

# DX News

Serving DXers since 1933



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## Inside this issue . . .

2 ... AM Switch	10 ... Musings of the Members	16 ... International DX Digest
6 ... From the Archives	11 ... Domestic DX Digest East	22 ... Kona (HI) DXPedition
7 ... Domestic DX Digest West	15 ... Geomagnetic Indices	27 ... NRC Club Info Page

**From the Publisher:** Just one more issue on the 2-week schedule, then we'll go to every 3 weeks through the spring. Still lots of good DX to be heard over the next weeks.

And yes, we're still hoping for a DDXD West editor! Producing the column is actually fairly easy if you have any word processing software at all – the formatting is done here at this end. The main value added by the editor is proofreading, not just that the calls/CoL are right but also making sure the formatting, punctuation, etc. are there, and of course adding the perspective of an active DXer in the region.

**TWR Bonaire:** Lots of folks hearing the new 450 kW transmitter for TWR Bonaire on 800 kHz. Schedule (per WRTH via Glenn Hauser's DXLD) is 2130-1000 UTC, all in Spanish except English 2300-2400 and Portuguese 0800-1000. IDs as "Shine 800 AM" in English and "Que Brille 800 AM" in Spanish.

**The NRC's New Internet Home:** Don't forget the new NRC internet address has been updated to [www.nationalradioclub.org](http://www.nationalradioclub.org). Lots of content here, and you can join or renew your membership, order publications online, and check out all the other features of the site. This doesn't replace [www.e-dxn.com](http://www.e-dxn.com), which is still your source for the electronic version of *DX News* and other members-only content.

**From NRC Publications:** Due to recent postage rate increases, the cost of the *AM Log* sent to Canadian and overseas locations has increased. No change for shipping to U.S. addresses. See page 6 for ordering information and the current pricing schedule.

As previously announced, the 7th edition of the *Pattern Book* is sold out; a date for the 8th edition is to be announced. In addition, we have also sold the last copies of the final edition of the late Dr. Bruce Elving's *FM Atlas*.

**[NRC-AM]:** To be added to the newly moved [NRC-AM] Google Group listserv, moderated by Russ Edmunds, just e-mail Wayne Heinen at his new address [amlog@nationalradioclub.org](mailto:amlog@nationalradioclub.org) from the email that you wish to subscribe to the list with and he'll get you added.

**Interim AM Switch:** Just a reminder that we almost always have an Interim AM Switch

column posted to e-DXN.com every Friday or Saturday when *DX News* is not published. (Last weekend was an exception – sorry!)

**Convention:** We still don't have a convention host for 2018. If you have any interest in considering whether to make a bid to host the convention next year, please contact Ernie Wesolowski at [NEErnieW@yahoo.com](mailto:NEErnieW@yahoo.com) or 13312 Westwood Lane, Omaha, NE 68144-3543. Ernie will give you all the information you need as to what is involved in hosting a convention.

**IRCA Convention:** IRCA will hold its 2018 convention in St. Charles, MO, at the Best Western Plus Charles Inn, September 7-8. Registration fee is \$25. For more info, contact Ken Hawkins, [stlouisherdfan@gmail.com](mailto:stlouisherdfan@gmail.com)

### Volume 85 DX News Schedule

No	D'dline	Print	16	May 25	June 4
12	Feb. 23	Mar. 5	17	June 22	July 2
13	Mar. 16	Mar. 26	18	July 20	July 30
14	Apr. 6	Apr. 16	19	Aug. 17	Aug. 27
15	Apr. 27	May 7	20	Sept. 7	Sept. 17

### Membership Report

"I've been an NRC member for 25 years now and enjoy it as much as ever." – Stan Weisbeck

"Year 45." – Greg Hardison

"Great to renew for my 64th year in the NRC. Keep up the good work." – John Sampson

**New Members:** Welcome to Douglas Copeland, Winnipeg, MB.

**Rejoining Member:** Welcome back to Christopher Ratzler, Austria; and John Schneider, Wilmington, NC.

**Renewing Members:** Thanks for the ongoing support of Richard Allen; Robert M. Berglund; Jeffrey Daniels; Joseph Del Giudice; William Feidt; Stephen Francis; Steve Geary; David Gleason; Gregory S. Hardison; Vincent Henley; John C Herkimer; Dan Hromadka; Ray Jacobs; Robert N. La Vigne; David N. Lewis; Jefferson E. Lewis; John J. Long; Ralph Martin; Brian Miller; Forest Osborn; Denis Picard; Greg Putrich; John Sampson; Edward J. Semrad; William D. Swiger; Jonathan Watson; Wally Wawro; Stan Weisbeck; Leslie Wood; and Philip Zmenkowski.

# AM Switch

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Canadian info – Compiled by Shawn Axelrod and Dan Sys

NRC AM Log updates from Wayne Heinen, [amlog@nationalradioclub.org](mailto:amlog@nationalradioclub.org)

## CALL CHANGES

- 1050 WADC WV Parkersburg – Call change to WLYQ (Jan. 31).  
1420 WATB GA Decatur – Call change to WWSZ (Jan. 30).  
1600 WBKI KY Eminence – Call change (back) to WKYI (Feb. 8).



## NEW STATION WATCH

- 600 New BC Vancouver – Applies to amend CP to U4 50000/20000 (from 10000/10000), change site to co-locate with CKNW-980.

## CONSTRUCTION PERMITS (CPs) FOR EXISTING STATIONS

CPs fully licensed and on the air:

- 640 WMFN IL Peotone – CP for U4 4400/1600, new site 41-19-04/87-50-07, ex-COL Zeeland MI, is on the air.  
990 WMYM FL Kendall – CP for U4 7500/5000, new site 25-37-35/80-31-16; ex-COL Miami FL, is on the air.  
WWKY KY Winchester – CP for U1 350/20, new site 38-00-50/84-09-16, ex-980 kHz, ex-CoL London KY, is on the air.  
1040 WURN FL Miami – CP with U4 50000/5000, new site 25-50-34/80-25-12, ex-COL Boynton Beach FL, is on the air.  
1270 WBOJ GA Columbus – CP with U1 5000/237, new site 32-27-54/85-01-22, is on the air.  
1420 WRCG GA Columbus – CP with U1 5000/86, new site 32-27-54/85-01-22, is on the air.  
1490 KCFC CO Boulder – CP with U1 290/290, new site 39-57-53/105-14-07, is on the air.

CPs built, awaiting final licensing:

- 1570 KVAM CO Loveland – Applies for license to cover CP with U1 1000/40, new site 40-29-36/105-10-53.

CPs granted:

- 600 CBNA NL St. Antony – Granted CP to move to 100.3 MHz FM.  
690 CBU BC Vancouver – Granted CP with U3(?) 25000/25000.  
CBOI ON Ear Falls – LPRT granted CP to move to 95.5 MHz FM.  
950 WKDN PA Philadelphia – Granted CP with U4 43000/650, all at current day site.  
1100 CBSI-5 QC Natashquan – LPRT granted CP to move to 99.9 MHz FM.  
1360 WQVN FL North Miami – Granted CP with U1 9300/400, new site 25-50-22/80-11-23.  
1660 KWOD KS Kansas City – Granted CP with new site 39-04-19/94-40-58.

Amendment to CP granted:

- 1550 WNTN MA Newton – Had CP for U1 750/3, CoL to Cambridge MA, new site 42-23-13/71-08-21 (tower of WJIB-740); granted amendment to U1 6700/3, CoL will stay Newton, but still from WJIB-740 tower.

Applications for CPs filed:

- 850 WKVL TN Knoxville – Applies for CP with D1 1000, CoL to Maryville TN, using WGAP-1400 tower at 35-45-40/83-58-57.  
1410 KQV PA Pittsburgh – Applies for CP with U1 5000/75, using WEDO-810 tower at 40-21-51/79-48-46.  
1580 KCHA IA Charles City – Applies for CP with U1 490/10, correct coordinates to 43-03-12/92-40-14.



## SPECIAL TEMPORARY AUTHORITY (STA)

STAs granted:

- 630 KIDD CA Monterey – Granted STA, reduced power, damage from high waves.  
1080 WKJK KY Louisville – Granted STA, night parameters at variance, switching problem.  
1240 KNRY CA Monterey – Granted STA, reduced power, damage from high waves.  
1440 WPRD FL Winter Park – Granted STA, U1 5000/250, pattern switching failure.

## Extensions to existing STAs granted:

610	WXVA	VA	Winchester	– Granted STA extension, U1 380/125 from day site.
660	WXQW	AL	Fairhope	– Granted STA extension, U1 10000/19 or night params at variance.
670	KPUA	HI	Hilo	– Granted STA extension, reduced power.
790	WAEB	PA	Allentown	– Granted STA extension, U5 3600/375 or night params at variance.
830	KFLT	AZ	Tucson	– Granted STA extension, reduced day power.
960	KALE	WA	Richland	– Granted STA extension, parameters at variance.
980	WOFX	NY	Troy	– Granted STA extension, night parameters at variance.
	KTCR	WA	Selah	– Granted STA extension, U1 1000/125 from KRSE-105.7 tower.
1030	WOSO	PR	San Juan	– Granted STA extension, D1 300, unipole at 18-26-55/66-04-37.
1080	KWAI	HI	Honolulu	– Granted STA extension, minor parameters at variance.
1110	KBND	OR	Bend	– Granted STA extension, U1 10000/1000.
1150	KGDD	OR	Portland	– Granted STA extension, U1 10/10, whip at 45-31-09/122-36-32.
1300	WIBR	LA	Baton Rouge	– Granted STA extension, U1 300/11 from WXOK-1460 tower.
	WTIL	PR	Mayaguez	– Granted STA extension, U1 1000/1000 from CP tower/site.
1320	WOBL	OH	Oberlin	– Granted STA extension, parameters at variance.
1330	WINT	OH	Willoughby	– Granted STA extension, U1 125/11 or experimental antenna.
1390	WFHT	FL	Avon Park	– Granted STA extension, reduced power.
	KBBO	WA	Yakima	– Granted STA extension, parameters at variance.
1490	KBSR	MT	Laurel	– Granted STA extension, U1 20/20, longwire at 45-43-34/108-36-35.
1520	WINW	OH	Canton	– Granted STA extension, D1 250, temp. antenna at 40-48-32/81-22-35.
	KOKC	OK	Oklahoma City	– Granted STA extension, U1 10000/10000, 35-20-01/97-30-18.
1540	KXPA	WA	Bellevue	– Granted STA extension, U1 5000/1250.
1580	KQFN	AZ	Tempe	– Granted STA extension, D1 10000 from KXEG-1280 tower.
1590	WFTH	VA	Richmond	– Granted STA extension, reduced tower height.
1600	WLXE	MD	Rockville	– Granted STA extension, U1 1000/125.

## Applications to extend existing STAs received:

750	KOAL	UT	Price	– Applies to extend STA, minor parameter at variance.
790	WMC	TN	Memphis	– Applies to extend STA, U1 5000/1250 or night params. at variance.
960	WHYL	PA	Carlisle	– Applies to extend STA, U1 1300/27 from WCAT-FM-102.3 tower.
1070	KFTI	KS	Wichita	– Applies to extend STA, U1 10000/250.
1230	KYQT	OR	Burns	– Applies to extend STA, U1 60/60, temporary longwire.
1260	WSHU	CT	Westport	– Applies to extend STA, U1 250/2, temporary longwire.
1360	KWWJ	TX	Baytown	– Applies to extend STA, minor parameters at variance.
	WHBG	VA	Harrisonburg	– Applies to extend STA, U1 500/9 from WSVA-550 tower.
1530	WJDM	NJ	Elizabeth	– Applies to extend STA, D1 250 from 40-50-58/74-11-02.
1560	KGOW	TX	Bellaire	– Applies to extend STA, night operations from day site.
1570	KVAM	CO	Loveland	– Applies to extend STA, D1 90, temporary longwire.
1580	WLAA	FL	Bithlo	– Applies to extend STA, D1 2500.

SILENT STATIONS

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

1040	WNVI	PR	Moca	– Silent Sept. 20 (2017), back on the air Feb. 3.
1270	WMLC	MS	Monticello	– Silent Feb. 21 (2017), back on the air Feb. 5.
1280	WSUX	DE	Seaford	– Silent Nov. 7 (2017), back on the air Feb. 1.
1480	KPHX	AZ	Phoenix	– Silent June 30 (2017), back on the air with STA Jan. 28.
1570	WFTU	NY	Riverhead	– Silent Jan. 27 (2017), back on the air Jan. 25.



## Stations informing the FCC that they are silent:

990	WRFM	IN	Muncie	– Silent Jan. 7, has lost access to STA site.
1080	KCNM	MP	Saipan	– Silent Nov. 8 (2017), tower damaged in Typhoon Soudelor.
1140	WMMG	KY	Brandenburg	– Silent Feb. 2, transmitter needs replacement.
1170	WLBH	IL	Mattoon	– Silent, no details.
1180	WVLZ	TN	Knoxville	– Silent Jan. 31, technical problems, awaiting sale.
1350	WEGA	PR	Vega Baja	– Silent Nov. 20 (2017), generator was stolen.
1450	WZGX	AL	Bessemer	– Silent Jan. 18, fire in transmitter building.
1520	WTHE	NY	Mineola	– Silent Jan. 25, evicted from transmission site.

COORDINATE CORRECTION

750	KOAL	UT	Price	– CP to correct coordinates to 39-34-01/110-48-02 is on the air.
1230	WXCO	WI	Wausau	– CP to correct coordinates to 44-58-29/89-36-45 is on the air.

