



# DX MONITOR

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International Radio Club of America

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IRCA welcomes: **Don Neumeyer** in Madison WI!! DX and report often! No DXWW this time. Apparently, KKOH-780 Reno NV was off for testing on Sunday morning, and a test was arranged which only got eGroup publicity. If you heard tones/etc on 780 Sunday morning, it could have been KKOH. This is the **last weekly DXM**. Seattle deadline for our next issue (V57\_N26 – Anniversary issue!) is **Monday 03/02/20** 1600 PLT (two weeks) – pb

### 2020 Convention

The 2020 **IRCA/DecalcoMania** Convention will be held at the Four Points by Sheraton, 1221 S Harbor Blvd, Anaheim CA 92805. (North of Disneyland) September 10-12 2020. Phone number for reservations is 714-758-0900 (mention convention). Guest room rate is \$115 per night plus tax and includes all you can eat breakfast. Parking is \$10 per day. Registration fee (not including banquet) is \$25 payable to Mike Sanburn PO Box 1256, Bellflower CA 90707-1256. Activities will include station visits, IRCA business meeting and auction, and nightly fireworks show. Hotel amenities include free Wifi, 24 hour business center and 24 hour pool. Local eateries within walking distance are Starbucks Coffee, Taco Bell, and Shakeys Pizza. Cutoff date for room reservations will be August 20th. More details

will appear soon. For information contact **mikesanburn@hotmail.com**. Website for Anaheim visitor's information: **www.visitanaheim.org**. Here is the link for making reservation at Four Points **https://www.marriott.com/event-reservations/reservation-link.mi?id=1576099122178&key=GRP&app=resvlink**

Folks can send their registration fee via PayPal at **mikesanburn@hotmail.com** (please include name, contact info and note that it is for convention registration).

### WRTH 2020 B19 updates

A pdf of updates to the B19 schedules in the International section of WRTH 2020 is now available. Visit Updates and click the "International Updates" link to download the file from the WRTH store. If you haven't yet got your copy of WRTH 2020 you can buy one NOW using **this link (http://www.wrth.com/\_shop/?product=wrth-2020)**. Readers in North America can also order copies from Universal Radio (**https://www.universal-radio.com/catalog/books/2020.html**) or Amazon (**https://www.amazon.com/World-Radio-Handbook-2020-Broadcasting/dp/1999830024**). Please take a few minutes to give us your thoughts about WRTH on the 2020 Questionnaire (**https://app.surveymethods.com/EndUser.aspx?C4E08C94CC8F9790C2**). I hope you find the update useful. Best wishes, **Nicholas Hardyman** – Publisher



**IRCA ELECTIONS – Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6**  
Email: **nhp@iee.org**

### Nominations are Open for the TVA and RHA for 2019-2020

#### Ted Vasilopoulous Award (TVA)

Ted Vasilopoulous 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: **Mark Durenberger, Nancy Johnson, Phil Bytheway, John C Johnson, Gary DeBock and Eric Bueneman**.

#### 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: **Kenneth Hawkins, John C Johnson, Brandon Jordan and Mark Durenberger**.

All nominations, should be sent to the ECC, Nick Hall-Patch at **nhp@iee.org**

Please note that nominations need to include a brief statement supporting the nomination. Please also note that the Ric Heald Award is to recognize an IRCA member who most benefited the club in a particularly noteworthy way during the previous year, while the Ted Vasilopoulous Award recognizes a longer term contribution by someone who might also have benefited the larger DX hobby. All nominations must be received no later than March 1 2020.



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

**WDXR DEADLINES:** Thursday Feb. 27, March 12, March 26, April 9, April 23, May 7, May 21, June 4, June 18, July 9, Aug. 6. Please use Eastern Local Time.

### REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-9444 W Newport-Sun City AZ 85351 **desertmoon\_dxshack@inbox.com**  
Satellit 205/T.5000, RF-2200 – stock and R-1000 with longwire
- (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
- (NP) **Nigel Pimblett**-331 5<sup>th</sup> Street-Dunmore AB T1B 0J9 **nige2730@telus.net**  
DXing at Lamont, AB with Perseus SDR and DKaz antenna
- (MS) **Mike Sanburn**-PO Box 1256-Bellflower CA 90707-1256 **mikesanburn@hotmail.com**  
Sangean DT 160

- 540 CBK **SK**, Regina 2/11 alone on 540, no sign of usual XETX and XESURF, 0000 with mentions of "CBC Radio One, 102.5 FM and 540 AM" CBC Radio One promos, CBC news. First time heard. (JCJ-AZ)
- 550 KUZZ **CA**, Bakersfield 2/8 1000 numerous IDs, country song "I Can Fix a Drink." (MS-CA)
- 580 KRFE **TX**, Lubbock 2/13 0000 faded up, no sign of usual KSAZ, KUBC, KMJ, or WIBW with "...from 2 to 5 weekdays right here on AM 580 KRFE Lubbock" into news. New logging. (JCJ-AZ)
- CFRA **ON**, Ottawa 2/10 0258 ad for Senators contest, then ad for public sector union, message from Ottawa Humane Society. (NP-AB)
- 660 WFAN **NY**, New York 2/10 0257 ID under CFFR as "...Sports Radio 101.9 FM, Sports Radio 66... WFAN... New York." Also noted "The Fan" slogan at 0300. (NP-AB)

- 700 KALL **UT**, North Salt Lake City 2/8 1020 good post sunrise signal, mentions of Logan High School. (MS-CA)  
 730 KDBI **ID**, Boise 2/10 0054-0103 faded up to the SSW while CHMJ faded out almost completely. Spanish pop vocals with male announcer in Spanish mostly drowned out by CBX-740 slop. 2/12 0011:20 "La Grand D" IDs in male and female voices in short music break. Conquered the CBX-740 slop by detuning to 728 kHz. Even after CHMJ's 2016 transmitter fire, only CKDM was heard here at night, so assuming KDBI was on 15kw day power the last two nights. (JP-AB)  
 770 WABC **NY**, New York 2/9 0459 under dominant CHQR with ID "Talk Radio 77 WABC, and wabcradio.com." (NP-AB)  
 850 WQRM **MN**, Duluth 2/9 2144 ID as "You're listening to VCY America, serving the Great North, WQRM Duluth-Superior at AM 850 and 97.7 FM. (NP-AB)  
 910 KECR **CA**, El Cajon 2/8 1105 noted with Christian program for children. (MS-CA)  
 960 WFIR **VA**, Roanoke 2/10 0000 under KMA with call sign and mention of wfir.com web site. (NP-AB)  
 1050 KCAA **CA**, Loma Linda 2/9 0330 slogan "KC Country Junction." (MS-CA)  
 1070 WFNI **IN**, Indianapolis 3/10 0400 came through WT50 with call ID including mention of 107.5 & 1070 frequencies, also mention of WIBC-HD2. (NP-AB)  
 1170 KLOK **CA**, San Jose 2/8 1122 mostly dominant over KCBQ with lively Indian music and Radio Desi slogans. (MS-CA)  
 KFAQ **OK**, Tulsa 2/13 0708 lengthy weather report, reporting bitter cold temps in Midwest, pounding in with stronger than usual signal. (RB-AZ)  
 1260 KTRC **NM**, Santa Fe 2/13 0605 "Santa Fe's News-Talk Leader, KTRC." (RB-AZ)  
 1300 WOOD **MI**, Grand Rapids 2/10 0457 Coast to Coast AM program, ID as "From the Zeigler Maserati of Grandville studio, WOOD Grand Rapids, WOOD-FM Muskegon, the news is next on Wood Radio", then ads. ID at the hour as "This is west Michigan's breaking news, weather and traffic... Newsradio Wood 1300 and 106.9 FM." (NP-AB)  
 WGDJ **NY**, Rensselaer 2/10 2100 ID by a man as "This is WGDJ Rensselaer and W254DA... at 98.7", then ABC news. (NP-AB)  
 1380 KKRX **OK**, Lawton 2/12 good in KLPZ null 0800 with "KKRX Lawton" ID and "All your scores covered here, KKRX 1380" into CBS Sports. First time heard. (JCJ-AZ)  
 KHEY **TX**, El Paso 2/10 0530 sports talk, over/under CCI. Good on R-1000. (RB-AZ)  
 1390 WFBL **NY**, Syracuse 2/10 2200 just caught "Here on 1390 WFBL" a couple of seconds after the hour. (NP-AB)  
 1430 KMRB **CA**, San Gabriel 2/11 2350 Chinese traditional music, mixing and sometimes over KLO. (RB-AZ)  
 1480 WGVU **MI**, Kentwood 2/9 0501 ID "Real oldies WGVU AM Kentwood, WGVU AM Muskegon and WGVU-HD2... a service of Grand Valley State University." (NP-AB)

The weekly deadlines have ended for the season. The next WDXR deadline is Thursday February 27, for the Anniversary Issue! – Nancy 2/14 1700



**CENTRAL DX ROUNDUP – John C Johnson – 2922 S Olivewood – Mesa AZ 85212-2923**  
 Email: [John\\_Johnson@prodigy.net](mailto:John_Johnson@prodigy.net) CDXR reports ONLY: [cdxr@ircaonline.org](mailto:cdxr@ircaonline.org)

