



DX MONITOR

The official publication of the
International Radio Club of America

January 12 2019 – Volume 56 Number 19 – Edition 1796 – ISSN 899-9733

IRCA welcomes: **Steve Hinman** – Castle Rock CO. DX and report often! **Seattle** deadline for our next issue (V56_N20) is **Monday 01/14/19 4 PM PLT** – pb

2019 IRCA/DecalcoMania Convention

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The 2019 IRCA Convention will be held on September 5, 6 and 7 at the Courtyard by Marriott Seattle Southcenter, 400 Andover Park West, Tukwila WA 98188. Registration is Free. Banquet (TBA) will be paid for individually by attendees. Guest room rate is \$109 plus tax. Guests are encouraged to share a room and save. Phone number(s) for room reservations are 800-321-2211 or 206-575-2500. You must mention International Radio Club of America Convention to get this rate. Hotel is 2 miles east of Sea-Tac Airport. There is also an Amtrak station in Tukwila just Northeast of the hotel. Parking at hotel is free. There are many restaurants and stores nearby and inside the hotel. Other amenities include business center, pool, free Wifi, etc.... Visitor's bureau is online at visitseattle.org. Your host for this event is Mike Sanburn: mikesanburn@hotmail.com

Here is the reservation link your guests can use to make online reservations: https://www.marriott.com/meeting-event-hotels/group-corporate-travel/groupCorp.mi?resLinkData=International%20Radio%20Club%20of%20America%5Eeasc%60IRCIRCA%60109%60USD%60false%603%609/5/19%609/8/19%608/15/19&app=resvlink&st%60top_mobi=yes. If you have questions or need help with the link, please do not hesitate to ask. We appreciate your business and look forward to a successful event. Individuals may also call toll free, 1-800-359-8233, refer to group code "IRC".



CALL FOR NOMINATIONS – **Nick Hall-Patch** – 1538 Amphion St – Victoria BC Canada V8R 4Z6
Email: nhp@ieee.org

Nominations for the IRCA 2019 Elections:

IRCA members, it is time to think about who you would like to represent you as the next club President, Secretary-Treasurer and Board of Directors. Their terms will start on September 15th 2019 per the IRCA Constitution, Article III, Section 5, Part 2. Nominations will be open for President, Secretary-Treasurer, and seven members of the Board of Directors from December 15 2018 through **January 31st 2019**. Only one nomination each for President, Secretary-Treasurer, and only seven nominations for the Board, shall be allowed each IRCA member. An eligible member may nominate his or herself. All nominations must be submitted in written (Email) form to the ECC by **January 31st 2019**.

Nominations Are Open for the TVA and RHA for 2018-2019

Ted Vasilopoulos Award (TVA)

Ted Vasilopoulos was a charter member of IRCA who died in 1965, and was known for his high DX standards and contributions to the club. This award in his honor is presented to the IRCA member who has contributed the most to IRCA and the DX hobby during the past several years. The following persons have won the TVA in the last five years and are ineligible this year: **Phil Bytheway, John C Johnson, Gary DeBock, Eric Bueneman and Nick Hall-Patch**.

Ric Heald Award (RHA)

Ric Heald was an enthusiastic IRCA volunteer and contributor. In 1995, after his passing, the RHA was created to recognize the IRCA member who most benefited the club in a particularly noteworthy way during the previous year. The following persons have won the RHA in the last three years and are ineligible this year: **Brandon Jordan, Mark Durenberger, and Ernest Wesolowski**.

All nominations, including a brief statement supporting the nomination, should be sent to Nick Hall-Patch, at nhp@ieee.org
All nominations must be received no later than **January 31 2019**.



CANADIAN RADIO NEWS – **Dan Sys**
Email: sysdan@gmail.com

For December 2018, January 1 2019:

CALL LETTER DATA

600 BC Vancouver CHOF-cp Will become CKSP.

PROPOSED AM TO FM CONVERSIONS

1450 ON Hudson CKDR-3 Move to 97.5 with 27 watts.
1140 QC Matagami CBF-4 Move to 97.7 with 130 watts.



WESTERN DX ROUNDUP – **Nancy Johnson** – 2922 S Olivewood – Mesa AZ 85212-2923
Email: NancyJohnson@prodigy.net

WDXR DEADLINES: Jan. 11, Jan. 18, Jan. 25, Feb. 1, Feb. 8, Feb. 15, March 1, March 15, March 29, April 12, April 26, May 10. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-9444 W. Newport Dr.-Sun City AZ 85351 desertmoon_dxshack@inbox.com
HQ-140X and loop, Satellit 205/T.5000, RF-2200, SW-2000269 and Terk loop
- (BB) **Bill Block**-Prescott Valley AZ billblock@cableone.net
R8, Wellbrook ALA1530LNP
- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 John_Johnson@prodigy.net
SDRplay RSPduo, Wellbrook ALA1530LNP
- (JP) **Jon Pearkins**-Edmonton AB jon@pearkins.com
Sangean PR-D15 on batteries with internal 200 mm ferrite bar
- (AWP) **Art Peterson**-Richmond CA awpeteronrpf@att.net
JRC NRD-545, Radio Plus Quantum ferrite loop, Bonito Boni-whip active antenna

(MS) **Mike Sanburn**-PO Box 1256-Bellflower CA 90707-1256 mikesanburn@hotmail.com
Sangean DT 160 Ultralight

- *****
- 650 KMTI **UT**, Manti 12/31 1740 local weather, ad spots and local references. Steady with fair signal. 3:40pm locally. (RB-AZ)
930 KROE **WY**, Sheridan 12/30 2059 with weather report then "News Talk 930 KROE and 103.9 Sheridan." (BB-AZ)
+12/31 weak mixing with KSEI at 0800 with "News, talk 930 KROE Sheridan" into news. New for me. (JCJ-AZ)
980 KVLV **NV**, Fallon 12/29 1000 sing-on with "KVLV, Fallon, Nevada" into network news. Jumped right out at me suddenly with clear ID and good signal.
(AWP-CA)
KDSJ **SD**, Deadwood heard 12/30 at 2026 with local sports and at 2029 "980 KDSJ." (BB-AZ)
1060 KKVV **NV**, Las Vegas heard 12/31 at 2100 with "KKVV Las Vegas." (BB-AZ)
KFOY **NV**, Sparks heard 1/3 at 2050 with a very slow "K-F-O-Y" in English. (BB-AZ)
1110 KBND **OR**, Bend 12/29 0058 ID "only on ?-FM and KBND" tag to long Rush Limbaugh Show promo, very strong with KFAB nulled. 1/2 0106:20 ID then
Coast to Coast at 0107; even in KBND null KFAB was barely over KBND. C2C also on KFAB but at least a minute ahead of KBND. Likely non-
directional (day pattern), possibly on 10kw day power as their 5kw night pattern sends almost no signal in my direction. (JP-AB)
1120 KPNW **OR**, Eugene 12/29 0100 "Newsradio 11-20 KPNW" very strong in KMOX's null. (JP-AB)
KANN **UT**, Roy 12/31 1730 ID by slogan, emotional Christian rock ballads. Steady and strong a couple hours before sunset on SW-2000629, Terk loop.
(RB-AZ)
+1/2 0052-0103 dominant and mostly very strong with sosradio.net ID at 0057:30 following religious talk: "In Touch" with Charles Stanley. Then into
two songs, both male singers doing modern religious music, separated by legal ID at 0102:30 "KANN Roy-Ogden-Salt Lake City" by male. Likely
on 10kw day power. (JP-AB)
1140 KXST **NV**, Las Vegas 1/1 1045 one hour and 1/4 hour after sunrise, semi-local sounding with barefoot Grundig Satellit 205. Local ad spots and
references. (RB-AZ)
1160 KSL **UT**, Salt Lake City 1/1 1500 usually not considered big-time DX catch, but this is 6 hours after local daybreak; 4 hours before sunset (give or take
minutes). ID by man, some talk of Utah Jazz, then local ad spots to news program. Steady, fair to good on RF-2200. (RB-AZ)
1230 KOTS **NM**, Deming 12/28 mixing with others in KOY null. 0000 surfaced with "You're listening to 1230 KOTS Deming New Mexico" legal ID into news.
First time heard. (JCJ-AZ)
1260 KPOW **WY**, Powell 12/29 0500 "12-60, K-Pow, Powell" over western music with steel guitar. Solid and dominant over the channel on big Grundig (Satellit
205). (RB-AZ)
1330 KOVE **WY**, Lander 12/31 1745 string of country songs to man "13-30 KOVE." Good ID at 1800 (by now mixing with another country station), but plain as
day "KOVE Lander." I was surprised as I was expecting a Navajo announcer from the reliable KGAK. First log for me. (RB-AZ)
1350 KLHC **CA**, Bakersfield 12/31 dominating 1350, must be on daytime power. 0000 out of oriental language with "KOBO 1450 AM Yuba City, KIID 1470 AM
Sacramento, KWRU 1300 AM Fresno, KLHC 1350 Bakersfield" ID in English. First time heard. (JCJ-AZ)
1390 KENN **NM**, Farmington 12/31 1900 ID, Fox news, local weather and ad spots. Steady and good on Hammarlund, loop. (RB-AZ)
1410 KTNK **CA**, Lompoc 12/31 0853 strong signal with spot for Earls TV Rental, ID mentioned AM and FM frequencies, into country music version of "Hells
Bells." First logged here many years ago as KKOK, and they were C&W format then too. (MS-CA)
1430 KLO **UT**, Ogden 12/31 0849 very good in null of local San Gabriel, CA station. Clear ID "1430 KLO," into their new Adult Standards format, song "Start
All Over Again." (MS-CA)
1640 KDIA **CA**, Vallejo 12/28 0800 ID by man then to religious monologue. Very solid, strong over the channel on RF-2200. (RB-AZ)
1650 KBJD **CO**, Denver 12/31 1600 ID, local references, man in Spanish with religious monologue. Steady and good on SW-2000629, Terk loop. Over three
hours before local sunset. (RB-AZ)

UnID

1490 UnID 12/25 0622 ESPN ID coming from easterly direction. (MS-CA)

Thank you for the WDXR reports this week! – Nancy 1/4 1900



CENTRAL DX ROUNDUP – John C Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
Email: John_Johnson@prodigy.net CDXR reports ONLY: cdxr@ircanonline.org

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood MO NOUIHEric@gmail.com
CountyComm GP-5/SSB Ultralight receiver, Grundig AN-200 tunable loop, Yaesu FRG-7, Worcester Space Magnet II

DOWN THE DIAL

- 710 WAQI **FL**, Miami. 12/31 fair signal over WOR, Cuba. 0505 with local spots, news and discussion, "Radio Mambi La Grande" ID in Spanish. [EB-MO]
900 KFAL **MO**, Fulton. 12/28 fair to poor signal over CHML, XEW. 0320 with Classic Country format, Web site promo, "Nine hundred KFAL" ID. [EB-MO]
1240 WENK **TN**, Union City. 12/28 fair to poor signal, mixing with KBIZ, WTAX and other stations. 0348 noted with Oldies format, "WENK, WTPR, the greatest
hits of all time" ID. [EB-MO]
1270 WMKT **MI**, Charlevoix. 1/3 fair to poor signal, mixing with other stations. 2002 noted with Fox News Radio, Fox News promos, "102-point-Three, the news
station" ID in promo and a local spot. [EB-MO]
1430 KSHJ **TX**, Houston. 12/31 fair to poor signal, mixing with WXNT, WYMC through KZQZ open carrier. 0535 with The Holy Rosary broadcast. [EB-MO]
1530 KGBT **TX**, Harlingen. 12/31 good to fair signal over WCKY. 0557 noted with local spots, "Univision Deportes" mention in promo in Spanish, "KGBT
Harlingen" legal ID in accented English at 0600. [EB-MO]
1540 KEDA **TX**, San Antonio. 1/2 fair signal over KXEL. 0350 noted with Tejano music format, "Radio Jalapeño" ID and mention of 99.9 FM. [EB-MO]
1550 WIGN **TN**, Bristol. 1/3 fair signal, even with KYAL. 0520 noted with Bluegrass music format, "WIGN 15-50-dot-com" ID and local spot. [EB-MO]

FLASHBACK

50 Years Ago – January 11 1969 issue of "DX Monitor" ... **Bill Nittler** of Englewood CO received veries from HJDK 750, YVMY 840 and YVMP 880 ... **Thomas Jasinski** on board the USS Brumby mentioned he had DXed when he was home for Christmas ... **Patrick Martin** of Seaside OR logged his 9th Alaskan, KJNP 1170 ... **David Kulka** of Greenbrae CA vacationed in Arizona and toured 8 stations. // **25 Years Ago – January 8 1994** issue of "DX Monitor" ... **Patrick Martin** of Seaside OR logged Nepal 792 and received a verie. Country number 73 confirmed ... **Tom Jasinski** of Shorewood IL told about his trip to Saint Louis and meeting IRCA DXer Rich Eddie.

OPEN MIKE

Thanks to Eric we have a column this week. This column was typed 1-4-19. 73, John



EASTERN DX ROUNDUP – Eric Bueneman (NOUIH) – 631 Coachway Lane – Hazelwood MO 63042-1347
Email: nouiheric@gmail.com DEADLINES: Friday 2359 ELT

TUNING THE DIALS THIS ISSUE:

- (KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
(PS-ON) **Paul Snider**, Thorold ON, Canada paulsnider@yahoo.ca
Elad FDM-S2 software-defined receiver, DX Engineering Pixel RF Pro-1B loop, MFJ-1020C as a tuner
(RW-MD) **Robert Wien** (KG6RJW/3), Laurel MD wienbob@aol.com
2011 Ford Fusion car radio, CCrane CCRadio
(RW-PA) **Robert Wien**, on the road in Harrisburg PA
2011 Ford Fusion car radio

ACROSS THE DIAL

- 620 WZON **ME**, Bangor – 12/24 0522 noted with weather for various cities in Maine, weather forecast for Bangor, “620 the Zone” ID, mention of WKIT-FM (100.3 MHz Brewer, ME – eb), followed by mentions of Fenway Park and a game between the Boston Red Sox and Toronto Blue Jays. The signal was atop the frequency before fading out to other stations. WKIT is WZON’s FM sister station; first Maine AM catch in Laurel; WHEN Syracuse, NY is usually dominant on 620. (RW-MD)
- 720 WHYF **PA**, Shiremanstown – 12/31 0130 noted on overnight with talk show about the Holy Scriptures, “720 AM EWTN” ID at 0130; still in much later at night. This is the only listed EWTN affiliate on 720 kHz per EWTN’s Web site; listed as 2,000 watts daytime only. What were they doing on at night? They probably left their transmitter on by accident. A good signal was noted in a WGN null; looping north to south toward Pennsylvania. (RW-MD)
- 850 WPTK **NC**, Raleigh – 1/2 0830 noted with “AM 850 and 104.7 FM” ID, mention of “Classic Hits of the ‘60s, ‘70s and ‘80s” and North Carolina, promo for a talk show on sister station WPTF 680. Good signal at times over unidentified sports station (maybe WKNR Cleveland, OH); great winter conditions today! I thought this was WXPA Enola, PA testing! (RW-MD)
- WXPA **PA**, Enola – 12/28 1620 noted possibly testing on Special Temporary Authorization with Oldies. Not noted on the morning of 12/29 or the evening of 12/30. Transmitter site is on the same grounds as WHP 580 Harrisburg. (RW-PA) (WXPA is not listed in the latest NRC AM Log; the only 850 listed in the NRC Log in PA, located in Johnstown, has an application to move to 870 with 7,000 watts DA-D – eb)
- 1100 WTAM **OH**, Cleveland – 1/2 1050 noted with a nice “Team 1100 AM” ID and Cleveland sports roundup. An excellent signal was noted with virtually no fading; nighttime conditions in the middle of the day. Fabulous winter conditions today; 1100 is usually almost dead in Laurel. (RW-MD) (One of my former college radio colleagues, John Cooper, works at WTAM – eb)
- 1130 WYXE **TN**, Gallatin – 12/28 0045 on after sunset with Christian music in Spanish; mostly ballad-style hymns, some up-tempo songs as well. A song by a female vocalist sung in a powerful style really cut through at 0054. No legal ID heard at 0100 but confirmed via Tune-In Web stream. A poor and audible to very poor signal was noted under WBBR and WDFN. (PS-ON)
- 1250 WARE **MA**, Ware – 12/24 0431 noted with “Thanks for listening to WARE” ID, jingle ID mentioning 97.7 FM (W249AP Springfield MA – eb) into a Christmas selection. A good signal was noted atop the frequency. (RW-MD)
- 1360 WDRC **CT**, Hartford – 12/24 0508 noted with a nice ID, ads for the New England Pension Card and TPS Insurance of Connecticut. A good signal was noted before fading under other stations. (RW-MD)
- 1370 WLLM **IL**, Lincoln – 1/3 2301 noted with “Weather for Central Illinois” mentioned by a female announcer into Christian music; no ID, but Lincoln is in the middle of Central Illinois and the only station in the Land of Lincoln listed on 1370. The signal was lost to a mix of stations including the usual WSPD and WTAB. (PS-ON)
- 1460 KXNO **IA**, Des Moines – 1/1 2100 parked on the frequency, managed to hear partial “KXNO... XNO” ID and multiple Fox Sports mentions. A poor signal was noted briefly before fading to WHIC, WKDV and other stations. (PS-ON)

UnID

- 1250 UnID 12/25 0511 fading over WARE with a news type format, mention of 92.5 FM before fading out. This could be WPGP Pittsburgh, PA (ex-WTAE, WEAE and WDDZ); according to Wikipedia, the station has a relay at 92.5 FM (RW-MD) (WPGP features a Conservative Talk format, similar to my local KXFN 1380 – eb)
- 1360 UnID 12/31 0100 on top of the frequency, looping east-west with ID that sounded like “WVAB” (1550 Virginia Beach VA – eb); I don’t see anything else really close to these calls on Radio Locator. (RW-MD) (Nothing similar in the NRC Log, either – eb)
- 1430 UnID 12/25 0428 noted in CHKT null with mention of 105.9 FM into a Christmas tune; looping east-northeast to west-northwest. (RW-MD) (Radio Locator lists W290CU Christiansburg VA relaying WKEX 1430 Blacksburg VA with a Classic Hits format on 105.9 – eb)

UnID

- 1460 WBUC **WV**, Buckhannon – The unidentified station in DXM 56-17 mentioning “True Country 1460” and “The River” is this station, as their slogan is “The River 93.1”. (KK-VA) (I concur, Kraig – eb)

EDITOR’S NOTES

Thanks to Paul and Bob for their logs and Kraig for help in identifying WBUC 1460! 73 and good DX from NØUIH, the Florissant Valley Dial Twister



DX WORLDWIDE/TROPICAL BAND DX – *Brandon Jordan* – PO Box 338 – Rossville TN 38066
Email: dxww.irca@gmail.com all times UTC

Deadline – Monday 1200 UTC.