## NRC AM Log Updates

600	WREC	TN	Memphis – Adds // W221CR-92.1. (FCC)
620	WZON	ME	Bangor – Format to OLD (ex-TLK); slogan to “Z-62,” networks to C/PRN.
640	WVLG	FL	Wildwood – Adds // W274BR-102.7. (FCC)
650	KMTI	UT	Manti – Slogan to “650 Country.”
760	WLCC	FL	Brandon – Adds // W282CI-104.3. (FCC)
790	KBET	NV	Winchester – Adds // K238AK-95.5.
810	KGO	CA	San Francisco – Networks to A/BNN/C2C.
	WRSO	FL	Orlovista – Slogan & Group to Grp=Your Brazilian Radio.
820	WWBA	FL	Largo – Slogan to “NewsTalk Florida,” adds // W252DF-98.3.
850	WYLF	NY	Penn Yan – Format to NOS/OLD (ex-NOS). (SK)
	KHHO	WA	Tacoma – Format to TLK (ex-SPT); slogan to “South Sound Talk 850,” networks to P/CMP/Ns/C2C/BRR.
880	WRFD	OH	Columbus-Worthington – Slogan to “AM 880 104.5 FM The Word.”
900	WILC	MD	Laurel – Format to SS:AC (ex-SS:Romántica); slogan to “America 900.”
	KTIS	MN	Minneapolis – Networks to SRN. (JJR)
910	KPOF	CO	Denver – Adds // K284BY-104.7. (FCC)
	WOLI	SC	Spartanburg – Format to SS:SPT (ex-SS:MEX); networks to UDR.
920	WGHQ	NY	Kingston – Slogan & Group to Grp=Real Country Hudson Valley (ex-Grp=Real Country 1260/1420).
960	WHYL	PA	Carlisle – Networks to WW1. (SK)
970	WRHA	TN	Spring City – Format to C&W (ex-CLR); slogan to “River Country 101.1,” adds // W266DE-101.1. (FCC)
980	WTEM	DC	Washington – Slogan to “The Team 980.”
	WKLY	GA	Hartwell – Slogan to “Lake Hartwells’s Radio Home.”
1020	WLJV	FL	Kendall – Format to SS:NWS/TLK (ex-Silent); slogan “Radio Actualidad 1040.”
1030	WNOW	NC	Mint Hill – Format to SS:SPT (ex-SS:MEX); drop slogan; networks to UDR.
1040	WSGH	NC	Lewisville – Format to SS:SPT (ex-SS:MEX); networks to UDR, delete Grp=Activa.
1050	WLYQ	WV	Parkersburg – Format to C&W (ex-NOS); slogan to “Willie 1050.”
1080	WALD	SC	Johnsonville – Adds // WEAJ-1130.
1090	KFNQ	WA	Seattle – Slogan to “1090 KJR,” networks to FSR/CS/Jr.
1110	WSLV	TN	Ardmore – Slogan to “Your Country,” “Cat Country.”
1120	WKQW	PA	Oil City – Slogan to “1120 Fox Sports,” networks to FSR/MRN.
1130	WEAF	SC	Camden – Adds // WALD-1080.
1150	KNRV	CO	Englewood – Adds // K241CP-96.1. (FCC)
	WMNY	PA	New Kensington – Format to Hindu (ex-Reported Silent). (JM via BH)
	WHBY	WI	Kimberly – Networks to C/Wi/TRN/WW1/BTR/C2C.
1160	WYDU	NC	Red Springs – Networks to Nc. (TK)
1220	KLDC	CO	Denver – Format to REL (ex-TLK/REL); slogan to “Serving God & Country.”
	WSRQ	FL	Sarasota – Delete // W252DF-98.3.
1230	KADA	OK	Ada – Format to Rock (ex-SPT); slogan to “Pirate Radio 102.3,” adds // K241BM-96.1; drop nets, delete Grp= The Ref.
1240	WIAN	MI	Ishpeming –Reported Silent. (JJR)
	KQEN	OR	Roseburg – Slogan to “News Radio 1240.”
1250	WRAY	IN	Princeton – Slogan to “NewsTalk for the TriState.”
1260	WBNR	NY	Beacon – Slogan & Group to Grp=Real Country Hudson Valley (ex-Grp= Real Country 1260/1420).
1320	WDMJ	MI	Marquette – Networks to A/JBo/DR/CMP/C2C. (JJR)
1340	WOKS	GA	Columbus – Slogan to “Voice of the Community,” adds // W243CE-97.5.
	WAML	MS	Collins – Format to UC:GOS (ex-GOS).
	KHUB	NE	Fremont – Format to C&W (ex-CLR:TLK); slogan “The New Big Dog, 98.9 and 1340, for Hometown Country,” networks to C/Ne; adds // K255DF-98.9. (RD)
1380	WWNT	NC	Winston-Salem – Format to SS:SPT (ex-SS:MEX); networks to UDR, delete Grp= Activa.
	KQKD	SD	Redfield – Format to VAR (ex-REL); delete slogan and networks.
1400	KSPT	ID	Sandpoint – Slogan & Group to Grp=Talk Radio 1450 & 1400.
	WGIL	IL	Galesburg – Format to NWS/TLK/SPT (ex-TLK/SPT); networks to Fox/Il/JBo/WW1/SRN/Ru/FSR.
	KREF	OK	Norman – Slogan to “The Ref,” adds // K253AY-98.5; delete Grp= The Ref.



	KBYG	TX	Big Spring – Adds // K292FE-106.3.
	KGVL	TX	Greenville – Slogan to “Texas Country.”
	WINC	VA	Winchester – Slogan “News Talk AM 1400 & 104.9 FM,” adds // WZFC-104.9.
1420	WLNA	NY	Peekskill – Slogan & Group to Grp=Real Country Hudson Valley (ex-Grp=Real Country 1260/1420).
1440	KODL	OR	The Dalles – Adds // K263BT-100.5. (FCC)
1450	KBFI	ID	Bonnors Ferry – Slogan & Group to Grp=Talk Radio 1450 & 1400.
	KNSI	MN	Saint Cloud – Adds // K257GK-99.3; drops // K277BS-103.3.
	WLAJ	TN	La Follette – Adds // W265BQ-100.9. (FCC)
1460	WBUC	WV	Buckhannon – Format to C&W (ex-NWS/TLK/NOS); slogan to “The River 93.1,” adds // WFGM-FM-93.1, drops networks.
1470	WWBG	NC	Greensboro – Format to SS:SPT (ex-SS:MEX); networks to UDR, delete Grp=Activa.
	WNYN	NY	Ithaca – Drops networks. (SK)
1490	KRSN	NM	Los Alamos – Adds // K296GI-107.1. (FCC)
1510	WWSM	PA	Annville-Cleona – Slogan to “Real Country – Home of the Legends.”
	WRRD	WI	Waukesha – Slogan to “News Talk 1510,” “Resistance Radio.” (TN)
1560	KKAA	SD	Aberdeen – Format to C&W/Farm (ex-Silent) // KQLX-890 et al; drops nets. (JW & JJR) ( <i>Believed to be testing. – wh</i> )
	WGLB	WI	Elm Grove – Adds // W241CI-96.1
1570	WFLR	NY	Dundee – Group to Grp=Finger Lakes Country (ex-Grp=Country 96.9 & 1570).
1580	WLAA	FL	Bithlo – Format to SS:MEX (ex-UC:OLD); slogan to “La Grande.”
1600	WNTF	FL	Winter Garden – Format to UC:OLD/TLK (ex-SS:MEX); slogan to “Urban Talk Radio.”
	KOKE	TX	Pflugerville – Format to Tejano (ex-SS:MEX); slogan to “Tejano 1600.”

### New Groups

Grp= Talk Radio 1450 & 1400 – KBFI-1450, KSPT-1400, K287BT-105.3

Grp= Your Brazilian Radio – WRSO-810, W250CE-97.9, W226BT-93.1

### Group Update

Grp= Boulder Community Radio – Adds K256CT-99.1 Denver

Grp= Colorado Public Radio – Adds K270CM-101.9 Pueblo and K292GW-106.3 Boulder

### Group Name Changes

Grp= Country 96.9 & 1570 – becomes Finger Lakes Country

Grp= Real Country 1260/1420 – becomes Grp= Real Country Hudson Valley

### Deleted Groups

Grp= Activa

Grp= The Ref

### From Radio Insight

The FCC has designated Birach Broadcasting’s 1450 WBVA Bayside and 1550 WVAB Virginia Beach for a license renewal hearing. Since Birach acquired WBVA and WVAB in 2008, both stations have been off the air most of the time as the stations lost their former facility due to vandalism in March 2008. From a term running from when Birach closed on its purchase on 4/1/08 through 11/30/17 WBVA operated for a total of 66 days from a temporary facility with 30 watts. WVAB has been on for 357 days during that same period with a 6 watt STA. The stations both applied for a new permanent facility in 2013 but their Construction Permits expired unbuilt. In hearings like this the burden of proof is on Birach to tell the commission why it should be granted renewals of its licenses. The licensee must prove that the stations served the public interest, convenience, and necessity; whether there have been violations of the FCC rules; and whether the renewals should be granted.

One month after taking News 1410 KQV Pittsburgh silent, Calvary Inc. has agreed to sell some of the station’s assets to Bob & Ashley Stevens’ Broadcast Communications Inc. Broadcast Communications will acquire the KQV license and all equipment and documents connected to the operation of the station for \$55,000. As the station’s current tower site will not be included in the sale, an application will be filed to diplex KQV on the tower of the buyer’s 810 WEDO McKeesport. Broadcast Communications owns Talk/Oldies 620 WKHB Irwin, Talk/Oldies 770 WKFB Jeannette, Brokored Ethnic 810 WEDO McKeesport, AC 1570 WQTW Latrobe, Classic Rock 103.1 WKVE



Mount Pleasant, and AC 103.9 WKHB-FM Scottsdale in the Pittsburgh market as well as additional stations in Southwestern Pennsylvania and Western Maryland.

Thanks to Shawn Axelrod, Bill Hale (BH), FCC Database (FCC) John Wilkins (JW), Terry Krueger (TK), John J Rieger, Rick Dau (RD), Tim Noonan (TN), Steve Kennedy (SK), John Malicky (JM).

## AM Radio Log 38th Edition Now Available

The 38th edition of the Log contains more than 300 pages of data and cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched, U.S. loose leaf format. 9,000+ updates since last year's 37th Edition of the log! Order by snail mail by check or money order in U.S. funds to National Radio Club, P.O. Box 473251, Aurora, CO 80047-3251 or order using your Pay Pal account at <http://www.nrcdxas.org>.

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## MEMBERSHIP RENEWALS

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

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

*Compiled by Ron Schiller.*

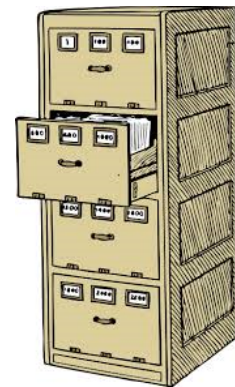
**75 Years Ago** – From the February 9, 1943 issue of *DX News*: (75) From the February 9, 1943 issue of *DX News*: Five Ontario & Quebec, Canadian graveyard stations are on the NRC DX Calendar. CHPS-1450 & CHOV-1340 ON and CKVD-1230, CHAD-1340, & CKRN-1400 PQ. WNOE-1450 LA will signoff their AN sked to provide a clear channel for CHPS! PA's Warren Routzahn says 1240 is also clear on First Monday Mornings. Eugene Francis of Detroit thinks KGFX SD is the most difficult "K" station to be heard. Fred Van Voorhees in KC, MO needs Nevada to complete his verifying all 48 states. He also has Missouri "complete."

**50 Years Ago** – From the February 6, 1968 issue of *DX News*: Stewart Drake (PA), on the subject of poor reception reports became the devil's advocate by suggesting that we teach station personnel the correct way to QSL a report! Eric Floden (ON-CAN) learned of NRC from the 1965 Communications Handbook, whatever that was?! Charles Hutton sent in his first report from Atlanta. His best catch is Radio Itatiaia-630 in Brazil. Roy Millar (WA) marvelled at his noon reception of KGBS-1020 CA, over 900 miles away! John Sampson logged in from Cupertino, CA where he heard my local GY station KDXU-1450 St George, UT among many other good catches.

**25 Years Ago** – From the February 8, 1993 issue of *DX News*: Among the reporters to Domestic DX Achievements were Ray Arruda-MA, Ron Musco-CT, Steve Francis-TN, & Shawn Axelrod-MB,CAN. The latter wrote a comprehensive article on selecting a site for a DXpedition. Topics included were distance, accessibility, power, antennas, privacy, camping, facilities, & other factors. Great reference! NRC has for sale "Latin America on the Air": 60 minutes of air checks from LA, the Caribbean, & SA for \$7.50. Shawn logged his 45th state-NH via the WNTK-1020 test.

**10 Years Ago** – From the February 11, 2008 issue of *DX News*: Doug Allen of Inman, SC reported seldom heard XEFC-1090 Merida "La Voz de Yucatan." Eric Hopkins-MA logged WDHP-1620 St Croix, USVI on his Sony Walkman! DXped #19 to Cappahayden, Newfoundland was pictured & detailed. Included in the 2007 trek were Jean Burnell, Jim Renfrew & Saul Chernos. Highlights were Faroe Islands-531, Angola-945, Qatar-954, Moldova-999/1413, Russia-1143, Kaliningrad-1215/1386, Armenia-1314, Djibouti-1431, Luxembourg-1440, Corsica-1494, Jordan-1494, India-1566, Ceuta-1584, Greenland 570/720!

Ron Schiller, St. George UT – NRC Member since 1952 (off and on). Send any comments, criticisms, or suggestions to me at [rschiller28@gmail.com](mailto:rschiller28@gmail.com).



# Domestic DX Digest – West

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

All times are Eastern Local Time (ELT)

## REPORTERS

- GH-OK** **Glenn Hauser, Enid** – Mostly DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside randomwire N-S; Nissan stock caradio as specified; IC-R75 with E-W longwire.
- JEL-MO** **J.E. Lewis, Kansas City** – Honda Odyssey car radio.
- JN-TX** **James Niven, Cedar Creek** – ELAD S2 and Drake R8 with Antennas as DKAZ (East & South) 140-foot x 23 high, (2) EWE's 1 East and 1 West 100x15ft and 150-foot Long wire.
- JJR-MI** **John J. Rieger, South Milwaukee WI** – Sangean ATS-909X stock, Grundig Satellit, Terk AM1000 loop.
- RV-TX** **Robert Vance, El Paso** – WinRadio G33DDC, various indoor and outdoor loop antennas.
- JW-CO** **John Wilkins, Wheat Ridge** – Drake R-8, 4-foot box loop.

## DX LOGGINGS

- 570 **WMAM WI** **Marinette** – 2/2 0713 – Poor, steady. Brewers, Packers, Badgers sports talk. Not common. **(JJR-WI)**
- 610 **KDAL MN** **Duluth** – 1/31 0812 – Poor, East Central Energy ad, news, time, “KDAL 610, 103.9,” alone. **(JJR-WI)**
- KCSR NE** **Chadron** – 2/5 0759 – Star-Spangled Banner, then man with ID: “Weather, sports, markets 24 hours a day, we’re AM 610 KCSR Chadron” and into CBS news. Fair in QRM. **(JW-CO)**
- 730 **WJMT WI** **Merrill** – 1/31 0808 – Very poor, “in the Lincoln County jail ... in Merrill,” with others. **(JJR-WI)**
- 740 **KCBS CA** **San Francisco** – 2/4 2030 – Bay area ads; ID by man: “All news all the time ... all new 106-9, AM 740 KCBS,” then woman with news, beginning with Super Bowl update (in progress). Fair in QRM. **(JW-CO)**
- 750 **KOAL UT** **Price** – 2/4 0759 – Singing jingle about radio, then male says “Serving eastern Utah for over 80 years, 107-3 FM, KOAL 750 AM Price,” at fair level. Relog. **(JN-TX)**
- 800 **CKLW ON** **Windsor** – 1/31 0138 – String of promos with only the very unhelpful non-IDs as “AM 800,” but one has a 519 area code, which checks to Windsor, then back to Coast to Coast AM. Not hard to get this past KQCV-OK at right angle. **(GH-OK)**
- ++ 2/8 2210-2213 – Poor to fair under very weak unID and WHB-810 splatter with Lynn Martin call-in show, call letters, area code 519, asking people to call in relating to “very personal” issue. **(JEL-MO)**
- 830 **WUMY TN** **Memphis** - 2/2 0706 – Poor in tight WCCO null, “99-3 Guess FM,” Hard Days Night by the Beatles. **(JJR-WI)**
- 840 **WHAS KY** **Louisville** – 1/31 0751 – Traffic, YMCA ad, weather (“the WLKY forecast”), ad for Belterra Casino. Fair signal. **(JW-CO)**
- KTIC NE** **West Point** – 1/28 0903 – With ID “This is your station for Real Country, farm info, weather, and news, 840 KTIC West Point, heard locally on Classic Country 98.3 FM. Depend on us.” Then into ABC news, fade by 0906. Faded back in around 0911 with more C&W music and a promo for their “Afternoon Roundup” program, stayed until 0918. Greyline catch if one ever was. **(RV-TX)**
- KJFA NM** **Belen** – 1/28 0918 – Regional Mexican music and “La Jefa 102.9” slogan at 0920. Ex-KARS. **(RV-TX)**
- KVJY TX** **Pharr** – 1/28 0800 – SS station was initially prevalent with baladas and norteños, “Aleluya” slogans, traffic report, other talk by man with rooster crows, several mentions of “La Casita Musical” (maybe program name), fade to less prevalent at 0824. Announcement at 0858 mentioning this station is a new addition to the Radio Aleluya family, legal ID 0859, back into music. **(RV-TX)**