**RIDING GAIN**

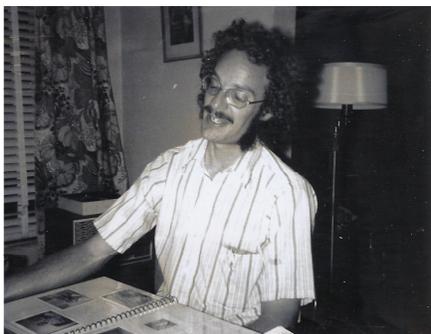
[EB-MO] **Eric Bueneman**, Hazelwood MO [N0UIHeric@gmail.com](mailto:N0UIHeric@gmail.com)  
 National NC-60 Special, Apex 303WA-2 LW/AM/SW vertical antenna, Yaesu FRG-7, Worcester Space Magnet II

**DOWN THE DIAL**

- 880 KRVN **NE**, Lexington. 2/11 fair to poor signal, mixing with WCBS; WIJR buried underneath. 0045 noted on day pattern with *The Clark Howard Show*, local and national spots, faded out from 0055 until Fox News Radio came on at 0100 into *The Jim Bohannon Show* at 0106. "The Great Plains depends on Eight-80 KRVN Lexington" legal ID at 0129. [EB-MO]  
 920 CFRY **MB**, Portage la Prairie. 2/7 fair signal over KARN and other stations. 0307 noted with Country format, "Real country, CFRY" ID. [EB-MO]  
 950 KKSE **CO**, Parker. 2/13 fair signal over WORD and other stations. 0217 noted with talk on the National Football League, Fox Sports Radio promos, mentions of the Fox Sports Radio YouTube channel and Fox Sports 1. [EB-MO]  
 1020 KMMQ **NE**, Plattsmouth. 2/9 fair to poor signal over KDKA. 0157 on day power/pattern with local spots in Spanish, missed the legal ID at 0200. [EB-MO]  
 1050 WEPN **NY**, New York. 2/9 fair to poor signal, mixing with CHUM, XEG. 0228 with "ESPN Ten-50" ID, local spots, *ESPN Sports Center Update*. [EB-MO]

**FLASHBACK**

**50 Years Ago – February 21 1970** issue of "DX Monitor" ... New member **Stephen Howe** of Great Neck NY said he was 15 and had logged 21 states ... New member **Gary Hamer** of Waterloo IA said he was 15 and had logged 32 states ... **Kevin L Slater** of Salem OR told of his visits to 4 Portland, Oregon stations ... **Reid Wheeler** of Aberdeen WA logged KMOX 1120 for state #26. // **25 Years Ago – February 19 1995** issue of "DX Monitor" ... **Tom Jasinski** of Shorewood IL had questions about the WPMR DX Test ... **Patrick Martin** of Seaside OR mentioned WDAB experimental station moved from Cincinnati to Chicago and was testing on 1660. // This week's **Flashback DXer** is... **Larry B Godwin**...



**OPEN MIKE**

Thanks to Eric we have a column this week. This is the last weekly 'DX Monitor' for this volume. The next issue is the IRCA Anniversary issue. CDXR deadline for the anniversary column is February 27. The Anniversary issue is when almost all members report to the columns especially the DX Forum column for introductions. A reminder for newer members; all times are Eastern; keep tips fresh (older than one month are deleted); if you are not sure which column to report to please ask (column boundaries are listed in the Bylaws). This column was typed 2-14-20. 73, John



**EASTERN DX ROUNDUP – Eric Bueneman (N0UIH) – 631 Coachway Lane – Hazelwood MO 63042-1347**  
 Email: [n0uiheric@gmail.com](mailto:n0uiheric@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**, London ON, Canada [paulisnider@yahoo.ca](mailto:paulisnider@yahoo.ca)  
 Elad FDM-S2 software-defined receiver, Wellbrook ALA1530LN loop, MFJ-1020C as a tuner

**ACROSS THE DIAL**

- 710 WEGG **NC**, Rose Hill – 2/8 2255 noted on after sunset with Country format featuring a tune by Dwight Yoakam, "Real Country Kix FM" ID at 2257 into another music set, missed the ID at 2300. A fair at first to very poor signal was noted, mixing with WOR; confirmed via Simple Radio Web stream. (PS-ON)

- 820 WVSG **OH**, Columbus – 2/7 1745 WWFD finally goes to night power; I'm hearing things other than head-splitting digital noise. "This is listener supported WVSG Columbus, Ohio; the home for Saint Gabriel Catholic Radio AM 820" legal ID by a male announcer. The signal was noted mixing with digital hash from WWFD and an unidentified talk station. (KK-VA)
- 910 WBZU **PA**, Scranton – 2/12 2229 noted with various ads, including one mentioning a phone number in Area Code 570, weather forecast with mention of 103.1 FM (WILK). A poor to very poor signal was noted mixing with WFDF and other stations. (PS-ON) (WILK-FM 103.1 is in Avoca PA – eb)
- 930 KKIN **MN**, Aitkin – 2/12 2250 noted with Oldies format; the online streams for WGAD, WHLM, WIZR, WNCL and WSEV did not match. Finally heard "This is AM 930, 103.1 FM..." mention at 2321 into a selection by Sam and Dave. No legal ID audible at 2400. As far as I can see in the NRC Log and other sources, this is the only station on 930 kHz that is also on 103.1 MHz. A fair at times to very poor signal was noted, mixing with WBEN and WRVC. This is probably on day power as I think 360 watts is a stretch to make it to London. (PS-ON)
- 1020 KCKN **NM**, Roswell – 2/8 2145 noted with Christian talk in Spanish by a male announcer alternating with an English translation by a female announcer; aid to Puerto Rico was also mentioned. A fair signal at first over KDKA fading to inaudible toward 2200. No legal ID heard; confirmed via Simple Radio Web stream. A new state heard in London. (PS-ON)

#### EDITOR'S NOTES

Thanks to Kraig and Paul for their logs this week. Congratulations to Paul for adding New Mexico to his logbook. I have two other NM stations in my log besides KCKN: KHAC 880 and KKIM 1000. 73 and good DX from NØUIH, the Florissant Valley Dial Twister.



**DXpeditions – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334**  
 Email: [DXM.EIC@gmail.com](mailto:DXM.EIC@gmail.com)

#### Sandy Neck Beach DX (Roy Barstow via IRCA eGroup)

01/15/20 – Sunset 2137 all w/antenna at 100°

2000

1179 **ROMANIA** and **SPAIN** mixing.

1188 **IRAN** weak w/music.

2030

720t **BOSTON PIRATE** with continuous music.

1071 **SAUDI ARABIA** Mideast music //1521 plus **EGYPT** at one point w/Arabic talk.

1143 **SPAIN** music to S 5 peak. //837.

2045

612 **MOROCCO** Arabic talk – S 4-5.

702.010p **ALGARIA** presume.

837 **SPAIN** + **ticking** not //to Cope and on LSB. No clicking on 837 found on online SDR's. Maybe something local?

1098 **SPAIN** and **IRAN**.

1161 **IRAN** talk at S 4-5 //1098.

1386 **LITHUANIA** plus another station under but weak. Possible Ken.

2100

540 **HUNGARY** bell, etc. weak under NF and NY.

810 **UNITED KINGDOM** on top w/**SPAIN** under mixing with others.

819 **EGYPT** talk into flute music. S 5-6.

864 **EGYPT** Koran, pips into news. S 7.

891.010 **ALGERIA** S 7.

936 **SPAIN** pips, **IRAN** w/talk and unknown station.

990 **SPAIN** pips under CBC.

1017.000 **SPAIN** S 5-6.

1008.010 **SPAIN** S 4.

1044.010 **SPAIN** S 5-6.

1089.010 **UNITED KINGDOM** strong.

1107.009 **SPAIN** and another unknown station.

1134 **SPAIN** at S 5-7. Off sync.

1341.010 **UNITED KINGDOM** BBC. Music – Good.

2115

549t **IRELAND** maybe English. Jill FM on top.

567 **ROMANIA** and **SPAIN**.

603 As above.

765 **SAUDI ARABIA** Quran – Weak.

774 **EGYPT** and **SPAIN** mixing.

917.010 **NIGERIA** a woman and a man talking. Weak to a fair peak S 4-5. Some stringed instrument music. This was a surprise as previous files Benin 1566 not showing up.

1035t **ESTONIA**

1062 **ITALY** with talk and echo.

1197 **UNITED KINGDOM** Absolute. Woman with a song. Weak. //1215.

1269 **SPAIN** talk, fair. //1134.

1287 **UnID** talk and music. Best bet, Spain and Israel.

Now we have what I call the triad.

1313.912 maybe Iran.

1314.088 maybe Romania. Two w/talk and the other w/music.

1314.010 **SPAIN** strongest.

1323 bits of music.

1395t **IRAN** Hajiabad. Very weak.

1332 some talk and music. Do not wish to pursue it further.

1566 **BENIN** talk w/splatter.

2130

1206 Here I am interested in the woman singing with drums. Could be //Saudi Arabia-1521 as they had on what sounded alike but not sure. **ISRAEL** on top.

2145

531 **SPAIN** over Jill FM.

621 **EGYPT** music mixing w/**SPAIN**.

Also had Newfoundland 540, 570, 590, 600, 650, 710, 740, 750, 870 and 990.

2200

576 **ALGERIA** along with **SPAIN**.

954 **SPAIN** talk with **CZE** under with music.

567t **NIGERIA** woman singing with drums.

999 **SAUDI ARABIA** Quran //765

666 **PORTUGAL** pips late under **SPAIN**.

1071t **INDIA** singing and talk.

765 **SAUDI ARABIA** //999 w/Quran.

1215 **SPAIN** talk //837 – under **UNITED KINGDOM**.

2215

657 **ITALY** woman in Italian. //1062.

