

DX News

Serving Medium Wave DXers since 1933

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From the Publisher: The electronic version of DDxD-West received here triggered all sorts of "File Corrupted!" warnings and most of it couldn't be accessed. We weren't able to get it resolved before press time, so you'll see here as much of the column as I was able to recover (which isn't much) and we'll run a double column next issue.

DXpeditions Galore: A number of DXpeditions are currently underway or have just been concluded; see some early reports herein. As Phil Bytheway notes in his column, this may be the lowest year for sunspot activity in a century, and low solar activity usually means good MW DX conditions! So this is the time to be listening for the really rare stuff.

Membership Report

"Thanks to all the volunteers that make DXN GREAT!" – Ray Arruda

"Thanks so much for all that you volunteers do." – Chuck Kaufman

"Thank you for all the hard work" – Jim Paige

New Members: Welcome to Franklin Smith, Milford, NH.

Renewing Members: Thanks for the ongoing support of Ray Arruda; David Cox; Harold B. Frodge; Russ Johnson; Charles H. Kaufman; Gary

Nuthals; James N. Paige; Jeffrey R. Seiler; Mike Shirer; and Niel Wolfish.

Volume 87 DXN Schedule

No	D'dline	Print	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

Space Weather Forecast

Via NOAA web page

Solar activity is expected to be at very low levels 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 reach high levels on 04, 21-30 Nov, with moderate levels on 05-11, 20 Nov, and normal levels on 12-19 Nov, in response to CH HSS influence.

Geomagnetic field activity is expected to reach G1 (Minor) storm levels on 21 Nov, with active levels on 06, 20, 22-24 Nov, due to recurrent CH HSS activity. Quiet to unsettled conditions are anticipated throughout the remainder of the outlook period.

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

- 930 WYUS DE **Milford** – Call change to WNCL (Nov. 1).
 1240 KSLV CO **Monte Vista** – Call change to KBGV (Nov. 4).
 1410 KZEY TX **Marshall** – Call change to KCUL (Oct. 22).
 1510 WFAI NJ **Salem** – Call change to WVJJ (Oct. 24).

STATIONS GOING DARK (OR NOT)

- 1480 WTOY VA **Salem** – Had been deleted, but has petitioned for reconsideration; owner of the station died on August 18, and station missed the June 1 deadline for filing a license renewal. Licensed expired Oct. 1 but FCC now lists as active.

NEW STATION WATCH

- 600 CKSP BC **Vancouver** – New station CP (U4 50000/20000) granted extension to 11/28/2020 to get new station on the air.
 1350 CIRF ON **Brampton** – New station CP (U1? 1000/1000) granted change of site and extension to 10/21/2020 to get new station on the air.

CONSTRUCTION PERMITS (CPS) FOR EXISTING STATIONS

CP built, awaiting final licensing:

- 1280 WIPC FL **Lake Wales** – Applies for license to cover CP for U1 1000/150.
 1460 WPON MI **Walled Lake** – Granted program test authority for CP with U4 670/580, new site 42-32-39/83-33-36.
 1470 WTTR MD **Westminster** – Applies for license to cover CP for U1 535/35.
 1510 WMEX MA **Quincy** – Applies for license to cover CP for U1 10000/100 (ch 2000), CoL ex-Boston MA, new site (duplexed with WBIX-1260) at 42-16-25/71-12-01.

Applications for CP filed:

- 1350 CKAD NS **Middleton** – Applies for CP with U1 1000/400.
 1590 WRSB NY **Brockport** – Applies for CP with U1 300/5 on 1600 kHz.

SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 780 KCEG CO **Fountain** – Granted STA, U1 475/180, drop wire at CP site.
 820 KCBF AK **Anchorage** – Granted STA, U1 10000/10000 from KFAR-660 site; has lost licensed tower site.
 890 KJME CO **Fountain** – Granted STA, U1 1000/11, drop wire at CP site.
 1150 WIMA OH **Lima** – Granted STA, night parameters at variance.
 1160 WCRT TN **Donelson** – Granted STA, U2 13000/1000, day transmitter being replaced.
 1260 WSDZ IL **Belleville** – Granted STA, night parameters at variance.
 1340 WMHZ AL **Holt** – Granted STA, U1 100/100, construction of a nearby tower.
 1420 KBTN MO **Neosho** – Granted STA, U1 100/100, lightning damage.
 1520 KXZZ LA **Lake Charles** – Granted STA, U2 250/250, power problems.
 1540 WJZI IN **Decatur** – Granted STA, D1 62.5, 151' LW at licensed site.

Applications for STAs received:

- 920 KARN AR **Little Rock** – Applies for STA, U1 1250/1250, can't switch patterns.
 1240 WJMC WI **Rice Lake** – Applies for STA, temporary antenna during tower replacement.
 1250 KFOG AR **Little Rock** – Applies for STA, U3 1200/1200, can't switch patterns.
 1380 KUVR NE **Holdredge** – Applies for STA, U1 25/25, temporary TIS-style antenna at 40-26-17/99-22-18; has lost licensed site.
 1500 KSJX CA **San Jose** – Applies for STA, U3 5000/5000, night pattern 24 hours.

1510 WMEX MA Quincy – Applies for STA to use completed CP facilities (as above); silent station needs to broadcast by Nov. 10 to maintain license.

Extensions granted to existing STAs:

560 WHYN MA Springfield – Granted STA extension, parameters at variance.
 790 WKRD KY Louisville – Granted STA extension, night parameters at variance.
 WMC TN Memphis – Granted STA extension, U1 5000/1250.
 950 WORL FL Orlando – Granted STA extension, U2 12000/10000, Cuba QRM.
 1080 WUFO NY Amherst – Granted STA extension, D1 1000 from WECK-1230 tower.
 1140 KXST NV North Las Vegas – Granted STA extension, parameters at variance.
 1160 WSSV NY Mechanicville – Granted STA ext., reduced day power (using U1 4000/570).
 1220 WERM AL Fairhope – Granted STA extension, D1 250 from WABF-1480 tower.
 WREV NC Reidsville – Granted STA extension, D1 500, shorter tower.
 1240 KOKL OK Okmulgee – Granted STA extension, reduced power (using U1 333/333).
 1350 WNTX VA Fredericksburg – Granted STA extension, U1 125/37.
 1360 WCHL NC Chapel Hill – Granted STA extension, night parameters at variance.
 1410 WDOV DE Dover – Granted STA extension, parameters at variance.
 1430 WNEL PR Caguas – Granted STA extension, U1 2300/2300 from partial tower.
 1450 WTKI AL Huntsville – Granted STA extension, U1 550/550, 169' LW at 34-43-43/86-36-01.
 1480 WNKW KY Neon – Granted STA extension, D1 1000, 61m longwire at 37-11-08/82-43-02.
 1490 WSVM NC Valdese – Granted STA extension, U1 500/500, 210' LW at 35-44-17/81-33-26.

Applications to extend existing STAs received:

600 WYEL PR Mayagüez – Applies to extend STA, U1 1250/1250.
 790 WAMM VA Mount Jackson – Applies to extend STA, U1 500/40.
 830 KGLA LA Norco – Applies to extend STA, U4 5000/250, day pattern at night.
 920 KKLS SD Rapid City – Applies to extend STA, parameters at variance.
 1010 KXEN MO St. Louis – Applies to extend STA, U5 50000/125, night LW at 38-38-09/90-11-45.
 1150 KSEN MT Shelby – Applies to extend STA, params. at variance and reduced night power.
 1230 WLNR NC Kinston – Applies to extend STA, reduced power (using U1 5/5).
 1300 WKQK FL Cocoa Beach – Applies to extend STA, U4 5000/250, day pattern at night.
 1330 WHGM MD Havre de Grace – Applies to extend STA, U1 10/10, whip at 39-33-02/76-05-30.
 1370 KFRO TX Longview – Applies to extend STA, U1 1000/108.
 1400 WLLH MA Lowell – Applies to extend STA, broadcast from Lawrence site only.
 1430 WLTX FL Panama City – Applies to extend STA, U1 1250/1250.
 1480 KNTB WA Lakewood – Applies to extend STA, U1 250/65, 26m LW at 47-09-52/122-30-19.
 1580 WNYG NY Patchogue – Applies to extend STA, U1 10000/125.
 1590 WRSB NY Brockport – Applies to extend STA, parameters at variance.

SILENT STATIONS

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

840 WCEO SC Columbia – Silent Nov. 9 (2018); has been on the air since May 19.
 1240 WPTR NY Schenectady – Silent May 7; on the air Oct. 16.
 1360 KELE MO Mountain Grove – Silent Oct. 31 (2018), on the air Oct. 24.
 1480 WYZE GA Atlanta – Silent Nov. 18 (2018), on the air with STA Oct. 14.
 1510 WBSG PR Lajas – Silent Sept. 20 (2017); on the air with STA (D1 250) Sept. 20.
 1550 KMAD OK Madill – Silent June 10; on the air Oct. 23.

Stations informing the FCC that they are silent:

1100 WCGA GA Woodbine – Silent Sept. 12; damage from recent storms.
 1120 WBBF NY Buffalo – Silent Oct. 22; damage from recent storms.
 1280 WDSP FL De Funiak Springs – Silent Oct. 23; pending sale.
 1350 KUSG GU Agaña – Silent Oct. 18; legal problems with transmitter site.
 1400 WFPA AL Fort Payne – Silent Oct. 26; lost tower in storm.
 1410 WHBT FL Tallahassee – Silent Sept. 27; has lost licensed transmitter site.
 1530 KVOG GU Agaña – Silent Oct. 18; legal problems with transmitter site.