- ++ 2/8 0759 – Multi-station ID for the Radio Aleluya network; the last station on the list was KVJY and sounded like it had been recently added; SS religious programming followed. Poor signal. **(JW-CO)**
- 860 KTRB CA **San Francisco** – 2/4 0859 – ID at TOH “KTRB in San Francisco,” then into a talk program of some sort, in the XEZOL remnant phasing distortion. **(RV-TX)**
- KONO TX **San Antonio** – 2/4 0815 – OLD (60s-70s CHR) music at fadeup, ID 0817 followed by local ads, Big 86 radio app promo, back into music. **(RV-TX)**
- 920 CFRY MB **Portage la Prairie** – 2/2 0735 – Poor with local WOKY easily nulled, minus 17 degrees at CFRY, CFRY jingle. **(JJR-WI)**
- 930 WTAD IL **Quincy** – 1/28 0700 – Noted in the TOH jumble with ID by male as “... This is Talk Radio 930 WTAD Quincy ....” Fair signal. New. **(JN-TX)**
- ++ 1/31 0704 – Poor to fadeout, Fox news, ads for Culligan, Menards, (?) Fitness, another ad, weather, finally “WTAD.” Despite closeness, WBEN or WKBM way more common. **(JJR-WI)**
- KMPT MT **East Missoula** – 2/4 1959 – Ad mentioning website landofliberty.org; ID at ToH: “This is The Patriot ... 930 AM KMPT”; then disappeared a few seconds later, presumably the sunset power cut. Fair with not much QRM up to that point. **(JW-CO)**
- 940 WCPC MS **Houston** – 1/31 0800 – Poor, “WCPC AM 940 Houston” clearly cut through others. **(JJR-WI)**
- 950 KXJK AR **Forest City** – 1/29 0459 – Noted in the jumble, male saying “... hear Coast to Coast seven nights a week on Hometown Radio AM 950, FM 106.5 KX ...,” last part of call letters cut off by ABC News sounder. Fair level, new. **(JN-TX)**
- 960.05 KNDN NM **Farmington** – 2/5 0843 – ID by man: “960 AM is all Navajo all the time, KNDN Farmington, New Mexico”; this was followed by an ad (in English) for Si Senor Restaurant, followed by a couple of C&W songs (in English, of course); so much for being “all Navajo.” Fair/good on USB on this frequency that they adopted years ago. **(JW-CO)**
- 1000 KOMO WA **Seattle** – 2/4 2020 – News and features, traffic and weather at 2024 “on the fours,” frequent ID’s as “Como” and “Como News.” Fair/good and QRM-free for a few minutes. **(JW-CO)**
- 1030 KCWJ MO **Blue Springs** – 2/5 1959 – Final moments of the “Lees Summit North Broncos edition of the Sonic Locker Room Show”; ID as “Real Country KCWJ” and into a sports program from the Jayhawk Sports Network. Fair in KTWO null. **(JW-CO)**
- 1040 WPBS GA **Conyers** – 2/2 0733 – Poor, steady with WHO nulled, assumed with Chinese programming. **(JJR-WI)**
- CKST BC **Vancouver** – 2/2 0704 – Presumed, poor-steady, ESPN, “cold in Minneapolis” for game. Only fit for ESPN. **(JJR-WI)**
- 1050 KCAA CA **Loma Linda** – 1/27 0606 – In and out with TLK, local ad for Tri-Cities Shopping Center at 0612, app promo at 0613, announced 1050 AM, 106.5 FM, and 102.3 FM. Would fade in at times, but not there most of the time. **(RV-TX)**
- 1100 WZFG MN **Dilworth** – 2/2 0847 – Fargo ads (Dilworth is a suburb of Fargo/Moorhead); back to the “Need to Know” program at 0848 “... on AM 1100 The Flag WZFG.” Fair/good signal. **(JW-CO)**
- 1110 WKQA VA **Norfolk** – 2/2 0700 – Poor, no KFAB! Sign-on, mention serving Virginia and North Carolina, 50,000 watts. Logged as WCKO in 2002. **(JJR-WI)**
- 1130 WBBR NY **New York** – 2/2 0659 – Fair @80/9 with local WISN nulled easily, traffic, LID, “Bloomberg 11-3-Oh.” **(JJR-WI)**
- 1140 KXRB SD **Sioux Falls** – 1/27 1759 – Ad for Fort Randall Casino; weather forecast; FM/AM legal ID at 1802: “Real Country variety, the new 100.1 KXRB-FM Brandon, and on 1140 AM KXRB Sioux Falls, making Country great again,” and into C&W music. Fair/good signal. **(JW-CO)**
- 1160 KSL UT **Salt Lake City** – 2/8 2214 – Good to excellent and way over local KCTO, with discussion of Brigham Young basketball. **(JEL-MO)**
- 1180 WGUE AR **Turrell** – 2/2 0730 – Fair @50/9, “99-3 Guess FM, Memphis’ Greatest Hits.” No WHAM! **(JJR-WI)**
- KLPF TX **Midland** – 1/27 1858 – Catholic Radio programming, mixed with Rebelde, ID by male as “You’re listening to KLPF Midland-Odessa.” Fair signal, new. **(JN-TX)**





- 1190 KREB AR **Bentonville-Bella** – 1/21 0659 – Promos for Arkansas State Forest, then American Red Cross promo, then woman with ID as “KREB-AM Bentonville-Bella” at fair level. New. (JN-TX)
- WAFS GA **Atlanta** – 1/31 0742 – Poor, Atlanta traffic reports, mentions, something-moremoney.com, Quicken. With a very, very weak WOWO, someone with an open carrier, and another with sports. Presumed. (JJR-WI)
- 1230 WSOO MI **Sault Ste. Marie** – 1/29 1906 – Poor in fadeup, weather in Celsius and Fahrenheit, “on 1230 WSOO,” OLD. (JJR-WI)
- KSST TX **Sulphur Springs** – 1/21 0655 – Male comes on and mentions “You are listening to Good Time Oldies KSST 1230 AM,” at fair to good level. New. (JN-TX)
- 1270 KGNM MO **St. Joseph** – 2/2 0655 – Poor, caught calls into George Michael’s “Carless Whisper,” atop. (JJR-WI)
- KEPS TX **Eagle Pass** – 1/26 1900 – Tejano music, quick ID by male at fair level as “KEPS 1270 AM Eagle Pass, Texas, tejano y más.” New. (JN-TX)
- 1280 CFMB QC **Montréal** – 2/2 0654 – Fair, @40/9! S1 fades, but nice copy! EE ad, “beverages” in FF chatter. (JJR-WI)
- 1310 KOKX IA **Keokuk** – 1/31 0817 – Very poor though clear, with obituaries, 3-4 mentions of Keokuk. No WIBA. (JJR-WI)
- KGLB MN **Glencoe** – 1/30 0803 – Local high school basketball and hockey scores, a couple of ads, then C&W music on “Classic Country 1310 KGLB.” Fair and equal at times to nearby KFKA. (JW-CO)
- 1320 KOFA AZ **Yuma** – 1/25 1858 – Light music to 1859 strangely worded ID: “This is AM 1320 KAWC-KOFA Yuma and kawc.org, a service of Arizona Western College for more than 40 years ...”; four FM’ers were also mentioned in the Arizona Community Radio Network; a brief weather forecast followed and then the signal faded away. A needed call change here, ex-KAWC. (JW-CO)
- 1330 KNSS KS **Wichita** – 1/30 0630 – Poor though atop and steady, “98-7 and 1330 KNSS,” news. (JJR-WI)
- 1350 KUBE CA **San Bernardino** – 1/31 0859 – Out of ad with this ID: “... Fox Sports (??) 1350 AM KUBE Riverside.” The FCC database still shows San Bernardino as the City of License. Same ID heard next day at the same time. At any rate it’s a needed call change here, last heard as KCKC. (JW-CO)
- KBPL CO **Pueblo** – 1/31 0759 – Legal(?) ID heard as KBPL at this and other times. FCC database shows call as KDZA as of January 23. I’m counting it as KBPL, since that’s what I heard. (JW-CO)
- KTIK ID **Nampa** – 1/24 1903 – “This is Idaho’s longest running sports talk show, Idaho Sports Talk with Caves and Prater on Sports Radio 93-1 and 1350 AM The Ticket,” and into NFL talk. Briefly good before fading away. (JW-CO)
- 1360 KBUY NM **Ruidoso** – 1/27 0702 – Up strong with ad for local auto parts store, then ID “Ruidoso’s classic hits, KBUY, K-Buy,” then into music. (RV-TX)
- ++ 1/29 0459 – Hollies song with fair to poor signal, male says “Broadcasting from the ... Auto Group Studio, KBUY Ruidoso,” into Fox news. New. (JN-TX)
- KRKK WY **Rock Springs** – 1/27 0636 – AC music, ID at 0654: “Wyo-Radio 13-60 KRKK, online at 1360krkk.com.” (RV-TX)
- 1370 KJCE TX **Rollingwood** – 1/28 0715 – Faded up with CBS news program, promos and slogan ID “... weekdays at 11 on Talk 13-70” at 726, with string of promos ending about the same. Also with “The Right Choice” slogan tossed in after promo for Texas A&M Aggie Sports Network at talk1370.com, then CBS news at BOH. (RV-TX)
- 1440 WZYX TN **Cowan** – 1/31 0705 – Poor-fair with fadeup, “on WZYX 1440, WZYX 94.5, WZYX 95-3, and WZYXradio.com.” Nice to hear calls 4 times in a few seconds, rather than waiting and waiting, or not using calls/slogans at all, as seems commonplace. (JJR-WI)
- 1490 WZOE IL **Princeton** – 1/30 0755 – With sports, mentions of Illini and Southern Illinois, PSAs, calls. (JJR-WI)
- 1610 CHHA ON **Toronto** – 2/2 0647 – Poor; “... de latinas, Toronto’s only ....” Nice to catch a voice, not just music. (JJR-WI)
- CHRN QC **Montréal** – 1/29 0457 – Uptempo version of “I Can’t Stop the Rain” by female, then woman in Indian language, mentions of Facebook and Humsafar Radio, back into music. All alone on the frequency at good level on a good morning for me to Canada. New. (JN-TX)

- 1650 **KBJD** **CO** **Denver** – 1/27 0750 – SS variety music, TC at 0759 and ID “16-50 AM Radio Luz iluminando mente y corazon” between songs. Very prevalent, if not dominant over other stations. **(RV-TX)**
- 1660 **KBRE** **CA** **Merced** – 1/28 0736 – Prevalent with ROK, “The Bear 105-7” slogan at 0742; local ads and then station promos with mentions of Merced. **(RV-TX)**
- WBCN** **NC** **Charlotte** – 2/2 0719 – Fair, “94-7 Smoke” and Rick Flair “Whoop” in sweeper. KQWB easily nulled. **(JJR-WI)**
- 1680 **KRJO** **LA** **Monroe** – 1/31 0707 – Poor, “Something Always There to Remind Me” by Naked Eyes, “on 99-7 My FM.” Assumed WTTM in back, no WPRR. **(JJR-WI)**
- 1690 **KDMT** **CO** **Arvada** – 2/2 0716 – Poor with no WVON, “Alexa, play 1690 KDMT.” Steady. **(JJR-WI)**
- CHTO** **ON** **Toronto** – 1/29 0457 – Greek music fighting it out with KDMT, at times over KDMT, at fair to good level. First time I have heard Greek music here. New. **(JN-TX)**
- 1700 **KKLF** **TX** **Richardson** – 2/2 0641 – Fair at 40/9! SS with “música ... Banda 13.” No sign of KBGG. **(JJR-WI)**

#### UNID

- 1390 **UnID** -- 1/31 0728 – Poor, no WGRB at all, SW/NE on loop, with Dolly Parton “Jolene,” to fadeout. **(JJR-WI)**
- 1490 **UnID** -- 1/30 0753 – Poor with SS in fadeup, have not heard SS here before. Possibly KXLQ, logged in 1981 as KBAB. **(JJR-WI)**
- 1590 **UnID** -- 1/31 0712 – Poor with Supremes “Baby Love,” “from the time we go on the air” into chatter, then lost. **(JJR-WI)**

#### PIRATES

- 1710 **Pirate** **LA** **Baton Rouge** – 2/8 0111 – Seems SS talk, then soft song; 0151 screaming gospel huxter, so Retén lo que Tienes, persistent Bâton Rouge pirate. **(GH-OK)**
- 1710 **UnID** -- 2/7 0209 – Two very weak carriers just above 1710 kHz, one very slightly on the high side, like 1710.002, the other further up, like 1710.025, one with JBA music, from a couple of pirates. **(GH-OK)**

#### UNID

- 1210 **UnID** -- 1/16 0733 – Poor though steady, in SS, way under KGYN. Usually only WPHT or KGYN here. **(JJR-WI)**
- 1710 **UnID** -- 1/20 2107 – Slow beat strumming music, seems about NW/SE. 1/26 0635 – Soft strumming music, and a second weaker station with vocal music. No doubt both pirates. **(GH-OK)**

# Musings of the Members

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## Russ Edmunds – WB2BJH – Blue Bell, PA – [wb2bjh@bcdx.us](mailto:wb2bjh@bcdx.us)

Greetings to all! For some reason – probably because I can’t remember when I last sent in a Musing – I decided to do so. As a brief re-intro, I’m now 71, retired as of EOY 2017, and hopeful of finding more time for live DX. Most of my MW DX has been via scheduled remote recordings overnight, and most of that on GY’s. Conditions on the GY’s have been bad for a couple of years now – no more fading in and out, mostly just a jumble. Most of my MW/LW DX’ing is done at the annual Long Beach Island (NJ) DXpeditions in the Fall, although now that more of our group are retired, we may start doing one in the Spring as well. Any MW DX here is difficult due to increased noise and excessive RF from locals. I have numerous locals within ten miles, many line-of-sight, at 5kW+ to contend with, coupled with unhelpful tree arrangement, and outdoor antenna only magnifies the intermod. A few years back I decided to part with my non-working Hammarlund HQ-150’s while I could still carry them up from the basement and now use only Sony 2010’s. That eliminated the use of tuned indoor loops as I have been unable (despite the experiences of others) to get the 2010’s to recognize the loop as anything other than a short circuit. I plan to attend portions of the SWLFest locally the first weekend in March so may see some members there. 73, Russ.