711 2 stations. 1 Mideast music. 2 A woman talking. At ToH heard 5 pips with last pip higher in pitch. Maybe pips from Morocco but could not find any online SDR with a signal for 711 Morocco.

792 **SAUDI ARABIA** Quran //765.

2300

- 630 **PORUGAL** pips along with Portuguese talk in the mix under WPRO. Also more pips a little later.  
720 **PORTUGAL** pips along with either Romania or Spain pips in the mix. WGN on top.  
1485 **SPAIN** slight echo. All low power stations (except Iran if on – I have never heard them) and any echo would drown out any weak stations. A channel that East coast DXers would bypass.  
1503 **SPAIN** up to S 8 w/pips etc.  
1521 **SPAIN** man in Spanish but weak. I believe if you can hear this station then you are good to go for China.  
1539 **SPAIN** on top with another unknown station under them with music.  
1548 **UNITED KINGDOM** Gold. Playing soft music but weak. //1557.  
1557 **UNITED KINGDOM** Gold. With bits of the above music.  
1575 **ITALY** good up to S 8 with music. Then test tones.  
1584 **SPAIN**.  
1602 **SPAIN**.

I just added more info for the high band as I just wanted to fill up my page of notes  
Take care and good DX to all. **Roy Barstow** – Falmouth MA.

### Menauhant Beach DX 2/12/20 (Roy Barstow via IRCA eGroup)

2200 – 120°

- 720 **SPAIN** talk, pips, etc //747

2215 – 120°

- 558 **SPAIN** talk //603 and weak unknown.  
576 **ALGERIA** on top with 2 woman talking and Spain under.  
594 **SAUDI ARABIA** call of Islam – Much like the Quran. A man talking and then a man singing then more talk. No // found and not //1521.  
774 **EGYPT** and **SPAIN**  
780 **USA** WCKB, NC. Gospel – All alone and in good.  
864 **EGYPT** Koran – Fair peak.  
936 **MOROCCO** talk //a weak 711 w/slop.  
1020 **USA** WIBG, NJ. Spanish on top.  
1089 **ALGERIA** some music and talk w/UK. This station received last summer at this beach.  
1107 **SPAIN** and another unknown  
1170t **USA** WCXN, NC. Presume them with Spanish and Mexican music.  
1215 **UNITED KINGDOM** a big gun but on this file up to only S 3-4.  
1566 **BENIN** at S 5 – after the man stopped talking some bells then gone.

2230 – 120°

- 531 **SPAIN** pips, talk along with Jill FM.  
828 **AFS** Magic 828. After a song and the announcer said a few words into Elvis with a song "Are You Lonesome Tonight." S 3-4.  
945t **SAUDI ARABIA** Arabic talk and Quran type program – Maybe, Call of Islam.

After hearing 570 Cuba and 580 Puerto Rico moved the truck (antenna) to 150 Degrees.

0000 – 150°

- 540t **ARGENTINA** LRA25, Radio Nacional, Tartagal. LSB – 5+1 pips mixing with WFLF FL. and hum from 539.86 NCG. This may be the same station received last summer or maybe just another Spanish station.

The low band was active but not much on upper part. This file had many from Cuba and other Spanish stations.

- 700 **ARGENTINA** Cordoba. With 5+1 pips. Later WLW was strong.  
760 **BRAZIL** woman in Portuguese in the mix under WJR.  
780 **VENEZUELA** after some music many mentions of Radio Coro. This at 2 minutes past ToH.  
810 **BRAZIL** Portuguese heard and maybe Fortaleza. 5 fast pips before ToH.  
1000 **COLOMBIA** RCN. Spanish along with 5+1 pips in the mix.  
1030 **ARGENTINA** mixing with WBZ. "del Plata" mentioned.  
1100 **COLOMBIA** HJAT, Caracol. On top at the ToH.  
1210 **CUBA** Radio Sancti Spiritus. ID along w/Reloj w/clock.  
1270 **ARGENTINA** pips, fan fare and then a woman takes over. NICE.  
1290.3 **BRAZIL** some audio in the splatter.

Then later, 630 WAPA PR. equal to WPRO.

- 1030 **ARGENTINA** about equal to WBZ.

- 1270t **ARGENTINZA** 2 pips heard, the rest buried in the domestic haze.

I have been having trouble with the outboard amplifier last 2 outings as have to adjust it to make it work. This trip it had power but noise. Maybe a cable shorting out. So only the onboard G-33 amplifier this time. This may be a very good Summer like I had in 2018 with many from below the Equator. The above just a prelude but enough to start my juicers flowing South.  
OLD ROY FROM OLD CAPE COD

### Trip to Israel and Jordan by Bruce Portzer

My wife and I just returned from a 10 day trip to Israel and Jordan. It was quite an adventure seeing many of the region's historic religious and cultural landmarks, as well as getting a taste of its social and political environment. Naturally, I brought along a XHDATA-D808 modified by Gary DeBock so I could DX from our hotel rooms. As expected, the hotels were hotbeds of RF-noise, but I was generally able to work around it and hear some interesting DX.

Our room in Nazareth had a large sliding glass door leading to a small balcony. I could have gone outside but decided not to brave the wind, rain and 40 degree temperatures on the outside balcony. Instead I had acceptable results by placing the radio atop my suitcase next to the window. The lower half of the band was noticeably desensitized but the upper part of the dial was alive with signals, more than enough to keep me amused. Best catches from here were Taiwan-1557 and the VOA relays on 1530 and 1431.

The hotel room in Bethlehem was much noisier than the one in Nazareth. If I tried hard enough, I could almost hear the 1521 Saudi by standing near the window. Fortunately, the room also had a nice balcony with chairs and a light. The hotel was located on a hillside with a sweeping view of the city and the horizon to the north and east, so I might have also had interesting FM DX had I tried. The weather was slightly better here at night (still cold but no rain) so I was able to DX comfortably in my winter coat. The building's reinforced concrete walls not only kept radio signals out, but kept much of the RF pollution from getting out. As a result, the noise was still there but tolerable. I managed to hear HLAZ-1566 and Afghanistan-1107 from this location as well as a nice assortment of stations from nearby countries. All told, the balcony location turned out to be a good one.

We also stayed a couple of nights in Jordan, but the hotel rooms in Amman and Petra didn't have balconies and noise levels were high. I could hear maybe 3 dozen stations at both places, but they were mostly in neighboring countries except for VOA-1530.

DXing was a challenge because about 98% of what I heard was in a language I normally don't receive on the radio. In some cases, there were lots of parallel stations to chase, especially in the cases of the Saudis. Otherwise, I had to hope for an ID or some other clue. Programs often ran across the top of the hour without interruption and, unlike East Asia, time pips were rare. A lot of strong easily heard stations were ignored as I chased more interesting targets.

Saudi Arabia was the most plentiful country on the dial followed by Iran and Egypt. A least six of the eight Kol Israel stations were also listenable in Bethlehem or Nazareth; I'm not sure about 882 and one of the 1458 outlets. Most of the higher powered stations in the Gulf countries (Kuwait, Oman, UAE, and Qatar) could also be easily heard. Southeast Europeans (Romania, Bulgaria, etc.) had their moments, too, as did the Armenians on 1350 1377 and 1395. Curiously, I heard nothing from countries west of the Adriatic. No Spanish, Algerian, Moroccan, or Italian stations at all. One reason was the strong co-channel interference on several channels like 684 and 774. A bigger reason was probably blockage by the thick concrete and stone walls typical of virtually all buildings in that part of the world. Even the hotels' interior walls were made of concrete, all of which made for buildings that MW signals can't penetrate.

Here is a detailed summary of what I noted during the trip. The most distant catches were HLAZ-1566 and Taiwan-1557, both around 8200 km. Third place and westernmost log was VOA Sao Tome-1530 at about 4500km. Honorable mention goes to Afghanistan-1107, VOA Djibouti-1431, and Ethiopia-1359 as the next most distant catches. Everything else I heard was relatively close: SE Europe, the Arabian Gulf or eastern Mediterranean areas. Nearby countries that eluded me were Turkey, Bahrain, and Iraq.

Locations: 1/23 to morning of 1/26 Nazareth (Israel), 1/26 (evening) to 1/30 Bethlehem (Israel), 1/31 Amman (Jordan), 2/1 to morning on 2/2 Petra (Jordan)  
Receiving setup: XHDATA D-808 receiver modified by Gary DeBock with external 7' loopstick. All audio was recorded using a Marantz PMD620 digital recorder.

I've included links to audio files for some of the stations. All times are UTC.