COORDINATE CORRECTION

1430 WRDN WI Durand – Applies for CP to correct coordinates to 44-34-53/91-54-45.



NRC AM Log Updates

580	KIDO	ID	Nampa – Networks to Fox/P/DRCMP//C2C. (WH)
630	KJNO	AK	Juneau – Deletes // K257CN-99.3.
810	WSYW	IN	Indianapolis – Format to SS:AC (ex-SS:MEX); slogan to "Exitos 94.3," adds // WSYR-FM-106.9.
820	WWFD	MD	Frederick – Slogan & Group to Grp= The Gamut.
860	KNAI	AZ	Phoenix – Slogan & Group to Grp= La Campesina.
920	WGNU	MO	Saint Louis – Format to UC:GOS/TLK (ex-BIZ/UC:GOS(wknds)). (EB)
970	WNNR	FL	Jacksonville – Format to SS:Tropical (ex-SS:MEX); delete slogan; Group to Grp= Latina.
1010	KXEN	MO	Saint Louis – Format to TLK (ex-REL); slogan to "Freedom 1010," networks to USA/SRN. (EB)
1060	KTNS	CA	Oakhurst – Slogan & Group to Grp= Radio Lazer.
	WLNO	LA	New Orleans – Slogan to "The Original One of a Kind," "Gospel 1060."
1180	KGOL	TX	Humble – Format to SS (ex-SS:SPT); drops nets, delete slogan. (JW)
1230	WCRO	PA	Johnstown – Adds // W275CV-102.9. (FCC)
1240	KCRT	CO	Trinidad – Slogan to "My 99.3." (WH)
1280	KYRO	MO	Troy – Format to CLR (ex-NWS/TLK); delete slogan, networks; add // K287CM-105.3. (EB)
1310	KIQQ	CA	Barstow – Slogan & Group to Grp= Radio Lazer.
1320	KNIT	UT	Salt Lake City – Slogan to "Your Network of Praise." (JW)
1340	WCDT	TN	Winchester – Slogan to "The Voice of Franklin County."
1420	WOC	IA	Davenport – Slogan to "News Talk 1420." (WH)
	KGIM	SD	Aberdeen – Networks to FSR. (JW)
	WGXI	WI	Plymouth – Format to AC/OLD (ex-NOS); slogan to "Love 98.5 FM," adds // W253CW-98.5. (TN)
1430	WEIR	WV	Weirton – Slogan & Group to Grp= River Talk 1430.
1440	KEXB	TX	University Park – Format to REL (ex-Stunting); slogan to "Relevant Radio," networks to IHR.
1450	WRLL	IL	Cicero – Slogan to "Viva Chicago," "The Real 1450."
1460	WJCP	IN	North Vernon – Format to C&W (ex-CLR); slogan to "Korn 97.7 & 1460."
1510	WFAI	NJ	Salem – Format to UC:OLD (ex-UC:GOS); slogan to "Jammin~ 96.9," adds // W245CJ-96.9.
1530	KQSP	MN	Shakopee – Networks to USA.
1540	CHIN	ON	Toronto – Format to ETH/Brokered/EEan (ex-ETH/Brokered). (TK)
1550	KKCL	CO	Golden – Slogan & Group to Grp= 96.9 the Cloud.
	WKTF	GA	Vienna – Format to CLR/C&W (station is Silent); slogan to "The Crossroads of Classic Rock & Classic Country."
1580	WPGY	GA	Ellijay – Format to AC (ex-OLD).
1590	WNTS	IN	Beech Grove – Format to SS:OLD (ex-SS:AC); slogan to "La Pantera 1590."

New Groups

Grp= 96.9 the Cloud - KKCL-1550, K245CM-96.9, K245AD-96.9

Grp= La Campesina – KNAI-860, K271CR-101.9, K270BZ-101.9

Grp= Latina – WNNR-970, WJXR-92.1, W225BI-92.9

Grp= Radio Lazer – KIQQ-1310, KTNS-1060, K282AE-104.3, KIQQ-FM-103.7

Grp= River Talk 1430 – WEIR-1430, W271CZ-100.9, W235BX-94.9

Grp= The Gamut – WWFD-820, W252DC-98.3, W232DG-94.3

Group Changes

Grp= La Poderosa adds W268DJ-101.5 Ponce

Deleted Group

Grp= I Am Country

Thanks to Shawn Axelrod, Bill Hale, FCC Database (FCC), Eric Bueneman (EB), Terry Krueger (TK), Tim Noonan (TN), and John Wilkins (JW).



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 – C Crane Skywave, 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, Hyundai car radio
NjW-PE Niel Wolfish, Murray Harbour North - WinRadio Excalibur G31DDC + beverage antenna and Delta loop
MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, XHDATA D-808, Sony SRF-39FP, C Crane Skywave, Panasonic RF-2200

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PIRATE/BOOTLEG

- 1630 ---- -- “Tater Patch Radio” (unknown location) – 10/31 0705 – Parallel to web stream with “Sex On Fire” by Kings of Leon. (NjW-PE)

LOGGINGS

- 560 WIND IL Chicago – 10/31 0733 – Wiping out CFOS groundwave with local traffic, local news about Chicago teacher's strike. (MKB-ON)
 610 WIOD FL Miami – 10/30 0559 – America’s First News, ID: “News radio 610 WIOD Miami, an I-Heart Radio station”. Traffic report by woman. (NjW-PE)
 640 WMFN IL Peotone – 10/21 2158 – Spanish language music, ID at 2259 “...you are listening to 640 WMFN”, right back to music. Fair to poor with CFMJ. First time heard at this location. (PS-ON)
 670 WWFE FL Miami – 10/26 2158 – Mixing with Cuba with ID in English and Spanish. (NjW-PE)
 750 CKJH SK Melfort – 10/29 0757 – Poor with Tal Bachman’s “She’s So High”. Mixing with CBGY-Bonavista Bay. (NjW-PE)
 830 WEEU PA Reading – 10/24 1805 – Blasting in with ABC news, local weather into Penn State Coach’s Show, interviewing Nittany Lions women’s basketball coach. (MKB-ON)
 880 CKLQ MB Brandon – 10/29 0757 – Over WCBS-New York with C&W, ID: “from Brandon Manitoba this is Q-Country 91.5”. Announcer Barry Callaghan with weather and road information from Manitoba511.ca. (NjW-PE)
 910 KCJB ND Minot – 10/29 0749 – Faded up over CKDQ with ID and local weather. ID at 0755 and C&W song. Eventually lost to WTOS-Bangor. (NjW-PE)
 CKDQ AB Drumheller -10/29 0744 – “Life Is A Highway” by Rascal Flatts. // webstream. Went past 0800 with Carrie Underwood’s “Heartbeat”. (NjW-PE)
 920 WDMC FL Melbourne – 10/26 2300 – EWTN stuff. Divine Mercy Radio asking for donations. Knights of Columbus Golf Links promo and ad for State Farm Insurance. “WDMC Melbourne-Vero Beach” ToH ID into a repeat of The World Over. (NjW-PE)
 CFRY MB Portage La Prairie – 10/29 0737 – Man with sports and weather, including temps in Brandon. Announcer warning about slushy conditions on the highways. C&W music followed. ID at 0800 that mentions Golden West Broadcasting. (NjW-PE)
 950 KOEL IA Oelwein – 10/24 1857 – Over usual WWJ with “Country 950 KOEL” ID into C&W song. (MKB-ON)
 960 WEAV NY Plattsburgh – 10/28 0749 – CBS Sports Radio stuff with talk about Bill Belichick and local promos for other programs on “The Zone”. Mixing with UNID C&W station. (NjW-PE)