# Domestic DX Digest – East

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

All times are Eastern Local Time (ELT)

## REPORTERS

- BC-NH** **Bruce Conti, Nashua** – Excalibur SDR, variable termination 50 x 75-ft Super/Ewe antennas at 60° northeast and 180° south.
- HF-MI** **Harold Frodge, Midland** – Drake R8B + 185' RW
- HJH-PA** **Harry Hayes, Wilkes-Barre** – Grundig S-350, C. Crane Skywave , ALA-1530 loop, Kiwi Pocket Loop
- KK-VA** **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop
- TLK-FL** **Terry Krueger, Clearwater** – NRD-535, IC-R75, roof dipole, active loop
- LW-NY** **Leslie Wood, East Meadow, Long Island** – CC Radio SW, RS loop
- MKB-ON** **Mike Brooker, Toronto** – Grundig YB-400PE, Sony SRF-39FP, C Crane CC 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](http://www.facebook.com/keval.mike)

## UNID

- 700 unID** -- – 2/1 0653 – Someone here in the co-channel, pointing WNW, seemingly Christian talk, soft vocals, but too weak and with pieces of WLW. No Mexican anthem across the 0700 hour, so maybe domestic. Is KHSE, Wylie, TX Spanish Gospel, or Asian? If the former, maybe it's them. Signal gone by 0734 daylight. (TLK-FL)
- 930 unID** -- – 2/4 0628 – “Empty Garden (Hey Hey Johnny)” by Elton John, fade. Back up briefly at 0637 with “You Are the Sunshine Of My Life” by Stevie Wonder segued to Bob Marley’s “No Woman, No Cry (live),” then no trace of after, and with WFXJ co-channel. Suspect WSEV, Sevierville, TN if still on automated format with no commercials and just a quick canned ID on the hour as last heard when in the area in May, 2017. If so, again on day power overnight. Not WMGR, which flipped to Christian awhile back. (TLK-FL)
- 1480 unID** -- – 2/7 0654 – Pointing NW, odd format of nonstop alt-pop tracks, “I Know” by Dionne Harris, “Girls Talk Boys” 5 Seconds Of Summer, “Only Wanna Be With You” by Hootie & the Blowfish, faded and lost. Not the Nostalgia format of WERM. (TLK-FL)
- 1550 unID** -- – 2/6 0650 – Someone returning from break to “America’s First News” syndicated live morning show, quickly lost in co-channel to WAMA, WRHC and Radio Rebelde. Their website only allows affiliate search by state, and a cursory check of those in the Southeast US shows nothing on 1550. WZNF, Bunnell, FL? (TLK-FL)

## CATCH THE DRIFT

- 970.124 WRCS NC** **Ahoskie** – 1/28 0100 – Black gospel vocals through the hour; off frequency at 970.124 kHz. WRCS confirmed by Rick Shaftan in NRC Facebook group. (BC-NH)

## LOGGINGS

- 540 WFLF FL** **Pine Hills** – 1/9 0210 – Good atop frequency with “Your Gator Nation” slogan, ad for Home Locks. (LW-NY)
- 680 WCBM MD** **Baltimore** – 1/15 0400 – In with “Talk Radio 680 WCBM” ToH ID into “WCBM Fox News on the hour.” (LW-NY)
- 730 WDOS NY** **Oneonta** – 1/28 0600 – Under CKAC; dead air to network feed, “Fox Sports trending now.” Presumed WDOS, per feedback in NRC Facebook group reported carrying Fox Sports contrary to various program listings. The lone Fox Sports affiliate listed on 730 is KEZX. (BC-NH)
- 740 CFZM ON** **Toronto** – 2/1 0623 – Conclusion of “Teach Your Children” by CSN, auto insurance ad, mention of “Zoomer Radio” into “Lost Together” by Blue

Rodeo, then traffic report by Captain Frank. // website stream and song playlist text display. **(TLK-FL)**

- 800 WJAT GA **Swainsboro** – 1/31 0425 – Coast to Coast AM, mentions of 99.1 FM and [am800wjat.com](http://am800wjat.com) on net breaks. Fair with some WPLK co-channel. Who is the 99.1 in this market? **(TLK-FL)**
- WNNW MA **Lawrence** – 1/31 1755 – Mainly under CKLW with peppy SS pop-style music and long ad string; // web feed. **(HF-MI)**
- CJAD QC **Montreal** – 1/31 1726 – Brief peak over CKLW with “News Radio 800 CJAD” ID. **(HF-MI)**
- 820 WVSG OH **Columbus** – 2/2 1800 – Over/under WNYC; “WVSG Columbus, Ohio, the home of St. Gabriel Catholic Radio, AM 820” ToH ID. **(BC-NH)**
- 880 WRFD OH **Columbus-Worthington** – 2/4 0757 – Killing WCBS with end of service from local Lutheran church, “AM 880 104.5 FM The Word WRFD” slogan, National Debt Relief ad. **(MKB-ON)**
- 900 WURD PA **Philadelphia** – 1/28 0558 – Under CHML through local WGHM open carrier; “Pennsylvania’s only Black-owned talk radio station, this is Wurd Radio, 96.1 FM WURD and 900 AM WURD.” **(BC-NH)**
- 940 WIDG MI **St. Ignace** – 2/1 1800 – Over usual CFNV with “Catholic Light for Northern Michigan...” by woman, WIDG ToH ID amid IDs for several FM translators, into EWTN news. **(MKB-ON)**
- +++ - 2/2 1800 – Fair; “It’s 6 o’clock, you are listening to the Baraga Radio Network, the Catholic Light for northern Michigan, WTCK Charlevoix, WIDG St. Ignace, WGZR Alpena, WTCY Traverse City, WGJU East Tawas, WMQU Grayling, and online at the Catholic Light dot com.” **(BC-NH)**
- 950 CKNB NB **Campbellton** – 1/27 0500 – Under WIBX; “CKNB Campbellton, New Brunswick, an MBS radio station,” into “Tainted Love” by Soft Cell. **(BC-NH)**
- 960 WSBT IN **South Bend** – 2/2 1750 – Over all comers with sports talk (mostly about Super Bowl), “Michiana’s Sports Leader 96.1 WSBT” ID with no mention of their AM. **(MKB-ON)**
- 990 WEEB NC **Southern Pines** – 2/2 1800 – Over/under WDCX; “97-3 FM and 990 AM WEEB Southern Pines...Talk 97-3 dot com.” New log. **(BC-NH)**
- 1070 KNX CA **Los Angeles** – 1/29 0717 – Bubbled up with female weather, highs today in the mid-80’s “...with Southern California’s most accurate forecast, I’m...on KNX 10-70 News Radio.” Back into local news by guy and KNX ID before next item. **(TLK-FL)**
- 1110 WJML MI **Petoskey** – 1/28 1800 – Over/under WBT; “From the best place on earth, 1110 WJML Petoskey, 1210 and 101.1 FM WJNL Kingsley-Traverse City, online at WJML dot com.” **(BC-NH)**
- WKQA VA **Norfolk** – 1/26 1714 – In WBT mix with male: “This is WKQA Norfolk serving eastern Virginia and North Carolina with 50 thousand watts of power...” **(KK-VA)**
- 1130 KTLK MN **Minneapolis** – 2/5 1804 – Battling usual WBBR/WDFN mix with Minnesota News Network state news. Lost to dominant pest WBBR by 1806. **(MKB-ON)**
- WPYB NC **Benson** – 1/26 1728 – In WBBR/WCLW mix with male “WPYB AM 11-30” ID. **(KK-VA)**
- WCLW NC **Eden** – 1/26 1708 – Mixing with WBBR, WPYB, other talk and songs from the 1980s, male “This is Gospel 11-30 WCLW” ID. **(KK-VA)**
- 1150 WLOC KY **Munfordville** – 2/2 2220 – Surfacing briefly above many others with C&W music and “Studio-101” non-ID. **(HJH-PA)**
- WIMA OH **Lima** – 2/2 1632 – In multi-station mix (CKOC, WAVO, WBAG, WNLR, WGBR) with male “11-50 WIMA sports” ID into local Lima sports report. **(KK-VA)**
- +++ - 2/2 1800 – Under WWDJ; “This is Newsradio 1150 WIMA Lima, an iHeart Media radio station.” **(BC-NH)**
- WAVO SC **Rock Hill** – 2/2 1727 – In multi-station mix with station promo: “Our listeners say our music is fabulous. We couldn’t agree more...11-50 WAVO.” **(KK-VA)**
- WNLR VA **Churchville** – 2/2 1729 – In multi-station mix (CKOC, WIMA, WBAG, WAVO, WGBR) with male “New life radio WNLR” ID. **(KK-VA)**
- 1160 WYDU NC **Red Springs** – 1/29 0602 – Female reading mostly state news items, concluding 0605 with “NCN News” (North Carolina News Network), local ad with 910 area code, into modern Urban Gospel vocals from 0708. **(TLK-FL)**

- +++ – 1/26 2300 – Good signal with many others. ID as “This is your station for information and inspiration, WYDU,” then into local news. **(HJH-PA)**
- +++ – 2/2 1800 – In multi-station mix (WMET, WYLL, WCRT, UNID C&W, oldies and other talk stations) with ToH ID by male: “This is your station for inspiration and information. WYDU Red Springs WYDU1160 dot com.” **(KK-VA)**
- 1170 **WGMP AL Montgomery** – 2/2 1644 – In WWVA/WDEK mix with rock and roll songs, female DJ, “I’m... on WGMP.” New station for me. **(KK-VA)**
- WDEK SC Lexington** – 2/2 1719 – In WWVA/WGMP mix with station promo: “I found my new favorite radio station. Jammin’ hits from the 70’s, 80’s, 90’s and beyond on 97.9 FM and 11-70 AM.” **(KK-VA)**
- 1190 **WIXE NC Monroe** – 2/2 1800 – In WCRW/WOWO mix with ToH ID by female: “The button pushing stops here. 93.1 FM and 11-90 AM WIXE, North Carolina’s radio station of the year.” **(KK-VA)**
- 1200 **WTLA NY North Syracuse** – 1/23 1800 – “Bloomberg Radio News” on the hour into ESPN sports. **(LW-NY)**
- WKST PA New Castle** – 1/30 1835 – Atop with “WKST Newsradio” ID into sports talk. New for #12 heard on 1200 kHz. **(LW-NY)**
- CFGO ON Ottawa** – 1/30 1830 – “Ottawa Senators radio network” promo, brief newscast then into sports talk. **(LW-NY)**
- 1240 **WIOV PA Reading** – 1/28 0600 – Briefly above the din; CBS Sports Radio jingle, “Sports 24/7... Berks County sports station with sports all day every day, Sports Radio 1240 WIOV Reading... a Cumulus station.” **(BC-NH)**
- 1270 **WXYT MI Detroit** – 1/28 0600 – Fair; “WXYT and WXYT HD Detroit, CBS Sports Radio 1270” ToH ID. **(BC-NH)**
- WQTT OH Marysville** – 1/27 0601 – Atop the frequency; “Your true oldies station, 96.7 and 1270 WQTT Marysville,” and jingle into news. Translator ID inserted before canned ID was undecipherable, but didn’t sound like W283AJ. **(BC-NH)**
- 1300 **WGDJ NY Rensselaer** – 1/28 0709 – Over usual WOOD with “Talk 1300” slogan, local news referencing Capital District, Albany and Saratoga County. **(MKB-ON)**
- 1310 **CIWW ON Ottawa** – 1/15 0520 – Good signal with local news, traffic, weather, “1310 Ottawa” slogan. **(LW-NY)**
- 1330 **WJNX FL Fort Pierce** – 1/25 0601 – Still oddly picking up CBS News in EE top of the hours, otherwise Spanish with brief chatter, into Mexi-tune from 0608. **(TLK-FL)**
- KCKM TX Monahans** – 1/30 0720 – Tammy Wynette “Bedtime Story” into local ad for a “Cajun cooking” restaurant with beyond confusing hours, then live morning DJ with ID. **(TLK-FL)**
- 1360 **WKYO MI Caro** – 1/29 1815 – Over dueling talk stations with C&W songs, “Classic Country 1360 WKYO” slogan. Format flip ex-oldies. **(MKB-ON)**
- WNJC NJ Washington Township** – 1/27 0600 – Fair; “La Super 1360, el poder latino,” and Spanish music. **(BC-NH)**
- 1410 **WHBT FL Tallahassee** – 2/7 0736 – Long string of ads and PSAs including a gospel revival concert, PVA.org, United Way, then mention of “Heaven 98.3 and 14-10 AM.... You’re listening to “Get Up” with...” First time here. **(TLK-FL)**
- 1430 **WLTG FL Panama City** – 2/7 0733 – Ad for Golden Corral “...on 23rd Street in Panama City.” Male, “14-30 News Talk” mention. Last logged May, 2012. **(TLK-FL)**
- 1460 **CJOY ON Guelph** – 1/27 0500 – Through WTKT; “Guelph’s greatest hits” and CJOY jingle. **(BC-NH)**
- 1470 **WNYN NY Ithaca** – 2/3 0811 – Alone on frequency with “Walk Away Renee” by Left Banke, “Pure Oldies WNYN” slogan. Format flip from liberal talk. **(MKB-ON)**
- 1480 **WFLN FL Arcadia** – 1/25 0809 – Local weather “from the Florida Weather Center... brought to you by the DeSoto...” and Old School singing jingle “WFLN” then local announcer mentioning an upcoming guest, teasing by playing “That’s Amore” by Dean Martin. Tuned out, but I’m pretty sure the guest wasn’t Dean, or Harry Warren or Jack Brooks for that matter. All, simply, very dead. Another singing “...radio 14-80 WFLN” into local ads. Fairly weak here. **(TLK-FL)**
- 1490 **WTTB FL Vero Beach** – 2/7 0649 – GEICO ad, WTTB program promo, ID into morning drive news show with two guys. First time here. **(TLK-FL)**



