



DX MONITOR

The official publication of the
International Radio Club of America

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IRCA welcomes: **Pete Giacomelli** in West Babylon NY. Seattle deadline for our next issue (V57_N18) is **Monday 12/30/19** 1600 PLT – pb

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2020 Convention

The 2020 IRCA/Decalomania 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>



Jim Albrecht

I learned of the passing of a former IRCA member yesterday and am sure those who have been in a hobby a long time will remember him. **Jim Albrecht**, a veteran AM DXer from Milwaukee, passed away on December 16, aged 77. **Tim Noonan**

WRTH 2020 pricing Update (Jon Pearkins)

There are several ways to buy WRTH 2020 on-line. Price and availability can change without notice, as you will see if you check last issue's information, but here is the situation as of December 21st, for delivery to US and Canadian addresses. Books being shipped from other countries are noted, eg – "from England", mainly to indicate slower delivery than Domestic, but also to make you aware of the very low risk that Import Fees could be charged.

To USA – All prices converted to U.S. dollars.

Amazon.com (seller Book Depository US) – \$38.08 with free delivery from England.

BookDepository.com – \$38.38 with free delivery from England.

Amazon.co.uk (seller Book Depository) – \$39.36 including delivery from England.

To Canada – All prices converted to Canadian dollars.

BookDepository.com – \$50.51 with free delivery from England.

Amazon.co.uk (Amazon seller Book Depository) – \$51.78 including delivery from England.

wrth.com – \$59.87 + \$5.13 delivery from England.

wrth.com – \$45.51 + \$3.90 delivery from England.

Amazon.com – temporarily out of stock; \$49.95 with free delivery.

universal-radio.com – \$44.95 + \$6.95 shipping/insurance.

Amazon.com (Amazon seller Book Depository US) – \$67.55 including delivery.

Amazon.com (Amazon themselves) – temporarily out of stock; \$79.75 including delivery and partially refundable import fee deposit. From US.

Amazon.ca – not available.



IRCA PRESIDENT – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98115
Email: portzerbt@gmail.com

Recent Action by the IRCA Board of Directors:

The Board recently voted on the following proposals. All the proposals passed. Phil Bytheway abstained, all other Board members voted to approve.

29.1.26 Approve the 2020 Anaheim convention bid submitted by Mike Sanburn.

29.1.27 Post Foreign Log .PDFs (V3-12) in the members-only section on the club's web site, with yearly updates (in September). Submitted by Phil Bytheway, as were the other proposals listed below.

29.1.28 Post WDXF/CDXF/EDXF compilation .PDFs in the members-only section on the club's web site, with yearly updates (in September).

29.1.29 Post IRCA reprints (contents of the Reprint CD) .PDFs in the members-only section on the club's web site.

29.1.30 Post back issues of DXM (contents of the DXM DVDs) .PDF in the members-only section on the club's web site. (Note: right now this includes all but the last 2 year's worth, ie V1-54). Subsequent years being posted in September (ie V55 would be posted in September 2020 – ie the start of V58).

29.1.31 Purchase a .PDF editor program (Acrobat – \$160.00, PDF pro 10 – \$50.00, others available) for Phil Bytheway to use to create reprint masters from previous DXMs. (NOTE: The reprint updater .PDF includes the DXM issue containing the article, so perhaps making masters may not be needed – so far no one has asked for a DXM .PDF based upon the Updater list!)

It's official – our next convention will be in Anaheim. While you're waiting for it to happen, check out the added material on the IRCA website. **Bruce**

(All the above have been posted on the IRCA web site's members section – pb)



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

WDXR DEADLINES: Thursdays: Dec. 26, Jan. 2, Jan. 9, Jan. 16, Jan. 23, Jan 30, Feb. 6, Feb. 13, Feb. 27. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

(RB) **Rick Barton**-9444 W Newport-Sun City AZ 85351 desertmoon_dxshack@inbox.com
County Comm GP-5/SSB generation 1, Panasonic RF-2200

(GH) **Glen Hansen**-64985 Olson Road-Deer Island OR 97054 gbhansen2@outlook.com
JRC NRD 545, Hammarlund HQ 180, R-390A, various longwires, Kiwa loop

(JP) **Jon Pearkins**-Edmonton AB jon@pearkins.com
Sangean PR-D15 on batteries with 200mm internal antenna