- 531 **SAUDI ARABIA** 2039 2/1 Quran recitation //657/999 poor u/Kol Israel  
540 **KUWAIT** 1805 1/26 Arabic woman //1134 good  
549 **SAUDI ARABIA** 1746 2/1 woman in Arabic //585, slight echo  
558 **IRAN** 1932 1/28 news by woman with slight echo from multiple transmitters, Radio Iran ID at end 1933, weak Romania in background  
**ROMANIA** 1933 1/25 good o/Iran w/Village People "YMCA". Mixing w/Iran 1930 1/28 "Romania Actualitati" IDs  
[https://www.qsl.net/n7ecj/holyland/Romania-Iran-558\\_1930\\_28Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Romania-Iran-558_1930_28Jan20.mp3)  
567 **SYRIA** 1601 1/31 good w/group of men singing, a couple of announcements by women (one mentioned Washington), ID by man mentioning "al-arabia suria" and "...min Dimashq", then next program [https://www.qsl.net/n7ecj/holyland/Syria-567\\_1600\\_31Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Syria-567_1600_31Jan20.mp3)  
576 **BULGARIA** 1940 1/25 good w/Stevie Ray Vaughn music, two guys in presumed Bulgarian. Listened in //on Thessaloniki KiwiSDR to confirm it was them  
585 **SAUDI ARABIA** 1856 1/26 Middle East music good //675  
594 **SAUDI ARABIA** was heard a few times in passing //585 but never wrote it down  
612 **JORDAN** 1800 2/1, 6 pips same pitch, last one longer, then announcements and what sounded like headlines, 1803 two IDs by man which seemed to match what's listed in WRTH, then news program, good w/slight QRM from Quran recitation, possibly Bahrain.  
[https://www.qsl.net/n7ecj/holyland/Jordan-612\\_1800\\_1Feb20.mp3](https://www.qsl.net/n7ecj/holyland/Jordan-612_1800_1Feb20.mp3)  
621 **EGYPT** 1803 1/26 loud male Arabic talk. Also heard many other times.  
630 **ROMANIA** 1900 1/28 single time pip, Radio Timisoara ID, woman w/what sounded like news, mostly poor u/the Saudi recitations  
**SAUDI ARABIA** 1855 1/28 good w/Quran recitations //1512  
639 **CYPRUS** see 720  
657 **SAUDI ARABIA** 1950 1/25 weak u/local Kol Israel w/Quran program //765/999  
666 **SYRIA** 1821 1/31 noted with hit music type format. "Shabob fm" IDs between songs, sometimes preceded by short promotional announcement, mostly poor in bad RF noise. Audio a bit distorted either by the noise or transmitter problem.  
675 **QATAR** 1638-1700+ 1/28 wild battle between Qatar and Saudi Arabia, both in Arabic with combinations of talk and music, one of them having distinctive drum music every couple of minutes, apparently a news or feature program of some sort  
**SAUDI ARABIA** 1856 1/26 Middle East music //585  
684 **SAUDI ARABIA** 1755 2/1 apparently a soccer game w/excited announcer //702/747  
693 **IRAN** 1900 1/26 female talk, announcement w/several mentions of Iran  
702 **SAUDI ARABIA** 1948 1/27 //684/1206/1215 fair  
720 **CYPRUS** 1946 1/24 BBC strong Arabic man and woman, Mideast pop songs, //639 which was also strong  
729 **GREECE** 1955 1/26 fair-poor w/R&B songs in English, faded across ToH but returned 2002 with news in Greek, 2006 news ended and next program started  
738 **ISRAEL** 1610 1/25 Makan Radio good w/Arabic programming every time I checked, //1080. 738 was strongest in Nazareth and 1080 strongest in Bethlehem as expected.  
765 **SAUDI ARABIA** 1940 1/27 Quran program good //792  
774 **EGYPT** 1802 1/26 huge signal w/woman in Arabic  
783 **SYRIA** was often strong at times during local evening, but appeared to be absent at other times as though it was off or using greatly reduced power. Attempts to hear ID at ToH were always met with music or talk that ran well past the ToH.  
792 **SAUDI ARABIA** 1940 1/27 Quran program good //810/765  
810 **IRAN** 1757 1/26 interesting ethnic music, male talk in Farsi fair-good w/Saudi in the background  
**SAUDI ARABIA** 1940 1/27 Quran program good //792/765  
819 **EGYPT** noted many times in passing but never stopped to check it out  
837 **IRAN** 1932 1/27 news and various announcements, Radio Isfahan ID fair [https://www.qsl.net/n7ecj/holyland/Iran\(Esfahan\)-837\\_1932\\_1-27-20.wav](https://www.qsl.net/n7ecj/holyland/Iran(Esfahan)-837_1932_1-27-20.wav)  
855 (**JORDAN**) 20 kW outlet listed for Amman not heard while in Amman the evening of 1/31  
**ROMANIA** 1851 1/24 good w/classical music and woman announcer. 1639 1/25 fair //1152/1179.  
864 **ARMENIA** 1620 1/31 TWR IS fair mixing with another station  
**EGYPT** 1938 1/24 strong male religious talk //1503, also strong several other times  
873 **SAUDI ARABIA** 1947 1/25 Quran programming //882 936 981 999 1512 765  
882 **SAUDI ARABIA** 1947 1/25 Quran programming //999 1512 et al  
900 **SAUDI ARABIA** 1839 1/25 good //945/1521 with Middle Eastern music  
927 **SAUDI ARABIA** 1825 1/28 woman and girl talking //684/1044  
936 **SAUDI ARABIA** 1947 1/25 Quran programming //999/1512  
945 **SAUDI ARABIA** 1925 1/24 Arabic talk //1260  
972 **IRAN** 1755 1/26 good with man and woman in Farsi punctuated by various electronic sounds  
981 **SAUDI ARABIA** 1947 1/25 Quran programming //999  
999 **MOLDOVA** Christian programming noted mixing with the Saudi station a couple of times but forgot to note the time. Presumably TWR.  
**SAUDI ARABIA** 1947 1/25 Quran programming strong //765 882 936 981 1512  
1053 **IRAN** 2029 1/24 male anthem, woman with Radio Iran ID, then march music sung by men  
[https://www.qsl.net/n7ecj/holyland/Radio\\_Iran\\_1053\\_202\\_24Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Radio_Iran_1053_202_24Jan20.mp3)  
**ROMANIA** 0413 1/24, good with Radio lasi ID (which sounded like "Yash"), kHz and MHz freqs mentioned, then pop songs  
[https://www.qsl.net/n7ecj/holyland/Romania-1053\\_0413\\_1-24-20.mp3](https://www.qsl.net/n7ecj/holyland/Romania-1053_0413_1-24-20.mp3)  
1071 **SYRIA** 1834 1/24 Radio Al-Nour, the pro-Hezbollah station, was getting chopped up quite badly by either a jammer or some sort of local electrical noise. If the latter, an amazing coincidence as it was the only station affected that badly by noise. The jamming (?) was noted only in Nazareth, but it was present the entire time we were there. 1071 was clear of anything sounding like a jammer in Bethlehem and Jordan, which was a bit surprising given how it sounded in Nazareth. [https://www.qsl.net/n7ecj/holyland/Al-Nour+jamming-1071\\_1834\\_24Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Al-Nour+jamming-1071_1834_24Jan20.mp3)  
1080 **ISRAEL** 1618 1/25 fair-poor with Arabic service //738  
**SAUDI ARABIA** 1854 1/25 good with ME music and Arabic talk //1089/1098/1116/1215  
1089 **SAUDI ARABIA** 1854 1/25 good with ME music and Arabic talk //1080/1098/1116/1215  
1098 **SAUDI ARABIA** 1854 1/25 good with ME music and Arabic talk //1080/1089/1116/1215  
1107 **AFGHANISTAN** 1928 1/27 sign-off with weak male talk, folk melody on plucked instrument, then vocal NA fair. Also heard same time 1/29 with slightly better signal. Carrier went off a few seconds after NA ended [https://www.qsl.net/n7ecj/holyland/Afghanistan-1107\\_1927\\_29Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Afghanistan-1107_1927_29Jan20.mp3)  
1116 **SAUDI ARABIA** 1854 1/25 fair with Middle Eastern music and Arabic talk //1080/1089/1098/1215  
1134 **KUWAIT** 2001 1/25 loud w/Arabic talk. Good-strong almost every time I checked  
1152 **ROMANIA** 1639 1/25 good male talk //855/1179  
1161 **EGYPT** 1625 1/31 fair-good man and woman in Arabic, pop song starting 1634. Unid in background was probably Iran  
1170 **UNITED ARAB EMERITS** good signal each evening with the usual assortment of talk and Mideast music, never stayed on the freq long enough to hear an ID  
1179 **ROMANIA** 1639 1/25 fair with male talk //855/1152  
1206 **ISRAEL** 1826 1/24 Kol Israel Kan Bet //657 good quality in Nazareth with bits of Saudi in the background. Much weaker mixing with Saudi in Bethlehem  
1215 **SAUDI ARABIA** 2126 1/24, apparent mix of Radio Riyadh and Radio Jeddah, one with excited male, apparently highlights from a soccer match, the other with sedate discussion  
1242 **OMAN** 1758 1/25 good Mideast music, 1801 ID as "Idha Saltanat al Oman" or something similar, then start of next program.  
[https://www.qsl.net/n7ecj/holyland/Oman-1242\\_1800\\_25Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Oman-1242_1800_25Jan20.mp3)  
1260 **SAUDI ARABIA** 1910 1/24 Arabic talk good //1521 et al  
1269 **KUWAIT** 1855 1/25 Middle East songs, brief announcement at ToH that didn't sound like an ID. Confirmed it was Kuwait by listening to //on Kuwaiti KiwiSDR.  
1278 **IRAN** 1957 1/24 good with instrumental music, woman in Persian, quick Radio Kermanshah ID. [https://www.qsl.net/n7ecj/holyland/Iran-Kermanshah-1278\\_1957\\_24Jan20.mp3](https://www.qsl.net/n7ecj/holyland/Iran-Kermanshah-1278_1957_24Jan20.mp3)