*** TRANS-ATLANTIC DX ***

- 531t **ALGERIA** Jil FM, F'kirina Wilaya d'Oum El Bouaghi. DEC 28 0133 – music with a beat to it 0133 0236, likely Algeria. [BP-WA]
- 702 **UnID** DEC 28 0156 – carrier sometimes with audio, but badly pummeled by KIRO splash. [BP-WA]
- 855 **UnID** DEC 28 0159 – music, 0200 pips if any were greatly subdued, then man with what sounded like news. Fair at times but couldn't recognize the language. 0215 pop or light jazz vocal with piano accompaniment good at times. Spain the most likely suspect, but Romania also possible. [BP-WA]
- 864t **EGYPT** Holy Koran Program, Santah. DEC 28 0205 – Male talk sounded Arabic, 0225 Koranic recitations presumed Egypt. [BP-WA]
- 936 **UnID** DEC 28 0155 – weak male talk. [BP-WA]
- 1026 **IRAN** Tabriz. DEC 28 0230 – Middle Eastern male vocal across BoH possibly Koranic recitation, presumably Iran since that's what everyone else has heard here. [BP-WA]
- 1413t **MOLDOVA** Vesti FM. DEC 28 0128 – talk in domestic splash. [BP-WA]
- 1575 **IRAN** Qeshm. DEC 28 0225 – loud Iranian buzzsaw jammer. [BP-WA]

*** TRANS-PACIFIC DX ***

- 850 **ALASKA** KICY Nome. JAN 3 0558 – Weak but very listenable at times mixing with KOA, //web. Local college student Jason gave an ID about 45 seconds after the top of the hour, then they aired less than a minute and a half of an SRN newscast, and returned to start the third hour of their locally-produced music program: “Welcome to another edition of SingSpiration. I'm Bertha Koweluk. Thanks for joining us as we bring you music recorded by your friends, neighbors and relatives right here in Western Alaska.” 2987 miles. New, AK #2, the other being KBBI-890 over 30 years ago! Station #1454 from home. Email verie already received. [TRH-CA]
- +JAN 4 0558 – Even better signal tonight, actually stomping all over KOA for several minutes at a time. Tonight they ran a full 5-minute SRN newscast (including network ads) at the top of the hour, then returned to the “Singspiration” program at 0605 (about 3 minutes later than last night) with the same introduction as the previous night. I kept recording for another 10 minutes, and the local church music just kept getting stronger and stronger. Anybody who lives along the Pacific coast (or can put a dent in KOA) needs to try for this one when the space weather is favorable. [TRH-CA]

*** PAN-AMERICAN DX ***

- 730 **MÉXICO** XEHB, La Mexicana, Hidalgo del Parral, Chih. JAN 3 1400 – Mixing with XESOS and KDBI. Full FM/AM ID by male announcer. This station is staying active on AM per IFT decision. Relog. [TRH-CA]
- 750 **MEXICO** XEOH, Ciudad Camargo, Chih. DEC 31 1300 – with “XEOH 750” ID and mention of being in Chihuahua, Mexico. “Radio La Jefa” slogans. Good signal under or over KOAL. 86th Mexican station logged from Mesa. [JcJ-AZ]
- 850 **MEXICO** XEMIA, Radio Disney 90.3 FM, San Pedro Tlaquepaque, Jal. JAN 5 0558 – Somewhat auroral conditions tonight, so no more KICY. Tonight it's back to XEMIA mixing with KOA. English and Spanish pop music //web stream. Full (4:40) children's choral version of Mexican anthem started 1 minute and 50 seconds after local Midnight, followed by ID, which only mentioned FM. This station will presumably leave AM later this year, making 850 an even more wide-open frequency. Relog. [TRH-CA]
- 1250 **MEXICO** XEDK, D-K 12-50, Guadalajara, Jal. JAN 5 0559 – Alone on the channel at times. Male announcer gave slogan “D-K 12-50 AM” then introduced the national anthem, which was the very slow orchestral version used by all Radiorama Occidente stations. Relog but fairly rare here. [TRH-CA]
- 1350t **MEXICO** XETB, Radio Laguna, Gómez Palacio, Dur. JAN 3 1358 – Female announcer with “La Red de Radio Red” newscast from XERED-1110. I'm almost certain this is XETB (I can't eliminate XELBL, because they only have a half-built web page from over a decade ago, but I would expect them to be playing an anthem at this hour). XETB's web page states that they run XERED's “La Red de Radio Red” morning news program from 5:45-10am M-F local time. Relog. [TRH-CA]

*** TROPICAL BAND DX ***

- 4015u **NORTH AMERICAN PIRATE** JAN 1 0453 – rock music S9+10, 0454 back-announcement something about California; inviting requests; 0455 HNY to someone in Waynesboro (MS? PA? TN? VA?), ID as “WDDR, Drunken DJ Radio”, but he doesn’t sound drunk, yet. 0651 till going with music at S7-S8; 0657 SSTV to 0700 “K” in CW and off. Earlier had sought any pirate on 6.9 MHz band with no results. Wish more of them would run late into night when I for one would be more likely to hear them. A few others heard this, 55 posts, one from Waynesboro GA, including lots of SSTV images, between 0020 and 0700. [GH-OK]
- 4055 **GUATEMALA** Radio Verdad, Chiquimula. JAN 1 0651 – TGAV is still on late for NYE, with hymn in Spanish. Too busy with our own WWV monitoring and CST celebrations at 0600 to have listened then for anything special from Verdad. [GH-OK]
- 4949.7 **ANGOLA** Radio Nacional 1, Mulenvos. DEC 26 0234 – RNA is S4-S5, noisy but some mod audible. Checking this to compare with Madagascar, since there are NO Mozambiquans on SW. [GH-OK]
- 5009.9 **MADAGASCAR** Radio Madagasikara. DEC 26 0230 – Radio Madagasikara stronger than usual with some modulation JBA. [GH-OK]

CONTRIBUTORS

- TRH-CA **TIM HALL**, Chula Vista CA
Perseus SDR-IQ, 600 ft. un-terminated beverage aimed SSE/NNW.
- GH-OK **GLENN HAUSER**, Enid OK
DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; Nissan stock caradio as specified; ICR-75 E-W longwire.
- JcJ-AZ **JOHN C JOHNSON**, Mesa AZ
SDRplay RSPduo; Icom IC-R75; Wellbrook ALA1530LNP.
- BP-WA **BRUCE PORTZER**, Seattle WA
Elad FDM-S2, 40x10 flag antenna aimed north

Many thanks for the week’s contributors. 73 and Good DX, Brandon



DX WORLDWIDE – II – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115
Email: portzerbt@gmail.com
All times UTC unless noted otherwise

ASIA AND PACIFIC

ALASKA: In October 2016, a city referendum renamed the city of Barrow (home of KBRW-680. bp) to its traditional Inupiaq name, Utqiagvik. The name change officially went into effect on December 1 2016. (Wikipedia)

AUSTRALIA: 1053 Radio 4UCB Brisbane (ex 1674 Yatala) also 1053 WAS ex Radio Rhythm reported by Paul Thwaites on the Sunshine coast 11/11 0252. Antennae is at Tingalpa right near the sports club where we had several AGM’s. ACMA has the license as Rete Italia. (PT Sunshine Coast). 1620 Rete Italia Capelaba Brisbane now no signal and off air 23/11. (Smiffy-BNE, ADXN)

674 Radio Hannaji Yatala. Adds 1140 29/10 see 1053. 4 UCB taken over 1053 BNE. (Confirmed by John Smith as passing through the area). 6/11. However NEW NEWS the antennae has gone! Yes, No more YATALA what next?????26/11/18! (ADXN 12/2018)

1503 KHz 2BS was noted off air this week. First notable new evening regular reception is Radio Sport Christchurch, NZ. (Todd Emslie, ICDX, 5 Nov)

GUAM: 1350 and 1530 are still off the air. In 1998, the legislature changed the city name, Agaña, back to Hagatna. Street signage would confirm this, but the KUAM-630 ID I taped still says Agaña. (Pete Taylor, on a cruise ship Oct 2018)

HAWAII: KWAI-1080 is off. It was not healthy when we were in the Islands last April (hum, distortion. brokered programs). (Pete Taylor)

INDIA: Interesting map of AIR network with many details (even live streaming info in most cases) is given in the following new link. It can be selected by MW/FM/SW/DRM etc. <http://prasarbharati.gov.in/stationsmap.php> Thanks to Alokesh Gupta for the info. (Jose Jacob, dx_india)

AIR National Channel to close down with immediate effect. Thanks to Mr K Raja for the flash news. National Channel schedule is 6.50 pm to 6.10 am IST (1320 to 0040) Present frequencies: 1215 kHz New Delhi 20 kW, 1566 kHz Nagpur 1000 kW, 9380 kHz Aligarh 250 kW. (Jose Jacob, dx_india, 4 Jan)

Here’s a little more information here: <https://theprint.in/governance/prasar-bharati-to-shut-down-all-india-radios-national-channel-five-regional-academies/173219/> <https://indianexpress.com/article/india/all-india-radio-shut-down-prasar-bharati-5523225/>. (Alan Roe, World of Radio 4 Jan)

Seems, that they are now //819 kHz. Is there a date for these transmitters to be closed or will they continue with Delhi programming? (Mauno Ritola, dx_india)

MALDIVES: My Sarath Weerakoon (UADX) posted some interesting news about Dhivehiraajjeyge Adu (Voice of Maldives). The Director of Public Service Media, Maldives has advised us in writing that the AM transmission of Dhivehiraajjeyge Adu, (Voice of Maldives) on 1449 kHz is expecting to resume transmission from the new site in Thilafushi Island by early February 2019. (Christoph Ratzer, ARC)

NEW ZEALAND: David Ricquish in Wellington advises that NZME Radio’s ‘Coast’ has been running announcements that three AM frequencies are being dropped as of 1 Jan 2019: 900/Whangārei, 1323/Hawera, and 1359/New Plymouth. No idea what the frequencies will be used for, or even if they’ll continue on-air. The website still shows dual AM/FM coverage for all three regions... and no mention of the remaining 954/Dunedin, 1548/Palmerston North, and 1593/Christchurch. The local DX crew apparently would especially like to get rid of 1593. (Theo Donnelly)

New Zealand’s MediaWorks will merge two stations next year, combining RadioLIVE with the Magic network to form a new network called Magic Talk. In an email to staff, CEO Michael Anderson (pictured) said the merged station would offer both music and talk radio. “The merged entity will operate a music station and a talk station, and the talk station will be run by the music radio side of our business.” Two major programming features, Rural Exchange and The AM Show are expected to remain unchanged, while other shows are likely to undergo a revamp. Newshub will also continue to be simulcast in the evening. (ARDXC 12/2019)

TAIWAN: 909 and 1089 are on and were parallel most of the time. I haven’t checked the recordings yet so can’t confirm they are still Fu Xing. I did not hear any echo on 1089. Perhaps I am wrong but they would seem to have more than 10kw. (Pete Taylor on a cruise ship Oct 2018)

EUROPE, AFRICA, AND THE MIDDLE EAST

BELGIUM: RTBF La Première has stopped broadcasting yesterday after the 1900z news. The last sound heard on 621 was La Brabançonne in an instrumental version. According to the Twente webSDR waterfall archive, the blank carrier continued until 1940. During the last months it used to stay on all the night long, and I was told that stations sometimes do so in order to mark the frequency as unavailable for other (pirate?) broadcasts. I could not receive Vivacité (1125) yesterday because of bad propagation. The 1008 kHz transmitter (ex-Grootnieuws radio) switched to a loop announcement at 0000z.

The last minutes of both RTBF broadcasts have been recorded by an SWL and uploaded here: <https://www.youtube.com/watch?v=JxfLCLzFiGs>. (Vincent, mediumwave.info 1/1-2019)

Last hour or so of 621 kHz programming has been archived here: <https://shortwavearchive.com/archive/rtbf-international-621-khz-final-sign-off-december-31-2018> and here: <https://archive.org/details/RTBFInternational0.621MHZ31December20181800UTC>. (Richard Langley, World of Radio)

And here is the last minute of Vivacité on 1125 kHz which was shut down at 1903 UTC: http://www.mwlist.org/sounds/2018-12-31T19_02_00Z_1125.00_am_hainaut-picardie.ddns.net.mp3. (Alexander Busneag, WoR)

CANARY ISLANDS: During my visit to Gran Canaria I could hear the following stations during daytime:

- | | |
|---|---|
| 576 RNE Radio Nacional Las Palmas, Gran Canaria | 837 COPE, Las Palmas, Gran Canaria |
| 621 RNE Radio Nacional, Santa Cruz de Tenerife | 882 COPE Tenerife, La Legion |
| 720 RNE Radio 5, Santa Cruz de Tenerife | 1179 Radio Clube Tenerife, Santa Cruz de Tenerife |
| 747 RNE Radio 5, Las Palmas, Gran Canaria | |
- (Tom Timmerman, mwc Jan 2019)

FRANCE: TWR, Roumoules 1467. From January 1st 2019, TWR Polska in Polish will be broadcast ONLY Monday to Friday from 2045-2115. (Christian Ghibaud mediumwave.info 1/12-2018)

GERMANY: While regular medium wave broadcasting stopped in Germany, there is a number of low power AM stations coming on the air in Bavaria. As far as I know, there are now stations in Cham (Oberpfalz), Erlangen-Tennenlohe (Mittelfranken), München (Oberbayern) and Wertingen (Schwaben). People who read German or can figure out what a google translation gives may want to read some info about the stations in Cham (801 kHz) and Munich (1500 kHz) at <https://www.radiomuseum.org/museum/d/das-rundfunkmuseum-cham/>. There you will also find a comment on the strange frequency selection for Munich. It is also seen as an example of incompetence on the side of the German frequency regulator. (Dry Hansjoerg Biener, mediumwave.info16/12-2018)

1476 A new radio station has started at the University of Erlangen near Nürnberg, Bayern. The transmitter has a power of 3 watts and quarter wave antenna of 20 meters height. The signal is 1 second of a 1000 Hz tone and then a pause of 1 second etcetera. The station is heard in Sweden and northwestern Netherlands. (Karl-Erik Stridh, NORDX and Frank Baste, ARC)

ISRAEL: 1287 The Voice of Hope Middle East has English programs on Fridays 2000-2200. (DXLD 13.11.2018 via ARC)

ITALY: 1566 Radio Kolbe, Regina dell'Amore is using this frequency to cover Padova, Verona and Vicenza. It is a radio station for the Catholic Church. Heard quite well in the area. (Dario Monferini, Italy 27.11.2018 via ARC)

LITHUANIA: 1386 Radio Baltic Waves International 75 kW is now on the air 1630-0500. (Rimantas Pleikus, LTU via Ydun's Medium Wave Info 12.11.2018)

NETHERLANDS: (Also see Belgium. bp) An interesting video of the Grootnieuws 1008 closedown was posted on Boottube by Max Berger, who runs the SM Radio Dessau station, this video also contains a number of stills of the transmitter site and antenna and so is well worth a watch: <https://www.youtube.com/watch?v=sJ4pL1YKPSY&feature=em-uploademail>. (Alan Gale, World of Radio)

Here is a recording of the close down from 2128 to 2133 UTC, including the farewell song: https://www.mwlist.org/sounds/2019-01-03T21_28_52Z_1008.00_am_kiwi-sdr2-leiden.impactam.nl_FAREWELL.mp3. (Alexander Busneag, WoR)

The AM-scene in Holland is full of options, but also very complicated. Since some time Radio Seagull is allowed to broadcast 1 kW power from port. However we have no license of such power. We have now 2 low power frequencies, 747 and 1602. The 747 comes from the ship and the 1602 from Pietersbierum on the landsite. For the time being we have switched 747 off as we are moving the ship for winter to a mooring closer to the city (Harlingen). Interference would have been inevitable, hence the precaution. We have a deal with the station Radio 0511 who own 1332 (Ternaard) and 1485 (Rhederbrug, near Amsterdam). We relay them during daytime and they relay Radio Seagull overnight. This way, despite being low power, we cover a large part of the north of the Netherlands. So when 747 is on we are on 4 frequencies. (Sietse Brouwer, the owner of Radio Waddenzee and Radio Seagull 1.12.2018 via letter to BE, Arctic)

NORWAY: 630 LKBT, the experimental radio station, is now broadcasting "The Ferry", the second station of Northern Star Media Services AS. The format is 24/7 Beautiful Music on weekdays and Easy Listening in the weekends supplemented by 17 hours per week of Ministries and inspirational music. The location of the transmitter is on the island of Tofthøy in Øygarden municipality northwest of Bergen. Power 10 watts, antenna 20 m top loading. Verification by eQSL. Recording and short text to: 1000@northernstar.no. (Svenn Martinsen, ARC 11.11.2018)

SOUTH AFRICA: Article, SABC running out of money: <http://mybroadband.evink9.net/servlet/link/15423/468001/31153387/1136529>. (Bill Bingham, World of Radio)

SWEDEN: Hello there, AM radio listeners! I would like to thank you all for the response you have sent me, regarding my radio station Asfalttelegrafen on 1593. Some people say my station has already made history, not only because I am a private person transmitting on medium wave, but also because of the fact that The National Library of Sweden requires copies of my broadcasts. I think that is kind of cool. :)

The thing is, I had been thinking for a while about developing my interest in medium wave and applying for a temporary broadcast license on the medium wave band. I wanted to start a local radio station and broadcast mainly rock music combined with political messages, in connection with the Swedish general election which took place in September. I wanted to play music that is usually not played on mainstream radio stations. A contemporary version of Radio Luxembourg, Caroline, Seagull, 10 Gold etcetera, if you will. I also wanted to include some Nordic rock that is usually unheard of. I made it happen, and it turns out this project was a success.