- 1510 **WWBC FL Cocoa** – 2/6 0707 – Gospel brokered blocks, male canned ID at 0729 with mention of at least two (three listed) FM translators, with calls and frequencies, into “Turning Point” brokered show opening with a demand for money mailed to them. Some WLAC co-channel still, they with syndicated Fox Sports “Outclick” talk show. Sad that they run such instead of live and local on morning drive. It was an unidentified, until a break with local traffic and ID, and confirmed the programming on their website. **(TLK-FL)**
- WLAC TN Nashville** – 1/15 1750 – Atop with Sean Hannity snow on “News Talk 1510 WLAC,” promo for “Coast to Coast” on iHeart Radio. **(LW-NY)**
- 1520 **WDSL NC Mocksville** – 1/30 1815 – In with gospel music and “WDSL 1520 Mocksville, North Carolina” ID. New, fair under WWKB. **(LW-NY)**
- KOKC OK Oklahoma City** – 1/15 0500 – Over WWKB with Westood One news, ad for Trucker’s Connection on “Red Eye Radio.” **(LW-NY)**
- 1550 **WIGN TN Bristol** – 2/1 1709 – Peaked up with “...right here on AM 15-50 WIGN.” One in the mix, including CBEF and WKBA. **(HF-MI)**
- WKBA VA Vinton** – 2/1 1700 – “AM 15-50 WKBA” ToH ID into an enthusiastic religious huckster; “AM 13-90 and AM 15-50 WKBA” promo at 1758. // webfeed. One in the mix, including CBEF. **(HF-MI)**
- 1580 **WJFK MD Morningside** – 1/31 1629 – Presumed with “Veteran’s Stories.” On top to about 1636 when CKDO abruptly took over with oldies; presume pattern shift for one or both. **(HF-MI)**
- WLIJ TN Shelbyville** – 2/5 0707 – Reveille on trumpet, weather (high in the mid-40s) and redneck Rusty Reed morning show host, into Bluegrass banjo/fiddle tune. Bad WTCL co-channel, and rapidly lost. **(TLK-FL)**
- 1590 **WCGO IL Evanston** – 2/3 1651 – “AM 15-90 WCGO Chicago,” “WCGO Chicago’s Smart Talk” slogans; Hindi (presumed) program at tune-in to ToH EE IDs, news and ads; 1704 into AR program. Predominant one in the mix before WAKR took over later. **(HF-MI)** *I have no idea what “AR program” is. Arkansas? American Revolution? Please, folks, avoid over-use of obscure abbreviations. Is it really necessary that you need to save a couple keystrokes? We’re not using manual typewriters any more. Mike.*
- WGBG MD Ocean City** – 2/3 1802 – Popped up briefly with “Your home for...AM 15-90 and FM 97.9 WGBG.” One in the mix; WAKR dominant. **(HF-MI)**
- WTVB MI Coldwater** – 2/4 1520 – “AM 15-90 and FM 95.5 WTVB” ID; classic rock; ad for Great Lakes Chiropractic on US-12 across from Meijer’s. In and out mainly with WHLX. **(HF-MI)**
- WHLX MI Marine City** – 2/4 1520 – “Port Huron’s alternative rock, Rock 105.5” slogan. In and out mainly with in-state rival WTVB. **(HF-MI)**
- WCSL NC Cherryville** – 2/2 1758 – Dual “WCSL and WLON” (1050 Lincolnton) ID into C&W. Brief peak from the mix including WAKR and WTVB. **(HF-MI)**
- WAKR OH Akron** – 2/4 1623 – Westwood One Super Sunday pre-game hype into Akron ads; many call IDs. In and out of the mix. **(HF-MI)**
- WKTP TN Jonesborough** – 2/4 2356 – Local “Tri-Cities Weather,” highs in the 40s and snow in the mountains; ad for Appalachian Orthopedic in Bristol, TN. One in the mix including WAKR and WCGO; New for TN #50. 1590 has been a gold mine lately! **(HF-MI)**
- WIXK WI New Richmond** – 2/3 1653 – Caught a call ID during a local high school basketball game involving Stevens Point. New, one in the mix. **(HF-MI)**
- 1600 **WAOS GA Austell** – 2/5 2204 – Peaking on top with Mexican music and “La Mejor” promos. ESPN and Hindi (presumably WWRL) also there. **(HF-MI)**
- KGYM IA Cedar Rapids** – 2/7 2304 – End of Iowa State Cyclones basketball game; “Sports Radio KGYM” ID. One in the mix. **(HF-MI)**
- WWRL NY New York** – 2/5 2354 – Peppy Indian vocals. On top of mix for 4 minutes before giving way to WAOS. **(HF-MI)**
- WIDU NC Fayetteville** – 1/30 0631 – Faded up with man “...WIDU Radio news” into report on a house fire, weather, fade down. Coincidentally, sister station WRDY-1160 heard the day before, but no trace of them at this time to check if parallel. Should be Christian format otherwise. **(TLK-FL)**
- WPDC PA Elizabethtown** – 2/7 1851 – Oldies, “Radio Sweet Sixteen” slogan. One in the mix. New. **(HF-MI)**
- WKKX WV Wheeling** – 2/5 1700 – Local “WVLY Storm Tracker 7 (“Ohio Valley”) weather” into local news with Belmont County item. Took over suddenly from

WAAM on top; presume pattern shift for one or both. Not new, but rare. **(HF-MI)**

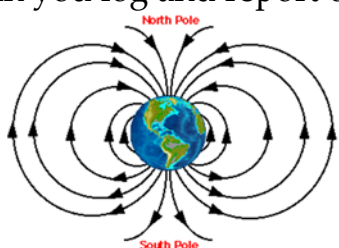
**1630 KCJJ IA Iowa City** – 1/23 1855 – Atop with high school basketball game report, ad for Midtown Family Restaurant, “KCJJ 1630” ID at 1900, then into girls high school hoops game. **(LW-NY)**

**1640 WTNI MS Biloxi** – 1/27 0600 – Fair; “This is 1490 WANG Biloxi, 1640 WTNI Biloxi, and FM W278CE 103-5 The Champ, online at 1640 The Champ dot com,” and ESPN. **(BC-NH)**

**WSJP WI Sussex** – 2/2 1800 – Fair; “Talk radio for a Catholic life, WSJP Sussex, WSJP-FM Port Washington, Relevant Radio 1640 AM and 100.1 FM.” **(BC-NH)**

## Unreported Domestic Stations

One station reported to DDXD this issue for the first time since at least Volume 67 (1999-2000): KEPS-1270. The number of currently licensed stations in the United States and Canada that haven't been reported to DDXD in that timeframe is now 378. The full list was last printed in issue 84-18. Can you log and report one next issue?



## Geomagnetic Indices

Geomagnetic Summary January 2018

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

Date	Flux	A	K	Space Weather	16	71	4	1	no storms
1/ 1	69	11	1	no storms	17	71	3	1	no storms
2	70	5	1	no storms	18	71	2	1	no storms
3	71	4	1	no storms	19	71	8	2	no storms
4	70	4	1	no storms	20	70	8	1	no storms
5	69	5	2	no storms	21	69	10	3	no storms
6	69	3	0	no storms	22	70	12	3	no storms
7	70	3	1	no storms	23	71	4	0	no storms
8	70	9	2	no storms	24	70	8	4	no storms
9	71	9	2	no storms	25	70	10	2	no storms
10	70	5	0	no storms	26	70	8	2	no storms
11	71	2	1	no storms	27	69	6	1	no storms
12	71	4	0	no storms	28	69	4	2	no storms
13	71	7	2	no storms	29	68	4	1	no storms
14	71	14	2	minor, G1	30	69	5	1	no storms
15	70	9	2	no storms	1/31	69	6	3	no storms

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

## NOAA Space Weather Outlook

Issued February 5, 2018 – For the period February 5-March 3, 2018

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

Solar activity is expected to be at mostly very low levels with a slight chance for low activity through 16 Feb due to the emergence of Region 2699. Very low levels are anticipated from 17-28 Feb after the departure of Region 2699. A slight chance for low levels is possible from 01-03 Mar due to the return of old Region 2699.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at normal levels from 05-14 Feb and again from 26 Feb-03 Mar. Moderate levels are likely from 15-25 Feb due to influence from recurrent CH HSSs.

Geomagnetic field activity is expected to be at quiet to unsettled levels on 05 Feb, 15-17 Feb and 20-22 Feb, with isolated active periods likely on 16 Feb. This activity is due to influence from recurrent CH HSSs. Mostly quiet conditions are expected for the remainder of the outlook period.

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Any members that are familiar with WordPress that may want to assist with the new NRC website, please contact Wayne Heinen at [amlog@nationalradioclub.org](mailto:amlog@nationalradioclub.org).

# International DX Digest

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

For loggings of outside the U.S. and Canada

All times are Universal Coordinated Time (UTC)

## TRANS-ATLANTIC DX

- 189 **ICELAND** *Ríkisútvarpid*, Gufuskálar JAN 7 0200 – Hard rock, electronic sounder, Icelandic talk by man with RUV (“roov”) mention; good.{A} [Connelly-MA]
- 531 **ALGERIA** *Jil FM*, F’kirina Wilaya d’Oum El Bouaghi JAN 20 2200 – Dance music, man with *Jil FM* ID; fair. JAN 21 2200 – *Jil FM* ID, Sabre Dance (Khachaturian); good.{A} [Connelly-MA]
- 549 **ALGERIA** *Jil FM*, Sidi Hamadouche JAN 19 0500 – *Jil FM* jingle, tropical music; good.{A} JAN 20 2200 – Music, *Jil FM* ID parallel 531; good. FEB 3 2200 – Pop Arabic female vocal through top-of-hour, *Jil FM* ID; fair. [Connelly-MA]
- 567 **SPAIN** *RNE5* Murcia JAN 20 2200 – RNE news intro; poor. [Connelly-MA]
- 576 **CANARY ISLANDS//SPAIN** *RNE5* Las Palmas//Barcelona JAN 20 2200 – *R.Nacional de España* net ID in news intro; fair over other. [Connelly-MA]
- 585 **SPAIN** *RNE1* Madrid JAN 20 2200 – RNE news; in slop. JAN 31 0100 – Two men talking, 5+1 pips, news intro with fanfare music and man “Radio Nacional de España, servicios informativos” and woman “Buenas noches”; through WEZE slop.{A} [Connelly-MA]
- 595 **MOROCCO** *SNRT* Oujda JAN 20 2200 – Bits of talk; in slop, slight 594 het from presumed Saudi. [Connelly-MA]
- 603 **ROMANIA** *R.România Actualitati*, Botosani//Oradea JAN 13 2200 – Parallel 756 with ID, “Aici Bucuresti, Radio Romania Actualitati, hora exacta,” 6 pips, fanfare music at start of news includes Morse KS and, at a lower pitch, K; poor.{A} [Connelly-MA]
- 603 **SPAIN** *RNE5* Palencia//Sevilla JAN 20 2200 – Rock music, 5+1 pips, *R.Nacional de España* news intro; fair to good.{A} [Connelly-MA]
- 612 **SPAIN** *RNE1* Lleida//Vitoria-Gasteiz JAN 18 2200 – 5+1 pips, RNE news intro; only to fair peak but dominant.{A} [Connelly-MA]
- 621 **BELGIUM** *RTBF International*, Wavre JAN 13 2201 – French talk by man; over WZON slop, not much RNE at the time.{A} [Connelly-MA]
- 621 **CANARY ISLANDS//SPAIN** *RNE1* synchros JAN 20 2200 – 5+1 pips, RNE news; over Belgium and WZON slop. [Connelly-MA]
- 639 **CZECH REPUBLIC** *Ceský rozhlas*, Liblice//Svinov JAN 20 2201 – Ballad vocal; slightly under Spain. [Connelly-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. JAN 20 2201 – News about Catalan parliament; over Czech. [Connelly-MA]
- 684 **SPAIN** *RNE1* Sevilla JAN 19 0600 – Female soul vocal, 5+1 pips, RNE news intro; good during pause in audio on adjacent 680 WRKO.{A} [Connelly-MA]
- 693 **SPAIN** *RNE1* synchros JAN 31 2200 – Rapid-fire Spanish talk by man, likely a sporting event; over UK.{A} [Connelly-MA]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. JAN 19 2200 – Sports talk, then talk about subjects including court case about the black cab rapist, energy drinks sold to kids, proposed bridge over the Channel, then BBC Five Live ID; good.{A} JAN 20 2200 – BBC Five Live talk; pronounced synchro echo. [Connelly-MA]
- 720 **CANARY ISLANDS** *RNE5* Finca España JAN 20 2200 – 5+1 pips, RNE news; poor but dominant. Lower pitch Portugal pips under. [Connelly-MA]
- 729 **SPAIN** *RNE1* synchros JAN 20 2200 – Parallel 603 with 5+1 pips, fanfare music, *R.Nacional de España* ID at start of news; fair.{A} [Connelly-MA]
- 738 **SPAIN** *RNE1* Barcelona JAN 20 2200 – 5+1 pips, RNE news; in CHCM slop. [Connelly-MA]
- 747 **CANARY ISLANDS//SPAIN** *RNE5* Las Palmas//Cádiz JAN 13 2200 – 5+1 pips, time check, *R.Nacional de España* news intro; fair. JAN 21 2200 – 5+1 pips, RNE news intro; fair through slop. JAN 29 2200 – 5+1 pips, fanfare music and *R.Nacional de España* ID in news intro; good.{A} [Connelly-MA]
- 756 **ROMANIA** *R.România Actualitati*, Lugoj JAN 13 2100 – Parallel 603 with ID, “Aici Bucuresti, Radio Romania Actualitati, hora exacta,” 6 pips, fanfare music at start of news includes Morse KS and, at a lower pitch, K; poor.{A} [Connelly-MA]



- 774 **SPAIN** *RNE1* synchros JAN 20 2200 – RNE news, some echo, better on LSB to dodge 774.19 growl from Egypt. JAN 22 2200 – Guitar music, 5+1 pips, RNE news intro; fair.{A} [Connelly-MA]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott JAN 25 2300 – Man in Arabic, signature strumming and drumming, interspersed talk and music; fair to good.{A} [Connelly-MA]
- 810 **SCOTLAND** *BBC R.Scotland*, Burghead//Redmoss//Westerglen JAN 13 2100 – End of jig tune, ID “On digital radio, 92 and 95 FM, and 810 AM, BBC Radio Scotland,” fanfare music, news about missile attack false alarm in Hawaii; poor to fair. JAN 20 2200 – BBC Radio Scotland ID, news about terror attack at hotel in Kabul, Afghanistan; fair.{A} [Connelly-MA]
- 837 **CANARY ISLANDS//SPAIN** *COPE* synchros JAN 14 2200 – Talk with “en COPE” ID, 5+1 pips, Canarias mention, fanfare music, “ultima hora en COPE, esta informando” news intro; good. JAN 20 2200 – Advert with jingle, man and woman in Spanish with La Eterna mention and net ID “COPE, esta informando,” 5+1 pips, Canarias mention, fanfare music leading into news; loud. JAN 31 2300 – Cadena COPE ID’s, “... esta informando,” pips; to good peak.{A} [Connelly-MA]
- 837 **SPAIN** *COPE* Sevilla FEB 9 2259 – Poor in 840 WRYM splatter; woman with promo/ID ending “...Cope Sevilla.” [Conti-NH]
- 855 **ROMANIA** *R.România Actualitati*, Tancabesti JAN 29 2200 – Man, “Aici Bucuresti, Radio Romania Actualitati, hora exacta” initially slightly atop, then co-channel Spain got a bit stronger. Messy.{A} [Connelly-MA]
- 855 **SPAIN** *RNE1* Murcia et al. JAN 20 2159 – Parallel 774 with “Salvation” by the Cranberries, man in Spanish. [Connelly-MA]
- 864 **EGYPT** *ERTU* Santah JAN 13 2200 – 4+1 pips (last higher pitch), a few words, Koranic chant, reverberated preaching by man; fair.{A} JAN 20 2200 – 4+1 pips (last higher pitch) about 22 seconds late, man in Arabic, bit of chant; noisy. [Connelly-MA]
- 873 **SPAIN** *SER* synchros JAN 20 2201 – Spanish singing to melody of “When the Saints Come Marching In,” sports coverage promo, “en la SER” network ID; fair.{A} [Connelly-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford et al. JAN 15 2200 – *BBC R.Wales* ID; tough WCBS slop.{A} JAN 20 2200 – Woman then man with BBC mention, atmospheric orchestral music and vocal (maybe Pink Floyd or Coldplay); in WCBS slop. [Connelly-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5* synchros JAN 20 2159 – Announcers joking about George W. Bush “Do you remember the time you thought I was a really terrible president?” and “How do you like me now?” then talk about the average British dinner only being 21 minutes and consumed in front of the telly. BBC Five Live ID then woman with news about attack in Kabul. Good peak.{A} [Connelly-MA]
- 918 **SPAIN** *R.Inter*, Madrid JAN 20 2200 – Woman in Spanish; poor through 920 slop and 917 Nigeria het. [Connelly-MA]
- 936 **IRAN** *IRIB R.Iran*, Miandoab//Urumiyeh JAN 20 2201 – Mideast male vocal and strings, seemingly not parallel 612 Morocco, so possibly Iran.{A} [Connelly-MA]
- 945 unID JAN 20 2159 – Koranic chant; poor. [Connelly-MA]
- 954 **SPAIN** *Onda Cero*, Madrid JAN 20 2200 – Spanish teletalk by two men; to fair peak, something wobbly noted in background near channel. JAN 31 0100 – 5+1 pips, man “Noticias Radio Cero”; poor.{A} [Connelly-MA]
- 963 unID JAN 20 2200 – Talk by woman, maybe French; severely hacked by 970 WZAN slop. [Connelly-MA]
- 999 **SPAIN** *COPE* Madrid JAN 20 2201 – News parallel 837 mentioned Dinamarca; fair. [Connelly-MA]
- 1008 **NETHERLANDS** *GrootNieuws Radio*, Zeewolde JAN 20 2201 – Choral hymn, Dutch talk by woman and man; good peak.{A} [Connelly-MA]
- 1017 **SPAIN** *RNE5* Burgos//Granada JAN 20 2200 – RNE news intro; poor. [Connelly-MA]
- 1044 **SPAIN** *SER R.San Sebastián*, San Sebastián JAN 20 2202 – ID, “Radio San Sebastián, Cadena SER.” [Connelly-MA]
- 1053.1 **LIBYA** *R.Libya*, Tripoli JAN 20 2200 – Man in Arabic, news with emphasis music; fair to good.{A} [Connelly-MA]
- 1053 **UNITED KINGDOM** *TalkSport* synchros JAN 20 2200 – Parallel 1089, talk with goofy limerick; fragmentary on LSB, generally taking a beating from Libya on USB. [Connelly-MA] FEB 9 2301 – Poor; woman reading news parallel 1089 kHz. No sign of Libya. [Conti-NH]
- 1062 **ITALY** *Rai Radiouno* synchros JAN 20 2201 – Woman in Italian; poor in heavy WQOM slop. [Connelly-MA]