CFRY
920 AM

- CFAC AB **Calgary** – 10/29 0800 – Under Plattsburgh with “Sportsnet 960” ID as well as “this is CFAC 960 AM” call letter ID. Then traffic from the 660 News Traffic Centre and local ad for Jack Carter Chevrolet. **(NjW-PE)**
- 970 WZAN ME **Portland** – 11/1 1940 – Noted with new C&W format as “970 AM and 101.5 FM, The Outlaw”. **(NjW-PE)**
- 990 WNTY CT **Southington** – 10/23 1920 – Over CBW/WDCX mix with oldies, “Kool Radio” slogan into Steve Miller's “Fly like an Eagle”. **(MKB-ON)**
- WTLN FL **Orlando** – 10/29 1900 – Under CBY-Corner Brook with station promos and ID “AM 990 and FM 101.5 WTLN, The Word, Orlando”. **(NjW-PE)**
- 1040 WURN FL **Miami** – 10/30 0601 – SS programming with “Actualidad diez cuarenta” promos. **(NjW-PE)**
- 1060 WILB OH **Canton** – 10/30 0800 – Fighting KYW with Catholic prayers, “you're listening to Living Bread Radio...WILB Canton” ToH ID. **(MKB-ON)**
- 1070 WFLI TN **Lookout Mountain** – 10/29 1900 – Over usual CHOK with oldies, “The home of the Jet Fly Generation...WFLI Lookout Mountain-Chattanooga” ToH ID into “Tequila” by the Champs. **(MKB-ON)**
- 1150 CJSL SK **Estevan** – 11/1 0459 – Mixing with WHBY-Kimberly with “Redneck” by Hardy. **(NjW-PE)**
- 1190 CFSL SK **Weyburn** – 11/1 0501 – C&W and ID: “AM 1190 Weyburn, a Golden West radio station”. Mixing with WLIB-New York. **(NjW-PE)**
- 1200 WKST PA **New Castle** – 10/18 0625 – In multi-station mix (WOAI, WJXY, WRKK and UNID C&W) with “News radio 12 hundred WKST” ID. **(KK-VA)**
- 1220 WWSF ME **Sandford** – 10/31 0500 – ToH “WWSF” ID after Johnny Rivers oldies. **(NjW-PE)**
- 1230 WRBS MD **Baltimore** – 10/30 2002 – ID as “AM 1230 WRBS”. Briefly above mess beginning a ministry broadcast. **(HJH-PA)**
- WCMC NJ **Wildwood** – 10/31 0501 – ID and jingle sandwiched in between OMD's “If You Leave” and “The Witch Doctor”. **(NjW-PE)**
- WFAS NY **White Plains** – 10/31 0500 – ID: “all sports, all day, every day...this is CBS Sports Radio...WFAS White Plains”. Parallel to 1340-WMID. **(NjW-PE)**
- WCBT NC **Roanoke Rapids** – 10/18 0558 – Mixing with WFVA and various UNIDs (oldies, religious talk and more religious talk), male “WCBT 102.7...Roanoke Rapids...” ID. Lists show WCBT as NBC Sports. Is this valid or was WCBT one of the religious talk stations I was hearing? **(KK-VA)**
- 1240 WBAS MA **West Yarmouth** – 10/30 0600 – ToH ID that mentions the FM translator first and also mentions Langer Broadcasting Group. **(NjW-PE)**
- WATN NY **Watertown** – 11/1 1905 – “AccuWeather forecast on 1240 WATN” ID into local weather. Local WQFM nulled. **(HJH-PA)**
- WJNC NC **Jacksonville** – 10/18 0559 – Mixing with WVTS and various UNIDs (religious talk, piano music and oldies), female “You're listening to FM 107.3 and AM 12-40 WJNC Jacksonville” ID. **(KK-VA)**
- WVTS WV **Dunbar** – 10/18 0730 – Presumed in WJNC mix with West Virginia Metro news ending and female “Good morning this is new talk 1240”. If this is WVTS, first time hearing since changing call sign from WBES. **(KK-VA)**
- 1250 WARE MA **Ware** – 10/31 2251 – “Respect” by Aretha Franklin, “Do Ya Think I'm Sexy” by Rod Stewart, “The Valley's Classic Hits 97.7” jingle at 2258, more music. Poor to very poor in station mix. First time heard at this location. **(PS-ON)**
- 1260 WQOF DC **Washington** – 11/2 0800 – Relevant Radio programs, “WQOF Washington” ToH ID over UNID EWTN station (dueling Catholics!). **(MKB-ON)**
- WSUA FL **Miami** – 10/30 0600 – Over CKHJ-Fredericton with ToH ID and Spanish newscast. **(NjW-PE)**
- 1290 CFRW MB **Winnipeg** – 10/29 0757 – Buried under WKBK-Keene with TSN Radio mention. **(NjW-PE)**
- 1320 WDER NH **Derry** – 10/22 0232 – Religious programming with ID at this time. “Living on the Edge” program at 0303. **(JW-PA)**
- 1340 WAGN MI **Menominee** – 10/25 1830 – Call letter ID plus mention of 103.7, noted on car radio in Rohrerstown. **(JW-PA)**
- WMID NJ **Atlantic City** – 10/30 0559 – Out of Fleetwood Mac's “Dreams” with ToH ID, jingle and plug for the WMID Classic Oldies app. **(NjW-PE)**
- WIRY NY **Plattsburg** – 11/1 0728 – ID and man running down local high school sports scores and upcoming matches in the “North Country”. **(NjW-PE)**
- 1380 KOTA SD **Rapid City** – 10/31 0500 – Popped up with ID that mentions FM 100.7 and CBS news. Lost to WKDM-New York. **(NjW-PE)**

- WOTE WI Clintonville** – 11/1 0500 – “Right here on The Franchise Sports Radio 1380 WOTE Clintonville-Shawano-New London” ToH ID into Fox Sports stuff. Mixing with CKPC-Brantford. **(NjW-PE)**
- 1400 WOND NJ Pleasantville** – 10/31 0500 – ID arose above the jumble: “1400 WOND and WONDradiodot com”. **(NjW-PE)**
- 1420 WBSM MA New Bedford** – 10/31 0451 – “New Bedford’s News Talk Station” slogan then call letter ID a bit later. In nice and clear, then stronger after the hour. **(JW-PA)**
- WCED PA DuBois** – 10/29 0459 – “Fleet Owner” ad then name check for Red Eye Radio. Nice WCED ID after the hour change with inclusion of 96.7 and 107.9. Very clear at times. Later that day I had a brief conversation with Jay Philipone, Priority Communications owner, about this logging and broadcast power at this time. He expressed some surprise at the reception and indicated he would check it out. Noted again 10/31 at 0500, transition from diesel additive ad into full ID as above. Blurb for Tri-County Insider after the news. Very clear and loud ID at 0600. **(JW-PA)**
- 1450 WFMB IL Springfield** – 10/25 0619 – Out of graveyard jumble, “Sports Radio 1450” slogan at this time. **(JW-PA)**
- WPGG NJ Atlantic City** – 10/26 2259 – Spot for Goldenberg Mackler Attorneys. ToH ID: “99.5 FM and 1450 AM WPGG Atlantic City, W238CZ HD3 Millville” and Fox news. **(NjW-PE)**
- 1460 WBNS OH Columbus** – 11/3 0715 – Over usual CJOY groundwave with ad for Columbus-area Bobcat dealer, ESPN talk on Ohio State football. **(MKB-ON)**
- 1490 WICY NY Malone** – 10/31 0928 – “Ghostbusters”, E.L.O.’s “Living Thing”, ID and weather forecast. Poor. **(NjW-PE)**
- 1510 KCKK CO Littleton** – 10/29 0600 – ToH ID: “1510 The Rock: you’re listening to KCKK AM Littleton Colorado, translator K225CZ Boulder, Colorado...a Hunt Broadcasting Station”. Sandwiched in between Blue Swede and Smokey Robinson tunes. Good signal. Ecuadorian time station was underneath. **(NjW-PE)**
- 1540 KXEL IA Waterloo** – 10/22 0730 – Creaming local blowtorch CHIN with University of Northern Iowa sports promo “on News Talk 1540 KXEL”. **(MKB-ON)**
- WADK RI Newport** – 10/28 0752 –ID, mention of station website and ad for Coastal Financial. WADK sportscast followed. Over top of CHIN- Toronto in Chinese and WXEX-Exeter NH with oldies. **(NjW-PE)**
- 1550 WZUM PA Braddock** – 10/27 0900 – Fighting CBEF with ToH ID mentioning “...on wzum.org or follow us on Facebook” into jazz. **(MKB-ON)**
- 1560 KTUI MO Sullivan** – 10/27 0130 – Power Swabs ad, USA Radio News, more national ads, American Family Farmer program, USA Radio News. Poor to very poor, occasionally audible over WFME. No ID heard, but definitely // to Tune In stream. **(PS-ON)**
- KGOW TX Bellaire** – 10/22 2208 – Alternating talk by male and female in Vietnamese. Fair at times over WFME to very poor under. // to vietradio.com stream. First time heard here. Trying to ID KTUI (see logging below), also hearing WGLB in there as well. **(PS-ON)**
- 1590 WGGO NY Salamanca** – 10/21 0835 – Over usual WAKR with local weather, “that’s your forecast on 1590 the Patriot WGGO”. With a slogan like “The Patriot” you can pretty much guess the format is right wing talk. **(MKB-ON)**



Unreported Domestic Stations

No new stations were reported to DDXD this issue for the first time since at least Volume 67 (1999-2000). We hold at 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?

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/remarks. Your cooperation is much appreciated. Reports older than 30 days will be excluded at the editor's discretion.

A nice turnout this issue. Colder temperatures mean Hot MW DX! We have enough loggings to return to three time 'zones', so kindly divide yours appropriately as you see them here.

Upcoming deadlines for **Volume 87 Issues 5 and 6**: Noon (CST) Fridays, November 15 and 29, respectively. If you receive the **print edition only**, let me know when reporting and consideration will be given in cases where the '30-day' rule is exceeded.