Therefore I am happy to inform you that I will broadcast again! Please note that this time around I will be broadcasting on another frequency, 1476 kHz = 203 meters. I believe that 1476 will be a better frequency because of less interference coming from other radio stations in the EU. When I was transmitting on 1593 kHz, I was "outrivaled" by French and Romanian stations. A listener in southern Sweden suggested that I should consider 1476 kHz for my next broadcast project. I thought that was a good idea so I immediately started to plan for how to optimize my antenna for the new frequency. Although, Egypt and Iran are actually transmitting on 1476 kHz as well....

Anyway, I once again applied for a new license with the Swedish Press and Broadcasting Authority and The Swedish Post and Telecom Authority, and it was recently approved. Here in Sweden it is dual license process for temporary broadcasts. On December 26th 2018 to January 8th 2019, Asfalttelegrafen is back on air on 1476 kHz with 330 watt with plenty of rock music in a medium wave radio near you! Stay tuned! Best regards, Torleif Roos, Asfalttelegrafen. Boraas Sweden, 1476amsweden@gmail.com. (mediumwave.info 14/12-2018)

UNITED ARAB EMIRATES: Radio Sawa is no longer heard via the high-powered transmitter on 1170 from Al-Dhabbayah. Instead Dave Kernick has been monitoring a station in Arabic aimed at the Yemeni city of Al-Hudaydah [Hodeida] and identifying as Voice of the Republic. Al-Hudaydah city is currently under seige by anti-Houthi forces who control other parts of the province. Because of the signal strength during daylight hours as monitored on a Qatar SDR, Dave speculates that the transmitter is either in Saudi Arabia or coming from the UAE transmitter. (Via WRTH Facebook page)

UNITED KINGDOM: Effective from Christmas Day, the following stations are now not identifying with a name, but instead advising that "The Good Times are coming. Greatest Hits Radio launches on January 7th. No station name is broadcast in station IDs since Christmas Day on the following frequencies and transmitters only:

828: Radio Aire 2 (Morley)	1152: Metro Radio 2 (Greenside)
990: Hallam 2 (Crimpsell)	1161: Viking 2 (Goxhill Neatgangs Lane)
999: Rock FM 2 (Longton)	1170: TFM 2 (Stockton-on-Tees)
1152: Key 2 (Ashton Moss) (NB this station has been "Key Radio" since 4 June 2018)	1305: Hallam 2 (Ardsley)
	1548: Hallam 2 (Skew Hill)

Plus on 105.9 VHF from Allerton Park. On 105.9 from Sutton Coldfield, "Greatest Hits Christmas" has been on since 17 December. This will also take Greatest Hits Radio as previously reported. No Scottish stations have been affected by this change. (James Robinson, mediumwave.info 26/12-2018)

WESTERN HEMISPHERE

ARGENTINA: From Marcelo A. Cornachioni, Buenos Aires in "Argentina en AM y FM" October 15 2018: PANORAMA DE LA "X-BAND" DEL AMBA (via Arctic)

1610 Radio Sintonía (Canning)	1650 Radio Las Estrellas (Longchamps) – (irregular)
1610 Radio Luz del Mundo (Rafael Calzada)	1650 Radui El Mensajero (Rafael Castillo) – (inactive)
1620 Radio Vida "Red de Vida" (Monte Grande)	1650 LRI-227 Antares AM 1650 (Pilar)
1620 Radio Italia (Villa Martelli) – (inactive)	1660 Radio Revivir (Gregorio de Laferrere)
1620 Radio Sentires (Parque San Martín)	1680 Radio Bethel (Banfield Oeste) – (inactive)
1630 AM Restauración (William C Morris) – (inactive)	1700 LRI-236 Radio Fantástico (Tigre) – (inactive)
1630 Radio Unidad (Alejandro Korn)	1710 AM Selva (Ituzaingó)
1640 Radio Hosana (Isidro Casanova) – (inactive)	

BRAZIL:

540 ZYK734 Radio Wolf, Sumaré (SP02) – ex Radio Nueva Sumaré (Rudolf Grimm)
820 ZYI775 Radio Paulo Freire, Recife (PE10) – ex Radio Universitaria (web)
1250 ZYJ766 Jovem Pan, Joinville (SC45) – ex Radio Cultura (web)
1350 ZYK692 RBC Rede Belém de Comunicação, Ibiúna (SP265) – ex Radui Excelsior (Rudolf Grimm)
1380 ZYK751 Radio Fronteira, Presidente Prudente (SP224) – ex Radio Globo. Rua Kametaro Morishita, 95
19050 700 Presidente Prudente (SP). W: radiofronteirapp.com.br (web)
1540 ZYN601 Radio Piravevé, Ivinema (MS35) – ex Radio Nova Piravevé (web)
According to newsletter from ANATEL the number of applications for migration from AM to FM is 1616. (Arctic)

COLOMBIA: 590 HJCR Volvamos a Dios Radio, Medellín, ex W Radio. (Jan Edh and Thomas Nilsson, ARC)
1550 HJCB La Cariñosa, Barranquilla. "En todos los rincones de Barranquilla, sintonizan La Cariñosa 1550 AM". (Tetsuya Hirahara via KIWI SDR, Bonaire)

ECUADOR: 1420 HC..6 Radio Integración, Salcedo, new station. Heard by Fredrik Dourén, Juha Vehmas and Lars Simm (ARC)

MÉXICO: 1700 MÉXICO XEPE, La Tremenda (temporarily?), Tecate (nominal – really Tijuana), BCN. DEC 17 0557 – Since December 12, this station (one of my closest locals and biggest pests) has been relaying co-owned XESDD-1030 (Spanish language political speeches, brokered religion, and who knows what else), reportedly due to Broadcasting Corporation of the Americas failing to make the rather exorbitant lease payments for XEPRS-1090, XEPE-1700 and XHPRS-105.7. (Oddly, XEPRS and XHPRS have different owners; the owner of XEPRS has allowed BCA to keep broadcasting sports talk "mighty 10-90" on XEPRS, but reportedly wants to either find a new lease client, or sell the station if anyone will give their asking price \$11M). (Tim Hall)

PARAGUAY: 860 ZP28 La Voz de Cordillera, Caacupé (CR01) – silent due to a stroke of lightning which set the studio on fire. According to Adán Mur it will be rebuilt. (Levi Peter Iversen)

PERU: 1430 OCU2U Radio Picaflor, Jaen (CJ78) – ex Radio OCU2U (Lars Simm, Henrik Klemetz, ARC)

1570 OAU7Z Radio Carraviz, Juliaca (PU32) – during AND14 heard with the following ID "Somos Radio Unión 880 AM... Oficina 501, Miraflores, Radio Unión..." and programming from IPDA. (Geir Fredheim during AND14)

PUERTO RICO: WGIT Canovanas 1660, silent since 20 September 2017 (due Cyclone Maria), is back on air with STA granted 14 September, but unclear when broadcasting actually started. (NRC)

600 WYEL Mayagüez – granted STA, U1 1250/1250, Hurricane Maria damage

870 WQBS San Juan – applies to extend STA, U1 1250/1250

1140 WQII San Juan – silent October 11 2017, back on the air August 28 2018 (was testing earlier)

1160 WBQN Barceloneta-Manatí – granted extension of STA, U1 1250/1250

1240 WACO Humacao – granted extension of STA, U1 1000/5000, Dominican Republic-QRM

1260 WISO Ponce – applies for program test authority for CP, U1 2300/2300, and new site

1260 WISO Ponce – CP with U1 2300/2300, new site 17°59'22.66"37"11, is on the air

1420 WUKQ Ponce – silent September 20 2017, has been on the air since October 13 2017, but did not inform the FCC until now. (All via NRC)



DXpeditions – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334
Email: DXM.EIC@gmail.com

2018 Long Beach Island (LBI) DXpedition

The 2018 Long Beach Island (LBI) DXpedition was held from October 16–21 2018 in Beach Haven West NJ. DXing conditions were very good, as they should be as we near the solar minimum. This year featured several new countries heard – Lithuania, Nigeria, Qatar, Hungary, Svalbard, Estonia, St Pierre, Macedonia, Slovakia and Turkey. With all participants utilizing SDR's, preparing the final logging list will still not really be complete when published. As the result of extensive SDR file review during the past 2 months, the number of logs included is roughly double that contained in our preliminary report.

Antennas were 1) a 16'x36' flag aimed at 40 degrees, 2) another 16'x36' flag aimed at 180 degrees, 3) a 50'x22' Delta aimed at 270 degrees and 4) a rotatable Wellbrook loop. Trans-Atlantic propagation conditions were at their best on Tuesday night 10/16 and Saturday night 10/20, particularly around our local sunset.

Participants were **Brett Saylor** (W3SWL), **Russ Edmunds** (WB2BJH), **Mike Hunter** (W2MHZ), **Kris Field**, **Ralph Brandi**, **Chuck Rippel** (W8HU), **Dave Hochfelder** (N2HTA), **Steve Walko** (K3PHL) (Saturday only), and **Nick Langan** (W2NJJL) (Saturday only).

Frequency **Country** Calls Slogan City State or Province Time (UTC) Date Details (domestics listed first on the same frequency – pb)

21.4 **USA** NSS, Annapolis, MD. 0456 10/17. US Navy data broadcast.

24 **USA** NAA, Cutler, ME. 0103 10/20. US Navy data broadcast.

24.8 **USA** NLK, Oso, WA. 0500 10/17. US Navy data broadcast.

40.75 **PUERTO RICO** NAU, Aguada. 0457 10/17. US Navy data broadcast.

60 **USA** WWVB, Fort Collins, CO. 0228 10/21. Time station.

65.8 **FRANCE** FUE, Kerlouan. 0058 10/20. French Navy data broadcast.

73.6 **CANADA** CFH, Halifax, NS. 0102 10/20. Canadian Navy data broadcast.

77.5 **GERMANY** DCF77, Mainflingen, 0228 10/21. Time station.

171 **MOROCCO** Radio Mediterranee Int'l, Nador. 0114 10/17. Arabic talk by man.

183 **GERMANY** Europe 1, Felsberg. 0149 10/21. Talk by man in French, pop music.

189 **ICELAND** RUV RAS2, Gufuskalar. 0107 10/17. Segued instrumental music, no announcements.

UNITED KINGDOM BBC Radio 4 synchros. 0314 10/17. Man speaking in British English, music.

206 **CANADA** QI, Yarmouth, NS. 2350 10/20. NDB.

212 **CANADA** SJ, Saint Johns, NB. 2348 10/20. NDB.

216 **FRANCE** RMC Info, Roumoules. 2201 10/16. French talk.

224 **CANADA** QM, Moncton, NB. 2352 10/20. NDB.

225 **POLAND** Polskie Radio Jedyńka, Solec Kujawski. 2316 10/16. Talk by man in presumed Polish.

234 **LUXEMBOURG** RTL, Beidweiler. 0120 10/17. Music, French announcements by man.

236 **CANADA** OW, Ottawa, ON. 2355 10/20. NDB.

243 **CANADA** YVB, Bonaventure, QC. 2358 10/20. NDB.

248 **CANADA** UL, Montreal, QC. 2258 10/17. NDB.

252 **ALGERIA** Radio Algerienne, Tipaza. 2320 10/16. Folsom Prison Blues by Johnny Cash //web.

254 **USA** CAT, Chatham, NJ. 0200 10/17. NDB.

263 **CANADA** QY, Sydney, NS. 2256 10/17. NDB.

272 **CANADA** YQA, Muskoka, ON. 0232 10/17. NDB.

276 **CANADA** YHR, Harrington Harbour, QC. 0310 10/17. NDB.

278 **CANADA** NM, Matagami, QC. 0314 10/17. NDB.

280 **CANADA** QX, Gander, NL. 0101 10/21. NDB.

281 **CANADA** CA, Cartwright, NL. 0313 10/17. NDB.

287 **USA** NMW, Fort Stevens, OR. 1058 10/19. DGPS Beacon.

289 **CANADA** YLQ, La Tuque, QC. 0234 10/17. NDB.

SPAIN 351, Cabo Mayor. 0503 10/19. DGPS Beacon.

USA 871, Appleton, WA. 1108 10/19. DGPS Beacon.

CANADA YOG, Ogoki Post, ON. 1056 10/18. NDB.

301 **USA** NOY, Angleton, TX. 1034 10/19. DGPS Beacon.

302 **PANAMA** 972, Miraflores. 1037 10/19. DGPS Beacon.

302.5 **SPAIN** 356, Tarifa. 0111 10/19. DGPS Beacon.

308 **AZORES** Horta. 0000 10/17. DGPS Beacon.

309 **CANADA** 909, Alert Bay, BC. 0559 10/17. DGPS Beacon.

314 **USA** NOO, Lincoln, CA. 1059 10/19. DGPS Beacon.

317 **CANADA** ZZR, Quinte West-Severn, ON. 0258 10/17. NDB.

CANADA ZMX, Montreal-Mirabel, QC. 0252 10/17. NDB.

320 **CANADA** CIM-751, Richmond, BC. 1104 10/19. DGPS Beacon.

323 **CANADA** KR, Schefferville, QC. 0253 10/17. NDB.

326 **CANADA** FC, Fredericton, NB. 0149 10/17. NDB.

CANADA VV, Warton, ON. 0309 10/17. NDB.

329 **CANADA** YHN, Hornepayne, ON. 0106 10/17. NDB.

CANADA OU, Quebec-Saint Foy, QC. 0314 10/16. NDB.

