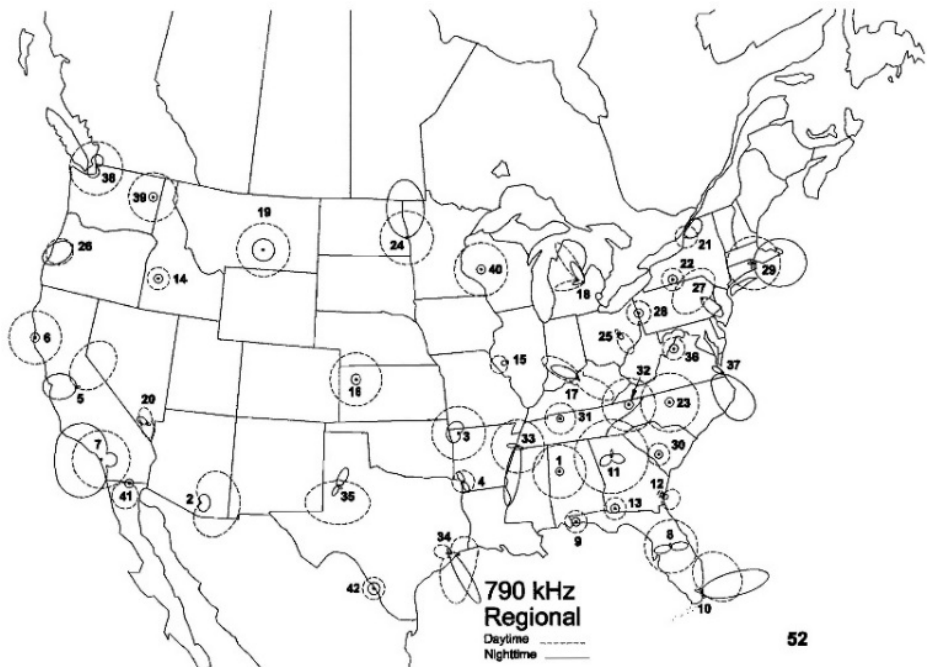
560 KVOK-AK	KOBB-MT	KQV-PA	1520 WTHE-NY
620 KWAL-ID	WODI-VA	1440 KHLY-ID	1530 WCKG-IL
710 WFNR-VA	1240 WPTR-NY	1450 WZGX-AL	WJDM-NJ
780 KCEG-CO	KRAL-WY	WCOX-AL	1540 WJZI-IN
840 WCEO-SC	1250 WYTH-GA	WLAY-AL	WYCL-OH
880 WAMI-AL	1270 WHGS-SC	KFSD-CA	WNWR-PA
890 KJME-CO	1280 KXEG-AZ	KSKE-CO	WBIN-TN
910 KMPS-CA	1290 WRPA-RI	WROX-MS	1550 WKTF-GA
1000 WJBW-FL	1300 WFFG-FL	WMVA-VA	KMAD-OK
1030 WEBS-GA	KHTW-TX	1460 WBMS-MA	KNSH-TX
1080 KCNM-MP	1310 KEIN-MT	WXRQ-TN	1560 KCAA-SD
1090 KBOZ-MT	1350 WNLK-CT	1480 WKGC-FL	KNDF-TX
KEMR-NM	WCBA-NY	WYZE-GA	1570 KPRO-CA
1120 WXJO-GA	KCOX-TX	WRCK-NY	1580 WGYM-NJ
1170 WQHC-AL	1360 KELE-MO	1490 WTKE-FL	WDAB-SC
WFPB-MA	1390 WEGP-ME	KPCQ-ID	KTLU-TX
1180 WLTT-NC	1400 KWNA-NV	1500 WKIZ-FL	1590 WVNA-AL
1220 WQUN-CT	KEBE-TX	WQMS-MS	KLIV-CA
1230 KLXR-CA	KSRR-UT	1510 WQQW-IL	WTPA-FL
WMAF-FL	WIDA-PR	WMEX-MA	1630 WRDW-GA
WEZO-GA	1410 WIHM-IL	WBSG-PR	1690 WMLB-GA

NRC Antenna Pattern Book 8th Edition

The 8th Edition of the NRC *AM Station Antenna Pattern Book* is now available. This all-new edition was prepared by Bill Hale and accompanies the 2018 (39th Edition) of the National Radio Club's *AM Radio Log*. The book comes shrink wrapped in 8½ by 11 three hole punch format for placement in your own three ring binder. The book has maps covering 530 through 1700 kHz showing day and night patterns for U.S., Canadian, and selected Mexican and Caribbean stations.