- 1089 **UNITED KINGDOM** *TalkSport* sychros JAN 20 2159 – Man reading silly limerick promoting a show on *TalkSport*; good, echoey.{A} [Connelly-MA]
- 1098 **SAUDI ARABIA** *SBC R.Jeddah*, Dammam JAN 22 2200 – Spain at start of audio clip, another station over with violin music, reverberated talk by man. Saudi Arabia per RealDX: thanks to Alessandro Groppazzi and Franck (F4LKC) for ID, also to Chuck Hutton and Jim Renfrew for looking into it.{A} [Connelly-MA]
- 1098 **SPAIN** *RNE5* sychros JAN 20 2201 – Parallel 1107 with news by man and woman; poor. [Connelly-MA]
- 1107 **SPAIN** *RNE5* sychros JAN 13 2300 – 5+1 pips, RNE news intro “Radio Nacional de España, servicios informativos”; fair.{A} JAN 20 2200 – Echoey RNE news; over something else. [Connelly-MA]
- 1116 **SPAIN** *SER* sychros JAN 20 2200 – Parallel 1044 with woman and man laughing and singing something to the melody of “When the Saints Come Marching In”; to fair peak. [Connelly-MA]
- 1125 **SPAIN** *RNE5* sychros JAN 20 2200 – RNE news intro; poor but dominant. [Connelly-MA]
- 1152 **ROMANIA** *R.România Actualitati*, Cluj JAN 20 2200 – “...Actualitati, hora exacta,” pips, fanfare music with Morse KS then lower pitch K; over Spain, through tough WWDJ slop.{A} [Connelly-MA]
- 1152 **SPAIN** *RNE5* sychros JAN 20 2200 – RNE news intro fanfare music; audible under Romania. [Connelly-MA]
- 1179 **ROMANIA** *România Actualitati*, Galbeni-Bacau//Resita JAN 20 2200 – ID, “Aici Bucuresti, Radio Romania Actualitati, hora exacta,” 6 pips, fanfare music at start of news includes Morse KS and, at a lower pitch, K. Some slop from local daytimer 1170 WFPB.{A} [Connelly-MA]
- 1188 **IRAN** *IRIB R.Payam*, Tehran JAN 20 2200 – Interval signal of 3 ascending notes; poor, in WLIB slop. JAN 22 2200 – 3-ascending-notes attention signal, fanfare music, talk by man; poor.{A} [Connelly-MA]
- 1197 **UNITED KINGDOM** *Absolute Radio* sychros JAN 20 2200 – U2 “With or Without You” parallel 1215; poor, hammered by 1200 WXKS slop. [Connelly-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* sychros JAN 20 2159 – Ryanair advert, Harvey’s furniture advert; huge. 2201 advert for barbecue chicken BLT for £1.49 at McDonald’s, then one for packaged holiday trips, *Absolute Radio* ID, U2 “With or Without You”; strong peaks.{A} [Connelly-MA] JAN 27 0659 – Good; “Online, on mobile, and on digital radio, where real music matters, this is Absolute Radio,” into news. FEB 3 0458 – Good; “Don’t Fear the Reaper” by Blue Oyster Cult. [Conti-NH]
- 1305 **SPAIN** *RNE5* sychros JAN 20 2200 – RNE news intro; to fair peak. Weak low pitch growl from 1305.1, presumably Iran. [Connelly-MA]
- 1314 **SPAIN** *RNE5* sychros JAN 20 2159 – Pop vocal parallel 1107 but not 855; poor. [Connelly-MA]
- 1341 **NORTHERN IRELAND** *BBC R.Ulster*, Lisnagarvey JAN 20 2200 – BBC news; poor in mix with something else possibly Spanish. [Connelly-MA]
- 1386 **LITHUANIA** *R.Liberty*, Viesintos JAN 29 2200 – Russian talk by man, Svoboda mentions; fair on peaks.{A} [Connelly-MA]
- 1413 **SPAIN** *RNE5* sychros JAN 20 2200 – RNE news intro; tough CJWI slop. [Connelly-MA]
- 1458 **ROMANIA** *R.România Actualitati*, Constanta JAN 20 2200 – Usual news intro with Morse “KS” (joined) in music, then lower pitch “K”; poor in mix with apparent UK station. [Connelly-MA]
- 1467 **FRANCE** *TWR Roumoules* JAN 19 2201 – Preacher in English was translated into Arabic by another man after each sentence; fair.{A} JAN 20 2200 – Woman in Arabic, string music; occasionally over WLAM slop. [Connelly-MA] FEB 9 2240 – Fair, over weak het from 1467.36 Iran; man and woman in Arabic, cheesy instrumental to 2245 interval signal and gone. [Conti-NH]
- 1503 **SPAIN** *RNE5 La Línea de Concepción//Piñeira* JAN 20 2200 – RNE news intro; poor, some echo, possible Iran under. [Connelly-MA]
- 1512 **SAUDI ARABIA** *SBC R.Quran*, Jeddah FEB 2 0200 – Koranic chanting man; poor but alone on channel.{A} [Connelly-MA]
- 1521 **SAUDI ARABIA** *SBC R.Riyadh*, Duba JAN 21 2200 – Man and woman in Arabic, marching music, talk with reverb, then a male vocal; fair.{A} [Connelly-MA]
- 1530 **ROMANIA** *R.România Actualitati*, Radauti JAN 31 0100 – Man with “hora exacta” mention, pips, fanfare music containing Morse code KS (joined); mixed with WCKY sports talk.{A} [Connelly-MA]

- 1530 **SAO TOME E PRINCIPE** VOA Pinheira JAN 13 2200 – WJDM sign-off announcement in English, mention of Cantico Nuevo program. VOA São Tome then audible with its sign-off announcement right after. JAN 15 0259 – Man with “This is the Voice of America, Washington, DC, signing on.” Yankee Doodle music; mostly over WCKY. JAN 16 2200 – Dance club music abruptly cut to go into closing announcement “This is the Voice of America, Washington, DC, signing off. For information regarding the times and frequencies of VOA programs, write to Program Schedules, Voice of America, Washington, DC 20547”; fair, dominant. JAN 21 2200 – Man “This is the Voice of America, Washington, DC, signing off.” Domestic and Romania under. JAN 28 2200 – WJDM sign-off immediately followed by VOA São Tome sign-off, “This is the Voice of America, Washington, DC, signing off. For information regarding the times and frequencies of VOA programs, write to Program Schedules, Voice of America, Washington DC 20547 or you may get a schedule from the nearest American Cultural Center or United Information Service in your country.” Fair.{A} [Connelly-MA]
- 1575 **IRAN** Qeshm JAN 31 0100 – Buzzsaw-like jammer covering UAE, Spain, et al.{A} [Connelly-MA]
- 1575 **UNITED ARAB EMIRATES** R.Farda, Al Dhabiya FEB 9 0050 – Very faint music and announcements parallel 5860 kHz. [Wood-MA]

### Glenn Hauser in Search of Transatlantic Signals

Transatlantic carrier searches, on the R75 with usual east/west long wire of about 100 feet, so no DF'ing, but better sensitivity than on the handheld DX-398 I often use for TP's around sunrise. Normally run full bore Preamp 2, but to reduce overload on MW for this, Preamp 1 or no preamp. Method: USB, set to 9 kHz steps offset 1 kHz below the 9-kHz plan, so I can hear, or not, a 1 kHz het, sometimes even amid heavy QRM 1 or 2 kHz away. 10-kHz even channels where they coincide with 9-kHz spacing are not included, of course, and some 9 kHz channels are blocked by IBOC peaks from U.S. stations. Many are JBA, but the strongest ones get a \* even though still not enough to pull any audio. Not necessarily logged in the order shown, but rearranged for convenient reference:

JAN 30 0143-0158 – 531, 621, 639, 648, 666, 684, 693, 729, 774, 837, 855, 882, 909, 936\*, 1044, 1053, 1125, 1215, 1296, 1503, 1575 kHz. 0227-0230 – 531, 549, 558, 621, 639, 711 (2 beating a few Hz apart), 729, 774, 855, 864, 882, 909, 936, 1008, 1053\*, 1089, 1098, 1116, 1125, 1161, 1215, 1341, 1413 kHz. 0720-0723 – Some are still coming in, most likely from northwest Europe: 558, 693, 846 (could be Kiritimati, which is what I have always assumed when checking only 846), 909, 936, 1044, 1053, 1116, 1197, 1215 kHz.

JAN 31 at 0058-0102 UT: 576, 693, 828, 837, 855, 882, 935, 999, 1044, 1053\*, 1089, 1179, 1197, 1215\*, 1575 kHz. No doubt experienced TA DX'ers on east coast can make good guesses about many of these.

JAN 31 0636-0647 – 549, 585, 612, 639, 666, 684 (despite WSCR IBOC), 693, 729, 747, 774\*, 783, 801, 837, no 846 not even Kiritimati, 855, 873, 882, 909, 936, 999, 1044 (2 beating), 1053, 1089, 1098, 1116, 1125, 1215, 1269, 1305 (2 beating), 1341, 1521, 1539 kHz.

FEB 2 0100-0115 – This time with the NRD-545 and ALA-330S oriented east/west. I usually prefer the R75 where it's easy to set 9 kHz steps from any starting point. In this case I have to tune 1 kHz away from each 9-kHz plan frequency on SSB. For some reason, it's mostly midband, nothing at low end and only one at high end: 882, 909, 936, 1044, 1053, 1089, 1098, 1116, 1125, 1134, 1152, 1161, 1179, 1197, 1521 kHz.

FEB 2 0648-0702 – Back on the R75 with east/west long wire. This time I am tuning 1 kHz above with LSB, which could alter the results. Ideally I should do both LSB and USB with the close frequencies. 531, 549, 558, 567, 585, 621, 639, 693, 711(seems off frequency plus), 729, 774, 783, 801, 855, 882\*, 909, 936, 954, 999, 1044(2), 1053, 1089, 1116, 1125, 1152, 1197, 1215\*, 1251 kHz.

\*Strongest ones, maybe a bit of audio on 882 kHz. 711+ is signature of Western Sahara. I also try LW but only sign of anything is 198 at 0703 UTC.

### PAN-AMERICAN DX

- 530 **CUBA** R.Caribe, Caribe JAN 14 0000 – Xylophone or similar, R.Caribe ID by woman, talk by man, fanfare music, another ID by woman, short mash-up of electronic sounds and dance club music, talk by man; loud.{A} [Connelly-MA] JAN 31 0502 – “Esta es Radio Caribe transmite de Cuba,” female announcer followed by upbeat modern Latin dance music; clear. [Capobianco-NY]
- 540 **COLOMBIA** HJKA R.Auténtica, Bogotá JAN 16 0200 – Auténtica ID; over CBT, WFLF, HICM, Rebelde, others.{A} [Connelly-MA]

- 540 **DOMINICAN REPUBLIC** HICM *Radio ABC*, Santo Domingo JAN 14 0000 – “Radio ABC” jingle, woman in Spanish, phone numbers; dominant.{A} [Connelly-MA]
- 550 **PUERTO RICO** WPAB Ponce JAN 19 0559 – WPAB ID in Spanish talk; over jumble with Venezuela, Colombia, and Cuba.{A} [Connelly-MA]
- 550 **VENEZUELA** YVKE *Mundial*, Caracas JAN 31 1000 – Over/under WGR; choral national anthem. [Conti-NH]
- 580 **PUERTO RICO** WKAQ San Juan JAN 20 2200 – WKAQ cinco ochenta IDs; to good peak. [Connelly-MA]
- 610 **MEXICO** XESAC Saltillo, Coah. FEB 4 1200 – Male giving station ID, “Escucha XESAC... XHSAC...” with fair signal. New. [Niven-TX] *Not listed in 2018 WRTH.* [Conti]
- 630 **MEXICO** XEFB *La FB 630*, Monterrey, NL FEB 3 1140 – Spanish ballad, male “La FB 630 AM, enfermos de fútbol, Radio Centro Monterrey,” and mention of “el grupo Radio Centro Monterrey.” Into soft Spanish ballad. Parallel station website stream with delay. [Krueger-FL]
- 630 **PUERTO RICO** WUNO San Juan JAN 19 0600 – WUNO 630 AM San Juan ID along with listing of other affiliates; dominant.{A} FEB 3 2300 – WUNO Seis Treinta IDs; over WPRO. [Connelly-MA]
- 710 **MEXICO** XEMP *Radio 710*, México, DF FEB 3 1212 – Mexi-tune, male studio chatter with phones ringing in the background, mentioning the date and tomorrow’s Super Bowl, “Escucha Radio Sietediez” into commercials and those weird government parties PSA’s. Very good in the 1220-1230 peak. Parallel station website stream and about 20 seconds behind. [Krueger-FL]
- 720 **NICARAGUA** *R.Católica*, Managua JAN 31 1000 – Under WGN; national anthem, sign-on as listed in 2018 WRTH. [Conti-NH]
- 739.95 **MEXICO** XEQN Torreon, Coah. FEB 5 0313 – Full ID at this unusual time, with call letters, address, mention of *R.Fórmula*. Fair on LSB. They’ve been on this off-frequency for years. [Wilkins-CO]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza JAN 16 2200 – Man in Portuguese with ID “Radio Uirapuru AM, 760 kHz, Fortaleza, Ceara” then fanfare music, talk by woman; somewhat noisy. JAN 22 2200 – Portuguese talk with Uirapuru mention evenly mixed with “WJR... Great Voice of the Great Lakes” ID.{A} [Connelly-MA]
- 760 **COLOMBIA** HJAJ, RCN, Barranquilla FEB 3 0506-0605 – Mainly under XEABC with WJR off; tropical music and mentions of Colombia. Not a new one. [Frodge-MI]
- 760 **MEXICO** XEABC México, DF FEB 3 0506-0605 – Two men and a woman in Spanish chit-chat between Mexitunes, mentions of Mexico and “capital del pais” spot; feature at 0533 with spooky music and Halloween sound effects; 0552 back to Meximusic and chit-chat; Mexican anthem on the hour then back to music, chit-chat and phone calls. Mainly on top over weaker Spanish till about 0557 when dropped away, but back on top at 0602; peaking to s20! WJR off, thanks to tip from Jerry Coatsworth. New if XEABC. [Frodge-MI]
- 780 **MEXICO** XEFST *La Poderosa*, San Fernando, Tamps. FEB 3 1203 – Very good in passing with Mexi-ballad, slogan. [Krueger-FL]
- 800 **BONAIRE** PJB *TransWorld Radio*, Kralendijk JAN 31 0210 – First evening after the new transmitter dedication ceremony. Spanish preacher and vocals, multiple ID’s at 0252. Very good to sometimes excellent, even on the junk bedside portable. Oddly though, no trace of them 0925+. [Krueger-FL] FEB 1 0240 – Religious talk and inspirational music for Cuba. “Escuchando Radio Transmundial” announcement at 0254. Bottom dropped out at 0300 with pattern change to south. It was the prevalent, if not dominant signal before the pattern change, local XEROK nulled. [Vance-TX] FEB 3 2320 – English gospel vocals, male with mention of “TWR 800 AM” a couple times and twrbonaire.com, back to English gospel. English gospel screamer from 2329 UTC. [Krueger-FL]
- 800 **MEXICO** XEDD Ojo de Agua, NL FEB 2 0135 – Prevalent with terrible audio distortion, norteño music, talk by man and woman, and time checks. ID at 0144 with XHDD (92.9 FM) mentioned first. Another ID at 0200. Dropped out at 0205, leaving PJB and KDDD in there. [Vance-TX]
- 860 **CUBA** *R.Reloj*, Jovellanos//Bolondrón JAN 31 0952 – Weak under my local WGUL. Site listed with no power, formerly listed as Jovellanos, Matanzas. [Krueger-FL]
- 890 **CUBA** *R.Progreso*, Chambas JAN 28 1059 – Over WLS; canned ID, “Radio Progreso, cadena nacional, la onda de la alegría, transmitiendo desde la Habana Cuba, primer territorio libre en América,” time check with chime marking the hour, “Seis en punto,” parallel 640 kHz. [Conti-NH]
- 959.93 unID JAN 20 2200 – Growl against 960.0 pile, not sure if foreign or domestic. [Connelly-MA]