- 1287 (ISRAEL) Voice of Hope not heard. Confirmed as temporarily inactive in subsequent World of Radio e-group discussion
- 1296 **UnID** 1935 1/29 weak talk. Candidates in order of likelihood: 1-Afghanistan 400kw, 2-Iran 10kw, 3-Sudan briefly returning as a practical joke
- 1305 **UnID** growl/rumble and weak audio noted a few times. Probably a combination of Egypt and off-freq Iranian (Bushehr is listed as 1305.087)
- 1323 **IRAN** 1612 1/28 Farsi male good
- 1332 **IRAN** 1629 1/25 woman, Mideast pop music, Radio Tehrani ID
- 1341 **KUWAIT** 1750 1/28 magazine type program in Arabic. Flute music for 2-3 minutes before ToH, ID as "albarnamaj alththani (second program)" with drums and violin, then program opening with a few English words. Good, sometimes with weak QRM from other stations.  
[https://www.qsl.net/n/n7ecj/holyland/Kuwait-1341\\_1800\\_28jan20.mp3](https://www.qsl.net/n/n7ecj/holyland/Kuwait-1341_1800_28jan20.mp3)
- 1350 **ARMENIA** 2058 1/24 man in Arabic mentioned website [arabicprograms.org](http://arabicprograms.org) which brings up a TWR Arabic page, then what sounded like start of next program. Egypt in background 2100 with Big Ben chimes and woman in Arabic [https://www.qsl.net/n/n7ecj/holyland/Armenia-1350\\_2058\\_24jan20.mp3](https://www.qsl.net/n/n7ecj/holyland/Armenia-1350_2058_24jan20.mp3)
- EGYPT** 1600 2/1 Big Ben clock chimes at ToH, then woman with news. Good strength but much electrical noise. Listed as 20kw in Quseir on the Red Sea coast. [https://www.qsl.net/n/n7ecj/holyland/Egypt\\_1350\\_1600\\_1feb20.mp3](https://www.qsl.net/n/n7ecj/holyland/Egypt_1350_1600_1feb20.mp3)
- 1359 **ETHIOPIA** 1950 1/30 Horn of Africa music fair, announcements in UnID language, seemed to go off 2001 after brief announcement by woman. No ID but the distinctive music is enough to say it's Ethiopia
- 1377 **ARMENIA** 2001 1/29 woman in UnID language spelling out mailing address in Cyprus, then seemed to mention schedule for whatever show it was. TWR IS followed. Good signal. [https://www.qsl.net/n/n7ecj/holyland/Armenia-1377\\_2001\\_1-29-20.mp3](https://www.qsl.net/n/n7ecj/holyland/Armenia-1377_2001_1-29-20.mp3)
- 1386 **EGYPT** 1700 2/1 recitations to ToH, then news by man, fair w/periodic blasts of RF gurgles
- 1395 **ARMENIA** 1924 1/26 local-like signal, series of promotional announcements, many "Radio Iran International" IDs.  
[https://www.qsl.net/n/n7ecj/holyland/Armenia\\_\(Radio\\_Iran\)-1395\\_1924\\_1-27-20.mp3](https://www.qsl.net/n/n7ecj/holyland/Armenia_(Radio_Iran)-1395_1924_1-27-20.mp3)
- 1413 **MOLDOVA** 1848 1/24 Vesta FM good with Russian talk
- OMAN** 1943 1/24 BBC World Service in English fair w/Vesti in the background. Dominated 1413 most evenings.
- 1431 **DJIBOUTI** 1928 1/24 VoA fair-good with French service. 2051 1/24 talk in African English. Better 1606 1/25 w/"Nightline Africa" program.  
[https://www.qsl.net/n/n7ecj/holyland/VOA\\_Djibouti-1431\\_1606\)25jan20.mp3](https://www.qsl.net/n/n7ecj/holyland/VOA_Djibouti-1431_1606)25jan20.mp3)
- SAUDI ARABIA** 1910 1/24 Arabic talk good //1521, also //same time 1449 fair, 1467 good, 1215 good, 1260 good
- 1449 **SAUDI ARABIA** 1910 1/24 Arabic talk good //1521
- 1458 **ISRAEL** 2040+ 1/25 one of the Kol Israel stations was noted w/pop and jazz music, program hosts that talked for extended periods. Good at times but also had many fades into nothingness. Either the Culture network via Eliat or Heritage network via She'ae Yashuv. The latter was much closer.
- 1467 **SAUDI ARABIA** 1910 1/24 Arabic talk good //1521 et al  
**UnID** 1910 1/24 loud het every time I tuned past, probably Qom, Iran on 1467.4
- 1476 **UNITED ARAB EMERITS** 1809 1/24 South Asian music and talk good, loud het probably from off-freq Iranian
- 1503 **EGYPT** 1938 1/24 male religious talk good //864
- 1512 **IRAN** 0335 1/26 fair ethnic music and man in Azeri, Radio Ardabil ID. [https://www.qsl.net/n/n7ecj/holyland/Iran\\_1512\\_0335\\_1-26-20.mp3](https://www.qsl.net/n/n7ecj/holyland/Iran_1512_0335_1-26-20.mp3)
- SAUDI ARABIA** 1808 1/24, good w/Arabic talk
- SAUDI ARABIA** 1806 1/24 strong w/Arabic talk, possibly the strongest skywave signal
- 1530 **SAO TOME** 2003 1/24 news in American English fair-nil with Saudi-1521 splatter. Talk in American English 0328 1/26
- 1539 **UNITED ARAB EMERITS** 1906 1/24 fast talking south Asian woman, sounded like news. 1608 1/28 string of ads in South Asian language, then Indian music good
- 1548 **KUWAIT** 1902 1/24 loud w/Sawa IDs by man, promo for radiosawa.com by woman, then pop Arabic songs  
[https://www.qsl.net/n/n7ecj/holyland/Sawa\\_1548\\_1902\\_24jan20.mp3](https://www.qsl.net/n/n7ecj/holyland/Sawa_1548_1902_24jan20.mp3)
- 1557 **TAIWAN** 1807 and 2024 1/25 Chinese talk and short bits of music managed to briefly surface, weak but clear enough to recognize language. Slight splatter from R Sawa-1548. [https://www.qsl.net/n/n7ecj/holyland/Taiwan-1557\\_1807\\_25jan20.mp3](https://www.qsl.net/n/n7ecj/holyland/Taiwan-1557_1807_25jan20.mp3)
- 1566 **SOUTH KOREA** 1915 1/26 HLAZ heard with mellow man and woman, hymns 1918, 1922 man spoke in Korean for several minutes. Weak at first but rose to "almost good" level by 1924. [https://www.qsl.net/n/n7ecj/holyland/HLAZ-1566\\_1920\\_1-26-20.mp3](https://www.qsl.net/n/n7ecj/holyland/HLAZ-1566_1920_1-26-20.mp3)
- 1575 **IRAN** 2002 1/27 woman fair in Farsi, 2004 filler music, then instrumental Mid-east music



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

Deadlines: 3/7 – Anniversary issue, 3/21, 4/4, 4/18 and 5/2

Glenn Hauser, PO Box 1684, Enid OK 73702 [wghauser@yahoo.com](mailto: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.

CANADA. 300 kHz, February 16 at 0720, ND beacon dash and YIV, which is 500 watts from Island Lake, Manitoba.

317 kHz, February 16 at 0722, NDB dash and VC, which is 1000 watts from La Ronge, Saskatchewan.

366 kHz, February 16 at 0729, NDB dash and YMW, which is 500 watts from Maniwaki, Quebec. Also two from USA.

UnID. 356-MCW kHz, February 11 at 0716, ND beacon PJ. None listed at dxinfocenter on this or adjacent frequencies; no dash, but if it were on 329 it would be in Whitehorse YT. Possibly a mixture of: PI in Peoria IL, and SJ in San Angelo TX: --. . . and . . . ---- {Note: some fonts insist on merging two or three hyphens into one longer dash, difficultizing conveyance of Morse!}

USA. 329 kHz, February 16 at 0723, ND beacon PMV, which is 25 watts from Plattsmouth, Nebraska.

342 kHz, February 16 at 0726, NDB PFT, 25 watts from Pine Creek-Piney, Minnesota. The F and T without a space so it seemed like a 5-character letter! Later figured must be this. Also three from CANADA.

CANADA. 399-MCW kHz, February 11 at 0720, ND Beacon dash and ZHD, which is 25 watts from Dryden-Barclay, Ontario.

406-MCW kHz, February 11 at 0721, NDB dash and YLJ, which is 40 watts from Meadow Lake, Saskatchewan, I was tuned to 405-USB.

CANADA. Bedtime beacon bandscan concentrating on less- or never-heard ones, February 13 at 0711-0719 finds these from four provinces: 392-MCW kHz, dash and ML, 500 watts from La Malbaie-Charlevoix QC, 385-MCW kHz, dash and QV, 100 watts from Yorkton, Saskatchewan

355-MCW kHz, dash and YWP, 200 watts from Webequie, Ontario. Where's that, and how is it pronounced? <http://www.webequie.ca/> "Webequie is a growing Ojibway community located on the northern peninsula of Eastwood Island on Winisk Lake, 540 km north of the city of Thunder Bay. The 850+ community members originate from all over Northwestern Ontario, and enjoy a life that embraces traditional cultural practices. Surrounded by Winisk River Provincial Park, Webequie provides tourists a pristine natural landscape with some of the best fishing and hunting in Northern Ontario" [see below]

353-MCW kHz, dash and PG, 25 watts from Portage-la-Prairie, Manitoba; mixing with IN and LI, the confusing MN/AR overlapping pair 340-MCW kHz, dash and YY, 500 watts from Mont-Joli, Quebec.