REPORTERS

- NB-WI Neil Bartlett Verona, Wisconsin Honda CRV radio
 SD-AZ Skip Dabelstein Tucson, Arizona Receivers: Drake SW8 and Icom R-75; Antennas: LF Engineering H-900 Active Whip, Radio Plus Quantum Loop, and 400' East BOG in desert wash behind my house.
 WH-CO Wayne Heinen Aurora, Colorado SDRPlay RSP2Pro, E/W Flag, N/S Flag TG-1 Termination Gizmo and Mini DXP5
 TK-FL Terry Krueger Niceville, Florida IC-R75, ICF-7600GR, active loop, random wire
 JN-TX James Niven Cedar Creek, Texas Receivers: ELAD S2, Perseus SDR and Drake R8 Antennas: DKAZ (East & South) 140-foot x 23 high
 JJR-MI John J Rieger L'Anse, Michigan Grundig Satellit 750 -Terk AM1000 loop, Sangean ATS-909X stock (The 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
 JNS-MN John Sampson Grand Rapids, Minnesota Drake R8B w/250 foot N:S longwire
 JW-CO John Wilkins Wheat Ridge, Colorado Drake R-8, 4-foot box loop
[\[Congratulations to John upon hearing his 1800th station!!\]](#)

SPECIAL

- 1460 WJTI WI West Allis - 10/27 - Returns to the air with Regional Mexican: 'La Caliente 97.9' ['97.9' refers to translator W250BN]. (JJR-WI)

UNID

- 950 UNID - 10/29 0830 - Very poor, with others. End of C&W or GOS song, into USA Radio News. Then lost. No WNTD or WWJ. With others. (JJR-WI) [My guess: KFSA Fort Smith, AR - Ed.]
 1480 UNID - 10/29 0856 - Poor, but solid. Sports "... will be heard on our sister station, True Country 92.7 FM". (JJR-WI)

DX LOGGINGS

(from here the file is corrupted ... sorry, we'll run it next time!)



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

- 531 **ALGERIA** *Jil FM*, F'kirina Wilaya d'Oum El Bouaghi SEP 21 2300 - Men laughing, *Jil FM* ID, Daft Punk "Get Lucky"; good. SEP 22 2301 - Arabic pop with autotuned male vocal, *Jil FM* ID in talk; good. OCT 22 0100 - music, 1+2+1 pips, spoken and jingle *Jil FM* ID's, vocal with percussion, electric organ; loud!{A} [Connelly-MA]
- 540 **HUNGARY** *MR1 Solt* OCT 14 0300 - 5 pips, intro music, Kossuth Radio ID; over CBT.{A} [Connelly-MA]
- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche SEP 1 0000 - *Jil FM* jingle; fair.{A} [Connelly-MA]
- 576 **CANARY ISLANDS//SPAIN** *RNE* synchros OCT 24 0037 - Phone interview parallel 585; poor to fair. [Connelly-MA]
- 585 **SPAIN** *RNE1* Madrid OCT 23 0200 - 5+1 pips, woman with time check, fanfare music, man "Radio Nacional de España, servicios informativos"; good.{A} OCT 24 0037 - Interview parallel 576; to good peak. [Connelly-MA]
- 595.9 **MOROCCO** *SNRT* Oujda OCT 25 0608 - JBA carrier. Before a bandscan, I check for this first, reported by Chris McWhinnie and Alan Pennington of the British DX Club further off-frequency than usual 595 instead of 594, and there it is! Wolfgang Bueschel precisioned it at 595.896 kHz. [Hauser-OK]
- 621 **CANARY ISLANDS//SPAIN** *RNE1* synchros OCT 28 0300 - Music, 5+1 pips, RNE news intro; fair peaks.{A} [Connelly-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. OCT 15 0500 - RNE news intro with likely Czech under.{A} [Connelly-MA]
- 657 **SPAIN** *RNE5* Madrid OCT 27 0200 - RNE news intro; through WFAN slop. [Connelly-MA]
- 684 **SPAIN** *RNE1* Sevilla OCT 14 2300 - Radio Nacional de España news intro; audible during breaks in WRKO slop.{A} [Connelly-MA]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. SEP 23 0300 - BBC Radio Five Live ID; fair peak. OCT 18 0400 - Intro music, BBC Five Live ID; a bit echoey or hollow sounding.{A} [Connelly-MA]
- 720 **CANARY ISLANDS** *RNE5* Santa Cruz OCT 18 2200 - 5+1 pips, fanfare music, man "Radio Nacional de España"; over other station (Portugal?) with different pitch pips.{A} [Connelly-MA]
- 738 **SPAIN** *RNE1* Barcelona SEP 10 0300 - End of music selection, 5+1 pips, woman with time check, fanfare music, man "Radio Nacional de España"; fair through static crashes.{A} [Connelly-MA]
- 747 **SPAIN** *RNE5* Cádiz OCT 23 0300 - 5+1 pips, woman with time check, fanfare music, man "Radio Nacional de España, servicios informativos"; good.{A} [Connelly-MA]
- 774 **EGYPT** *ERTU* Abis OCT 23 0300 - Koranic vocal from Egypt duking it out with RNE Spain parallel 747. OCT 28 0300 - Koranic a cappella male vocal; pretty much owning the channel.{A} [Connelly-MA]
- 783 **SYRIA** *Syrian Radio/R.Damascus*, Tartus OCT 24 0049 - Instrumental Mideast music; fair. Web stream audio mixed in from 14 to 23 sec. on audio clip for comparison. OCT 28 0300 - Group vocal, man in Arabic, synthesized interval signals; good.{A} [Connelly-MA]
- 810 **SCOTLAND** *BBC R.Scotland*, Burghead//Redmoss//Westerglen OCT 18 2200 - Woman "BBC Radio Scotland"; under WGY.{A} [Connelly-MA]
- 819 **EGYPT** *ERTU* Batra SEP 18 0101 - Chant then woman with talk; noisy. OCT 27 0200 - Koranic vocal with some reverb, long pauses; loud.{A} [Connelly-MA]
- 837 **SPAIN** *COPE* synchros OCT 21 2200 - 5+1 pips, several in an active discussion through top of hour; good.{A} [Connelly-MA]
- 855 **SPAIN** *RNE1* Murcia et al. OCT 12 2200 - Bit of vocal, 5+1 pips, fanfare music, man "Radio Nacional de España, servicios informativos", news by woman; loud.{A} [Connelly-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5* synchros SEP 23 0530 - BBC Five Live ID, talk about job losses; fair. OCT 20 0400 - BBC Five Live ID; to good peak.{A} [Connelly-MA]
- 954 **TURKEY** *TRT1* Trabzon OCT 22 0257 - A huge amount of slop and noise on this channel, but the interval signal cut through nicely. No spoken words were audible. The previous night, OCT 21, I tuned in at 0309 and found distinctive music that matched the web audio, so

- nice to seal the deal tonight with the interval signal. Thanks to Sylvain Naud for pointing me in this direction. [Renfrew-NY] OCT 24 0257 - Interval signal, three of these on audio clip. Fair through 950 CKNB slop.{A} [Connelly-MA]
- 1071 **INDIA** *AIR Rajkot* OCT 22 0100 - In a RealDX review of audio clip CK Raman in New Delhi says, "I think the woman's voice from 1 min. 17 sec. till end is AIR. No ID, but I think I hear some Urdu/Sindhi words." On RealDX Mauno Ritola posted an audio clip which has India with a woman speaking about frequencies used. This seems the same (though much clearer than) what I have on my audio file. Based on this, I would call the reception definite. On both recordings there were other stations mixing at times.{A} [Connelly-MA]
- 1089 **UNITED KINGDOM** *TalkSport* sychros SEP 21 2259 - Advert "Advertise on TalkSport.com"; fair to good. SEP 22 2300 - "Broadcast partner of the Premier League, TalkSport"; fair to good. OCT 12 2200 - Woman with advert for recipes in the Sun, advert for lottery, man "On digital radio and 1089 and 1053 AM, TalkSport"; excellent. OCT 21 2200 - Promo for a Friday show on TalkSport; good.{A} [Connelly-MA]
- 1107 **SPAIN** *RNE5* sychros SEP 11 0100 - 5+1 pips, woman with time check, fanfare music, man "Radio Nacional de España, servicios informativos"; good. OCT 21 2300 - 5+1 pips, woman with time check mentioning Canarias, fanfare music, man "Radio Nacional de España, servicios informativos"; good.{A} [Connelly-MA]
- 1125 **SPAIN** *RNE5* sychros SEP 21 2300 - 5+1 pips, woman with time check, fanfare music, man "Radio Nacional de España, servicios informativos"; fair.{A} [Connelly-MA]
- 1170 **UNITED ARAB EMIRATES** *Sawt al-Joumhouria, Al-Dhabbaya* OCT 12 2200 - Mideast music; weak to fair. [Connelly-MA]
- 1179 **ROMANIA** *R.România Actualitati, Galbeni//Vascau* SEP 18 0300 - Dance-pop music, ID by man "Radio Romania Actualitati, hora exacta," 6 pips; good. SEP 25 2300 - Man with ID "Radio Romania Actualitati, hora exacta," 6 pips; good. OCT 15 2200 - Usual ID and news intro; good. OCT 21 2200 - ID by man "Radio Romania Actualitati, hora exacta", 6 pips; loud!{A} [Connelly-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* sychros SEP 20 2300 - *Absolute Radio* ID by woman, Simon & Garfunkel "The Boxer"; fair. OCT 12 2201 - Advert about jackpot, promo for songs played from each of the last 6 decades, *Absolute Radio* ID; good. OCT 18 0359 - Dating site "CouplingUp.co.uk" advert, *Absolute Radio* ID, news about Brexit deal meeting; good. OCT 21 0456 - Jefferson Starship "We Built This City on Rock 'n' Roll", *Absolute Radio* ID; loud.{A} [Connelly-MA]
- 1341 **NORTHERN IRELAND** *BBC R.Ulster, Lisnagarvey* OCT 18 0400 - BBC Five Live news parallel 693; to fair peak. [Connelly-MA]
- 1413 **SPAIN** *RNE5* sychros OCT 26 0500 - RNE news intro; poor. [Connelly-MA]
- 1431 **DJIBOUTI** *VOA Arta* OCT 21 2300 - End of Middle Eastern music, talk by woman; tough WKOX slop.{A} [Connelly-MA]
- 1458 **UNITED KINGDOM** *Lyca Radio, London* OCT 21 2159 - Indian vocal; poor. [Connelly-MA]
- 1503 **SPAIN** *RNE5 La Línea de Concepción//Piñeira* OCT 18 2200 - 5+1 pips, woman with time check, fanfare music, man "Radio Nacional de España, servicios informativos"; good.{A} [Connelly-MA]
- 1521 **SAUDI ARABIA** *SBC R.Riyadh, Duba* OCT 12 2200 - Man and woman in Arabic; fair through slop. OCT 18 2201 - Pop Arabic male vocal; to good peak.{A} [Connelly-MA]
- 1530 **SAO TOME** *VOA Pinheira* SEP 10 0259 - "This is the Voice of America, Washington, DC, signing on." Yankee Doodle theme; mixed with WCKY. SEP 21 0430 - "This is the Voice of America, Washington, DC, signing off." Usual talk about writing to get a program schedule; to fair peak, dominant. SEP 21 0500 - Yankee Doodle music, usual sign-on announcement, more Yankee Doodle, woman in African language; fair, alone on channel. OCT 23 0259 - "This is the Voice of America, Washington, DC, signing on." Yankee Doodle march; fair to good, dominant.{A} [Connelly-MA]
- 1539 **UNITED ARAB EMIRATES** *Asianet Radio, Al-Dhabbiya* SEP 1 0000 - Bollywood style music, talk by woman, male vocal with reverb; fair peaks.{A} [Connelly-MA]
- 1548 **KUWAIT** *R.Sawa, Kuwait City* SEP 1 0000 - Man and woman in Arabic; poor to fair. OCT 14 2300 - Man and woman in Arabic; fair over slop. OCT 27 0201 - Modern pop Arabic music; fast fades.{A} [Connelly-MA]
- 1550.03 **ALGERIA** *National Radio of the Saharan Arab Democratic Republic, Rabouni* OCT 12 2201 - Arabic male vocal; mixed with WSDK. [Connelly-MA]