332 **USA** FIS, Key West, FL. 0210 10/17. NDB.
CANADA QT, Thunder Bay, ON. 1056 10/18. NDB.
CANADA YFM, LaGrande, QC. 0013 10/17. NDB.
 334 **CANADA** YSH, Smith's Falls, ON. 0044 10/17. NDB.
 335 **CANADA** YLD, Chapleau, ON. 0235 10/17. NDB.
 336 **USA** SW, Newburgh-Stewart Field, NY. 0311 10/17. NDB.
CANADA BV, Quebec-Champlain, QC. 0234 10/17. NDB.
 340 **CANADA** YY, Mont Joli, QC. 0014 10/17. NDB.
 341 **CANADA** YYU, Kapuskasing, ON. 0033 10/17. NDB.
 343 **CANADA** ZBM, Bromont, QC. 0211 10/17. NDB.
 344 **CANADA** YGV, Havre Saint Pierre, QC. 0110 10/17. NDB.
 346 **CANADA** YXL, Sioux Lookout, ON. 0310 10/16. NDB.
 350 **USA** MSQ, Culpeper-Stevensburg, VA. 0210 10/17. NDB.
CANADA DF, Deer Lake, NL. 0153 10/17. NDB.
 351 **CANADA** YKQ, Fort Rupert, QC. 0018 10/17. NDB.
 356 **USA** SUH, Owl's Head-Spruce Head, ME. 0307 10/17. NDB.
USA HEU, Schenectady, NY. 0307 10/17. NDB.
CANADA AY, Saint Anthony, NL. 0212 10/17. NDB.
 360 **CANADA** PN, Port Menier, QC. 0021 10/17. NDB.
 362 **USA** JWE, Oxford, CT. 0317 10/17. NDB.
USA SUR, Fitzgerald, GA. 0208 10/17. NDB.
CANADA C7, Geraldton, ON. 0312 10/17. NDB.
CANADA SB, Sudbury, ON. 0105 10/17. NDB.
CANADA SC, Sherbrooke, QC. 0252 10/17. NDB.
 364 **CANADA** ZHZ, Halifax, NS. 2322 10/18. NDB.
 365 **EQUADOR** PAL, Palma. 0209 10/17. NDB.
 366 **USA** IS, Islip, NY. 1056 10/18. NDB.
CANADA YMW, Maniwaki, QC. 0022 10/17. NDB.
 367 **USA** FVX, Farmville, VA. 0211 10/17. NDB.
 368 **USA** IMR, Marshfield, MA. 0104 10/17. NDB.
CANADA ZYZ, Toronto-Maitin, ON. 0305 10/17. NDB.
 369 **ANTIQUE** ZDX, Saint John. 0212 10/17. NDB.
 373 **CANADA** 2Q, Mont Laurier, QC. 2355 10/17. NDB.
CANADA YXK, Rimouski, QC. 2324 10/16. NDB.
 375 **CANADA** 7B, Saint Thomas, ON. 0305 10/17. NDB.
 376 **BAHAMAS** ZIN, Great Inagua-Matthew Town. 0300 10/21. NDB.
 377 **CANADA** YRR, Ottawa-Greeley, ON. 0114 10/17. NDB.
 378 **CANADA** RJ, Roberval, QC. 0040 10/17. NDB.
 379 **USA** BRA, Asheville-Broad River, NC. 0317 10/17. NDB.
CANADA YPQ, Peterborough, ON. 0308 10/16. NDB.
 382 **CANADA** YPL, Pickle Lake, ON. 0315 10/17. NDB.
 384 **CANADA** F8, Victoriaville, QC. 0305 10/17. NDB.
 385 **USA** EMR, Augusta-Emory, GA. 0105 10/18. NDB.
CANADA YNC, Wemindji, QC. 0305 10/17. NDB.
 386 **USA** GMA, Whitefield, NH. 0500 10/19. NDB.
SAINT PIERRE AND MIQUELON SP, Saint Pierre. 0257 10/17. NDB.
 387 **USA** UN, University Park, PA. 0208 10/17. NDB.
CANADA 6E, Grand Manan, NB. 0300 10/17. NDB.
 388 **USA** RNW, Chocowinity, NC. 0224 10/17. NDB.
CANADA H7, Manitoulin East, ON. 0300 10/17. NDB.
 389 **USA** PVC, Provincetown, MA. 0300 10/17. NDB.
 390 **CANADA** VP, Kujack-Kuujuuaq, QC. 1056 10/19. NDB.
 391 **CANADA** OO, Oshawa, ON. 0043 10/17. NDB.
PUERTO RICO DDP, San Juan. 0042 10/17. NDB.
 392 **CANADA** ML, Charlevoix, QC. 0024 10/17. NDB.
 396 **USA** NEL, Lakehurst, NJ. 0025 10/17. NDB.
CANADA JC, Rigolet, NL. 0048 10/17. NDB.
 397 **USA** OW, Norwood, MA. 0309 10/17. NDB.
CANADA ZHA, Hamilton, ON. 0304 10/16. NDB.
 401 **CANADA** Y8, Drummondville, QC. 0252 10/17. NDB.
 402 **USA** LW, Lawrence, MA. 0311 10/17. NDB.
 404 **CANADA** ZR, Sarnia, ON. 1056 10/18. NDB.
 407 **USA** OX, Ocean City, MD. 1056 10/18. NDB.
USA FR, Farmingdale, NY. 0028 10/17. NDB.
CANADA ZHU, Montreal, QC. 0027 10/17. NDB.
CANADA YT, Pembroke, ON. 0300 10/17. NDB.
 413 **CANADA** YHD, Dryden Regional, ON. 0350 10/17. NDB.
 415 **CAYMAN ISLANDS** CBC, Cayman Brac. 0301 10/17. NDB.
 417 **USA** IY, Floyd, IA. 1056 10/18. NDB.
USA HQT, Coats-Harnett, NC. 0210 10/17. NDB.
 419 **USA** RYS, Detroit-Grosse Ile, MI. 0208 10/17. NDB.
 432 **USA** IZN, Lincolnton, NC. 0109 10/18. NDB.
 490 **CANADA** VCK, Riviere-au-Renard, QC. 0700 10/17. NAVTEX message (French).
 515 **USA** OS, FULER-Columbus, OH. 1037 10/19. NDB.
 516 **CANADA** YWA, Petawawa, ON. 0218 10/21. NDB.
 518 **USA** NOJ, Kodiak, AK. 0945 10/19. NAVTEX message.
USA NMQ, Cambria, CA. 1040 10/19. NAVTEX message.
USA NMA, Miami, FL. 10/17. NAVTEX message.
USA NMB, Savannah, GA. 10/17. NAVTEX message.
USA NMG, New Orleans, LA. 0800 10/17. NAVTEX message.
USA NMF, Boston, MA. 10/17. NAVTEX message.
USA NMW, Astoria, OR. 0757 10/19. NAVTEX message.
USA NMN, Portsmouth, VA. 10/17. NAVTEX message
CANADA VAR-9, Chebogue, Fundy, NB. 10/17. NAVTEX message.
CANADA VOK, Cartwright, Labrador, NL. 10/17. NAVTEX message.
CANADA VON, Robin Hood Bay, Saint John's, NL. 10/17. NAVTEX message.
CANADA VCO, Port Caledonia, Sydney, NS. 10/17. NAVTEX message.
CANADA XLJ895, Pass Lake, Thunder Bay, ON. 10/17. NAVTEX message.

518(c) **CANADA** XMJ329, Ferndale, Prescott, ON. 10/17. NAVTEX message.
CANADA VCK, Riviere-au-Renard, QC. 0700 10/17. NAVTEX message.
BERMUDA ZBR, Bermuda Harbor. 10/17. NAVTEX message.
CANARY ISLANDS EAL, Las Palmas. 10/17. NAVTEX message.
GERMANY DDH47, Pinneberg. 10/16. NAVTEX message.
GREENLAND XXX, Simiutaq, Cape Farewell. 0600 10/17. NAVTEX message.
IRELAND EJK, Valentia. 10/17. NAVTEX message.
PUERTO RICO NMR, San Juan. 10/18. NAVTEX message.
SPAIN EAR, Coruna. 10/17. NAVTEX message.
UNITED KINGDOM GCC, Cullercoats. 10/17. NAVTEX message.
UNITED KINGDOM GNI, Niton. 10/17. NAVTEX message.

520 **CANADA** F9, Miramichi-Chatham, NB. 2247 10/19. NDB.
523 **USA** JHH, Johnstown, NY. 2249 10/19. NDB.
530 **CANADA** CIAO, Brampton, ON. 0000 10/21. ID.
CUBA CMBQ, Radio Enciclopedia, Villa Maria, LH. 0000 10/21. Soft instrumental music, Spanish announcer.

531 **ALGERIA** Jil FM, F'Kirina. 2205 10/17. Western pop music, //549.
SPAIN RNE5 synchros. 0300 10/20. 5+1 time pips //other RNE5 frequencies.

539.87 **NICARAGUA** YNA3OW, Radio Corporación, Managua. 1003 10/18. National anthem.
540 **USA** WFLF, Pine Hills, FL. 0402 10/17. ID, news.
CANADA CBT, Grand Falls, NL. 0300 10/17. TOH ID.
HUNGARY MR1, Kossuth Radio, Solt. 0253 10/21. Sign on w/test tone from 0253-0255, then a short multi-frequency tone (same as heard on a Hungarian DXer's Youtube video of Kossuth Radio). Under strong NYC station, so no other audio was discernible. Also heard 10/20 with 0253 sign on, and 10/17 and 10/18 with sign on at 0223 – these correspond to the published weekend and weekday summer sign on times.
SPAIN Onda Cero, Barcelona. 0300 10/17. 5 short, 1 long pip at 0300 then RNE5 sounder, clear under WLIE, CBT.

549 **ALGERIA** Jil FM, Sidi Hamadouche. 2300 10/20. 2+2+1 time pips at TOH //same on 531. 2+2+1 pips also heard at 0400 and 0500 on 10/21.
550 **USA** WGR, Buffalo, NY. 0100 10/17. TOH ID.
USA WSJW, Pawtucket, RI. 0500 10/17. ID, Relevant Radio.

558 **SPAIN** RNE5 synchros. 2201 10/20. //747 sounder and news by a woman in Spanish.
560 **USA** WHYN, Springfield, MA. 1610 10/17. ID.
USA WGAN, Portland, ME. 0300 10/17. ID, into CBS news.

567 **SPAIN** RNE5, Murcia. 0154 10/17. Spanish talk by woman //576.
570 **CANADA** CFCB, Corner Brook, NF. 2355 10/16. ID.
COLOMBIA HJND, Radio Nacional de Colombia, Bogotá. 0600 10/17. Fast Latin music, "Radio Nacional de Colombia" ID by woman.
CUBA CMDC, Radio Reloj, Santa Clara. 0104 10/18. "RR".

576 **BULGARIA** BRN Horizont, Vidin. 2308 10/20. Talk by woman, then man in Bulgarian, likely news (language ID from RealDX).
SPAIN RNE5, Barcelona. 2258 10/18. Time pips @ 2300 time check, ID, servicios informativos.

585 **SPAIN** RNE1, Madrid. 2159 10/18. Spanish talk between man and woman, English clip mentioning "spirit of rebellion", piano music into TOH. Another station with music under.

590 **USA** WEZE, Boston, MA. 0300 10/17. ID, "The Spirit of Boston" and "The Word" slogans, into health program.
USA WROW, Albany, NY. 0900 10/17. ID, Magic 590.
CANADA VOCM, Saint John's, NL. 2231 10/19. Singing jingle females VOCM 590; Four Tops song.
CUBA CMBF, Radio Musical Nacional, La Julia. 0600 10/20. Classical music, announcements by man in Spanish.
DOMINICAN REPUBLIC HIDV/HIB24, Radio Santa Maria, Concepción de La Vega. 0900 10/18. ID, national anthem at sign on.
MEXICO XEPH, Mexico City, DF. 0600 10/20. Call letters by female announcer in Spanish, under Cuba.

594 **SAUDI ARABIA** SBC Radio Riyadh, Duba. 0300 10/17. Arabic talk by man interspersed with short musical stingers, several mentions of "Arabya".
595 **MOROCCO** SNRT Al Idaa' Al-Watania, Oujda. 0041 10/20. Arabic talk weak, only one possible.
600 **USA** WICC, Bridgeport, CT. 0000 10/17. TOH ID.
CANADA CKAT, North Bay, ON. 2349 10/18. ID between periods of hockey game.
CUBA CMKV, Radio Rebelde, San German, HOL. 0105 10/18. Spanish talk, sounder.

603 **ROMANIA** Radio Actualitati, Batosani. 0300 10/17. 2 distinct sets of pips; no changes in carrier in 15 minutes prior so most likely the 2 50kw transmitters.
ROMANIA Radio Actualitati, Orodea. 0300 10/17. 2 distinct sets of pips; no changes in carrier in 15 minutes prior so most likely the 2 50kw transmitters.
SPAIN RNE5, Sevilla. 0059 10/18. Time pips @ 0100 time check, ID, servicios informativos.

612 **MOROCCO** SNRT Al Idaa' Al-Watania, Sebaâ-Aioun. 2251 10/16. Arabic singing //web; another station under a few minutes later.
SPAIN RNE1 synchros. 2300 10/16. Two sets of 5 short 1 long time pips overlaying.

620 **USA** WDAE, Saint Petersburg, FL. 0600 10/20. ID, ESPN news over Radio Rebelde.
USA WZON, Bangor, ME. 2200 10/18. WABI-TV Bangor audio w/local news on Delta flights in Bangor being discontinued.
USA WHEN, Syracuse, NY. 0000 10/17. ID.
USA WVMT, Burlington, VT. 2332 10/18. ID.

621 **SPAIN** RNE5 synchros. 2159 10/18. Time pips @ 2200, time check, ID, servicios informativos.
630 **USA** WMAL, Washington, DC. 0300 10/17. TOH ID.
USA WLAP, Lexington, KY. 0200 10/17. TOH ID.
USA WMFD, Wilmington, NC. 2333 10/18. ID.
USA WEJL, Scranton, PA. 2206 10/17. Sports talk, ads with Area 570.
USA WPRO, Providence, RI. 2233 10/16. Traffic, ID.
CANADA CFCO, Chatham, ON. 2300 10/19. C&W music, 2301 ID w/FM 92.9 mention.
CUBA CM--, Radio Progreso, Pinar del Río, PdR. 0106 10/18. Spanish talk, ID.
PORTUGAL Antena 1 synchros. 2223 10/20. With western jazz vocals – //720.
TUNESIA RTT Radio National, Tunis. 2211 10/20. Male/female vocal Arabic music.

639 **SPAIN** RNE1 synchros. 0059 10/19. Time pips @ 0100, time check, ID, servicios informativos.
640 **CANADA** CBN, Saint John's, NL. 2359 10/18. CBC One ID and FM //.
CUBA CM--, Radio Progreso, Guanabacoa. 0015 10/19. Spanish talk, many mentions of Cuba.

648p **SAUDI ARABIA** SBC Radio Riyadh, Jeddah. 0254 10/17. Middle Eastern music – only reasonable option at this time.
SPAIN UnID 2206 10/19. Woman's voice in slop from 640 and 660. Believe to be Spain similar to audio on 621 in same time period. RNE?

650 **USA** WSR0, Ashland, MA. 2158 10/19. Portuguese talk, English calls, apparently powered down then CKGA came up.
CANADA CKGA, Gander, NF. 2222 10/19. ID 590 VOCM. Sports show. Lengthy spot for Maverick Sports and Collectibles on Water Street 738-2826. Sports show matches VOCM web site Friday night sports show.
COLOMBIA HJKH, Antena 2, Bogotá. 0500 10/19. RCN jingle under Progreso and WSM.

657 **SPAIN** RNE5, Madrid. 0155 10/21. //1107 with Spanish talk by a man.
670 **USA** WWFE, La Poderosa, Miami, FL. 0300 10/19. Spanish talk under/over Rebelde echos, mentions "Poderosa," WWFE EG ID and "la Poderosa" jingle song; WSCR way under.
USA WLUI, Lewistown, PA. 2207 10/17. Oldies, "The Big LUI".
CUBA CM--, Radio Progreso synchros. 2359 10/16. ID.

675p **QATAR** QMC Radio Qatar. 2252 10/20. Middle Eastern music, talk by woman in Arabic.
680 **USA** WCBM, Baltimore, MD. 0000 10/17. ID.
USA WRKO, Boston, MA. 0300 10/17. TOH ID.
COLOMBIA HJZO, Radio Nacional, Barranquilla. 0457 10/20. "Radio Nacional... de Colombia" ID by woman then a marimba riff //570.
PUERTO RICO WAPA, San Juan. 2201 10/18. New w/mention of Puerto Rico, "La Poderosa" slogan and list of all the stations in the WAPA network.

684 **SPAIN** RNE1, Dos Hermanas. 2158 10/17. Music, time pips, ID, news.