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

- 780 KKOH **NV**, Reno 12/13 0715 "KKOH Weather" over/under the channel jumble. (RB-AZ)
 810 KGO **CA**, San Francisco 12/13 1034 traffic report to local weather, good on Ultralight way after local sunrise. (RB-AZ)
 930 KBAI **WA**, Bellingham 12/11 1645 oldies whirling around in a 3-way jumble using HQ-180 and E-W wire. Heard man give ID. Weak! (GH-OR)
 940 KFIG **CA**, Fresno 12/11 1900 ad for Patterson Equipment into a basketball game of some sort, abrupt fade down. Fair to poor on HQ-180 and Kiwa. (GH-OR)
 1160 KSL **UT**, Salt Lake City 12/14 1730 local ad spots, news update "KSL News," mid-afternoon here. (RB-AZ)
 1170 KYET **AZ**, Golden Valley 12/15 1200 ID, song "Southern Nights." Normally heard by me just at sunset and sunrise, really strong here late in morning. 160 miles, 6kw. (RB-AZ)
 KCBQ **CA**, San Diego 12/13 1100 ID and news after ad spot for the Del Mar gun show. Strong well after local daybreak. (RB-AZ)
 ?KLOK? **CA**, San Jose 12/13 1105 a woman presenter (Hindi), ethnic Bollywood and World Beat music, which mercifully buried Mike Gallagher. Heard on Ultralight GP-5/SSB Generation 1. KLOK about the only one that makes sense now this far after local dawn. (RB-AZ)
 1210 KGYN **OK**, Guyton 12/17 0200 ID heard through jumble of KPRZ, KHKR and KHAT. (MS-CA)
 1220 KDOW **CA**, Palo Alto 11/30 2000 financial talk show, male gave ID at ToH. Weak and choppy above the pack on HQ-180 and Kiwa. Seldom heard. (GH-OR)
 KSLM **OR**, Salem 12/17 0035 "104.3 KSLM" ID between talk programming, nulling a stronger than usual CJRB's classical music. (JP-AB)
 1230 KWYZ **WA**, Everett 12/5 0000 legal ID in English, then back into Korean programming. Weak and choppy, barely on top on HQ-180 and Kiwa. (GH-OR)
 1250 KHIL **AZ**, Willcox 12/16 1200 with country music to ID by man "12-50 K-Hill Country," string of local ad spots sealed the deal on the ID for me. Well after local daybreak, strong S-9 local like signal on RF-2200. (RB-AZ)
 KNEU **UT**, Roosevelt 12/15 1715 country music to ID by man "Real Country, FM 93 point 5 and AM 12-50, KNEU." Mid-afternoon locally, strong on RF-2200. (RB-AZ)
 1260 KPOW **WY**, Powell 12/17 2100 break from Lars Larson Show to ID, network news. (RB-AZ)
 1300 KCMY **NV**, Carson City 12/9 0100 man with legal ID, Country music. Weak but alone on HQ-180 and Kiwa. No sign of KKOL which usually dominates. (GH-OR)
 1320 KGDC **WA**, Walla Walla 12/16 1800 male gave ID into Fox news, ad for Quicken Loans. Weak but on top for a moment. (GH-OR)
 1330 KGAK **NM**, Gallup 12/15 1230 long talk by woman in Navajo to tom-toms and chanting at 1245. Local ad spots at 1247 and ID by jingle at 1250. Strong and steady, nearing 11 am local. (RB-AZ)
 1340 KKBL **CA**, Fresno 12/16 0900 spot for Fisher Investments, ID mentioned "Fox Sports Radio Fresno." (MS-CA)
 1350 KTIK **ID**, Nampa 12/16 1755 Monday Night Football preview show. Many "The Ticket" IDs. Weak but perceptible on JRC and Kiwa loop. (GH-OR)
 1680 KGED **CA**, Fresno 12/16 1300 man "Talkradio 16-80, KGED." Heard above the late morning static (11 am for me). Heard on RF-2200 on the backyard picnic table. My 2200 will tune slightly off-band and go all the way to 1680, just a cupla channels short of full X-band coverage. (RB-AZ)
 1690 ?KFSG? **CA**, Roseville 12/17 0039-0044 undoubtedly the Spanish vocals of familiar adult standards like "Sway," pretty much alone with traces of KDMT. (JP-AB)

Please remember that WDXR deadlines have been moved to **Thursday**. Merry Christmas and Happy Holidays to everyone! – Nancy 12/20 1400



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 N0UIHEric@gmail.com
 CountyComm GP-5/SSB Gen 3 Ultralight receiver, Grundig AN-200 tunable loop, Yaesu FRG-7, Worcester Space Magnet II
 [GH-IL] **Gregory Harris** wdx8khy@sbcglobal.net
 FRG-100, Quantum Loop