PAN-AMERICAN DX

- 540 **COLOMBIA** *HJKA Bogotá* OCT 14 0400 - Bogotá mention and HJKA ID; over CBT, WFLF.{A} [Connelly-MA]

- 539.966 **MEXICO** XEWA *Los 40*, San Luis Potosí, SLP NOV 1 0710 - All English language pop, canned "Los 40" occasionally. On rare fade downs, generating a big SAH with everyone on proper 540 kHz. Presumed site. [Krueger-FL]
- 550 **COLOMBIA** HJHF *R.Nacional*, Marinilla SEP 21 0200 - Woman with "Radio Nacional de Colombia" net ID; slightly over others. SEP 22 0100 - "Radio Nacional de Colombia" ID; over jumble. SEP 28 0301 - "Radio Nacional de Colombia" ID; dominant.{A} [Connelly-MA]
- 550 **PUERTO RICO** WPAB Ponce SEP 6 0401 - Light music, man "Aqui WPAB, cinco cincuenta AM, Ponce"; over static. SEP 21 0300 - ID "Aqui WPAB... Ponce"; atop pile.{A} [Connelly-MA]
- 550 **VENEZUELA** YVKE *Mundial*, Caracas SEP 8 0400 - Talk with Venezuela mention, choral presentation of Venezuelan national anthem; dominant.{A} [Connelly-MA]
- 560 **CUBA** *R.Rebelde*, Ciego de Avila SEP 6 0200 - 9-note Rebelde attention signal; atop WGAN, WFIL, and WQAM.{A} [Connelly-MA]
- 570 **COLOMBIA** HJND *R.Nacional*, Bogotá SEP 18 0200 - Woman "Noticias de la hora en Radio Nacional de Colombia"; over WMCA. OCT 27 0200 - Woman with "Radio Nacional de Colombia" ID; over WMCA and others.{A} [Connelly-MA]
- 570 **CUBA** *R.Reloy*, Santa Clara SEP 21 0200 - Reloy ticks, news, RR beeps; mixed with WMCA.{A} [Connelly-MA]
- 570 **MEXICO** XEJB Monterrey, NL OCT 20 1158 - On top of the channel with good signal; male with "BJB Monterrey NL" then back in music. [Niven-TX] OCT 28 0556 - Caught last part of ID for "92.1, regional Mexicana" looping south/southwest. Certainly XEJB, which IRCA Log shows as 5000/500 watts, BJB Regional Mexicana, Música Regiomontana, 24 h, parallel XHGB 92.1 FM General Bravo. Regiomontana is the classier adjectival form instead of "Monterreyana". By the way, in NRC IDXD someone reported 570 Monty as XEMON, which is really the one on 1370 kHz. [Hauser-OK]
- 580 **PUERTO RICO** WKAQ San Juan SEP 3 2359 - Man with numerous WKAQ cinco ochenta AM ID's; loud.{A} [Connelly-MA]
- 590 **CUBA** *R.Musical Nacional*, La Julia SEP 21 0300 - *R.Musical Nacional* ID and signature harp music; over WEZE and a Rebelde noticeable only by the "splash" sound effect.{A} [Connelly-MA]
- 590 **MEXICO** XEPH *Sabrosita 590*, México, DF SEP 4 0159 - Mexican anthem; mixed with WEZE. SEP 8 0400 - Sabrosita ID's; mixed with WEZE. SEP 21 0200 - Mexican anthem; over WEZE.{A} [Connelly-MA]
- 600 **PUERTO RICO** WYEL Mayagüez SEP 6 0400 - WKAQ net ID's parallel 580 then Cuba with anthem faded up.{A} [Connelly-MA]
- 610 **BRAZIL** ZYL268 *R.Itatiaia*, Belo Horizonte SEP 13 2300 - Portuguese talk, Itatiaia ID; fair.{A} [Connelly-MA]
- 610 **COLOMBIA** HJKL *La Cariñosa*, Bogotá OCT 27 0300 - Bogotá mention, Carinosa jingle; over WGIR, WIOD, and other mess.{A} [Connelly-MA]
- 610 **CUBA** *R.Rebelde*, Bueycito//Cienfuegos-Malecón//Guane SEP 8 0400 - Cuban anthem duking it out with WIOD Miami.{A} [Connelly-MA]
- 620 **CUBA** *R.Rebelde*, Colón OCT 21 0400 - Anthem, then Rebelde la Habana ID with spooky organ music; huge, steamrolling the channel, WSNR New Jersey noted way under.{A} [Connelly-MA]
- 630 **CUBA** *R.Progreso*, Camagüey-Isábel Hortensia OCT 18 1001 - *R.Progreso* ID; surprisingly in the clear on this busy channel.{A} [Connelly-MA]
- 630 **PUERTO RICO** WUNO San Juan SEP 21 0359 - ID "WUNO seis treinta AM San Juan," list of other affiliates, Facebook and Twitter mention; huge. SEP 23 0000 - WUNO Seis Treinta AM San Juan ID in affiliates list, NotiUno Seis Treinta slogans; huge, burying WPRO.{A} [Connelly-MA]
- 650 **COLOMBIA** HJKH, *RCN Antena Dos*, Bogotá SEP 21 0301 - Antena Dos ID, Banco Popular mention, sports coverage promo; good. SEP 28 0959 - Man with Antena Dos Colombia ID; over Cuba, others.{A} [Connelly-MA]
- 650 **CUBA** *R.Progreso*, Ciego de Avila SEP 10 0400 - Progreso theme vocal, Cuban national anthem, woman with *R.Progreso* ID; over WSM. Slight wobble of carrier frequency noted.{A} [Connelly-MA]
- 660 **CUBA** *R.Progreso*, Jovellanos SEP 6 0401 - Cuban anthem; a bit under WFAN.{A} [Connelly-MA]
- 660 **MEXICO** XEFZ Monterrey, NL OCT 20 1159 - "ABC Radio" ID's, then back into music; good signal. [Niven-TX]