- 1000 **MEXICO** XEFV Cd. Juárez, Chih. FEB 4 1158 – Male giving ID as “XEFV La Rancherita Mil AM... Ciudad Juárez en México,” mixed with XENLT *R.Formula* ID at fair signal. New. [Niven-TX]
- 1050 **MEXICO** XED Mexicali, BC JAN 27 1110 – In and out, banda music with frequent “La Grande D” slogan announcements. [Vance-TX]
- 1070 **MEXICO** XESP Guadalajara, Jal. JAN 27 1307 – Spanish classic U.S. rock/pop predominant initially. Low-quality signal at times. Several “Soul and Soul en Noticias diez-setenta” announcements between songs. “Soul and Soul” is the name of the program. Full ID at 1333. [Vance-TX]
- 1080 **CUBA** *R.Cadena Habana/R.Ciudad de la Habana*, La Habana-Villa María JAN 28 1100 – Under WTIC; choral national anthem. [Conti-NH]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo JAN 17 2301 – Globo ID, man in fast Portuguese with São Paulo mention, “gol” shout; over WTAM.{A} [Connelly-MA]
- 1150 **CUBA** *R.Bayamo*, Bueycito JAN 28 1100 – Under WWDJ; canned ID and chimes parallel 1620 kHz. [Conti-NH]
- 1170 **COLOMBIA** HJNW *Caracol Radio*, Cartagena JAN 13 2300 – “Caracol Radio presenta el himno nacional de la republica de Colombia” into anthem; alone on channel. JAN 19 0600 – Ultima Hora Caracol and Caracol Radio mentions; over WWVA.{A} [Connelly-MA]
- 1350 **MEXICO** XELBL San Luis Río Colorado, Son. FEB 2 1309 – ID with “Theme From the Magnificent Seven” background music; ID included call letters, power (8000 watts), and address (just partially readable); XE anthem followed. They always play the anthem about this time. Fair at best with interference. [Wilkins-CO]
- 1380 **MEXICO** XECO México, DF JAN 27 1159 – ID, “XECO, Romantica trece-ochenta AM...” into baladas. [Vance-TX]
- 1410 **MEXICO** XEBS *Bandolera 1410*, México, DF FEB 3 1118 – Mexi-tune ending, male canned slogan, which is also dumped on top of some of the songs near the conclusion. Parallel Streema feed, though about 50 seconds behind. Excellent at times. Already on 25 kW day power? [Krueger-FL]
- 1470 **MEXICO** XERCN Tijuana, BC JAN 18 1400 – National anthem; ID at 1402 simply as “RCN Catorce Setenta AM”; PSA’s followed. Fair/poor. [Wilkins-CO]
- 1700 **MEXICO** XEPE Tecate, BC JAN 28 1129 – ESPN programming with good signal, then male with local ID, “...on San Diego’s ESPN 1700.” New. [Niven-TX]

### CONTRIBUTORS

Tony Capobianco, Sea Cliff NY; R390A, Kiwa Loop.

Mark Connelly WA1ION, South Yarmouth MA; Microtelecom Perseus, cardioid-pattern SuperLoop antennas 10m vert. by 11m horiz. (peak 165°, null 345°) and 9m vert. by 20m horiz. (peak 90°, null 270°), {A} in entry indicates audio at [www.qsl.net/wa1ion/doc1/audio\\_2018.htm](http://www.qsl.net/wa1ion/doc1/audio_2018.htm).

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

Harold Frodge, Midland MI; Drake R8B, 185-ft random wire.

Glenn Hauser, Enid OK; NRD-545 with ALA-330S or north/south not very long wire, DX-398 or PL-880 with internal antenna only, sometimes IC-R75 with ~100-ft east/west longwire.

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

James Niven, Cedar Creek TX; Elad S2, Drake R8, DKaz antennas 140 x 23-ft high east and south, Ewe antennas 100 x 15-ft east and west, 150-ft long wire.

Robert Vance; El Paso TX; WiNRADiO G33DDC, various indoor and outdoor loop antennas.

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

Stephen C. Wood, Harwich MA; Perseus SDR, 20 x 40 terminated SuperLoop antenna.

73 and Good DX!



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# December 2017 Kona, Hawaii Ultralight DXpedition

Long-Range Travel Excitement with a TSA-Friendly FSL Antenna

Gary DeBock, Puyallup WA, USA January 2018

From December 17-20 I had the chance to chase Pacific island and Asian DX from an ocean side beach alongside my motel in Kona on the west coast of the Big Island of Hawaii. My DXing gear was a new 7.5" (19cm) loopstick C.Crane Skywave SSB Ultralight radio and a TSA-friendly 5" (13cm) diameter "Frequent Flyer" FSL antenna. This was a compact FSL specifically designed to fit in hand-carry luggage, and pass easily through airport security checkpoints. Despite the compact size, it provides inductive coupling gain roughly comparable to that of a 4 foot (1.3m) air core box loop. The modified portable was able to track down several "big gun" TP's all by itself at S9 levels, but the 5" FSL made all the difference in digging out the weaker stations. Because of RFI in my motel room all my DXing was done at an ocean side lounge area on the Royal Kona Resort property – a somewhat curious arrangement that drew some stares from those who had never been fortunate enough to get hooked on ocean beach transoceanic DXing.



Of course, Hawaii is much closer to several exotic Pacific island stations than the North American west coast, so checking out the signals and formats of stations like 540-2AP in Samoa, 621-Tuvalu, the newly rejuvenated 846-Kiribati on Christmas Island, 1017-A3Z in Tonga, 1098-V7AB in the Marshalls and 1440-Kiribati on Tarawa was a high priority. All of these are routine DX catches in Hawaii, although during December they usually had only a couple of hours after our local sunset before getting hammered by overwhelming signals from the Far East.

The term "chase DX" was a little misleading for this trip, since I was pretty much swamped with huge Asian signals from 0730-1030 UTC every evening – to the point where sunrise TP-DXing was foregone because my digital recorders were already becoming maxed out. The stampede of Asian signals every evening resulted in pretty wild snarls with the Pacific Island DU's, as well as potent mixes of Japanese, Chinese and Korean stations. South Korean "Beehive" jammers added to the confusion on 801, 819 and 855, while two Chinese stations and the NHK1 Synchros were fighting it out on 837. Trying to sort out and identify all the Chinese stations was impossible in the confusion, and even the idea of sending out some type of coherent daily TP-DXing summary seemed impossible because of the large number of wild Asian recordings. Several frequencies were so snarled that even the recordings didn't help. The only strategy that could work was to "record like mad" in Hawaii, and then upon return home write up a detailed summary after extensive file review.

After all the dust had settled, the overall results from this lightweight DXpedition went well beyond expectations, with reception of several Asian stations which apparently hadn't been heard on the west coast of North America for quite a few years – and a few which don't seem to have been heard there at all (the South Korean jammers on 801 and 855, and the relatively new 1611-DWNX). The freedom of DXing with a highly portable FSL antenna allows a DXer to quickly set up almost anywhere to follow exceptional propagation – and the west coast of the Big Island certainly delivered it during this trip! Even though the "Frequent Flyer" FSL is relatively compact and lightweight, Hawaii's ocean-boosted propagation kicked in like a turbo boost, making it seem like I was on the east coast of Asia at times. After carrying my portable DXing gear down to the ocean beach each evening, I enjoyed three of the most exciting TP-DXing sessions anyone could ever hope for.

The loggings and recordings listed below include several powerful stations which maxed out the Ultralight portable's bar-graph S-meter, which are identified with **bold and underline**. For anyone feeling bored with his AM-DXing hobby, I strongly recommend a trip to Hawaii as the ultimate, permanent cure!

- 540 **SAMOA 2AP**, Apia, 5 kW. Christian worship music at a fairly good level through the T-storms at 0751 on 12/17, but not nearly as strong as in April <https://dreamcrafts.box.com/s/bgnooywkpnt3et7vcnxz0wmx3gdin1o2>.
- 558 **UnID** Japanese-sounding intonation for a few seconds at 0933 on 12/18, but a little too much Maui splatter to be sure <https://dreamcrafts.box.com/s/7mijy4ayyz2xpjjl9e893i46ud31138z>.

- 603 **REP KOREA** HLSA, Hwaswong, 500 kW. Modest-level Korean male conversation and American classic pop ("I'd Love You to Love Me," by Lobo) at 0922 on 12/20 <https://dreamcrafts.box.com/s/0wc2ljb23siw9xalnrsdqk5mtt70p900>.
- 612 **JAPAN** JOLK, Fukuoka, NHK1, 100 kW. Japanese male and female speech at 0920 on 12/20, but not a good performer for the power level <https://dreamcrafts.box.com/s/6hefy6p87kc8hrm69wai6lo2wncwc40x>.
- 612 **UnID** Female-voiced English speech and unusual music at 0904 on 12/18; Chuck and Mauno have suggested ABC (4QR) as a possible source, and although no other Australian stations showed up during the trip, that seems like the most likely possibility <https://dreamcrafts.box.com/s/wap9svgfchami7n4s1iop4z2z5cjjgki>.
- 621** **CHINA** (Heilongjiang?) This prolific station was one of three powerhouses (along with North Korea and Tuvalu) which made the frequency a snarling mess on most evenings. It seemed to get a major boost whenever it was competing with Tuvalu, such as at 1002 on 12/18 <https://dreamcrafts.box.com/s/w4ulfpkb1dbwou2rrjg3ncpnar56mrar>. When it was all alone it was somewhat more sedate, as at 1010 on 12/18 <https://dreamcrafts.box.com/s/7yjilvl4v0vbp8fqskagxtz48ql62e5t>.
- 621** **DPR KOREA** Pyongyang BS/Voice of Korea, Chongjin, 500 kW. The buzzing transmitter of North Korea's Japanese service had serious power, snarling both Tuvalu and China at times. The usual North Korean music was played, with robotic Japanese announcers voicing adulation of Kim Jong Un and his ancestors. This typical music was at 0850 on 12/20 <https://dreamcrafts.box.com/s/rhfkfs381csgtohluxt3e97tjf79fsh>. ID in Japanese by lady at 0951 on 12/20, followed by the usual ancient music <https://dreamcrafts.box.com/s/7cz1yookph18wqi0o9ycckz135eypc50>.
- 621** **TUVALU** Radio Tuvalu, Funafuti, 5 kW. This station had very strong signals until around 0800 on most evenings, when it began to be pestered by Chinese and North Korean co-channels. It also came down with a garbled audio issue on December 18th, which continued to get progressively worse until I left Hawaii. Sign off time is still around 1006, but by that time it ran the gauntlet of powerful Asian co-channels during the December propagation. Local employment offers read by the usual lady announcer at an S9 level at 0750 on 12/18. This was the last undistorted audio signal recorded from the station during this trip; after this the audio went "south" <https://dreamcrafts.box.com/s/8w8ht0f9k2j87dok77ho23msxoidqgy6>. Guest speaker in Japanese-accented English, followed by local island-type music at 0835 on 12/18-- the first sign of audio distortion <https://dreamcrafts.box.com/s/izdocq942897mvdxa0xjksufztnh46d>. Full Radio Tuvalu sign off routine at 1003 on 12/18, but with some China QRM initially. Tuvalu's signal prevails during the national anthem, but the audio distortion is quite noticeable. The carrier apparently stays on for over a minute after the audio stops <https://dreamcrafts.box.com/s/2po3xafysydiwa6suvpljn0xau5i31uq>.
- 630 **UnID** While trying for the Cook Islands (Rarotonga) I came across this weak Christmas music with English speech at 0742 on 12/17. This could just as easily be a west coast domestic station playing the "exotic" to fool a hopeful DXer, though. Walt says this station is a notorious underperformer <https://dreamcrafts.box.com/s/53olvqc33py6081jy17qrjwy0ms9mn5c>.
- 657** **DPR KOREA** Pyongyang BS, Kangnam, 1500 kW. The usual west coast North Korea big gun was often troubled by Honolulu splatter but pretty strong when it broke through, as at 0857 on 12/18 <https://dreamcrafts.box.com/s/unaxxl72uzejpa59plxo2w3sonzdfqx>.
- 666** **JAPAN** JOBK, Osaka, NHK1, 100 kW. Predictably strong with Japanese male conversation //675 at 0918 on 12/20; because 594 was covered with Honolulu splatter, this and 729 were the strongest NHK1 stations <https://dreamcrafts.box.com/s/5sm6pogm45wuukbggvhb8q9i8klpyqh5>.
- 675 **JAPAN** JOVK/JOUG, Hakodate/Yamaguchi, NHK1, 5 kW/5 kW. Very good signal for these lower-powered relays at 0915 on 12/20 <https://dreamcrafts.box.com/s/kz267eu3w8ev2a0vodqxuc9iw4927y94>.
- 675 **UnID-TP** Asian language co-channel mixing with NHK1 synchros at 1003 on 12/19; sounds like Chinese or Vietnamese <https://dreamcrafts.box.com/s/l7jxb9q34pgeslfn8ftn5rpbhikxofxr>.
- 729 **JAPAN** JOCK, Nagoya, NHK1, 50 kW. Very good signal with Japanese female speech at 0856 on 12/20; slight trace of a Chinese co-channel was heard underneath at times <https://dreamcrafts.box.com/s/5huzbw1mmbc2jyf8gx5hojyqb577ppi>.
- 747** **JAPAN** JOIB, Sapporo, NHK2, 500 kW. This was the strongest Japanese station overall, usually with local-like signals and never any co-channels. These NHK2 English lessons at