CANADA. Each DX log a potential learning experience, I say. And making NDB beeps much more enlivening are replies like this: "Re: [WOR] Webequie 355 MCW – Webequie is an interesting place, Glenn. I spent a few weeks there in mid-winter in the late 70s as a senior medical student. Only way in and out was via plane. My clinic/residence then had no power, and only wood heat. Besides the Hudson's Bay store manager, I was the only non-Ojibway person there. Very cold, in the order of -20 to -40 deg C. The Northern Lights were spectacular. I admit to getting cabin fever there after a few weeks, and was eager to move on after that! 73, Walt Salmaniw"

USA. 408 kHz, February 14 at 0628, ND beacon JDM, which is 25 watts from Colby-Wheatfield, Kansas. Only one I log tonight.

USA. 414 kHz, February 15 at 0732, ND beacon SU, which is 40 watts from Sioux City, Iowa; was tuned to 412-USB.

USA [non]. 780, February 16 at 0814, I happen to awaken, too late or in time for the KKOH Reno 50 kW ND test starting at 0800? I get a good null on WBBM, but nothing heard except Spanish music. Others say this was Radio Coro, Venezuela, and KKOH did test, but when did it stop? Shucks.

USA. 1020 kHz, February 15 at 0704, Spanish promos mention RadioVisión Cristiana a few times, overriding semi-local KOKP Perry OK, making fast SAH with it. KOKP can only be somewhat heard by nulling: KCKN Roswell NM, the RVC 1330 NYC relay station, recently restored after damage causing low power operation for over a year. Now sounds like original 50 kW, but certainly NOT with a null toward KDKA, as we are very close to that line on the way, so non-directional? Licensed day pattern is also very directional with tight lobes at 155 and 325 degrees (toward Albuquerque), essentially nothing thisaway. [https://transition.fcc.gov/Bureaus/MB/Databases/AM\\_DA\\_patterns/1795705-136765.pdf](https://transition.fcc.gov/Bureaus/MB/Databases/AM_DA_patterns/1795705-136765.pdf) Licensed night pattern is quite similar, peaks at 175 and 320 degrees, alleged null at 55 degrees: [https://transition.fcc.gov/Bureaus/MB/Databases/AM\\_DA\\_patterns/1795705-136766.pdf](https://transition.fcc.gov/Bureaus/MB/Databases/AM_DA_patterns/1795705-136766.pdf) Before it crashed, it was often heard here as if not within specs then either.

USA. 1090, February 11 at 0651, KAAV Little Rock AR in dead air already, so not limited to hour-tops; but 0656 resumed with music; did not get back in time before 0705 to hear the usual news hole tonight.

USA. 1090, February 12 at 0702, KAAV Little Rock drops to dead air after lengthy PSA about veterans. The exact time this happens varies somewhat.

USA. 1140, February 15 at 1832, exactly local mean noon here, on caradio at certain spots I am getting fast SAH QRM to KRMP OKC, apparently "power-line beverage" enhancement. Suspect KCXL Kansas City, the Russian relay; but also in area are KLTK in NW Arkansas, and KHFX Cleburne, N Texas, but directional away from here: both Spanish, if only I could make out a language. Shortly on home rig I can tell there are two beating signals on 1140 but mostly KRMP.

1140, Sunday February 16 at 1410, American English woman and man discussion of brain cancer, loops NE/SW, over KRMP but soon losing out. This is when KCXL is scheduled to carry Sputnik Radio, Russian propaganda, 6-9 am CT 7 days a week = 12-15 now, 11-14 during imminent DST. KCXL got lots of negative press about relaying Russia, supposedly another 3 hours in the evening but own sked shows only mornings: <http://www.kcxl.com/shows.html> Yet, KCXL brands its homepage with an \*American\* flag. Rest of sked is a strange mixture of various religions and far-right extremist talkers.

OKLAHOMA. 1210, KGYN Guymon, in the Panhandle continues to be quite audible here in Enid at night, usually the dominant station on frequency, making me suspect it's not really nulling toward WPHT Philadelphia; however, we are a bit south of that direction. Closer to the null line would be Wichita and Saint Louis, and points in between. Could some listeners around there check whether KGYN be audible, and more significantly, is there any change in signal at its nominal SS/SR times which in February are officially: 0030/1330 (March: 0045/1300). 10 kW day pattern is ND; 10 kW night pattern of three towers in a row, is a somewhat broad cardioid favoring WSW with deep notch ENE toward Philadelphia. As seen in mv-eko, KGYN is often heard and QSLed from Scandinavia, but that great circle is more northerly. It still has to get past WPHT et al. The February issue reports three QSLs of KGYN, two of them signed by owner Greg Steckline (who presumably is at corp HQ in Kansas), and in fact NO other OK MW stations reported heard or QSLed, although those guys pull in hundreds of US stations more challenging than KGYN.

OKLAHOMA. Re my report of 1319.96, KCLI Clinton, mentioning in ID, KWEY HD-4, Fredrik Douren points out that KWEY does have an FM, 18+ kW on 95.5 -- but no info about its HD sub-channels. Stephen Luce, Houston TX, also replies: "Glenn, yes, there are FMs with HD-4 sub-channels; we have a few of those here in Houston. Probably the limit as available allocated bandwidth would otherwise be too narrow for decent audio -- I have never heard of anyone running an HD-5." Raymie Humbert, AZ, also replies, on the WTFDA Forum: "02-12-2020, 02:23 AM -- Yes, there are HD4s and, as Fredrik mentioned, there is a KWEY-FM to feed them. KWEY-FM does not have any direct associated translators, though; its sub-channels are all simulcasts of separately licensed stations. Someone on Wikipedia put a list of the HD subs: HD2 Classic country, KWEY AM 1590, HD3 Classic rock, KKZU FM 101.7, HD4 Sports, KCLI AM 1320".

UnID. 1477.15V and 1502.85V, February 11 circa 0700, distorted weak matching spurblobs, unreadable FModulated, must be out of defective 1490 transmitter exactly halfway between them. At 2340, before 0008 sunset here, not being heard, implying, but not certainly that this be westish rather than eastish from here.

1477.235V and 1502.765V, February 12 at 0021, now they are re-audible, same type of pairing varied to slightly different though more closely measured frequencies, i.e. plus and minus 12.765 from 1490.000. So far on the R75 with E-W longwire only. At 0110 February 12, I employ the hand-held wrist-altazimuth DX-398 with BFO offset, to try to get a DF on them: peaks NE/SW on both of them. This might imply out of my local 1390 KCRC, which used to be a bad spur-producer closer in -- but does not work out mathematically, and besides, the spurs are fading. Nevertheless, just in case, I check the same displacements on the minus side of 1390, i.e. 1277.24 and 1302.76, and hear nothing. On 1490 itself, of course, a pileup of graveyarders, impossible to make any modulation peak match. There are none near enough to here to dominate. NE/SW axis implies most likely MO or TX, or possibly a state neighbor to those, with TX the top choice because they were lacking pre-sunset. So what stations are in that area? There are a dozen TX on 1490! Closest to the SW axis are KZZN Littlefield and KBST Big Spring; a little further CCW are KWVC Vernon (closest), KWMC Del Rio. Also possible, XEJC Ciudad Juárez in the right direction, one of few Mexicans which may still be active on 1490. The three MO 1490s are KDMO Carthage, KTTR Rolla and KDRO Sedalia. I recall there was a similar pair of UnID blobs a good many months ago but haven't been able to find them in archives by frequency searches. I don't believe that mystery was resolved. Now it would be very helpful if others in the area from different angles could at least get a DF bearing on them (they should match), if not any readable audio to ID them directly, such as by matching modulation peaks to a local 1490.

UnID. 1477 and 1503 approx., February 12 at 1432, spurblobs out of some 1490 station are still audible.

UnID. 1477+ and 1503-, February 14 at 0118, no sign of the FMish spurblobs presumed to emanate from some defective 1490 graveyarder. Meanwhile, a resounding lack of interest, no replies found to my previous reports of these posted ASAP to MW groups, requesting other DXers try to get a DF fix on them. Should they recur I shall certainly report them.

UnID. 1502.8v, still no longer hearing the spurblob nor the match around 1477.2v, but this caught my eye, surely coincidental around one of the times I was hearing them, from BC-DX:

"BOSNIA-HERZEGOVINA. On February 4 at 0600 MW broadcaster on odd 1502.9 was heard with pips, gong and ID "Radio Bosnie i Hercegovinie, Vesti (=News)". (Rumen Pankov-BUL, via wwdxc BC-DX TopNews February 8)"

UnID. Trans-Atlantic JBA MW carrier search, February 11 at 0653-0657: 666, 693, 711, 747, 774(2), 846, 855, 882, 936(2), 1044, 1053, 1107, 1125, 1215, 1305. (2) means at least two carriers beating. Notably missing are the big Algerians, 531, 549, 576, 891 -- by now they may be too far into the dayside; not much from BBC either. 846 is extremely weak but is the only one suspected of being TP instead: Kirimatati, where it's still way after sunset, but I had not been hearing any of it for some weeks; is it still on?

UnID. Trans-Atlantic JBA MW carrier search, February 12 at 0643-0649: 585, 612, 639, 711, 747, 774(2), 837, 855, 882, 891, 909, 936, 1044, 1053, 1089, 1107, 1125, 1134, 1215, 1314.

UnID. Trans-Atlantic JBA MW carrier search, February 14 at 0212-0216: 531, 549, 558, 567, 576, 621, 711(2), 774(2), 837, 855, 891=strongest, 909, 936(2), 1053, 1089, 1215, 1305.

USA. WORLD OF RADIO 2021 confirmed Sunday February 16 at 0429 on WA0RCR, 1860-AM, MO, VG S9+20/30, about 7 minutes into so started circa 0422, closer to nominal 0415-

UnID. 2097.3-CW, February 13 at 0651, single-letter beacon A is absent again. Last few nights had tuned across and heard it when I paused for at least 10 seconds, without bothering to relog.