- 690 **COLOMBIA** HJCZ, *W Radio*, Bogotá SEP 6 0200 - "Desde Bogotá" and "W" mentions; fair. SEP 18 0159 - Male pop vocal, Bogotá mention and "W" slogan; to good peak. SEP 28 0300 - "W Radio" ID; fair.{A} [Connelly-MA]
- 690 **MEXICO** XEN México, DF OCT 28 0558-0602 - Choral adult Mexican national anthem from with heavy co-channel from KGGF et al. There are only three XE's on 690, most likely XEN rather than Fresnillo or Monterrey. Per the anthem appendix of the Mexican Log at www.ircaonline.org about XEN, "Fast adult choral version (2 verses about 2 minutes) at Midnight. ID before and after anthem," while XEMA has children's version, and XERG none? [Hauser-OK]
- 700 **COLOMBIA** HJCX, *W Radio*, Cali SEP 28 0400 - "W Radio" ID; under WLW.{A} [Connelly-MA]
- 700 **ECUADOR** HCRS2 *R.Sucre*, Guayaquil OCT 31 0445 - Spanish language music, powerful female singer singing a loud ballad made it possible to match to Tune In stream, some unintelligible talk at times. Very, very poor under WLW. [Snider-ON]
- 700 **MEXICO** XEGD Hidalgo del Parral, Chih. OCT 20 1201 - Dominant on the channel with "La Poderosa" ID's; fair signal. [Niven-TX]
- 710 **MEXICO** XEDP Cd. Cuauhtémoc, Chih. OCT 27 0603 - Tune-in, last few notes of orchestral Mexican national anthem and apparently off, no Spanish or music further. Must be XEDP from the southwest, the only one I ever hear. This and the other two actives in the IRCA Mexican Log are all shown as 24 hours. [Hauser-OK]
- 720 **GREENLAND** KNR Siniutaq NOV 2 0409 - First time hearing them this year and at this location. Continuous talk by somewhat monotone male in assumed Greenlandic. Poor to very poor under WGN. Parallel to knr.gl stream. [Snider-ON]
- 730 **MEXICO** XEX México, DF SEP 8 0400 - Slogan "W Deportes, la voz del deportes," Ciudad de México mention; good. SEP 10 0400 - Deportes in ID slogan; over WZGV, WLTV, CKAC, Colombia tangle. SEP 21 0200 - "W Deportes" IDs; over CKAC, Cuba, Colombia.{A} [Connelly-MA]
- 750 **COLOMBIA** HJDK *Caracol Radio*, Medellín SEP 8 0400 - "Bird-like" instrumental flourish parallel 810 HJCY; under WSB.{A} [Connelly-MA]
- 750 **CUBA** *R.Progreso*, Palmira
- 750 **MEXICO** XEJMN Jesús María, Nay. OCT 23 1159 - Many "La Voz de los Cuatro Pueblos" ID's, then into local native music, all alone on frequency. [Niven-TX]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza SEP 7 2300 - Man in Portuguese with Radio Uirapuru en Fortaleza ID; fair.{A} [Connelly-MA]
- 760 **COLOMBIA** HJAJ, RCN, Barranquilla OCT 27 0204 - RCN Radio ID's; noisy.{A} [Connelly-MA]
- 760 **MEXICO** XEABC Los Reyes de la Paz, Edo.Mex. OCT 20 1200 - Dominant on the channel; "ABC Radio" ID was heard with nice signal. [Niven-TX]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro SEP 28 0345 - Tropical vocal, time check, *R.Coro* ID; good, over rumble from bad AC filtering on one of the Maine stations. OCT 27 0300 - *R.Coro* ID; hum from WXME or WTME under.{A} [Connelly-MA]
- 780 **BRITISH VIRGIN ISLANDS** ZBVI Tortola SEP 4 0201 - Instrumental "God Save the Queen" at closedown; over WBBM. SEP 21 0201 - "God Save the Queen"; over Maine station with hum problem.{A} [Connelly-MA]
- 790 **CUBA** *R.Relej*, Pinar del Río//Holguín SEP 4 0200 - Ticks, beep, Radio Relej... la Habana, Cuba ID; dominant. SEP 6 0400 - Relej with midnight-local doorbells jumbled with WNIS Virginia and WPRV Rhode Island.{A} [Connelly-MA]
- 800 **BONAIRE** PJB *TransWorld Radio*, Kralendijk SEP 4 0000 - Woman in Spanish with Radio Transmundial ID; loud! SEP 21 0200 - Steel drum reggae beat music, full Radio Transmundial ID and Bonaire mention; local-like. OCT 18 2300 - Anthem/march, U.S.-accented man "7 o'clock Atlantic Standard Time," introduction to TransWorld Radio English language service, Bonaire mention; good.{A} [Connelly-MA]
- 810 **COLOMBIA** HJCY *Caracol Radio*, Bogotá SEP 6 0400 - Colombia atop with man and woman chatting and laughing, interspersed attention music, *Caracol Radio* ID; Cuban with anthem, deranged wobbling under. SEP 8 0400 - Man "Ultima Hora Caracol Radio," "bird" attention music, another Caracol ID; good. SEP 21 0200 - Fanfare music, *Caracol Radio* ID; good, dominant.{A} [Connelly-MA]
- 830 **DOMINICAN REPUBLIC** HIJB Santo Domingo SEP 23 0000 - Man with full HIJB ID and Santo Domingo mention; to good peak, dominant.{A} [Connelly-MA]



- 840 **CUBA** CMHW *Doblevé*, Santa Clara SEP 4 0000 - Man "Esta es Doblevé, Santa Clara, en el centro de Cuba"; good.{A} [Connelly-MA]
- 860 **PANAMA** HOL55 *R.Reforma*, Chitré SEP 6 0159 - Man said Panama and Radio Reforma (with a trilling of the R in Reforma); good over CJBC.{A} [Connelly-MA]
- 870 **CUBA** *R.Reloj*, Baracoa-Van Van//Bueycito//Sancti Spíritus SEP 6 0200 - "Radio Reloj, diez de la noche" then "Radio Reloj, transmitiendo desde la Habana, Cuba"; good.{A} [Connelly-MA]
- 900 **CUBA** *R.Progreso*, San Germán-Urbano Noris OCT 27 0613 - Spanish song, XEW? No, loops southeast and quickly parallel much weaker 890 with WLS Jimbo nulled, therefore the two Radios Progreso. Once mighty XEW, *La Voz de la América Latina desde México*, is seldom heard here; if I do get a 900 Mexican, it's XEOK Monterrey, or used to be: IRCA Log thinks it may be off to FM. There was a 100:1 power disparity, 250 vs 2.5 kW night power! WRTH 2019 gave XEW only 100 kW, a 40:1 ratio. [Hauser-OK]
- 940.25 **COLOMBIA** HJGB *R.Calima*, Cali OCT 27 0200 - Het against WIPR, CFNV. [Connelly-MA]
- 940 **MEXICO** XEQ *Ke Buena*, México, DF SEP 8 0356 - Mexi-tune, man with "La Ke Buena en AM, nueve cuarenta" ID; to good peak. SEP 8 0400 - *Ke Buena* spoken and jingle ID's; over presumed Colombian with pips.{A} [Connelly-MA]
- 940 **PUERTO RICO** WIPR San Juan SEP 7 2300 - Woman in Spanish with WIPR ID, mentions of Puerto Rico and website; fair. SEP 28 0447 - Latin jazz, woman with "WIPR, nueve cuarenta AM" ID; good, dominant.{A} [Connelly-MA]
- 970 **MEXICO** XERFR *Fórmula 970*, México, DF OCT 27 1100 - Spanish talk with Fórmula slogans and FM and AM frequencies 103.3 and 970. Thanks to Graham Bell and Marc DeLorenzo (RealDX forum) for ID help.{A} [Connelly-MA]
- 1000 **COLOMBIA** HJAQ, RCN, Cartagena OCT 27 0200 - RCN mentions, fanfare, pips; over Cuban wobbler, WINS IBOC hash, 999 het. [Connelly-MA]
- 1000 **MEXICO** XEOY *Mil AM*, México, DF OCT 20 1127 - Local with lady announcer into Eduardo Capetillo's "Me Tienes" (a decent Spanish cover of Roy Orbison's "You Got It"). Parallel station stream. [Krueger-FL]
- 1030 **ARGENTINA** LS10 *Radio del Plata*, Buenos Aires SEP 21 0201 - *Radio del Plata* ID; under WBZ.{A} [Connelly-MA]
- 1030.68 unID SEP 26 0100 - Weak het. [Connelly-MA]
- 1039.62 **VENEZUELA** YVLB *La Voz de Carabobo*, Valencia OCT 27 0200 - Het growl on CJMS. [Connelly-MA]
- 1060 **CUBA** *Radio 26*, Jovellanos OCT 21 0400 - Cuban anthem crushing the competition.{A} [Connelly-MA]
- 1070 **COLOMBIA** *R.Santa Fe*, Bogotá SEP 21 0201 - *R.Santa Fe* ID's; slightly over jumble.{A} [Connelly-MA]
- 1080 **CUBA** *R.Cadena Habana/R.Ciudad de la Habana*, La Habana-Villa María SEP 10 0400 - Cuban anthem; in mix with WTIC, WKAT.{A} [Connelly-MA]
- 1090 **MEXICO** XEAU Monterrey, NL OCT 21 0559 - Promo for Milenio Diario newscast at LV times, 0600 into infomercial. Still no ID, but another match for XEAU since searching immediately finds: "XEAU-AM is a radio station on 1090 AM in Monterrey, Nuevo León. It is owned by Multimedios Radio and carries Milenio Radio along with sister station XHFMTU-FM 103.7 HD3. Wikipedia." Of course that does not prove that no other 1090 station airs M.D., but surely XEAU, our closest 1090 anyway is the one I have been hearing. As usual, KAAY from the east can be nulled, but not the annoying 1089 het from the 700+ kW of UK synthros. OCT 26 0605 - Spanish from south easy with KAAY from the east nulled and initially dead-air. It's an infomercial not for mattresses but now for Vita-C, an antiseptic, referring to phone number to call "en pantalla," i.e. on the screen, another television infomercial. The number probably depends on which station is airing it in order to track response sources, but it's rather hard to 'see' on the radio! Maybe they later inserted it verbally. Anyhow, still presumed XEAU. [Hauser-OK]
- 1100 **MEXICO** XEGTO Tlaltenango, Zac. OCT 20 1201 - Mention of Radio Canon at fair level mixed with KDRY underneath. [Niven-TX]
- 1130 **MEXICO** XEYZ Aguascalientes, Ags. OCT 20 1158 - Lively musical tunes, ID given by female at 1200; good signal. [Niven-TX] OCT 27 0624 - Super-hype voice actor proclaims, "La Poderosa, la más famosa." [Hauser-OK] XEYZ is still including AM 1130 in their ID, heard on their web stream, despite surrendering the AM license almost a year and a half ago. [Tim Hall-DXLD]
- 1150 **MEXICO** XEAD Guadalajara, Jal. OCT 20 1159 - Male speaking with FM and AM calls given along with mentions of Guadalajara; fair signal. New! [Niven-TX]