The book is available from the National Radio Club at PO Box 473251, Aurora CO 80047-3251 and Priority Mail to addresses in the United States for \$28.95 for members and \$35.95 for nonmembers. Canadian orders are US\$41.15 and all other countries are US\$52.65, both shipped Global Priority Mail.

The Pattern book may also be ordered using pay pal from our website <http://www.nrcdxas.org> at slightly higher prices.



DX News Submission Guidelines

Most NRC members contribute to *DX News* by contributing to one or more of our columns. Each column has a volunteer editor who compiles information sent in by club members or found through research or personal knowledge.

Station loggings and tips should be sent to Domestic DX Digest (for stations in the United States and Canada) or International DX Digest (for all other stations). DDXD in turn is divided into East and West columns, with the line between the Eastern and Central Time Zones as the boundary. By longstanding custom, DDXD uses Eastern Local Time (meaning EST or EDT, depending on the season) and IDXD uses Universal Time (UTC). These columns run in every issue of *DX News*.

By and large, loggings should be current (usually not more than one month old) and should give some details of the logging. The goal is to provide a tip that fellow DXers would find helpful in hearing the station themselves. Loggings should be of unusual or rare stations for you. For DDXD, loggings of 50 kW “clear channel” stations within 600 miles or so, or stations you hear on a regular basis, should not be submitted. The rule of thumb is to report a domestic station not more than once a year. However, station news such as changes in format, call sign, patterns of reception, etc., can justify exceptions to these rules of thumb.

Your editors will very much appreciate it if you submit your loggings in the format you see here in print in *DX News*. For example, dates should be “4/14” in DDXD and “APR 14” in IDXD. The more time editors spend changing each of your loggings that say “4-14” or “04/14,” the less time they have to focus on the content of the column (and the more irate they’ll be when they see your next submission). Please try to keep abbreviations to a minimum; many *DX News* readers are not native English speakers. Ham abbreviations (other than QRM for man-made interference, e.g. other stations, and QRN for naturally occurring interference, e.g. static, which seem to be common usage among MW DXers) should not be used – your publisher is particularly not fond of “OM” and “YL,” not to mention “XYL,” which strike him as a bit dated and sexist for use in print these days.

Stations that still “verify” receptions with written or electronic responses to DXer reports are reported to Confirmed DXer (published every two months).

The next major group of columns are station news columns. AM Switch is a weekly column that includes official station changes from the U.S. and Canadian licensing authorities and format, slogan, network, and relay station information to update your *NRC AM Log*. This column was edited for many years by Jerry Starr and then by Bill Hale, but hasn’t had a formal “editor” since September 2012 – the publisher combines information researched by several different members. Members with information to contribute can send it to the publisher directly, or to Wayne Heinen, the *NRC AM Log* editor. Stations carrying professional and college sports networks are updated each year in Pro Sports Networks and College Sports Networks. Other network lists are published from time to time. If you run across a list (or even a URL to an online network list), please send it to the publisher.

Fifty years ago, most of *DX News* was devoted to Musings of the Members, edited for many years by the late Ernie Cooper, with narratives from each member about recent loggings and other activities. Today, Musings is rarely used to report loggings, but we still encourage members to write in about their DX activities and comment on the hobby and the club. Active debate and discussion is good, but please keep it DX-related. Virtually every political and personal viewpoint can be found in the NRC, but we have many other places to debate those things. Here, we share the hobby of DXing, and even if we differ on other matters, we can be brought together by radio.

We also run a number of achievement columns. Graveyard DX Achievements has mileage records for the stations on the local or “graveyard” channels of 1230, 1240, 1340, 1400, 1450, and 1490 kHz. These are maintained online (at www.nrcdxas.org) and updated in *DX News*. Domestic DX Achievements and International DX Achievements report total stations heard and/or verified by members. The publisher maintains these totals and runs them in *DX News* as space is available.

Finally, DX Toolbox is a (more or less) monthly column with tips on DX strategies, web resources, and other miscellaneous topics. SDR loggings that are too old for DDXD or IDXD but are nonetheless of general interest can be reported here.

DX News also includes feature articles on DXpeditions, technical topics (receiver reviews, antenna design, propagation theory, etc.), radio history, station profiles, DXing techniques, and anything else that may be of interest to the MW DXer. Material for publication not falling into any of our columns should be sent directly to the publisher. In general, you should not try to make your submissions “camera-ready” for publication – use minimal formatting and we’ll take it from there.

If you’d like to contribute to a column, but aren’t sure how to do it, you can always contact the column editor first for suggestions. Or you can contact the publisher – preferably by e-mail at NRCDXNews@gmail.com, or by regular mail too. Participation and contribution by the members are always welcome ... we hope to see your DX news in *DX News* soon!

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National Radio Club
PO Box 473251
Aurora, CO 80047-3251
<amlog@nationalradioclub.org>

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