- 690 **USA** WADS, Ansonia, CT. 2200 10/16. ID.
COLOMBIA HJCZ, W Radio, Bogotá. 0301 10/19. "W Radio, Colombia" ID and disco music promo.
CUBA CM--, Radio Progreso, unknown location. 0129 10/20. Spanish ID chimes Habana.
MÉXICO XEN, Mexico City, DF. 0600 10/20. "X-E-N, AM" ID under Radio Progreso.
- 693 **UNITED KINGDOM** BBC 5 Live synchros. 0259 10/18. ID "This is BBC 5 Live", into BBC news.
SPAIN RNE1 synchros. 2301 10/18. //684.
- 700 **USA** WFAT, Orange, MA. 2200 10/20. TOH ID.
- 702p **ALGERIA** Radio Coran, Laghouat. 0156 10/17. Arabic talk by woman, 5 short TOH pips //252 Algeria. Heard at 2240 w/popular Arabic singing.
IRAN IRIB World Service, Kishahr. 0000 10/21. Man speaking in Farsi – Per Mauno Ritola on RealDX this outlet has variable s/on hours.
- 710 **CUBA** CM--, Radio Rebelde synchros. 0006 10/19. Spanish talk, ID.
CUBA CM--, Radio Rebelde synchros. 0006 10/19. 2nd station, echo of prior.
- 720 **USA** WGCR, Pisgah Forest, NC. 2240 10/16. Religious talk after WHYF s/off, presumed this.
CANARY ISLANDS RNE5, Tenerife. 2200 10/18. TOH 5+1 time pips //other RNE5 stations.
PORTUGAL Antena 1 synchros. 2200 10/16. 4 long +1 short time pip as heard on their web. Also heard 10/18.
- 729 **SPAIN** RNE1 synchros. 0059 10/18. Time pips @ 0100 time check, ID, servicios informativos.
- 730 **USA** WACE, Chicopee, MA. 2200 10/16. Faithtalk ID, religious show.
USA WDOS, Oneonta, NY. 0300 10/17. TOH ID.
USA WZGV, Cramerton, NC. 0600 10/20. Home of Clemson Tigers football. TOH ID WZQV AM; 190 Watts night power. In a mix with UnID playing orchestral music.
CANADA CKAC, Montreal, QC. 0000 10/17. TOH ID.
COLOMBIA HJCU, Melodia Stereo, Bogotá. 0600 10/20. Signature ascending-notes chimes several times, under a domestic station playing hard rock.
MÉXICO XEX, Mexico City, DF. 1100 10/18. "W Deportes" ID.
- 738 **SPAIN** RNE1, Barcelona. 2300 10/20. Time pips @ 2300 time check, ID, servicios informativos.
- 740 **CANADA** CFZM, Toronto, ON. 2300 10/16. TOH ID.
CUBA CM--, Radio Angulo, Sagua de Tánamo, HOL. 0400 10/19. Angulo jingle, ID, Cuban national anthem.
- 747 **CANARY ISLANDS/SPAIN** RNE5 synchros. 0000 10/18. Time pips @ 0000 time check, ID, servicios informativos.
- 750 **USA** WQOR, Olyphant, PA. 2210 10/17. Religious talk, ID.
CANADA CBGY, Bonavista, NL. 2200 10/16. CBC Radio One ID, Canadian news.
ARGENTINA LRA7, Radio Nacional, Cordoba. 0500 10/19. Teletype sound FX, piano interlude, "Nacional... la radio" ID same as on web, 5+1 time pips.
VENEZUELA YVKS, RCR Radio Caracas Radio, Caracas. 0400 10/19. RCR Deportes ID, Venezuelan national anthem, over Radio Progreso Cuba ID and anthem.
- 756 **IRAN** Radio Chahar Malal, Shahr-e Kord. 0045 10/21. Man speaking in Farsi.
ROMANIA SRR Radio România Actualit', Lugoj. 0300 10/17. 6 short time pips //603, 855, 1179, 1593.
- 760 **USA** WVNE, Leicester, MA. 2200 10/20. TOH ID.
USA WCHP, Champlain, NY. 2215 10/20. S/off.
COLOMBIA HJAJ, RCN, Barranquilla. 0340 10/17. Talk in Spanish, RCN jingles and IDs under WJR.
- 770 **COLOMBIA** HJJX, RCN Radio, Bogotá. 0238 10/19. "R-C-N Radio" ID, mentions of Colombia //760; Radio Artemisa and Rebelde co-channel.
CUBA CM--, Radio Rebelde, Las Tunas, LT. 0211 10/17. Spanish talk //600, 670.
CUBA CM--, Radio Artemisa, unknown location. 0400 10/19. Artemisa jingle, Cuban national anthem; under Rebelde.
- 774 **EGYPT** ERTU, Abis. 0256 10/17. Presumed with Koranic recitations.
SPAIN RNE1 synchros. 2201 10/20. //747 sounder and news by a woman in Spanish.
UnID 0115 10/20. Sounded like a play with dialog and some music. Language unknown.
- 780 **USA** WTME, Rumford, ME. 2220 10/20. ID.
- 783 **SPAIN** COPE, Miramar. 0300 10/17. 5+1 time pips.
SYRIA SRTV 1 Dimashk, Tartus. 2217 10/17. Arabic talk with many mentions of Syria; later //web.
- 790 **CUBA** CMAQ, Radio Reloj, Pinar del Rio, PdR. 0300 10/17. "RR".
SPAIN SER, Sevilla. 2200 10/20. News talk by two men, //1044.
- 800 **CANADA** CJAD, Montreal, QC. 2253 10/18. French language news.
BONAIRE PJB, TWR, Kralendijk. 0130 10/18. Spanish religious music, "Radio Trans-mundial" ID then Spanish religious program.
- 801 **SPAIN** RNE synchros. 2200 10/18. 5+1 time pips //other RNE's.
- 810 **COLOMBIA** HJCY, CARACOL, Bogotá. 0007 10/19. Spanish talk by men, multiple mentions of Colombia.
MACEDONIA Makedonsko Radio, Ovce Pole. 2204 10/18. Probable with vocal and flute music over/under WGY, which several RealDX members believe is Macedonian. Subsequent research seems to confirm this.
SCOTLAND BBC Scotland, multiple. 2251 10/19. Scottish-accented woman announcing the previous song, bubbled up under WGY. At TOH BBC news read by woman over WGY.
- 819p **EGYPT** ERTU Al-Barnameg al-Aam, Batrah. 2358 10/19. Arabic music, talk in Arabic @ 2359, more music.
- 820 **SPAIN** Radio Inter, Madrid. 2234 10/16. Spanish talk, music
USA WBAP, Fort Worth, TX. 1100 10/17. ID, local traffic report.
- 828 **CUBA** CM--, Radio Reloj, Ciego de Avila. 0140 10/21. RR. Over sports Old Dominion vs Western KY football.
- 830 **SPAIN** Hit FM, Barcelona. 2303 10/16. Spanish talk, music, nothing else in Spanish on channel.
- 830 **USA** WCRN, Worcester, MA. 2200 10/20. TOH ID.
- 837 **SPAIN** COPE, Sevilla. 2157 10/17. Commercials for businesses in Sevilla, ID "COPE Sevilla" @ 2201.
- 840 **USA** WRYM, New Britain, CT. 2200 10/20. TOH ID.
USA WVPO, Stroudsburg, PA. 2200 10/19. ID – 250 watts, ESPN.
HAITI 4VEH, Cap-Haitien. 0300 10/19. "Dashing Through The Snow" interval signal, into light church music.
UnID 0559 10/20. Station playing disco oldies and some tropical music under WHAS.
- 846p **IRELAND** Radio North, Redcastle. 2257 10/20. English "Happy Birthday" song, laughing by the on-air announcers.
UnID 2323 10/16. Rapid, non-English non-Arabic talk by a woman.
- 850 **USA** KOA, Denver, CO. 1100 10/17. Poor level w/ID.
USA WAXB, Ridgefield, CT. 1626 10/17. ID.
USA WEEL, Boston, MA. 0300 10/17. TOH ID.
USA WKNR, Cleveland, OH. 0000 10/17. ID.
- 855 **SPAIN** RNE1 synchros. 2125 10/17. Man and woman talking, time pips @ 2130, ID, promo for sports program, stinger.
- 860 **COLOMBIA** HJNJ, W Radio, Valledupar. 0336 10/19. Rapid-fire sports play by play, several mentions of Colombia by announcer similar to other Colombian sports, long "gooooaaaaaalllll!"
CUBA CMBD, Radio Reloj, Bolondron. 0559 10/20. "RR" under CJBC French.
- 864 **EGYPT** ERTU Al Quran Al Karim, Santah. 2304 10/16. Koranic recitation //1503.
SPAIN RNE1, Socuéllamos. 2200 10/18. 5+1 time pips //other RNE's – 5 kW.
- 870 **CUBA** CMTD, Radio Reloj, Sancti Spiritus, SS. 0009 10/19. "RR".
- 880 **USA** WZAB, Sweetwater, FL. 0252 10/19. ID, music from The Temptations.
- 882 **WALES** BBC Wales synchros. 0028 10/18. ID @ 0028 "You're listening to BBC World Service".
- 900 **USA** WGHM, Nashua, NH. 2203 10/20. ID for WGAM-1250 which this relays.
- 909p **ROMANIA** SRR Radio Cluj. 0255 10/17. 1000 Hz warm-up tones //1593.
SPAIN RNE5, Palma de Mallorca. 2310 10/16. Spanish talk, music //747, 936.
UNITED KINGDOM BBC 5 Live synchros. 0103 10/18. Sports promo, ID @ 0105.
- 910 **USA** WLAT, New Britain, CT. 0200 10/21. Tropical music, call sign.
USA WABK, Bangor, ME. 0000 10/21. Classic rock by The Who, Aerosmith, "104 FM" ID.
- 917 **NIGERIA** Radio Gotel Yola, Jabura. 2348 10/18. Instrumental/vocal music, talk by a man, in briefly.

920 **USA** WDMC, Vero Beach, FL. 0300 10/18. Religious program, ID.
USA WHJJ, Providence, RI. 0000 10/17. ID.
CANADA CKNX, Wingham, ON. 0001 10/17. ID.
CUBA CM--, Radio Reloj, unknown location. 0300 10/17. "RR".

930 **USA** WBEN, Buffalo, NY. 2206 10/17. ID.
936 **MOROCCO** SNRT Al Idaa Al Amazighia, Agadir. 2309 10/19. Sounded like Ride of the Valkyrie music, //web.
SPAIN RNE5 synchros. 2311 10/16. Spanish talk, music //909, 747.
SYRIA SRTV1, Homs. 0246 10/17. Arabic music //783.
UnID 2212 10/20. Koranic, woman speaking, music.

940 **USA** WMIX, Mount Vernon, IL. 0500 10/17. ID.
CANADA CFNV, Montreal, QC. 2234 10/19. French talk, music, mentions of Canada.
MÉXICO XEQ, Mexico City, DF. 1100 10/18. La K Buena XEQ ID, national anthem.

945 **IRAN** Radio Kordestan, Dehgolan. 2245 10/18. Kurdish music so likely this per RealDX.
ROMANIA Radio Romania Actualitati, Miurcurea Ciuc. 2359 10/20. Music, "Hora Exacta", time pips, ID, //much louder 1179.

950 **USA** WROL, Boston, MA. 0000 10/17. ID.
954 **SPAIN** Onda Cero, Madrid. 2306 10/16. Spanish talk by a man //web.
TURKEY TRT 1 Radyo Bir, Trabzon-Deliktas. 0300 10/21. News, ID, music, //web.

960 **USA** WEAV, Plattsburgh, NY. 2300 10/16. ID.
963p **TUNISIA** Radio Tunis, Tunis. 2236 10/16. French-sounding music and talk, presumed this.
UnID 2225 10/16. Brief snippet of rock beat music, possibly in English.

970 **USA** WZAN, Portland, ME. 0300 10/17. TOH ID.
USA WWRK, Florence, SC. 0000 10/17. TOH ID.

972p **SPAIN** RNE1 synchros. 0252 10/17. Presumed this is 5 or 6 kW outlet.
980 **USA** WCAP, Lowell, MA. 2300 10/16. ID in break from baseball playoff game.
981 **ALGERIA** Chaîne 2, Ouled Fayet. 2155 10/20. North African music, //Tune In.
990 **USA** WDCX, Rochester, NY. 0200 10/17. TOH ID.
USA WNTI, Somerset, PA. 2230 10/19. ID.
CANADA CBY, CBC Radio One, Corner Brook, NL. 0300 10/17. TOH ID.
SPAIN SER, Bilbao. 0300 10/17. Time pips – 5 short 1 long clearly under CBY.

999 **SPAIN** COPE, Madrid. 0000 10/18. Time pips @ 0000, into news, //837.
1000 **USA** WLNL, Horseheads, NY. 2202 10/17. ID.
USA WRQR, Paris, TN. 1100 10/17. ID, oldies music.
MÉXICO XEOY, Mexico City, DF. 1100 10/18. National anthem, Radio Mil singing ID.
UnID 0200 10/17. 5 long pips, at lower pitch than the more usual 1 kHz.

1010 **USA** WHIN, Gallatin, TN. 1100 10/17. ID, oldies music.
CANADA CFRB, Toronto, ON. 0000 10/17. TOH ID.
SPAIN RNE5 synchros. 0026 10/19. Spanish talk.

1017 **SPAIN** SER synchros. 2226 10/16. //1179 w/Spanish talk by a man; another station mixing w/talk by man in UnID language.
1035 **ESTONIA** Eli Radio, Tartu. 2207 10/18. Western instrumental music probably this per RealDX.
1039.62 **VENEZUELA** YVLB, Valencia. 0403 10/20. Known offset for this station; peak of audio w/Spanish singing by a woman, equal to Cuba/domestic stations.

1040 **USA** WPBS, Conyers, GA. 1100 10/17. ID, Vietnamese program.
USA WSGH, Louisville, NC. 2200 10/18. Spanish ID.
USA WYSL, Avon, NY. 2228 10/19. ID.
USA KHFX, Cleburne, TX. 0500 10/17. "KHFX, 1140-AM Cleburne" ID by Spanish accented man.
CANADA CJMS, Saint Constant, QC. 0256 10/19. Country music, French talk by woman w/ads.
CUBA CM--, Radio Mayabeque, Guines, MBQ. 0757 10/18. ID by man, Mayabeque signature tune, mixing with WURN-FL Spanish man and woman talking, and WHO-IA.

1044 **SPAIN** SER synchros. 2200 10/20. Talk between two men in Spanish, talked through TOH 5+1 time pips. No ID but mentions "Barcelona" //1116.
1050 **USA** WLYC, Williamsport, PA. 0300 10/17. TOH ID.
CUBA CMAP, Radio Guama, Santa Lucia, PdR. 0009 10/19. Spanish talk by man //1070.
MÉXICO XEG, Monterrey, NL. 1100 10/17. National anthem, La ranchera slogan.

1053 **ROMANIA** Radio lasi, lasi. 0252 10/17. S/on with 1 kHz tone, anthem.
SPAIN COPE synchros. 0100 10/17. 5+1 time pips //1143 (double pips due to 2 transmitters), 1134, 837, 1269.
UNITED KINGDOM TalkSport synchros. 2159 10/18. Commercials, including one for new boilers, sports news //1089.

1062p **IRAN** IRIB Radio Kerman, Kerman. 2248 10/20. Presumed with Middle Eastern music, pres Farsi talk by a woman.
TURKEY TRT 6 Radyo Sese, Diyarbakir. 0315 10/17. Nonstop Middle Eastern music without announcements at TOH or BOH, ID w/help from Mauno Ritola @ RealDX.

1070 **USA** WPLB, Plattsburgh, NY. 2200 10/20. TOH ID.
USA WKOK, Sunbury, PA. 2227 10/19. ID.
CANADA CHOK, Sarnia, ON. 0200 10/17. TOH ID.
CUBA CMAM, Radio Guama, Guane, PdR. 0009 10/19. Spanish talk by man //1050.
UnID 0124 10/20. Middle Eastern music.

1071 **UNITED KINGDOM** TalkSport synchros. 2159 10/17. Commercials, ID @ 2201.
1089 **USA** WILD, Boston, MA. 2200 10/20. Asian language talk.
1090 **USA** WILD, Boston, MA. 2200 10/20. Asian language talk.
1098p **SLOVAKIA** Sro 3 Radio Devin, Nitra. 0002 10/21. Presumed with classical or church choir music, matching website program guide for that time.
SPAIN RNE5 synchros. 2300 10/20. Time pips @ 2300 time check, ID, servicios informativos.

1107 **SPAIN** RNE5 synchros. 0300 10/20. 5+1 time pips //other RNE5 frequencies.
1116 **SPAIN** SER synchros. 2200 10/18. 5+1 pips, talk between two men in Spanish //SER 1044 outlet.
1120 **USA** WBNW, Concord, MA. 2213 10/17. Business talk, ID.
USA WKAJ, Saint Johnsville, NY. 2330 10/16. ID.
PUERTO RICO WMSW, Hatillo. 2200 10/18. ID.

1125 **BELGIUM** RTVF VivaCite, Houdeng. 2224 10/20. Presumed with light pop music, not //RNE5.
IRAN Radio Qazvin, Qazvin. 0120 10/21. Koranic recitation behind Spain, Belgium.
SPAIN RNE5 synchros. 0300 10/20. 5+1 time pips //other RNE5 frequencies.

1134 **KUWAIT** Radio Kuwait, Kabd/Sulabiyah. 0240 10/21. Koran, //web.
SPAIN COPE synchros. 0122 10/17. Spanish talk, music //837, 783.

1140 **USA** WQBA, Miami, FL. 0000 10/20. ID in Spanish w/English calls, "deportes radio", in all night.
USA WCJW, Warsaw, NY. 2200 10/19. FM's 100.9, 103.7, 104.3, 104.9 and 105.5 announced; today's favorite country for western NY.
USA WRVA, Richmond, VA. 0000 10/20. Singing ID, into news.
CANADA CHRFB, High River, AB. 0658 10/21. Religious female vocal song, then "We are southern Alberta's... news radio station, AM 1140".
CANADA CBI, CBC Radio One, Sydney, NS. 0700 10/20. "92.1 FM in Glace Bay", CBC Radio One ID, "As It Happens" promo, into CBC news, in all night.
CUBA CM--, Radio Rebelde. 0300 10/17. Dominant Cuban had Radio Musical program, Rebelde was way under.
CUBA CM--, Radio Musical. 0300 10/17. Dominant Cuban had Radio Musical program, Rebelde was way under.

1143 **SPAIN** COPE synchros. 0020 10/17. Two men talking in Spanish //web – 5 kW.

1150 **USA** WMRD, Middletown, CT. 2200 10/20. Blues music, announced WLSI 1420 and 1150, program on Arts In Connecticut.
USA WWDJ, Boston, MA. 0200 10/17. TOH ID.
USA WGBR, Goldsboro, NC. 0210 10/17. "1150 AM and 98.3 FM, WGBR".
USA WAVO, Rock Hill, SC. 2200 10/18. ID.
CUBA CM--, Radio Bayamo, Bueycito. 0350 10/17. Sounded like music from "Love Story", Radio Bayamo chimes.

1152 **ROMANIA** SRR Radio România Actualitati, Cluj. 0200 10/18. "Hora exacta" by a man, choral music, 6 short pips into pres news by a man.
SPAIN RNE5 synchros. 0300 10/20. Two sets of 5+1 time pips (about .25 sec apart) //other RNE5 frequencies.

1170 **USA** WCTF, Vernon, CT. 2200 10/16. Family Radio slogan, callsign, mentions of CT in signoff announcements.
UNITED ARAB EMIRATES Sawt Al-Joumhouria, Al-Dhabbaya. 2228 10/16. Middle Eastern music, then Arabic talk by man and clear ID by woman as "Idha'at Sawt Al-Joumhouria" completely over WWVA.

1179 **CANARY ISLANDS/SPAIN** SER synchros. 0059 10/18. Time pips @ 0100, ID, into news, //1044.
ROMANIA SRR Radio România Actualit'i, Bacau. 0300 10/17. Music, "Radio Romania... hora exacta..." 6 short pips, "hora shata?" then talk (presumed news) by man.

1180 **USA** WSKP, Hope Valley, RI. 1635 10/17. ID.
CUBA CM--, Radio Rebelde synchros, LH. 0300 10/17. Rebelde sounder.

1188 **IRAN** Radio Payam, Tehran. 2259 10/17. Payam stinger, matches http://www.intervalsignals.net/Files/irn-viri_payam_301014.m3u.
UnID 2337 10/16. Koran.

1190 **USA** WOWO, Fort Wayne, IN. 0200 10/17. TOH ID.
USA WIXE, Monroe, NC. 2200 10/18. ID, "Mighty 1190".
USA WCRW, Leesburg, VA. 2200 10/17. Religious talk, ID.

1197 **IRAN** IRIB Radio Ardabil, Moghan. 2224 10/20. Music, ID @ 2225.
ROMANIA SRR Radio, Brasov. 2251 10/20. Two woman talking; language was confirmed as Romanian.