UnID. 2097.3-CW, February 16 at 0643, one-letter beacon A is audible again, with QRM from 2098.0.

UnID. 2098.0, 2166.0, 2231.0, 2298.0, 2800.0, February 16 at 0643-0713, things that go beep in the night, CW carrier pips exactly 3 seconds apart = 20 per minute on these even frequencies, first noticed when I was checking beacon A on 2097.3. Then found more as I tuned up, always on exact kHz, but not equally spaced: intervals of 68, 65, 67 kHz but none around 2365 nor below around 2032 by 0653. Not until 0713 did I find another, way up on 2800.0 but no others around it. What in the world? Can't totally rule out a local device, but random frequencies would not all be exact; seems intentional.

USA. 3215, Sunday February 16 at 0159, Dave Frantz with live? WWRB QSY announcement to 3185, finishes just in time for \*WWCR steel drum and its sign-on, while open carrier overlaps with a SAH for several more seconds.

3185, February 16 from \*0200, WWRB sign-on and into first gospel huxter who does not explicitly identify but says will be off WWRB at end of January [sic] since has been getting absolutely no listener response there; instead funds will go to missionary work in northern Luzon. Also with big hum. "Challenge" mentioned, maybe as name of show? Recheck at 0429, I notice 3185 is still on, but only on weekends.

CUBA. 5025, February 14 at 2358, Radio Rebelde is S9+20 and very distorted; 5040, Radio Havana Cuba is merely distorted.

CUBA. 5040, February 13 at 0646, Radio Havana Cuba still in Spanish instead of English, and suptorted although S9+30; also with a big hum. Wiggle that patch-cord.

USA. 5085, February 14 at 1439, WTWW-2 is on at this odd hour with rock music, S9+20/30; and so is 5830 WTWW-1 with SFAW; night frequencies; did they stay on all night? Often but not always 5085 at least is running past 0700. By 1510, ham ad on 5085.

USA. 5085, February 15 at 2214, WTWW-2 is already on since it's Saturday, ham stuff about AMSAT, S9+20/30 and overmodulated. Once upon a time they ran day frequency 9930 for this but not heard there in ages; maybe also pre-empting SFAW on 9475.

USA. 5085, Sunday February 16 at 0112-0144, anonymous theater organ show occupies this span, always a bit more than 29 minutes and never during a specific half hour; I soon switched to WTWW-2 stereo webcast. Then right into disco music.

USA. Re 5130 WBCQ, voice sounding like Marion Webster: I understand that a similar voice heard on GRITS Radio was Brad Read, the host of GRITS. Someone who heard more of the latest show says it was announced by his wife, Val, that he has a malignant tumor on vocal cords or larynx. Doctors believe that radiation will take care of the problem and he is scheduled to do so shortly and expected to recover fully.

Until the next, Best of DX and 73 de Glenn!



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

Welcome to another edition of SportChannels! Basketball season is under way, and we're now featuring NBA network lists. In this edition, the radio listings from the Central Division of the Eastern Conference are featured. Flagship stations are in **boldface** type.

**CHICAGO BULLS** Chuck Swirsky, Bill Wennington, Web: [nba.com/bulls/](http://nba.com/bulls/)

<b>AM</b>	1360 WLBK De Kalb, IL	<b>FM</b>	103.5 WXLT Christopher, IL
<b>670 WSCR Chicago, IL</b>	1440 WGEM Quincy, IL	93.7 KNTK Firth, NE	<b>104.3 WBCN-HD2 Chicago, IL</b>
740 WVLN Olney, IL	1440 WROK Rockford, IL	96.5 WHPI Farmington, IL*	105.5 WYKT Wilmington, IL
1060 WRHL Rochelle, IL	1490 WZOE Princeton, IL	98.9 W255BN De Kalb, IL (1)	
1280 WBIG Aurora, IL	1560 WBYS Canton, IL	101.3 WVIL Virginia, IL	
1340 WTRC Elkhart, IN	1580 WBCP Urbana, IL		

**Relay:** 1) WLBK 1360, **Note:** \* denotes Bulls' list has old call WZPN. *The Bulls also list WAIK 1590 Galesburg IL as an affiliate; that station is no longer on the air.*

**LOS BULLS DE CHICAGO** Omar Ramos, Miguel Esparza, Web: [nba.com/bulls/](http://nba.com/bulls/)

**1200 WRTO Chicago, IL** only

**CLEVELAND CAVALIERS** Tim Alcorn, Jim Chones, Web: [nba.com/cavaliers/](http://nba.com/cavaliers/)

<b>AM</b>	1390 WNIO Youngstown, OH	1590 WAKR Akron, OH	100.9 WJAW-FM McConnellsville, OH
910 WLTP Marietta, OH	1430 WFOB Fostoria, OH	<b>FM</b>	101.3 W267CQ Marietta, OH (4)
930 WEOL Elyria, OH	1440 WRGB Ontario, OH	93.5 W228EL Akron, OH (1)	102.5 WZOO-FM Edgewood, OH
930 WRVC Huntington, WV	1450 WJER Dover, OH	94.1 W231BS Huntington, WV (2)	104.5 WQKT Wooster, OH
<b>1100 WTAM Cleveland, OH</b>	1450 WLEC Sandusky, OH	95.3 WLKR Norwalk, OH	106.7 W294CK Mansfield, OH (5)
1340 WCMI Ashland, KY	1460 WABQ Painesville, OH	96.7 WCSM-FM Celina, OH	<b>106.9 W295DE Cleveland, OH (6)</b>
1340 WIZE Springfield, OH	1480 WHBC Canton, OH	100.3 W262DM Elyria, OH (3)	
1350 WCHI Chillicothe, OH	1490 WMOA Marietta, OH	<b>100.7 WMMS Cleveland, OH</b>	
1350 WCSM Celina, OH	1490 WMRN Marion, OH		

**Relays:** 1) WAKR 1590, 2) WRVC 930, 3) WEOL 930, 4) WMOA 1490, 5) WRGM 1440, 6) WTAM 1100

**LOS CAVALIERS DE CLEVELAND** Rafael Hernandez Brito, Web: [nba.com/cavaliers/](http://nba.com/cavaliers/)

**87.7 WLFM-LP Cleveland, OH** only

**DETROIT PISTONS** Mark Champion, Rick Mahorn, Web: [nba.com/pistons/](http://nba.com/pistons/)

<b>AM</b>	1230 WCWA Toledo, OH	<b>FM</b>	100.9 WLUN Pinconning, MI
<b>950 WWJ Detroit, MI*</b>	1380 WPHM Port Huron, MI	96.1 WMAX Holland, MI	101.1 W266CS Traverse City, MI (2)
1090 WKBZ Muskegon, MI	1400 WCCY Houghton, MI	96.7 WRGZ Rogers City, MI	101.1 WGRY Roscommon, MI
1110 WJML Petoskey, MI	1400 WKNW Sault Sainte Marie, MI	<b>97.1 WXYT-FM/HD1 Detroit, MI</b>	101.9 W270CJ Jackson, MI (3)
1210 WJNL Kingsley, MI	1450 WIBM Jackson, MI	<b>97.1 WXYT-FM HD2 Detroit, MI*</b>	
1230 WTKG Grand Rapids, MI	1450 WNBY Newberry, MI	99.3 W257CZ Houghton, MI (1)	

**Relays:** 1) WCCY 1400, 2) WJNL 1210, 3) WIBM 1450, **Note:** \* denotes station carries games in case of a conflict with another sporting event on WXYT-FM/HD1

**INDIANA PACERS** Mark Boyle, Bobby "Slick" Leonard, Pat Boylan, Eddie White, Web: [nba.com/pacers/](http://nba.com/pacers/)

<b>AM</b>	1460 WJCP North Vernon, IN	94.3 WREB Greencastle, IN	106.5 WWBL Washington, IN
<b>1070 WFNI Indianapolis, IN</b>	1550 WLTJ New Castle, IN*	95.3 WNDI-FM Sullivan, IN	106.7 WYFX Mount Vernon, IN
1130 WAMB Brazil, IN	<b>FM</b>	96.7 WORX Madison, IN	106.7 WFGA Hicksville, OH
1340 WBIW Bedford, IN	92.7 WZBD Berne, IN	99.5 W258BA Terre Haute, IN (2)	<b>107.5 W298BB Indianapolis, IN (1)</b>
1340 WXFN Muncie, IN	<b>93.1 WIBC-HD2 Indianapolis, IN</b>	102.9 W275AJ Muncie, IN (3)	
1440 WPGW Portland, IN	<b>93.5 W228CX Indianapolis, IN (1)</b>	103.3 WAXL Santa Claus, IN	

**Relays:** 1) WFNI 1070, 2) WAMB 1130, 3) WXFN 1130, **Note:** \* denotes Pacers' list has slogan (and former call) WMDH

**MILWAUKEE BUCKS** No play-by-play personnel information available, Web: [nba.com/bucks/](http://nba.com/bucks/)

<b>AM</b>	1230 WCLO Janesville, WI	92.7 W224DE Janesville, WI (1)	103.5 W278AU Appleton, WI (6)
580 WKTY La Crosse, WI	1240 WJMC Rice Lake, WI	92.7 WDUX-FM Waupaca, WI	104.3 W282BU Prairie du Chien, WI
590 WJMS Ironwood, MI	1240 WOMT Manitowoc, WI	93.9 W230BU Rothschild, WI (2)	(7)
<b>620 WTMJ Milwaukee, WI</b>	1390 WRIG Schofield, WI	<b>94.5 WKTI-HD2 Milwaukee, WI</b>	106.3 W292DR Wrightstown, WI (6)
880 WMEQ Menomonie, WI	1440 WNFL Green Bay, WI	96.7 K244FM La Crosse, WI (3)	106.3 W292EG Eau Claire, WI (8)
940 WFAW Fort Atkinson, WI	1450 KFIZ Fond du Lac, WI	100.5 WTLX Monona, WI	106.3 W292FA Oshkosh, WI (6)
980 WPRE Prairie du Chien, WI	<b>FM</b>	101.9 W270AJ Green Bay, WI (4)	
1150 WHBY Kimberly, WI		<b>103.3 W277CV Milwaukee, WI (5)</b>	

**Relays:** 1) WCLO 1230, 2) WRIG 1390, 3) WKTY 980, 4) WNFL 1440, 5) WTMJ 620, 6) WHBY 1150, 7) WPRE 980, 8) WMEQ 880

That will wrap up another edition of SportChannels; in the next edition, station lists from the Southeast Division will be featured. 73 and play hard from NØUIH, the Florissant Valley Dial Twister.