- 1170 **COLOMBIA** HJNW *Caracol Radio*, Cartagena SEP 28 0401 - Cartagena mention and *Caracol Radio* ID's; over WWVA.{A} [Connelly-MA]
- 1170 **MEXICO** XERT Reynosa, Tamps. OCT 20 1159 - On top of channel with ID given at 1200, nice clear signal. [Niven-TX]
- 1190 **MEXICO** XECT Monterrey, NL OCT 20 1200 - "Contacto 1190" ID; fair to good signal. [Niven-TX]
- 1210 **CUBA** unID SEP 8 0401 - Cuban anthem getting through during some dead air on WPHT. Reloj RR beeps also there from second Cuban.{A} [Connelly-MA]
- 1310 **MEXICO** XEHIT Puebla, Pue. OCT 20 1159 - Female with ID, "Radio Felicidad 95.5 FM, Los Mejores Mementos, XHHIT..." fair to good signal. [Niven-TX]
- 1510 **ECUADOR** HCIO2 *R.Naval*, Guayaquil OCT 30 0401 - Time station with beeps every second; initially atop then faded other Latin American that had music. WLAC weaker than both.{A} [Connelly-MA]
- 1510 **MEXICO** XEQI *Opus 1510*, Monterrey, NL OCT 27 0629 - Classical music from south/southwest, no doubt XEQI; there is no USA AM station with a classical format we hear. [Hauser-OK]
- 1520 **CUBA** *R.Baraguá*, Palma Soriano SEP 6 0400 - Cuban anthem; mixed with WWKB and low growl from presumed Colombian.{A} [Connelly-MA]
- 1520.08 unID SEP 6 0200 - Man in Spanish, into soft music. Offset points to possible HJLQ Barranquilla.{A} [Connelly-MA]
- 1540 **BAHAMAS** ZNS1 Nassau SEP 8 0400 - Woman "This is Radio Bahamas 1540 AM 104.5 FM, the national voice of the Bahamas where only the sun covers the Bahamas better." Good, dominant.{A} [Connelly-MA]
- 1540 **MEXICO** unID OCT 26 1040 - Mexi-tunes, choral anthem at 1100, more Mexi-tunes but very poor in KXEL co-channel, plus low side hets from likely KGBC and KBOA. Not parallel XEHOS, Hermosillo, Sonora's alleged AM stream which was feeding XHHOS *La Invasora* 101.9 FM (ID'ing as) and no anthem at 1100; maybe that happens at 1200, being how far west they are. XESTN Monterrey has no functioning stream. The 2019 WRTH lists both while the 22nd Ed. IRCA Mexican Log only shows XESTN and as no longer simulcasting 1110 XERED Radio Red but rather XERC "Radio Centro 97.7" FM from Mexico City. The Wiki entry for XEHOS states the AM went silent in 2017 (with an edit from "Raymie" three months ago, who we know is a highly credible source for Mexican radio/TV). So, is this XESTN, seemingly the only one still on 1540? [Krueger-FL]
- 1570 **MEXICO** XERF *La Poderosa*, Cd. Acuña, Coah. OCT 21 0401 - Woman with "XERF La Poderosa" ID; over jumble.{A} [Connelly-MA]
- 1620 **CUBA** *R.Rebelde*, La Habana-El Sapo//Amancio//El Coco//Guantánamo-Antiguo OCT 27 1000 - ID "Rebelde la Habana, emisora de la revolución"; mostly over WDHP.{A} [Connelly-MA]
- 1620 **U.S. VIRGIN ISLANDS** WDHP Frederiksted OCT 27 1000 - WDHP ID by Carib-accent man; mixed with Cuba.{A} [Connelly-MA]



CONTRIBUTORS

Mark Connelly WA1ION, South Yarmouth MA; Elad FDM-S2, cardioid pattern SuperLoop 9m vertical by 20m horizontal (peak 75°, null 255°), cardioid pattern Kaz Delta 6m vertical by 14m horizontal (peak 160°, null 340°), {A} indicates audio can be accessed at www.qsl.net/wa1ion/doc1/audio_2019.htm.

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, random wire.

James Niven, Cedar Creek TX; Elad S2, Perseus SDR, Drake R8, DKaz antennas 140-ft x 23-ft high east and south.

Jim Renfrew, Clarendon NY; Drake R8B, 700-ft long wire.

Paul Snider, London ON; EladFDM-S2, Pixel Pro 1B loop, MFJ-1020C as tuner.

From the *DX News* archives

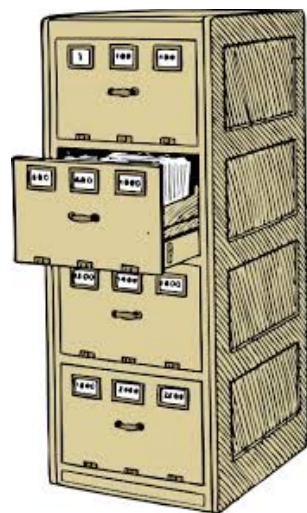
75 Years Ago – From the November 11, 1944 issue of *DX News*: Hank Wilkinson in Baltimore, Md. commented on how much better TA stations were coming in this year, with reception on Nov. 1 being particularly excellent. His technique is to tune slowly from 540 to 1500, rather than jumping around, particularly since lower frequencies faded out earlier at European sunrise than higher frequencies do.

50 Years Ago – From the November 8, 1969 issue of *DX News*: Russ Edmunds will be the new editor of DDXD, succeeding Randy Kane, who will take over the job of mailing *DX News* every week. Many DXers commented on the improved conditions; Dick Truax in Lexington, Ky. heard 60 new stations in October. In a project for the Association of North American Radio Clubs (ANARC), Gerry Dexter was soliciting volunteers to provide QSL cards for the Smithsonian which hoped to have a display of QSL cards, preferably from the 1920s and 1930s.

25 Years Ago – From the November 7, 1994 issue of *DX News*: The FCC announced 79 stations that would be allocated space on the new expanded band (1610-1700 kHz). Many of these stations did migrate to the X-band, but often to different frequencies from the initial allocation. David Yocis reported to DDXD and IDXD after rejoining the NRC after a 10-year hiatus.

10 Years Ago – From the November 9, 2009 issue of *DX News*: Neil Kazaross described a system for phasing BOGs (Beverages-on-ground antennas). From the November 16, 2009 issue of *DX News*: The *New York Times* reported on the hesitant move of AM stations in Europe to digital broadcasting. Shawn Axelrod's column covered all the different types of MW receiving antennas. Bruce Conti reported Albania off-frequency on 1457.81 kHz, pitting a loud het on Sunrise Radio-1458 until Albania's 2330 UTC sign-off.

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>.



Confirmed DXer

Phil Bytheway, 9705 Mary NW, Seattle WA 98117-2334, phil_tekno@yahoo.com

Report your verifications to the NRC eGroup and they will appear here, or send them directly to me at the above address. Next deadline: **01/11/20 1 PM PLT.** pb

- 774 ERTU **Egypt**, Al-Sharq al-Awsat, Abis. With my new soul mate in Cairo so readily sending me QSLs I decided to send a follow-up Email for my reception of ERTU 774 in October 5 2010, and it was back in one day by Email. Egypt #3. I save all my unanswered letters so it was a simple task to attach the original in my e-mail. I've had a few QSLs older than this, but a nine year wait on this one! Address is freqmeg@yahoo.com. NY, Phil. I also got the same QSL for 864 a week before for an e-report. I think I'll try this Email approach for a few more of these unanswered letters from Argentina, Euzkadi and Spain. (JR-NY)
- 900 KKRT **WA**, Wenatchee. Email for my reception of 10/31 in 1 day. V/s Gary Patrick, VP/Market Manager gary.patrick@alphamediausa.com. (pb-WA)

Phil Bytheway, Seattle WA (pb-WA)

Jim Renfrew, Clarendon NY (JR-NY – via NRC eGroup)

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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 121.

Bits and Bites from the NRC listserv

From: Stephen Ponder

Re: AM Radio History on a Podcast

I think podcasts are great. I think podcasts about history are outstanding. I think podcasts about history that are less than fifteen minutes long are awesome!!

I subscribe to one such podcast called "This Day in History." As its name suggests, it's a daily podcast highlighting an important historical event that happened on that day. I listen to my podcasts via TuneIn. It's also on iHeart Radio. I'm pretty sure it's available on Apple iTunes, too.

Today's podcast - October 18th - is about the invention by Texas Instruments of the first commercial transistor radio, the Regency TR-1, back in 1954. Give it a listen - it's only six minutes and twenty seconds long. Enjoy!!

From: Bill Whitacre, Alexandria, VA

Re: QH14 Lubec Maine DXpedition

I snuck in a short visit to Quoddy House in Lubec, Maine for some DX October 18 - 21. Still going through wav files but what I have so far is here: <http://realmonitor.com/qh14/>

Maybe this will be of some use to upcoming DX'peditions to PEI, LBI and Newfoundland.