1200 **USA** WXKS, Newton, MA. 0000 10/17. TOH ID.
CANADA CFGO, Ottawa, ON. 0000 10/17. TOH ID.

1215 **SPAIN** COPE synchros. 0100 10/17. 5+1 time pips //1143.
UNITED KINGDOM Absolute Radio synchros. 0035 10/19. Armchair levels with announcements by woman, pop music.

1220 **USA** WSTL, Hamden, CT. 0000 10/17. TOH ID.
USA WGNV, Newburgh, NY. 2200 10/20. TOH ID.

1224 **SPAIN** COPE synchros. 2232 10/20. //1143, others.

1230 **USA** WNEZ, Manchester, CT. 0000 10/17. TOH ID.
USA WBLQ, Westerly, RI. 0000 10/17. TOH ID.

1250 **USA** WARE, Ware, MA. 2359 10/16. TOH ID.
USA WMTR, Morristown, NJ. 2300 10/16. TOH ID.
USA WPGP, Pittsburgh, PA. 2300 10/16. TOH ID.

1251p **HUNGARY** Danko Radio synchros. 0248 10/17. Carrier observed signing on at 0221, snippets of music including folk music at 0248.

1260 **USA** WSHU, Westport, CT. 2200 10/18. ID, web address, NPR.
USA WSKO, Syracuse, NY. 2200 10/17. Sportstalk, ID.
USA WPHB, Phillipsburg, PA. 2224 10/16. With "Radio PA News".
CANADA CKHJ, Fredericton, NB. 0200 10/17. TOH ID.

1269 **SPAIN** COPE synchros. 0100 10/17. 5+1 time pips //1143.

1270 **USA** WACM, Springfield, MA. 2331 10/16. ID.
USA WTSN, Dover, NH. 0300 10/17. ID, "Serving the sea coast for over 60 years" slogan.
CANADA CJCB, Sydney, NS. 0300 10/17. ID, C&W music.

1278 **IRAN** IRIB – Kermanshah, Kermanshah. 2230 10/16. Anthem followed by music and talk by female.

1280 **CANADA** CFMB, Montreal, QC. 0000 10/17. TOH ID.

1289.7p **USA** WYLY, Bellaire, OH. 0156 10/17. Country music where WYLY is reported off-frequency, presumed.

1290 **USA** WJNO, West Palm Beach, FL. 0200 10/17. TOH ID.
USA WKBK, Keene, NH. 0000 10/17. TOH ID.
CANADA CJBK, London, ON. 2300 10/16. TOH ID.

1290.3 **BRAZIL** ZYH888, Radio Timbira do Maranhao, San Luis. 0146 10/17. Presumed as Portuguese hrd; ZYH88 has been reported here off-frequency.

1296 **SPAIN** COPE, Valencia. 0259 10/18. Talk by man, time pips, theme music //837.
UNITED KINGDOM Radio XL, Birmingham. 0100 10/17. "...this is Radio XL" ID by man.

1300 **USA** WGDJ, Renssalaer, NY. 0000 10/17. TOH ID.

1305 **SPAIN** RNE5 synchros. 2259 10/19. Time pips @ 2300 time check, ID, servicios informativos.
UnID 0159 10/20. European sounding male announcer; language UnID; weak signal.

1310 **USA** WICH, Norwich, CT. 0000 10/17. TOH ID.
CANADA CIWW, Ottawa, ON. 2330 10/16. ID.

1314 **ROMANIA** Radio Antena Satelor, Constanta/Timsaora. 0155 10/21. Usual pre-s/on warmup tone but not much else 2 potential s/ons at this time on this channel.
SPAIN RNE5 synchros. 0059 10/18. Time pips @ 0100 time check, ID, servicios informativos.
UnID 0203 10/20. Man talking; unknown language not Arabic.

1320 **USA** WATR, Waterbury, CT. 0000 10/17. TOH ID.
USA WDER, Derry, NH. 0200 10/17. TOH ID.

1350 **USA** WNLK, Norwalk, CT. 2201 10/16. ID, religious songs.
USA WINY, Putnam, CT. 2200 10/19. Calls, web site, news.
USA WRNY, Rome, NY. 2234 10/16. ESPN, ID.

1360 **USA** WDRC, Hartford, CT. 2330 10/16. ID.

1370 **USA** WQLL, Pikesville, MD. 0300 10/17. TOH ID.
USA WFEA, Manchester, NH. 0200 10/17. TOH ID.

1380 **USA** WKJV, Asheville, NC. 2230 10/16. TOH ID.
USA WTYM, Kittanning, PA. 0300 10/17. TOH ID.

1386 **LITHUANIA** Radio Baltic Waves Int'l, Viešintos. 2346 10/16. RS talk by a man, ID as "Radio Svoboda" (Radio Liberty) confirmed by RealDX member Dmitry Mezin.

1390 **USA** WFBL, Syracuse, NY. 2332 10/16. ID.

1404p **ROMANIA** SRR Radio, Cluj. 0255 10/17. 1000 Hz test tones //1593.

1410 **CANADA** CJWI, Montreal, QC. 2159 10/16. French talk, "CPAM" ID.

1413 **MOLDOVA** Vesti FM, Grigoropol. 2225 10/20. Strong, overtaking RNE5 with talk in Russian and later ID.
SPAIN RNE5 synchros. 2200 10/18. TOH 5+1 time pips //other RNE5 stations.

1420 **USA** WLIS, Old Saybrook, CT. 2200 10/19. Jazz music, calls, into "Spotlight Radio" program.

1422p **ALGERIA** Radio Culture, Ouled Fayet. 2159 10/18. 5 short 1000 Hz pips then a 2500 kHz pip not //252 Chaine 3 program.
ROMANIA SRR Radio România Actualitati, Râmnicu Vâlcea. 2300 10/20. Music, "Hora Exacta", time pips, ID, //much louder 1179.

1430 **CANADA** CHKT, Toronto, ON. 0200 10/17. TOH ID.

1431 **DJIBOUTI** Radio Sawa, Arta. 0026 10/20. Music, //Tune In stream for Radio Sawa Gulf.

1440 **USA** WVEI, Worcester, MA. 2207 10/16. ID.
USA WFNY, Gloversville, NY. 2207 10/16. Local events.
USA WHKZ, Warren, OH. 0000 10/17. TOH ID.

1458 **ROMANIA** Radio Actualitati, Constanta. 0157 10/21. National anthem //others.
UNITED KINGDOM Lyca Radio, Brookman's Park. 2218 10/18. With pop-sounding music, British accented announcer, London ad.

- 1460 **USA** WHICH, Rochester, NY. 0300 10/17. TOH ID.
 1467 **FRANCE** TWR, Roumoules. 2219 10/18. TWR talk in French.
 1467.36 **IRAN** IRIB Radio Qom, Qom. 0116 10/20. Middle Eastern music; this reported off-frequency here.
 1470 **USA** WAZM, Watertown, MA. 0200 10/17. TOH ID.
USA WSAN, Allentown, PA. 2200 10/20. TOH ID.
 1480 **USA** WDJQ, Cincinnati, OH. 0500 10/17. ID, Cincinnati Oldies Network.
 1503 **EGYPT** ERTU Al-Quran al-Karim, El-Arish. 2339 10/16. Koran //web, later heard //864.
SPAIN RNE5 synchros. 0100 10/20. Time pips @ 0100, time check, ID, servicios informativos, mixing with Egypt.
 1510 **USA** WRNJ, Hackettstown, NJ. 2222 10/20. High school football.
 1512p **SAUDI ARABIA** SBC Al-Quran al-Karim, Jeddah. 2358 10/16. Koran.
 1521 **SAUDI ARABIA** SBC Radio Riyadh, Duba. 2201 10/18. ID "Idha'at ar-Riyadh" @ 2201, instrumental music.
 1530 **USA** WVBF, Middleborough, MA. 2201 10/20. Weather, promo for an event at Ventress Memorial Library in Marshfield, ID. Public radio-type programming.
USA WJDM, Elizabeth, NJ. 2202 10/20. Spanish Radio Cantico Nuevo, English call letters.
MEXICO XEUR, México, DF. 1100 10/18. Presumed w/national anthem under WCKY.
ROMANIA SRR Radio România Actualitati, R'd'u'i. 2359 10/20. Music, "Hora Exacta", time pips, ID, //much louder 1179; no sign of domestic stations. WCKY off until 0022, leaving the channel open.
SAO TOME VOA, Pinheira. 2158 10/18. Music from program right before signoff announcement //to what Mark Connelly heard at the same time.
 1539 **SPAIN** SER synchros. 2300 10/18. Time pips on TOH.
UNITED ARAB EMIRATES Asianet Radio, Al-Dhabbaya. 0210 10/21. Indian film music, //http://asianetradio.me/website39/asianet-new1.html.
 1540 **USA** KXEL, Waterloo, IA. 0900 10/17. ID.
CANADA CHIN, Toronto, ON. 2300 10/16. TOH ID.
BAHAMAS ZNS, Nassau. 0900 10/17. Religious music.
 1548 **KUWAIT** Radio Sawa, Al-Kuwayt. 2258 10/20. Koranic recitation.
 1550 **USA** WITK, Pittston, PA. 2200 10/20. TOH ID.
 1550.025 **ALGERIA** National Radio of the Sahrawi Arab Democratic Republic, Rabouni. 2228 10/18. Brief talk in Arabic by man incl mention of "Arabya" – during this time period other TA's were in on domestic channels (720, 810, 1170, 1530).
 1566 **BENIN** TWR Africa, Parakou. 2202 10/18. French religious talk, also native African music.
 1570 **CANADA** CJLV, Laval, QC. 2330 10/16. Oldies, ID.
MEXICO XERF, Ciudad Acuña, Chih. 0405 10/17. La Poderosa ID, national anthem at 0500.
 1575 **SPAIN** SER synchros. 2154 10/20. Spanish conversation.
UNITED ARAB EMIRATES Radio Farda, Al-Dhabbaya. 0149 10/20. //web and strong.
 1580 **CANADA** CKDO, Oshawa, ON. 2207 10/20. Oldies, ID.
 1584 **CEUTA** Radiotele, Ceuta. 2230 10/19. Folk-style vocal music //web site.
SPAIN SER synchros. 2201 10/20. //1179 w/Spanish talk by a man, another station under **SPAIN** or **CEUTA UnID** 2300 10/18. 5+1 Time pips on TOH.
 1590 **USA** WHGT, Maughansville, MD. 2200 10/20. TOH ID.
USA WAKR, Akron, OH. 0200 10/17. TOH ID.
 1593 **ROMANIA** SRR Radio România Actualitati, Ion Corvin. 0155 10/17. Romanian choral anthem – per Mauno Ritola on RealDX this is standard at this time.
ROMANIA Radio Cluj, Oradea. 0247 10/17. S/on with 1 kHz tone, anthem.
ROMANIA Radio Cluj, Sibiu. 0247 10/17. S/on with 1 kHz tone, anthem – 2nd carrier w/tone at same time.
UnID 2230 10/18. Middle eastern or eastern European song into Jackie Wilson's "Higher and Higher" – Romania or France?
 1602 **SPAIN** SER synchros. 0000 10/18. Time pips @ 0000, into news, //1044.
 1610 **USA** WPFJ882, Ocean City, MD. 1646 10/18. TIS – loop announcement.
CANADA CHHA, Toronto, ON. 2335 10/16. Spanish talk.
CANADA CHRN, Montreal, QC. 0900 10/17. Indian music under CHHA.
 1620 **USA** WQAL487, Manasquan, NJ. 1656 10/18. TIS – NOAA weather.
USA WPTU717, Ocean City, NJ. 1648 10/18. TIS – NOAA weather.
CUBA CM--, Radio Rebelde synchros. 0000 10/17. Rebelde sounder.
 1630 **USA** KCJJ, Iowa City, IA. 0900 10/17. Mighty 16-30 ID.
USA WPVT502, Avalon, NJ. 1657 10/18. TIS – NOAA weather.
 1640 **USA** WSJP, Sussex, WI. 0000 10/17. TOH ID.
 1670 **USA** WQSZ859, Tuckerton, NJ. 1715 10/18. TIS – NOAA weather.
CANADA CJEU, Gatineau, QC. 2334 10/16. French pop.
 1680 **USA** WPRR, Ada, MI. 2238 10/18. Political talk.
 1690 **USA** WPTX, Lexington Park, MD. 2203 10/20. ID.
CANADA CHTO, Toronto, ON. 2255 10/18. Greek music, talk.
CANADA CJLO, Montreal, QC. 2333 10/16. ID.
 1699.727 **USA** Lubavitcher Radio, New York City, NY. 2231 10/16. Back again, offset frequency was reported in World of Radio and HFUnderground earlier in October.
 1700 **USA** WEUP, Huntsville, AL. 2332 10/16. Gospel, ID.
USA WJCC, Miami Springs, FL. 2255 10/16. French talk.
USA KKLK, Richardson, TX. 0300 10/17. Spanish, TOH ID.
 1710 **USA** WQFG689, Jersey City, NJ. 2236 10/17. Hudson County TIS announcing testing due to technical problems.
 1713 **NORWAY** LGV, Vardo Radio, Vardo. 2305 10/18. Weather read by man in English, USB.
 1722 **SVALBARD** LJB, Bodo Radio, Bjorneya. 2304 10/18. Weather read by man in English, USB.
 1728 **NORWAY** LGN, Rogaland Radio, Marøy. 0234 10/17. ID as "Norwegian Coastal Radio South" by man in English w/Norwegian accent, weather forecasts in English, USB.
 1731 **SVALBARD** LGS, Bodo Radio, Kapp Linne. 2303 10/16. Weather forecasts by a woman in English, started with "All stations, all stations...", USB.
 1734 **DENMARK** OXZ, Lyngby Radio, Blåvand. 2139 10/16. Weather forecasts by woman and man in pres English, USB.
 1746 **IRELAND** EJK, Valentia Coastguard Radio, Valentia. 0233 10/16. Weather read by man in English, USB.
 1752 **IRELAND** EJK, Valentia Coastguard Radio, Valentia. 2236 10/16. Weather forecasts by man in English, USB.
 1758 **DENMARK** OXZ, Lyngby Radio, Frederikshavn. 2140 10/16. Weather forecasts by man in English, USB.
 1782 **NORWAY** LGL, Floro Radio, Orlandet. 2315 10/16. Weather read by a man in English, USB.
 1785 **NORWAY** LGZ, Rogaland Radio, Farsund. 2317 10/20. Weather read by a man in English, USB.

Latest DXpedition from Masset BC 27 December 2018 to 2 January 2019

Well, another DXpedition under the belt to my favourite DX cottage off the north coast of British Columbia, Canada. Conditions for the most part were very good, although I think I just caught the tail end of the superb TA conditions. If only I could have been up in Masset a day or two sooner! Asian conditions were, as always, very nice with excellent openings to Japan, Korea and China. Plus, some interesting Filipinos, especially a new one for me on 1611, a smattering of Australia including armchair 4KZ 531 Innisfail, and Bangladesh was back one morning with 693 until 1730 sign-off. This time of the year, the DX keeps on coming, with the TPs carrying on until the afternoon hours, locally. The Iranian buzzer on 1575 heard frequently in Victoria was a daily visitor, both in our mornings, and into the afternoons/early evenings, as was 1539 Asianet via the UAE. I've collected many GB of **Perseus** wav files to enjoy for years to come. There was plenty of time to experiment with antennas. I had a total of 5 to choose from: The best, as always, is my 750' WNW BoG. Then, the 2nd most used was the 500' due north over the Pole Beverage. My permanent ALA 100LN large diameter loop oriented NE/SW is a good reference antenna. I erected a permanent 65' x 35' FLG 100 corner fed loop antenna this time around, and swung the direction to the S overnight and to the north in the evenings with results perhaps about 75% as good as the Beverage/BoG. Finally, I toyed with a staggered // BoG and a phaser with occasional useful results. Not sure whether it was worth the effort, though! Besides the DX, there was always time for good food (thanks to my wife's family in Masset... fish, deer roast, pies, chili... yum!), and exercise with golf and the polar bear swim

on New Year's Day. And, of course the famous Wullenweber array at the Canadian Forces Station in Masset is the location of the pretty 9 hole golf course, giving superb views of the array from every angle! The latter is still functional, although remotely now via Ottawa ON. I've been told that the usage has increased owing to the antics of Vladimir Putin!

Now onto the really good stuff! Receivers were 2 Perseus SDRs only, each fed to its own laptop. Errors, as always, are my own, and I appreciate comments and corrections. Sometimes one gets a little bleary eyed in the early morning or late nights! 73 and the best of 2019 to all, **Walt Salmaniw**, Victoria.