## SPECIAL FEATURE – Two UK DX Sites compared (additional)

### Comparing Bursea to Clashmore – Andrew Brade (MWC)

Andrew provided the following map showing the location of the 2 DX sites he described last week.



Bursea East, Clashmore North



**2019-2020 IRCA DX CONTEST – Manager: Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923**

E-mail: NancyJohnson@prodigy.net

February 15 2020 – Contest Update

1. John C Johnson	299	4. Dennis Vroom	199	7. Phil Bytheway	74
2. Larry Van Horne	296	5. Tim Noonan	193	8. Peter Laws	66
3. Greg Hall	252	6. Nancy Johnson	84	9. Mike Sanburn	42

If you would like to enter the contest rules can be found in the August 17 2019 SDXM (Vol. 57 #1). The contest will end 2359 on May 31 2020 so there is still time to enter. New catches are guaranteed! – Nancy

### AM Radio Log 40<sup>th</sup> Edition (note updated prices for Foreign orders – pb)

The **NRC's AM Radio Log** is a source for information on AM Radio Stations in the United States and Canada. The 40<sup>th</sup> edition of the Log contains approximately 302 pages of data and cross references and 12 pages of instructions in 8-1/2" x 11" size, 3-hole punched, US loose leaf format. This publication fits nicely into a 1" three-ring binder. 10,000+ updates since last year's 39<sup>th</sup> Edition of the Log! Included is a cross reference by State/Province areas. Additional reference lists include call letters of FM simulcasts with the AM Stations listing, listings of regional groups of stations in the groups section (separate section of the log) and a cross reference of those stations that are licensed to use IBOC (In Band On Channel) digital audio and a comprehensive list of FM translators that are now simulcasting with AM broadcasters.

The **NRC/IRCA US Member Price** is \$28.95. Non Members in the USA is \$35.95. **Orders from Canada are US \$42.20 and Overseas orders are US \$54.15.**

You may order the 40<sup>th</sup> edition at [www.nationalradioclub.org](http://www.nationalradioclub.org) using Pay Pal or by snail mail check or money order to NRC HQ, PO Box 473251, Aurora CO 80047-3251.

Order from NRC, PO Box 473251, Aurora CO 80047-3251 or <http://www.nationalradioclub.org>. Colorado residents, please add 3.5% sales tax. **Please state club affiliation when ordering.**

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 a joining fee)  
Worldwide \$0 (subsequent years – ie renewal)

**Make checks and Money Orders in US funds payable to IRCA**  
All dues and address changes go to: IRCA, PO Box 60241, Lafayette LA 70596

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For information on **subscribing to the IRCA mailing list** at Groups.io, a group Email service, contact the moderator, Lynn Hollerman at [lynnhollerman@yahoo.com](mailto:lynnhollerman@yahoo.com).

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**This is a non-paid plug for DX Logging Software published by Bob's request. IRCA does not endorse this SW having not tried it!**

Email: [bobraymond@dxxtreme.com](mailto:bobraymond@dxxtreme.com)  
Phone: 6038884973

I'm pleased to announce that the latest version of our logging software for radio and TV monitoring enthusiasts is now available: DXtreme Monitor Log 12. Here's our new product announcement.  
73, Bob

### **DXtreme Monitor Log 12™**

DXtreme Software™ has released a new version of its popular logging program for radio monitoring enthusiasts – DXtreme Monitor Log 12 – which lets listeners and DXers log the stations they've heard using features that enhance their monitoring experiences.

#### **User's Choice of Country Formats**

When starting Monitor Log 12 the first time as a new user – or when creating a new secondary database – users can select the country format they want to use: NASWA Countries or ARRL Entities. Country information is fully editable when changes occur.

#### **Finding Broadcast Stations to Monitor**

The Schedule Checker lets users import schedules from Aoki, EiBi, and FCC AM web sites and display schedule data according to the filter criteria they specify. A list box lets users switch between schedule types. And users can filter schedule information by band, frequency, station, country, time of day, language, and more.

When the What's On Now? function is activated, the schedule refreshes automatically at the top of each hour for Aoki and EiBi schedules.

For each schedule item, Schedule Checker queries the Monitor Log 12 database to let users know – through user-defined, foreground and background display colors – whether they need to monitor a station for a brand-new or verified country. Schedule Checker also displays bearing and distance, runs optional Afreet Ham CAP propagation predictions, draws optional Afreet DX Atlas azimuth plots, tunes supported radios to schedule frequencies when users double-click schedule items, and starts log entries for scheduled stations monitored.

#### **Finding Amateur Radio Stations to Monitor**

Monitor Log 12 integrates with optional Afreet Band Master to let users see, on its graphical interface, where hams are operating. Monitor Log 12 supplies Band Master with an Entity Needed List based on the user's Monitor Log database, making it possible for Band Master to indicate the stations whose entities (countries) users need to monitor.

#### **Finding Utility Stations to Monitor**

A Links menu provides convenient access to user-specified blogs and web sites that can inform users as to where utility and other stations may be operating.

#### **Logging Stations**

Monitor Log 12 lets users log all kinds of stations – radio, television, broadcast, Amateur Radio, utility, military, and more! And it lets users log stations across the radio spectrum – from long wave, to medium wave, to short wave, and beyond. Users can also select the display of kHz or MHz frequencies.

The Last Log Entries Grid on the Monitor Log window shows up to 5000 of the most recent log entries added. Its records can be sorted, and double-clicking records displays detailed data on the Monitor Log window. Users can resize the grid columns and scroll horizontally to columns that do not appear initially. Users can also display a larger, resizable Last Log Entries window. A Properties window lets users change the order of columns, the number of log entries to display, and the font and color attributes of grids and other program components, such as: Content Tabs for describing the content monitored, Script Editor for creating and editing scripts, Direct Tune interface for tuning radios, and Comments for typing ad hoc comments.

#### **Reporting Reception**

Users can create customized paper and e-mail reception reports for sending to stations plus club report entries for reporting catches to clubs and magazines.

When users add or display a log entry, Monitor Log 12 prepares a post announcing their DX catch and displays it on the Social Media Post tab. From there, users can drag the post to their favorite social media web sites to share their catch with others.

Using the Script Editor window, users can create and edit scripts that format reception reports, eReports, and social media posts to their liking. The software prompts users to select the script they want to use. Dozens of scripts come with Monitor Log 12.

Users can also print SWL and Address labels on industry-standard label stock, and send eQSL requests to hams automatically via the popular <https://www.eqsl.cc> site.

#### **Imaging**

Improv Imaging lets users associate ad hoc images with log entries using Capture, Scan, and Clipboard functions. Captures of stations received on digital applications, waterfall displays, facsimile and Amateur TV pictures are popular. The Improv Imaging tab and Application let users view images anytime, and an Improv Image Explorer lets them peruse their entire collection and display associated log entries. A QSL Imaging facility functions the same as Improv Imaging for associating QSLs.

#### **Other Features**

Rig Control – Retrieves the frequency and mode from supported radios and permits tuning from the Schedule Checker and Direct Tune interface. Rig control is provided through integration with Afreet Omni-Rig and SDR applications like HDSDR, SDR Console, and SDRUno.

Audio Archiving – Lets users maintain an audio archive of stations heard.

Reporting and Searching – Produces Performance, Stations, and Log Entry reports that track the performance and progress of the user's monitoring station in its entirety. The software lets users tailor the appearance of reports plus FTP them to user-provided Web space for remote access and sharing. Reports can integrate with Afreet DX Atlas to create pin maps. Searches allow access to all monitoring data in a variety of formats.

ADIF Import – Lets users import ADIF-formatted log entries into their database.

eQSL.cc Inbox Update – Updates user's database with eQSL.cc Inbox verifications.

Documentation – Context-sensitive Procedural Help, Field Help, and Microhelp are accessible per window to provide instructions quickly. A web-based Information Center is accessible from the Help menu for late-breaking assistance, and Installation Instructions and a Getting Started Guide are delivered in PDF format with the software.

#### **Operating Systems, Pricing, Contact Information**

DXtreme Monitor Log 12 runs in 32- and 64-bit versions of Microsoft® Windows® 10, 8.1, 8, 7, Vista®, and XP. It retails for \$94.99 USD worldwide for electronic distribution. Pricing for CD versions and upgrading users is available on our Web site. All prices include product support by Internet e-mail. For more information, visit DXtreme on the Web ([dxxtreme.com](http://dxxtreme.com))