Highlights of QH14 so far were; several TPs and a couple of DUs, TWR Sri Lanka on 882, Radio Tsentr from Latvia on 1602.15, Ethiopia on 1359 and Slovenia on 648. Good DX to all!

From: Mark Connelly, WA1ION

Re: QH14 Lubec Maine DXpedition

Outstanding report Bill, especially for such a short DX'pedition. 846 India, 882 Sri Lanka, the Aussies and East Asians ... certainly hard DX, some perhaps never heard before in this part of the US. Your logs and Roy's stuff concentrated more on low Africa and Latin America give the rest of us a bountiful target list for our own efforts.

Bill, was there anything from South America during your trip?

All I can say is that Newfie, PEI, NJ, and whatever else materializes in East Coast DX'peditions over the next few weeks should produce a bumper crop of interesting and, in some cases, All Time New One, logs.

From: Bill Whitacre, Alexandria, VA

Re: QH14 Lubec Maine DXpedition

For once Murphy was blessing rather than cursing me. ;-)

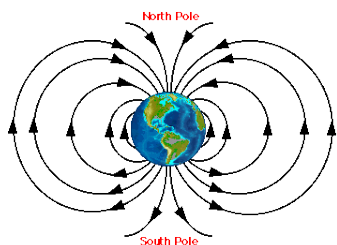
Have a couple of other logs at 0030utc on Oct. 21 that are probably India but I'm not keen to ID stuff based on music only ... even if there's not much else that would be playing South Asian music on 1287 or 1071.

I had only one antenna, a 160' DKAZ at 37 deg., so not much chance of LatAm stuff. No Cubans, woohoo! I did hear a 'Noti Uno' jingle and multi-station ID on 630 at one point but that's about it.

73 for this time, Shawn.

Remember On A Clear Day You Can Hear Forever





Geomagnetic Indices

Geomagnetic Summary October 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					
10/ 1	69	12	1	no storms	16	66	6	2	no storms
2	68	8	2	no storms	17	66	6	1	no storms
3	68	5	1	no storms	18	66	6	2	no storms
4	68	7	1	no storms	19	66	5	1	no storms
5	68	7	3	no storms	20	65	6	3	no storms
6	67	5	0	no storms	21	64	5	1	no storms
7	68	6	2	no storms	22	66	3	0	no storms
8	67	5	1	no storms	23	65	2	0	no storms
9	68	9	2	no storms	24	65	18	4	no storms
10	68	13	2	no storms	25	69	29	3	moderate, G2
11	69	8	2	no storms	26	69	25	4	minor, G1
12	68	5	1	no storms	27	69	15	3	no storms
13	67	2	0	no storms	28	69	11	2	no storms
14	66	6	1	no storms	29	69	8	1	no storms
15	67	5	2	no storms	9/30	70	9	2	no storms
					10/31	71	7	1	no storms

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

"**DEEP SOLAR MINIMUM:** Last year, the sun was blank (without sunspots) for 221 days. That marked 2018 as a year of deep Solar Minimum. This year is shaping up to be even deeper. As of today, the sun in 2019 also has been blank for **221 days** – and it's only October. 2019 is blowing past 2018 in the race to the bottom of the solar cycle, and by the end of the year could rank as the deepest Solar Minimum in a century."

SOLAR WIND SPARKS AURORAS IN THE USA: During the night of Oct. 24-25, geomagnetic activity increased to category G2--that is, moderately strong –as Earth moved deeper into a fast-moving stream of solar wind. At the peak of the G2-storm, auroras spilled across the US-Canadian border into Minnesota:

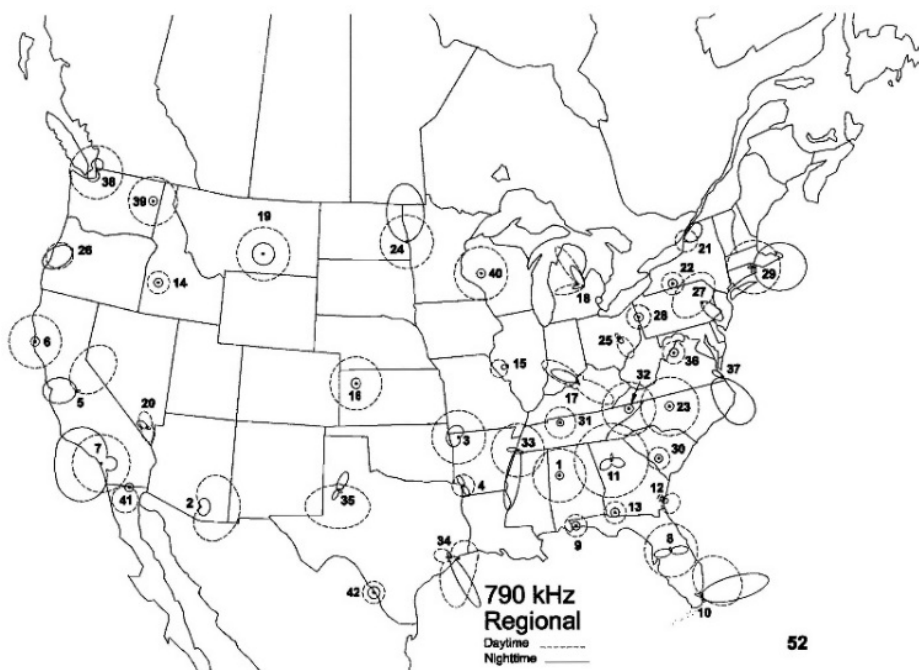
Colin Newell (via IRCA eGRoup)

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.



FCC Speeds Digital-Only AM Proposal Forward As Part of Revitalization Effort.

Inside Radio, Oct. 29, 2019
Via Bill Hale

A champion of AM revitalization for the past six years, Ajit Pai has used his authority to advance several ideas percolating inside the Federal Communications Commission since becoming the head of the agency in 2017. The latest lifeline proposal, however, hails from the ranks of radio and it has quickly won support from a large number of broadcasters. If approved by the FCC, it would allow owners to power down analog AM transmitters and leave just a digital-only signal as their replacement.

The proposal under consideration at the FCC wouldn't force any AM to remain a hybrid of analog and digital – or make the leap to an all-digital signal. "Because all-digital broadcasting would be on a voluntary basis, AM operators would be the ones deciding if transitioning is right for them," Pai wrote in a blog post. He said the Commission will be looking in the coming months for more information about such things as the interference potential of all-digital stations as well as addressing what the technical standards for all-digital AM stations should be.

Specifics of the FCC proposal will be released in the coming days. But Pai said he views what is being teed up as a way the Commission can do more to give AM stations as much "flexibility" as they can in order to compete in the digital age. He will bring the formal Notice of Proposed Rulemaking to a vote at the Commission's November 19 meeting.

The proposal was first submitted to the FCC for consideration last March by Bryan Broadcasting. Ben Downs, VP/GM of Bryan Broadcasting, told *Inside Radio* he's encouraged to see Pai move it forward.

"The FM translator rules were what most of us in small and medium sized markets needed to continue to compete. Properly engineered, these translators will provide service that covers our communities. But the spectrum is just too full for translators to help in the major markets," Down said in an email. "This will be an opportunity for an AM station that is competitively challenged to compete with music again."

While many ideas languish at the FCC, failing to ever gain industry support, the all-digital AM outline has quickly gained traction both inside the agency and among pivotal industry players including the National Association of Broadcasters. "We agree with Bryan that all-digital AM service will allow broadcasters to provide substantially improved sound quality," the NAB reiterated in a letter to the Commission last week. Digital radio developer Xperi, and several small and mid-sized radio groups also said all-digital AM should be explored. The California and Missouri state broadcast associations also went on record asking the FCC to advance the proposal.

The FCC had already been toying with the idea of allowing digital-only AM stations. The Media Bureau last year granted one-year experimental authority to conduct tests on all-digital using Hubbard Radio's adult alternative "The Gamut" WWFD Frederick, MD (820). That included testing to see how the switch to an all-digital signal impacts WWFD's coverage area. Nine all-digital AM tests were conducted between 2012 and 2014, spanning a variety of station types and geographic locations. "These experiments validated the successful performance of all-digital AM radio service," the NAB noted in its letter to the FCC.

David Layer, the NAB's VP of Advanced Engineering, has said the goal is to eventually switch over all stations to HD-only broadcasts when digital receiver penetration is high enough. But most broadcasters agree that day still lies in radio's future.

"All-digital (MA-3 mode) won't be the answer for every AM station," said Downs. "But it will be perfect for some stations that want to compete with a music format. And since every HD car radio ever sold is capable of receiving these signals, there are now 60 million radios owned by potential listeners. And that can't hurt."

In addition to a digital-only AM proposal, Pai also said Monday that the Commission will begin examining the 1992 rules that put limits on the amount of simulcasting commonly-owned radio stations in a market can air. Pai said they'll look at whether the rules should be modified or eliminated outright. He said since the rules were adopted nearly three decades ago, the number of commercial radio stations has rapidly grown, and many stations are now simulcasting on mobile apps and websites. "With so much more competition and program diversity, which were the objectives of the radio duplication rule, we are seeking comment on whether the rule is still necessary and whether it should be modified or eliminated," said Pai.

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

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