- 153 **NORWAY** NRK, Ingoy, 100 kW. 0057 1/1 – Good reception tonight with all western music. Joined by both Icelandic frequencies at good levels (189 and 207), as well as 162 (OC), 198 BBC, 234 Luxembourg and 252 RTE. Into news at 0100, clearly Norwegian. Probably the best LW propagation I've heard on this trip, but not translating to anything in the MW band.
- t **ROMANIA** Brasov Bod 200 kW ND Antena Satelor vs more likely NRK Norway. 1431 12/29 – Something totally unexpected, but weak audio heard on the over the Pole Beverage. Makes sense as the Grayline for transmitter LSS is over Romania now. Too weak to make out any content, though. Improved and just about readable at 1500. Will be interesting whether other LW from Europe will be audible as sunset goes across Western Europe! Much better on recheck at 1559 with an English song. No time pips at TOH, but into presumed news, first by a woman, and then man. Still no other LW audible this morning. Later in our local evening (0057 12/30), reception again at fair to good level. ***Now I'm confused. This might in fact be NRK according to MW List with 100 kW in Ingoy. I had thought they had left the air on LW and MW long ago??? So could very well be Norway and not Romania?? Grayline passed through Norway at the same time. Have to admit, the intonation sounds more Norwegian than Romanian. At same time (0100 12/30), besides 189, I'm also hearing 252 weakly (sounding more English than Arabic), but no one else from Europe on LW.
- 189 **ICELAND** Gufuskalar 300 kW Rikisutvarpid Ras. 0548 12/29 – Compared to last night, tonight is practically a write-off, except for Iceland. Yesterday, the LW band was extremely noisy, but with the steady drizzle today, the presumed salt spray build up on the power lines have washed away, leaving Iceland to be heard at good level. // rarely heard 207 also quite strong (but in the middle of beacons). Going out for dinner, I left the recorder going and a very interesting thing happened. The signal died away, but at 0437, it suddenly increased in strength to near armchair level. Next day at 0055 12/30, again very nice reception on the North Beverage (with added 5 ground radials for what they're worth!).
- 207 **ICELAND** Gufuskalar 100 kW Rikisutvarpid Ras. 0551 12/29 – Rarely heard, indeed, and almost as strong as 198. Surrounded, though, by strong beacons make this one a challenge.
- 531 **ALGERIA** Jil FM, F'Kirina, 600/300 kW. 0137 12/28 – Often outstanding reception with Arabic music. 549 is a difficult channel here to check for //. Lower frequencies have a bit of power line noise here in Masset.
- t **AUSTRALIA** 6DL, Dalwallinu, W Australia, 10 kW, ABC Midwest and Wheatbelt. 1500 12/30 – While listening to this channel before the TOH, I could hear some English being spoken under the dominant NHK 1 program. At 1500, there was the ABC Fanfare, so does this mean that it must be 6DL? Occasionally rises over NHK briefly.
- AUSTRALIA** 4KZ, Innisfail, Queensland, 5 kW. 1558 12/30 – Commercial ads now in English and no sign of NHK1. Ads for tackle and bait, and motorcycles and more. No ABC fanfare at TOH this hour, so not ABC. Time pips likely NHK1's. Very good level by 1603 with news by woman. 'Live on the internet, 4KZ.AU' at 1603:30. Perfect! I had thought of checking //5055 and a minute ago, I did so, and though weak on the SW frequency, still same female voice. Marine weather after 1604. TC for '5 after 3'.
- UnID** 1434 1/2 – Who's the EZL music station heard co-channel to JOQG Morioka, the dominant channel here? Confirmed not 4KZ and style doesn't match Avtoradio Sakhalin (if they're still on the air). NHK sometimes fades down to reveal others co-channel. I happened to tune back just after 1602 and there was a national anthem in progress. Possibly a Filipino? Will need to go back and go over the Perseus wav file.
- 540 **JAPAN** Yamagata 5 kW + others, NHK1. 1751 12/31 – It's all NHK 1 all the time, on every channel! Japanese opera like singing, heard on 531, 540, 549, 567, 576, 585, 594, 603 (under Korea), and 612, and that's just on the lower channels! On 540, there are 6 transmitters, so it could be any of them, with 1 or 5 kW. A shame NHK1 doesn't ID as conveniently as the NHK 2 network.
- 567 **JAPAN** JOIK, Sapporo, Hokkaido, 100 kW. 1712 12/28 – Huge signal totally in the clear with blues music. Co-channels weakly audible as well. Clearly a nice post LSR enhancement to Japan. Just when I was planning on heading back for breakfast! // to other NHK1 outlets, such as 594 and others in the vicinity, but none as strong as Sapporo!
- JAPAN** JOAK, Tokyo, NHK1, 300 kW. 1401 12/29 – For second day, besides the ever dominant JOAK, there's a co-channel. At this time, they're playing Elvis Presley's 'Heartbreak Hotel'. This is different from the usual up here. I assumed this was the Filipino, DZBB. We'll see (and I see PAL lists off on Sundays from 1600 which will be useful).
- PHILIPPINES** DZBB, Super Radyo, Quezon City, 20 kW. 1733 12/28 – Predominantly JOAK Tokyo with an American Jazz program, but every once in a while, another station fades up and dominates to good level. Quite certain it's DZBB, as it fits the Super Radyo format. Not in English, but presumed Tagalog. Would be nice if it was one of the other exotics on channel like Burma or Jakarta!
- 675 **VIETNAM** Dai Tieng noi Viet Nam (Voice of Vietnam 1), My Van, 700 kW. 1452 12/28 – Armchair copy at times in the lovely sing song Vietnamese language. Did fade down significantly before returning. Tells me there are interesting things happening in the ionosphere. Of course they faded down before the TOH, only to return strongly at 1501. Gone are the days of strident, North Korean like presentation!
- 684 **JAPAN** JOAG, Nagasaki, 5 kW, and others. 1731 1/1 – I'm hoping to find India on this frequency (has been heard in past), and there were tantalizing traces of Indian sounding music. Nonetheless, the NHK1 network is playing classical music this morning which is easy to follow. Just before 1730, I quickly checked and noted the same program on 531, 540, 549, 567, 576, 585, 594, 603, 612, 621, 648, 666, 675, 684, 729, 756, 819, 837, 846, 891, 945, 963 and, then I ran out of steam!!! On 684, though, the dominant is IBC with the main transmitter being JODF in Morioka with 5 kW, and 3 other translators of 0.1 and 1 kW. Way over the NHK1 sender.
- 693 **BANGLADESH** Bangladesh Betar, Dhaka, 1000 kW. 1644 1/1 – Very good reception in Bangla with many mentions of Bangladesh. It's been a while since hearing this one, and I'm most pleased! Best heard on the north Beverage. Did fade down some. But returned a number of times at good level! Checked in just before 1730, and indeed, they seemed to go off without any announcements. Just some music.
- UnID** 1459 1/1 – Another interesting channel once JOAB signs off from Tokyo with 500 kW leaving an OC. Once again a mish mash of signals. Up to the TOH, EZL music sounded religious in nature. Perhaps a Filipino, but of course, the TOH fanfare splatter from 690 destroys any chance for an ID. Many signals measured on the zoom function: 692.987 (very weak), 692.998, 693.000 (likely JOAB), 693.002, 693.003, and 693.004.
- 702 **DPR KOREA** KCBS, Chongjin, 50 kW. 1734 12/31 – Huge buzzy OC, with Australia 2BL ABC Sydney clearly heard underneath. 100 Hz tones visible above and below (9 are visible on the waterfall). Also a het on 703.0.
- 747 **JAPAN** JOIB, Sapporo, Hokkaido, 500 kW. 0511 1/2 – Pretty rare to report audio at this early hour, as Sapporo is still almost 2 hours from LSS. English lesson at fair to good level, mostly problematic due to very loud 750 splatter (KFQD Anchorage with S9 + 50 signal... ouch!!!! No way to phaser them out!). Instead, easier to tune to 702 JOKD which is much as strong (despite 10 kW) and more in the clear. Kitami is at the northern end of Hokkaido, so closest to LSS. Rechecked 702 at 0546, very strong with now Spanish language lesson. S9+25!
- 774t **CHINA** Hubei RGD, Wuhan, 200 kW. 1445 1/1 – Another morning that NHK2 network signed off at 1440. Of course JOUB from Akita with 500 kW dominates totally, then leaves the OC on. There are numerous stations on the waterfall, all about equal strength, so a mish mash of speakers. I measure 6 frequencies: 773.977 (very weak), .996, 774.000 (presumably Akita), .007, .026, and very weakly .051. Akin to listening to 1610 TIS frequency. A lot of speakers all at once without anyone being strong enough to dominate. Chinese music is heard at 1454, so one of their transmitters, perhaps Hubei RGD (200 kW listed on one sender from them). No hint of DU activity yet. Music improved towards the TOH.
- JAPAN** JOUB, Akita, 500 kW. 1440 12/31 – I was happily listening to their English lesson, when they suddenly pulled the plug and went into their sign off routine (after JOUB ID). Normally at the end of their language lessons, they say, 'Goodbye', etc. Very good.
- 803.66 **DPR KOREA** Pyongyang Bangsong, Hwadae, 500 kW. 1749 12/28 – Buzzy, highly variable carrier with Korean vocals, typical of North Korea. Constantly drifting several hundred Hz. Seems //3320. Down to 803.3 at 1752 and heading back up. Nominal 801 has someone there, but under a strong, seemingly unmodulated carrier with a bit of a buzz, too. Same Pyongyang transmitter?
- 803.81 **DPR KOREA** Pyongyang Bangsong, Hwadae, 500 kW. 1739 12/31 – Buzzy, drifting, almost FM like signal continues here today with typical North Korean strident vocals. Drifted up to 804.31 by 1745. //3320.
- 810p **CHINA** Zhejiang RGD, Hangzhou, 200 kW. 1800 12/31 – A presumed logging, with what sounds like a TV feed. PAL lists many transmitters with Hangzhou strongest, but with others between 1 and 10 kW. No echos heard, though. South Korean jammer comes up every once in a while. Mostly very good reception. Was looking for AFN, but no joy.
- 828 **JAPAN** JOBB, Osaka, 300 kW. 1531 12/30 – One never knows for sure when the NHK2 network signs off. Since arriving several days ago, it seems they signed off at 1440, but today when tuned in at 1531, they were already into their xylophone portion of the sign off, so presumably 1530 today. Very good reception.
- 840 **CANADA** CFCW, Camrose, AB, 50/40 kW. 2352 12/31 – C&W music, of course mixing with several other co-channels. The strongest is the Albertan.

- 850 **ALASKA** KICY, Nome, 50 kW. 0440 12/31 – Good reception with detailed weather report. I log this one since conditions are more southerly tonight. I have a number of antennas to choose from individually: ALA 100 LN to NE/SW, North Beverage, NW BoG and a second shorter BoG parallel to the first, unterminated about 2 to 3' from the main BoG, and S/SW directed corner fed to FLG 100LN loop. None of these on their own could hear KICY, but phasing the 2 BoGs, I'm able to hear clear copy. Nice!
- 1116 **AUSTRALIA** 4BC, Brisbane, 17/6.3 kW. 1625 12/28 – Nice ID at 1626, and best heard on the ALA 100 aimed SW/NE. Good reception, but not super strong.
- 1170 **ALASKA** KJNP, North Pole, 50 kW. 1437 12/28 – Drawn to the American National Anthem followed by full legal ID including translators throughout Alaska (starting with Barrow) at good level, with only slight otherwise domestic co-channel, and no sign of Korea, which is the usual dominant.
- 1188 **JAPAN** JOKP, Kitami Hokkaido, 10 kW. 0547 1/1 – Despite there being over an hour to LSS at transmitter site, we were already hearing NHK1 Kitami at pretty decent levels. Precious little activity to the south tonight, it seems. Another Hokkaido station on 1287 HOHR in Sapporo also in, as is JOIB Sapporo on 747. Nothing very strong tonight, however. Interesting, I didn't think that Christmas Is was even on tonight on 846, but using the phaser, I was able to see the waterfall, phasing the 2 // staggered BoGs.
- 1260 **CANADA** CFRN, Edmonton, 50 kW. 2110 12/31 – Driving into town (about a 10 minute drive), of course I checked the AM band on the Nissan Frontier truck radio. The upper band especially was alive with signals every 10 kHz, but alas no hets indicating TA signals. One of the strongest was from Edmonton, a good distance away, but about a similar latitude in Alberta. ID for TSN. Excellent, of course.
- 1305.093 **IRAN** IRIB Radio Bushehr, Bushehr, 50 kW. 0237 12/28 – Clearly off channel, with Middle Eastern chants, dominating the channel. Het from on-channel station(s), likely Spain, although here, I also see 2 channels, on 1305.003 (stronger) and 1304.998 (now about equal). Overall is an unpleasant hum. Weak modulation all around.
- 1440t **SAUDI ARABIA** Radio Riyadh, Ras al-Khair, 1600 kW SBC. 1621 12/31 – I'm thinking this is the Saudi on this busy channel. Music sure would match. Was over the Japanese and domestics for a while, but never any voice, so tentative only.
- UnIDs** 1514 1/1 – 1440 is another challenging frequency. I'd love to hear one of the two AFN Korea stations on this frequency, but it's an uphill battle. Besides domestics, JOWF is the ever dominant force with 50 kW from Sapporo. Mauno Ritola on FB kindly provided the information for the AFN stations, as there's been some changes. Camp Humphreys in Pyongtaek with 5 kW is measured on 1440.012. No one like that here today, while Camp Carroll in Waeguan is also 5 kW on 1439.989 which I DO see this morning. Here are the readouts on the waterfall: 1439.989 (quite strong), .991, .993 (strong), .996 (strong), .997 (strong), .998, 1440.000 (strongest, so maybe STV), and 1440.008. One day, perhaps, AFN will sneak through! An internet feed (if I had internet) would be very helpful!
- 1467.385 **IRAN** IRIB Radio Qom, Qom, 100 kW. 1616 12/31 – To prove that Asian signals are possible in our mornings, I'm getting a good het on this off channel, which is highly likely to be Iran. Another station on fundamental, but not that strong. Het is heard only on the north Beverage. Also the on-channel frequency also best heard on the north Beverage. ? Saudi.
- 1485 **UnID** 0012 12/21 – Wonder who's here playing an English language ballad. Only low powered stations listed in MWList. Strongest is 10 kW (Spain, Egypt, Ethiopia, and Iran). I'm guessing most likely Spain. So far, Iran on 1575 is by far the loudest.
- UnID** 0047 1/2 – One of the few frequencies with some audio tonight. 1485 is pretty much a graveyard channel. Nothing very powerful. Certainly from Europe/Africa/Central Asia at this time, but who. Had an Arabic hint to the music, but too weak to be sure, yet. I suspect it may be present on other nights monitored, so a frequency to watch for sure, as most powers are all 10 kW or less.
- 1494 **TAIWAN** BEE32, Taizhong and Wanhua 10 kW, Educational Broadcasting System. 1624 1/1 - UnID is solved! Everything falls into place now. I'm hearing French at good level over Japan. ?French... that's most unusual. Digging into PAL further, it's now obviously BEE32, which lists 2 transmitters (hence the echo) with BBCWS from 15 to 16 (what I heard earlier), and now RFI in French from 16 to 17. Solved!
- UnID** 1537 1/1 – An English speaker here! Up to a minute ago, the RSK network dominates (JOYR Okayama has 10 kW, and JOTL HBC from Nayoro Hokkaido has 1 kW plus relays), but then a slightly DU accented woman began to dominate in English, before the Japanese speakers returned. There is the Kiwi station in Hamilton with 3 kW (Star) which would match their tone, and another in Timaru (Radio Sport) at 2.5 kW, and 2AY Albury NSW with 2 kW. Even V6AI in Colonia Yap FSM, with 10 kW would not be excluded. Then there are the Filipinos. Doesn't sound like a Filipino, though. What troubles me is the presence of occasional echoing. Why from the English speaker? At 1545, they faded up again, and sounds like talk about suicide. Possibly heard BBC WS ID at ToH. I'm leaning towards NZ on this one, but a real challenge. ***Solved!**** See above 1494 entry!
- 1539 **UNITED ARAB EMIRATES** Asianet Radio, Al-Dhabbaya, 600 kW. 0132 12/28 – Very powerful signal, easily overpowering domestics on 1540. Indian sounding music. Heard very well hours ago, too, today, in the middle of our afternoon. S9 + 10 signal.
- +2356 12/30 – Presumed audio from them, at least briefly. At this time, also seeing activity on 1593, 1566, 1557, 1539, 1503 (Koran recitation it sounds like at 2359, so presumably Egypt). 1485, 1467.43 (presumably IRIB), and 1467, 1458, 1422, 1413 (good audio, Radio Vesti), 1341, 1278, 1269, surprisingly 1215 only a weak carrier so far, 1161, 1098, and 531. Also and LW are 198, and especially 189 with good audio, and 153. Interesting that the opening is mostly upper half of the band so far. Earlier 531 was coming in with pretty decent audio.
- +1610 12/31 – Good reception, especially on the North Beverage. Switched here when I noted the loud Iranian buzzer again on 1575. Very good at 1629 recheck with Indian type music. Totally dominating the channel and it's still 45 min or so until my LSR.
- +1607 1/1 – Clearly them at good level with Indian type music, but faded down to a jumble, likely China (not CNR1).
- 1548 **AUSTRALIA** 4QD, Emerald, Queensland, 50 kW, ABC Central Queensland. 1725 12/28 – The post dawn enhancement continues with a general enhancement to China, Korea, and now strong to 4QD, Australia, but only briefly, as they faded down soon after, but came back again a minute later. An interesting ionosphere today, indeed!
- KUWAIT** Radio Sawa, Al-Kuwayt/Umm al-Rimam, 300/600 kW. 2003 12/31 – Almost certainly them. A difficult channel 24/7 due to a lower mainland very powerful 1550 transmitter, so always a lot of splatter to contend with, but style fits Sawa. Fair during fade ups.
- 1557 **TAIWAN** Music Interactive Network, Kouhu, 300 kW directional. 1612 1/1 – I've been watching 1557 because of a rumbly noise in the background, and wide tracing on the waterfall. Multiple equally spaced lines are visible on both sides of 1557. Presumably Taiwan with good level of Chinese speaking. Pretty sure I heard 'Taiwan' at 1615 and into fanfare and something 'official' sounding. Does not sound at all like a music channel. Clearly a sick transmitter (more like a North Korean!), with buzzy audio with music when rechecked at 1738. Strong signal, otherwise.
- 1575 **IRAN** jammer, Abadan, 800 kW. 0221 12/28 – Have been hearing the buzzer all afternoon, and it continues unabated, but at 0223, presumed Radio Farda came to dominate for a few seconds with 'Smooth Operator'. S9 + 10 signal.
- +1629 12/28 – Easily heard, best on the North Beverage, as one would expect. Co-channel to VoA Thailand. Interesting that I don't hear AFN today, as usually is the case when the jammer can be heard. Strong at times. I take that back. No AFN on the North Beverage, but there equal to VoA on the NW BoG (and the jammer barely heard).
- +2351 12/30 – Nothing like my first afternoon and evening here, yet, there are some signs of life for TA activity. A number of stations are being received including the loud Iranian buzzer jammer. Let's see whether anything will come to pass! Fingers crossed. I just erected a North directed corner fed loop (with FLG 100) and it's performing as well as my 500' Beverage. I can switch it around quite easily to make a southerly loop for tomorrow morning, if conditions permit.
- JAPAN** AFN network. 1542 12/30 – AFN is coming in well at this time with American pop music. Also very strong is the Iranian Jammer, especially so with my over the Pole Beverage. I taped the next 2 hours, and have listened to them later in the day. At 1826, the signal improved to very good level, just in time for a perfect local ID, with the Misawa Radio Report. Mentioned building 106, then into Air Force Radio news, and back to Eagle music programming.
- +1707 12/30 – 3 transmitters here, and I have heard all 3 with sometimes different programs. Today, I'm only hearing one feed spread out between 1574.999 to 1575.002, and another weaker channel on 1574.993, and possibly another weaker 'smudge' on 1574.998. Good reception of the mostly music program after Fox sports. S9+15 signal shows what's available here in Masset! As for the Iranian jammer, no sign of them now. ID at 1711 as, 'If you want oldies, see your grandma. Serving America's best, The Eagle'. PSA at 1714:30 (pick up after your pet). Local ad for a pick up service after a night of drinking. Should be able to track down which transmitter, here, although it's normally Misawa.
- UNITED ARAB EMIRATES** Radio Farda, Al-Dhabbaya, 800 kW. 0033 1/2 – Ever present jammer nice and loud tonight, but so is the audible programming from Radio Farda. Not much else at this time besides weak audio on 1215. One question about 1575: Just before heading out for some golf this afternoon, I quickly tuned 1575, and there they were in English! No time to check for details, but this should have been long past AFN fading out (and it wasn't their style at all). Does Farda have any English, including lessons? I did start the Perseus recorder, so can go back to check! Not sure whether anything will develop tonight. As so often is the case, the late afternoon looks promising, only to fizzle later. Certainly LW is poor tonight compared to last night. Notice that 1539 is at good level at 0038 with typical Asianet programming, too. Had the chance to trial a 30 to 35' height x 45 foot horizontal corner fed to FLG 100 loop aimed virtually N/S and reversible. In general, the loop performed well. I'd say about 75% as good as the 500' Beverage. For space limitations, it's a winner. I will likely leave that one up, as it's close to the shack and simple to maintain. I also have a DKAZ here, but not erected this time, so cannot compare it with the loop. The loop is much better than a simple ALA 100, although the latter is a lovely all round antenna for LW to SW. Not so much for heavy duty DXing. I even experimented with ground loops according to directions provided by Nick Hall-Patch (from a ham publication). I used a square 30' a side (double the size of the article). While better than nothing, it was the weakest of all of my antennas. It most definitely needed the FLG 100 for a boost. Deaf otherwise. I don't think I'll bother with it in the future. Bottom line, the Beverage/BoG still wins hands-down on Haida Gwaii!