- 0913 on 12/19 were at typical strength  
<https://dreamcrafts.box.com/s/5v5byw2vzv7azxhzrgsz6j591qwtxyv>.
- 774 JAPAN JOUB, Akita, NHK2, 500 kW. Plenty strong, but not quite up to its 747 parallel's level. This Japanese stock market report at 0833 on 12/18 was at its usual strength  
<https://dreamcrafts.box.com/s/p9aiqrhx4ji22gwc7nehalybl46cetj0>.
- 783 CHINA (Voice of Strait?) Good signal with Chinese opera every night around 0900. This female-voiced opera was at 0916 on 12/19  
<https://dreamcrafts.box.com/s/2fajh29wb6givv89f0sl30iwzsqmuz9l>. Male-voiced opera at good strength at 0914 on 12/18  
<https://dreamcrafts.box.com/s/6hg82m62pvgryla5fw7cyrww0ezdaipq>.
- 801 DPR KOREA Pyongyang BS, Hwadae, 500 kW. This was the weakest of the five North Korean stations received, and it was often pestered by the South Korean "Beehive" jammer on the frequency. It was strongest at 0842 on 12/20 with this ancient vocal music  
<https://dreamcrafts.box.com/s/e4kr0asg24d1ujyk74zztcbl8aepazh>.
- 801 REP KOREA Jammer South Korean "Beehive" jammer mixing with Pyongyang BS' female vocal music at 0928 on 12/18. This was the usual strength of the North Korean station (pretty anemic), and also the usual strength of the jammer  
<https://dreamcrafts.box.com/s/dlc8dtz38x43fva84wcsy1bk15lf4r>.
- 801 UnID-TP (Guam?) During a fade in the Pyongyang BS/Jammer signal this apparent Christian-format female vocal music was received at 0931 on 12/18, but there was nothing definite to determine identity  
<https://dreamcrafts.box.com/s/26c2k3bqxnv0s0qhabsg9xx8518jukdd>.
- 819 DPR KOREA KCBS, Pyongyang, 500 kW. Far and away the strongest North Korean station, and one of the top three Asian signals on the band each evening (along with 747-JOIB and 981-CNR1). Bizarre, ancient music and stern monologs were common, along with weird girl-group choral numbers at overpowering strength [like this one from the Moranbong Band ("Your Bosom is the Best")\* at 1035 on 12/19  
<https://dreamcrafts.box.com/s/gj2deffl7mjuzqr5tocsro100sfhqll9> . "Let's Defend Socialism," originally by the Pochambo Electronic Ensemble\*\* (another girl group) building in strength at 0823 on 12/20 <https://dreamcrafts.box.com/s/h0gksa2xxmb8ql3ofqalo7j9o4yt1y3q>. Ancient music, ID and 3+1 time pips at 0930 on 12/20 (both the country's TOH and the time pips are on the half hour)  
<https://dreamcrafts.box.com/s/v7q9eniu9qq1f27rbq97v4c9zbni2eha>. (\* Video at <https://www.youtube.com/watch?v=3nVEo-R38-I>. \*\*Video at <https://www.youtube.com/watch?v=BIoOPH7kpCs> Thanks to Chris Kadlec for the information and links)
- 819 REP KOREA Jammer South Korean "Beehive" jammer mixing with KCBS in between songs at the 22 second point (just after the female vocal music) at 0853 on 12/18  
<https://dreamcrafts.box.com/s/1ueov463q72ht02yq6zi5kcyidnwc4n9>.
- 837 CHINA Mix. Two Chinese stations were fighting it out on this frequency almost every evening, such as at 0937 on 12/20. Occasionally they were joined by the NHK1 synchros  
<https://dreamcrafts.box.com/s/biy1925kesbxsgwhij39x149lsv7xjs6>.
- 837 JAPAN NHK1 Synchros. Female Japanese speech mixing with Chinese at 0946 on 12/18 around the 2:00 point in the recording  
<https://dreamcrafts.box.com/s/euzbecedflx35p4qz3z5l2l3dypv20bh>.
- 846 KIRIBATI Radio Kiribati, Christmas Island, 10 kW. This newly rejuvenated station had awesome signals, and was overall the strongest Pacific island station received. Of all the Pacific island DU's it faded in at the earliest time after sunset, and maintained its strength even during strong Asian propagation – as long as it managed to transmit without its signal dropping out. Unfortunately this seemed to be a pretty common occurrence while I was in Kona. Island-type music at typical S9 strength at 0735 on 12/18  
<https://dreamcrafts.box.com/s/7sb6luietjmx0fdghwqedi9x5splos1n>. This segment at 0620 UTC on December 17th features 6 signal dropouts within one minute  
<https://dreamcrafts.box.com/s/shqpg3c3yuhz4fzvnkhkhkvgzamg4s6do>. This segment at 0944 UTC on December 18th is even worse-- 9 dropouts in 90 seconds  
<https://dreamcrafts.box.com/s/vxzww9x8wc9hwqgj4xye2b12fzbtbtsk>. After a prolonged 846 transmitter dropout it seemed like the programming time delay between the distant 1440-Kiribati on Tarawa Island and the new 846-Kiribati on Christmas Island would change. On December 17th I recorded two different time delays – 19 seconds, as in the following recording (the MP3 starts out on 846 at 0635, switches to 1440 at the 1:02 point, then switches back to 846 at the 1:34 point, with a 19-second time delay evident between the 1440 and 846 programming (846 lags behind)



- <https://dreamcrafts.box.com/s/leyyz3kj8aarsu4gwp24czdwp0onbk22>. Later on the same evening there was a 36 second time delay between 1440 and 846, with this MP3 starting off on 1440 at 0645, and switching to 846 at the 11 second point <https://dreamcrafts.box.com/s/0w1an6509xvgow2aq9i7lxfyfhx1gend>.
- 855 **DPR KOREA** Pyongyang BS, Sangwon, 500 kW. Medium-strength North Korea station playing the usual ancient music and stern monologs, complete with its own South Korean jammer at times. This female Korean speech was at 0832 on 12/20 <https://dreamcrafts.box.com/s/34r4oayh63kxxigc6hisu3t5bfhz1yeb>.
- 855 **REP KOREA** Jammer. "Beehive" jammer having the edge over Pyongyang BS' ancient music at 0948 on 12/18; this was the most prolific South Korean jammer in Kona, although not anything close to the old 1053 noisemaker <https://dreamcrafts.box.com/s/tzaes67fcgw8rdymhdh9n93mmt7x7r3k>.
- 864 **UnID TP-Mix** Apparent mix of Japanese male and Korean female (KBS?) speech at 1017 on 12/19, but nothing definite to nail down either one <https://dreamcrafts.box.com/s/is6djygeafwu3ny04em5a97ce8sskb6t>.
- 873 **JAPAN JOGB**, Kumamoto, NHK2, 500 kW. A rather modest performer for the power level, it had a weak Chinese co-channel at times, such as during this Japanese stock market report at 0904 on 12/18 <https://dreamcrafts.box.com/s/bgkiq9nkxhs4exoeu0izd45n1cwg7nbl>.
- 891 **JAPAN JOHK**, Sendai, NHK1, 20 kW. Good performance for the power level, but broadcasting on an already occupied frequency (snarling with KBS in Busan) <https://dreamcrafts.box.com/s/9189zf266ul3qwkw59n7inbyzrms33ym>.
- 891 **REP KOREA HLKB**, Busan, KBS, 250 kW. The strongest South Korean station, but usually in a snarling mix with NHK1's JOHK, as at 1023 on 12/19. KBS usually had the edge, however <https://dreamcrafts.box.com/s/9189zf266ul3qwkw59n7inbyzrms33ym>.
- 909** **UnID-CHINESE** Bizarre chanting by children in apparent Chinese at a very strong level at 0956 on 12/18; Chris Kadlec says this may be from CNR6 (1000 kW) in the Hakka dialect <https://dreamcrafts.box.com/s/0siozv0ojkty9ocy0gzl40bnfrp7qxp0>. A somewhat extended version of the above recording is linked below, with various other TP's mixing in at times <https://dreamcrafts.box.com/s/ze1djts64rzemp4q0aeehqlw24n6xg4>.
- 918 **CHINA** China Shandong, 200 kW. Half hour time pips (4+1?) and Chinese ID at 1:00 into the recording at 1029 on 12/19, but generally mixing with an UnID Japanese station <https://dreamcrafts.box.com/s/6vo2vgwdev2jzm6vnovu2ddkucaxwojm>.
- 918 **UnID-JAPAN** Japanese intonation by female speaker at 1029 on 12/19, but nothing definite to determine which one of four Japanese stations is in the mix with Shandong <https://dreamcrafts.box.com/s/6vo2vgwdev2jzm6vnovu2ddkucaxwojm>.
- 981** **CHINA** CNR1 Synchros, Changchun/Nanchang, China, 200 kW/200 kW. This was one of the three strongest Asian signals during the trip (along with 747 and 819), with awesome strength every night after about 0800. It was easily capable of running S9+ on the modified Ultralight alone, and never allowed a trace of any co-channel. Top of the hour CNR ID and Chinese news at S9+ strength at 0900 on 12/18 <https://dreamcrafts.box.com/s/ajtu6lmchs7e8fjgom3bg6lsbclrc0s6>. Chinese news and conversation at local-like strength at 0955 on 12/20 <https://dreamcrafts.box.com/s/x00iyrijgtt21zew0ckcsmcc3jgmcphh>.
- 1008 **JAPAN JONR**, Osaka, 50 kW. Fast-paced Japanese conversation by man and woman at 0857 on 12/19 <https://dreamcrafts.box.com/s/9a7d2m5wj3v5i1gypcapb8b8j7jy0hwm>.
- 1017 **TONGA** A3Z, Nuku'alofa, 10 kW. Female native language speech at a very good level at 0858 on 12/19 <https://dreamcrafts.box.com/s/j6n0mh0afz5h35cpspcbym2p8xsma4e7>. Somewhat weaker through the T-storms on 12/17 at 0734 <https://dreamcrafts.box.com/s/hyusuqyu12t8gyxh75goxxwkw5xt7u8r>.
- 1053 **CHINA** (Hubei?) One of the stronger Chinese stations, capable of hitting S7 at times. It would usually snarl with JOAR, occasionally dominating the frequency <https://dreamcrafts.box.com/s/4a36b4075jryao2oxpzdgi6t89nw9vd>.
- 1053 **JAPAN JOAR**, Nagoya, 50 kW. This Japanese commercial stations was one of the stronger ones (after 1134 and 1440), but almost always in a mix with China <https://dreamcrafts.box.com/s/18ogwd1ov669aios0npchc759xu77x8>.
- 1098 **MARSHALL ISLANDS** V7AB, Radio Marshalls, Majuro, 25 kW. This station was very strong in Kona with its island music every night, and rarely had any Asian co-channels. S9 Island music and native language speech (and possible ID) across the 0700 TOH on 12/17 <https://dreamcrafts.box.com/s/plc05sfu6nffulhpaq64v4nzs2jzm7ow>. Equally strong island music and native speech at 0813 on 12/18 <https://dreamcrafts.box.com/s/9se2sxx5nx0x56hja0hy4h911vwdmd61>.

- 1134** JAPAN JOQR, Tokyo, 100 kW. Far and away the strongest Japanese commercial station, this broadcaster ran roughshod over the presumed KBS co-channel. Fast-paced conversation and rock music was at S9+ strength at 0945 on 12/20 <https://dreamcrafts.box.com/s/vuz44h2ei0bxrl2e006jg1q2em27mduz>.
- 1134 UnID (KBS?) Weakly audible under the Japanese big gun at times, such as at 0943 on 12/20 <https://dreamcrafts.box.com/s/2y4m3s7afd80lhjp80qh0pboovcj6fi5>.
- 1143 JAPAN JOBR, Kyoto, 20 kw. Japanese male speech at 0941 on 12/20 <https://dreamcrafts.box.com/s/r3bmd1326uzyskhztajp714p786qr1up>.
- 1143 UnID-CHINESE Chinese female speech in a mix with JOBR at 0942 on 12/20; unable to check 738 for Taiwan parallel (Maui semi-local on 740) <https://dreamcrafts.box.com/s/o5gfabu4quvb71zw0hn1rkgs494w25pf>
- 1386 JAPAN NHK2 Synchron (4 stations) Very good level Japanese female speech at 1033 on 12/19 <https://dreamcrafts.box.com/s/byfpni35jh5trm6gk8zq1quqq7bur60u>.
- 1431 UnID-TP A fairly strong Asian station was on this frequency at 0855 on 12/18, playing vocal music in apparent native language at first, before switching to English for "O Holy Night" <https://dreamcrafts.box.com/s/c387erhd4d60nvwoo6s6yzmm47it5m3z>.
- 1440 KIRIBATI Radio Kiribati, Bairiki, Tarawa, 10 KW. Somewhat weaker than its rejuvenated 846-Christmas Island parallel (which has variable programming delay times, as explained above), this home transmitter could hold down the frequency until around 0800 every night, after which it was usually hammered by JOWF in Sapporo. Despite this it often put up a good fight until its new sign off time of 1009, and it continues to use the loud 1000 Hz tone right before the power is cut (an awesome aid for DXers hoping to ID the station through heavy QRM). Typical island language speech and strength level at 0830 on 12/18, just as it is starting to get jumbled by JOWF (a Japanese female "Sapporo desu" ID is at 25 seconds) <https://dreamcrafts.box.com/s/7kc0bmbzt0beglp6saca5xc6cb6sipi2>. Full sign off routine at 1005 on 12/19, including the National Anthem and the 1000 Hz tone before the power is cut. The tone gets through the JOWF QRM like a DXer's dream <https://dreamcrafts.box.com/s/79v68rumi2mcmamxgu1vy5rwn989z4bp>. 1512 UnID-Chinese At least one female-voiced Chinese station (and possibly another) is in this mix at 0913 on 12/20 <https://dreamcrafts.box.com/s/4lynixbrlq1ffq96j52h35jewckn3jzi>.
- 1593** CHINA CNR1, Changzhou, 600 kW. After 981 this was the strongest Chinese station, but it could never quite shake off its pesky NHK2 co-channel. This Chinese female speech was mixing with NHK2 English lessons at 1003 on 12/20 <https://dreamcrafts.box.com/s/py5yq9vhrbu8bryhhahjdl2de84peljz>.
- 1593 JAPAN JOTB/JOQB, Matsue/Niigata, NHK2, 10 kW/10 kW. Surprisingly strong for their power, these stations often jumbled up CNR1's programming. This Japanese stock market report was at 0845 on 12/19, before the usual CNR1 fade in around the Chinese sunset <https://dreamcrafts.box.com/s/9y99u05zu54vprn71p0c0o95woe8jn1z>.
- 1602 JAPAN NHK2 Synchron (multiple 1 kW stations). Japanese stock market report at fair strength (with slight echo effect) at 0849 on 12/19 <https://dreamcrafts.box.com/s/trh3tmo2jqrir5ya7tbs13gf6rksjomp>.
- 1611 PHILIPPINES DWNX, Naga City, Luzon, 5 kW. (Thanks to Hiroyuki Okamura, Satoshi Miyauchi and Mauno Ritola for ID help) Received at 0855 on 12/19, this station was a mystery until the Japanese friends matched the advertising format with that of a new, unlisted station which just came on the air in the Philippines. The propagation apparently got a major boost during sunset at the transmitter <https://dreamcrafts.box.com/s/s12yozghmuy3bwm9ionb79gfev85bjja>.

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