- 1590 **USA** KTIL, Netarts, OR, 5 kW. 2337 12/31 – Amazing that way up north, driving in my truck to town, I pick up 1520 from the Oregon coast at armchair level! Don't think I ever hear them in Victoria. Oldies format. Of course no issue at the shack here, although there are others here as well, depending on the antenna choice.
- 1611t **AUSTRALIA** Vision Radio Network. 1422 12/28 - Very nice reception this morning and in fact, likely the best I've ever heard them. Super 8 Grocery ad at 1426. Several others in succession. 'World Class Quality'. Numerous carriers noted, so it's difficult to be sure who this one belongs to: 1610.940, .984, .996, 1611.000, .011, .015 and .023. The on-channel station sounds best. Most likely Vision Radio Network, as there's a Christian song at 1431. Several sites are listed: Sydney, Tarnworth, Melbourne, Margaret River, Grafton, Chiltern, and Adelaide. All with 400 watts. Deep fades at times, only to come back to good level (pretty common in the X-band). Rechecking at 1544, they're not in English anymore. UnID language, so now I'm not so sure who this is. Did hear 'Jerusalem', so likely a religious program. Rete Italia/Niche Radio does list other languages, so perhaps them? See Philippines below!
- PHILIPPINES** DWNX, Naga City, Radyo Mo Nationwide RMN, 1 kW. 1543 12/28 - Almost certainly them, after all, as they IDed. 'Nationwide' clearly heard. Sounds like sign-off announcements at 1550. Phone numbers given. 'Ladies and Gentlemen, the Philippines National Anthem' at 1551:30, so I suspect that it was them all along! A new one for my logbook! Very nice reception on 12/31 as well, with 'Radio Mo' jingle at 1543. 1558, 'Happy New Year', and then into a New Year song. Often a very good level, but when fades a bit, a lot of 1620 splatter. Lots of mentions of RMN (the network = Radyo Mo Nationwide).
- +1704 12/31 – Excellent reception with almost armchair copy with continuous music. Presumably on late for New Year's. A bit of splatter from 1620 only. Sounds a lot like the Dutch hobby pirates, with similar music, and few IDs! Caught them just as they were signing off before 1722. With a prayer, 'help us to live in peace with one another as brothers', then suddenly off. Rechecking at 1951, and they (presumably them) back on the air at fair +(at times) level. Same 1620 splatter as always. PAL lists them from 2000 to 1500, so either holiday hours or outdated information.
- 1656 **AUSTRALIA** UnID 1730 12/28 – Pretty decent audio at times, but not fitting with Hindi (Radio Rhythm, Melbourne), nor Voice of the Australian Chinese (Brisbane and Sydney). ? 2ME, but they're in Arabic, with an emphasis on Hit songs, so who knows. Latter listed in Perth, though.
- 1663.5 **JAPAN** Tahara, Aichi prefecture Isewan Martis. 1649 12/28 – Not often (ever?) reported, but fair reception of this maritime station. Shared with Nagoya, Osaka, and Tokyo, but matches this time. Some noise from 1665. In Japanese. Heard better notching 1665 and opening up the bandwidth a tad.
- 1860 **USA** WA0RCR, Wentzville, MO. 0405 12/30 – Good reception with Gateway 160 meter program. IDed and into a repeat of a net from December 19th (I think). WOR is scheduled tomorrow night. WOR heard at another time, though: 0517 in mid report at good level UT Sunday. Nice to hear Glenn actually on the radio, instead of just downloading his program!



DX FORUM – Richard C Evans – 3908 Grand Oak Ave Apt 4 – Indianapolis IN 46237
Email: REvans5435@yahoo.com **DEADLINES: Saturdays**

Deadlines: 1/14, 1/21, 1/28, 2/4, 2/11, 2/18 and 3/4 (Anniversary Issue)

Glenn Hauser, PO Box 1684, Enid OK 73702 wghauser@yahoo.com

Greetings. All times and dates strictly UT. Receiver: mostly DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; Nissan stock caradio as specified; or IC-R75 with E-W longwire.

570, Jan 1 at 0707, 'Coast to Coast AM' with very good dominant signal. Just missed any local break. My closest regulars KLIF Dallas and WNAX Yankton (both day and night) are both C2CAM affiliates, and neither has a night pattern pushing so much signal this way, but more likely than several others carrying that program further east or west. Las Cruces might be on ND day power, but supposedly OLDies format.

570, Jan 2 at 0634, South Dakota PSA, so WNAX Yankton even on the E-W longwire rather than KLIF Dallas; 0635 back to music interlude on C2CAM, now //580 WIBW et al, et al. WNAX fades into some CCI, so maybe it really is on their night pattern.

680, Jan 2 at 0637, weather on "680 CJOB", vs IBOC noise from 670 WSCR unless I tune 680 to LSB (yes, not USB, since the IBOC peak is about 13 kHz away from sources). Plug some free app "Radioplayer Canada" to get lots of stations without a radio! Back to talk show "live across Canada". This is probably my second-often Winnipegger after CBW 990, 50/50 kW U1, which is audible any night except when auroraed out. CJOB 50/50 kW U4 night pattern has a tiny tail to the south and day pattern is totally north, so unseems on either of them now.

Todd Skaine, MN, replies: "This tail extends pretty far south. CJOB is a semi-regular in the winter months here during the day. CJOB also has been cheating as well with using their day facilities at night."

930, Jan 6 at 0708, WKY OKC Spanish ESPN-D is getting overtaken by some C&W music, on my E-W antenna almost perpendicular to OKC, fades just in time for ID(?). Not too many C&W format possibilities in NRC AM Log: KAFF AZ, KRKY CO both of which would need to be on 5 kW day power; likewise WSEV TN. Or the two Canadians, CFBC NB, CJYQ NL.

Trans-Atlantic JBA MW carrier search, Jan 2 at 0641-0656. Usually I tune 1 kHz below on USB in 9-kHz steps to detect those 1 kHz hets, but this time I do it 1 kHz above on LSB, which might turn up some different close-in carriers. I happen to start at 693, downward and then back up but here rearranged into order: 531, 549, 558(2), 576, 585, 603, 612, 621, 639, 648, 666, 693, 729, 747, 774(2), 837, 855, 882, 909, 936, 1044, 1089, 1098, 1107(2), 1116, 1125(2), 1134, 1143(2), 1152(2), 1179(2), 1215(2), 1224, 1233, 1305(2 ~5 Hz apart), 1314, 1359, 1422, 1485(2), 1503 and 1575.

For 1305, mw-offset list shows most likely RNE Radio 5, Spain, with one transmitter 5 Hz low and a couple close to nominal: 1304.9950 E RNE Radio 5 (Ourense/Pereiro (RNE)) 24h 2015-10-12 1304.9999 E RNE Radio 5 (Bilbao/Santo Domingo (RNE5)) 24h 2018-02-16 1305.000 E RNE Radio 5 (Ciudad Real/Almagro (RNE)) 24h 2011-05-23. There are also some less likely synchros, Premier Christian Radio, UK.

In addition I had some odd hits at 0646, approximately: 944.055, and shortly 1054.19, ie ~1 kHz off the band plan, where no stations are known, so presumably somethings receiver-internal or local devices; or real spurs?

Until the next, best of DX and 73 de Glenn



SPORTCHANNELS IRCA – Compiled by: Eric Bueneman (NØUIH)
Email: n0uiheric@gmail.com

Welcome to another edition of SportChannels! Basketball season is under way, and we're now featuring the NBA network lists. The first division we'll be featuring network lists are from the Northwest Division of the Western Conference. Flagship stations are in **boldface** type, Spanish language flagships in **boldface italics**.

DENVER NUGGETS No play-by-play personnel information available, Web: www.nuggets.com

950 KKSE Parker, CO (selected games)

92.5 KKSE-FM Broomfield, CO

MINNESOTA TIMBERWOLVES Alan Horton, Web: www.timberwolves.com

AM	1230 KWNO Winona, MN	1450 KATE Albert Lea, MN	95.9 K240CJ Oakes, ND (3)
610 KDAL Duluth, MN	1240 WJON Saint Cloud, MN	1450 KBUN Bemidji, MN	96.3 K242CF Willmar, MN (4)
730 KWOA Worthington, MN	1260 KROX Crookston, MN	1460 KDMA Montevideo, MN	97.1 K246AM Jamestown, ND (5)
830 WCCO Minneapolis, MN	1270 KFAN Rochester, MN	1480 KKCCQ Fosston, MN	101.5 KFGI Crosby, MN
950 KWAT Watertown, SD	1310 KNOX Grand Forks, ND	1490 KOVC Valley City, ND	102.9 K275BB Roseau, MN (6)
970 WDAY Fargo, ND	1320 KOZY Grand Rapids, MN	1570 KVTK Vermillion, SD	103.3 K277AI Marshall, MN (7)
970 WDUL Superior, WI	1340 KDLM Detroit Lakes, MN	1600 KDAK Carrington, ND	104.5 KBUN-FM Blackduck, MN
1080 KYMN Northfield, MN	1340 KWLM Willmar, MN	FM	105.7 K289CE Grand Forks, ND (8)
1210 KOKK Huron, SD	1390 KXSS Waite Park, MN	93.1 K226CA Detroit Lakes, MN (1)	107.1 KMGK Glenwood, MN
1220 KDDR Oakes, ND	1400 KMHL Marshall, MN	94.3 KKIN-FM Aitkin, MN	
1230 KMRS Morris, MN	1400 KQDJ Jamestown, ND	94.9 K235BP Bemidji, MN (2)	
1230 KTRF Thief River Falls, MN	1410 KRWB Roseau, MN		

Relays: 1) KDLM 1340, 2) KBUN 1450, 3) KDDR 1220, 4) KWLM 1340, 5) KQDJ 1400, 6) KRWB 1410, 7) KMHL 1400, 8) KROX 1260

OKLAHOMA CITY THUNDER English: Matt Pinto, Spanish: Eleno Ornelas, Web: www.okcthunder.com

AM 640 KWPN Moore, OK 1380 KKRX Lawton, OK 1240 KADS Elk City, OK 1240 KVSO Ardmore, OK 1380 KKRX Lawton, OK 1390 KCRC Enid, OK 1450 KSIW Woodward, OK 1470 KGND Vinita, OK 1500 KPGM Pawhuska, OK 1550 KYAL Sapulpa, OK 1660 KWOD Kansas City, KS FM 96.1 KITO Vinita, OK 97.1 KYAL-FM Muskogee, OK 98.1 WWLS The Village, OK 99.1 K256CP Bartlesville, OK (1) 100.3 KJCM Snyder, OK 101.3 KMCO McAlester, OK 106.1 KKBI Broken Bow, OK 107.5 K298CR Ardmore, OK (2)

Relays: 1) KPGM 1500, 2) KVSO 1240. Note: * denotes the station only airs home games

PORTLAND TRAIL BLAZERS Brian Wheeler, Michael Holton, Bill Shonely, Web: www.trailblazers.com

620 KPOJ Portland, OR only

UTAH JAZZ David Locke, Ron Boone, Web: nba.com/jazz/

1280 KZNS Salt Lake City, UT

97.5 KZNS-FM Coalville, UT (simulcast)

That will wrap it up for the first edition of SportChannels in 2019! In the next edition, we'll list the stations carrying the play-by-play for the Southwest Division teams. 73 and play hard from the Florissant Valley Dial Twister.



GEOMAGNETIC INDICES – Compiled by: Phil Bytheway
Email: DXM.EiC@gmail.com

Geomagnetic Summary December 1 2018 through December 31 2018

Tabulated from WWV on-line status daily (K @ 0000 UTC). (<ftp://ftp.swpc.noaa.gov/pub/forecasts/wwv/>)

Date	Flux	A	K	Space Wx										
12/ 1	69	8	2	no storms	12/12	71	4	1	no storms	12/23	70	2	1	no storms
2	69	12	4	no storms	13	70	2	0	no storms	24	70	3	1	no storms
3	68	10	2	no storms	14	71	3	1	no storms	25	70	4	1	no storms
4	69	8	2	no storms	15	71	2	0	no storms	26	69	3	0	no storms
5	71	5	2	no storms	16	70	2	1	no storms	27	69	4	3	no storms
6	70	5	1	no storms	17	70	6	2	no storms	28	69	24	3	minor, G1
7	70	10	2	no storms	18	70	7	1	no storms	29	69	11	2	no storms
8	71	10	2	no storms	19	70	6	2	no storms	30	69	10	2	no storms
9	72	9	4	no storms	20	70	12	3	no storms	12/31	69	7	1	no storms
10	71	11	2	no storms	21	71	5	1	no storms					
12/11	71	7	2	no storms	12/22	71	3	1	no storms					

Gx – Geomagnetic Storm Level

Rx – Radio Blackouts Level

Sx – Solar Radiation Storm Level

IRCA Mexican Log, 21st Edition (Winter 2018)

The IRCA MEXICAN LOG lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The transmitter site index (listed by state, then city) tabulates the latitude and longitude of transmitter sites. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11".

Prices: IRCA/NRC members – \$7.00 (US), \$8.50 (Canada) \$12.00 (México), \$14.00 (rest of the world). Non-IRCA/NRC members – add \$1.00.

IRCA Slogans List (October 2018)

This completely revised Slogans List includes radio slogans from the US and Canada (over 4500). The 2018 IRCA Slogans List is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/IRCA%20Slogans-Introduction.pdf

For those preferring a hard copy, one can be ordered from the IRCA.

Prices: IRCA/NRC members – \$4.50 (US), \$5.50 (Canada) \$7.00 (México), \$7.50 (rest of the world). Non-IRCA members – add \$1.00.

To order from the IRCA, send the correct amount (in US funds payable to Phil Bytheway) to: IRCA, 9705 MARY NW, SEATTLE WA 98117-2334. Or, order through PayPal to Email: phil_tekno@yahoo.com (Phil Bytheway). Please state club affiliation when ordering.

THE INTERNATIONAL RADIO CLUB OF AMERICA
PO Box 60241, Lafayette LA 70596
<http://www.ircaonline.org>

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). DX Monitor, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from October through March, twice monthly from April to October.) DX Monitor contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists.



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MEMBERSHIP DUES

Worldwide \$5 (for the first year – ie joining fee)
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