DOWN THE DIAL

- 570 WNAX **SD**, Yankton. 12/15 fair signal over other stations. 0355 noted with C2C, gun safety PSA, SD/NE ads, "WNAX Yankton" legal ID, CST time check at 0400 into CBS News. [EB-MO]
 600 CFCO **ON**, Chatham-Kent. 12/15 briefly strong then gone. 2200 with "CFCO Thanks for listening" ID by male announcer. [GH-IL]
 660 WFAN **NY**, New York. 12/15 fair signal with ACI from WSCR 670. 0538 noted with local spots, EST time check into sports update. [EB-MO]
 710 KCMO **MO**, Kansas City. 12/17 fair signal, at equal strength with WOR. 0431 noted with weather forecast from KCTV 5, "KCMO" ID, promo and local spots. Apparently on day power/pattern. [EB-MO]
 790 WNIS **VA**, Norfolk. 12/17 fair, then lost to noise. 0201 with Fox News, local spots and "...here on WNIS" ID by male announcer. [GH-IL]
 810 WSJC **MS**, Magee. 12/16 good to poor signal, mixing with WGY, WHB. 1947 noted with Christian teaching program, "WSJC Magee, Yazoo City" legal ID at 2000, license renewal application announcement. [EB-MO]
 920 CHNX **ON**, Wingham. 12/16 fair to poor through KARN. 0549 with Country music news, "CKNX" ID, Web site mention into Country format. [EB-MO]
 1070 WCSZ **SC**, Sans Souci. 12/17 fair to poor signal, mixing with WEKT, WFNI and other stations. 2227 noted with local spots in Spanish. [EB-MO]
 WEKT **KY**, Elkton. 12/17 fair to poor signal, mixing with WCSZ, WFNI and other stations. 2228 noted with Southern Gospel format, "WEKT" ID. [EB-MO]
 1470 KLCL **LA**, Lake Charles. 12/15 fair signal over WMBD. 0431 noted with morning show promo, "The all-new Magic 1470" ID into Urban Adult Contemporary format. [EB-MO]
 1600 KMDO **KS**, Fort Scott. 12/15 surfaced briefly out of interference, then gone. 2203 with "Country with attitude... KMDO." [GH-IL]

FLASHBACK

50 Years Ago – December 27 1969 issue of "DX Monitor" ... There were 14 stations listed for DX Tests on Monday Morning 12/29 ... **Thomas R Sundstrom** of Willingboro NJ logged Radio Anguilla for country #49 ... **Jerry L Smith** of Longview TX logged two new states, WBZ and KTWO to bring his total to 28 states ... **Rick Evans** of Gary IN mentioned DX was slowing down due to his taking a traffic course designed to make him a traffic manager ... **Bill Peek** of Roanoke VA logged 21 new stations on 12/8. // **25 Years Ago – December 24 1994** issue of "DX Monitor" ... **Paul A LaFreniere** of Grand Marais MN discussed the changes in the broadcast band over the last 20 years ... **Tom Bryant** of Nashville TN said he has been Production Manager at WSM 650 since 1970 ... **Patrick Martin** of Seaside OR wondered which stations would be first to move to the Expanded Band ... **Karl V Jeter** of Lawrenceville GA told about the new addition to their family, Aaron Lee Jeter.

OPEN MIKE

Eric Bueneman sends this along... "In a previous report, I mentioned receiving CFNV 940 Montreal QC on December 8. However, I've been told that the station has been off for over a month due to windstorm damage. I did hear XEQ on 940 from Mexico City, which was doing the same thing in Spanish. So, that's what I heard... not CFNV." Thanks Eric. This brings up the good rule to listen for actual IDs before counting loggings. Thanks to Eric and Gregory for reporting this week. Nancy and I wish you a very Merry Christmas and Happy New Year 2020. This column was typed 12-19-19. 73, John





EASTERN DX ROUNDUP – Eric Bueneman (NØUIH) – 631 Coachway Lane – Hazelwood MO 63042-1347
 Email: n0uiheric@gmail.com
 DEADLINES: Friday 2359 ELT

TUNING THE DIALS THIS ISSUE:

(PS-ON) **Paul Snider**, London ON, Canada paulisnider@yahoo.ca
 Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner

ACROSS THE DIAL

- 730 WDOS **NY**, Oneonta – 12/15 2221 noted with a Sports Talk format; a definite “WDOS” ID at 2223. A poor to very poor signal was noted, mixing with CKDM and WLIL. (PS-ON)
- 940 WMAC **GA**, Macon – 12/18 2200 noted with news, ads, weather forecast mentioning “WMAC” into *The Kim Komando Show*. A briefly fair to very poor signal was noted, mixing with XEQ; first time heard in London. (PS-ON)
- 1210 WUFE **TN**, Static – 12/17 2313 on after sunset with Christian music and teaching with a male preacher in Spanish. No ID noted; confirmed via the Tune-In Web stream of WYXE 1130 Gallatin TN (Radio Vida). An occasionally fair to very poor signal over WPHT. (PS-ON)
- 1280 WHVR **PA**, Hanover – 12/18 2230 noted with assorted Christmas tunes, “Happy 95.3 and 1280” slogan at 2258. A poor to very poor signal was noted, mixing with other stations; first time heard in London. (PS-ON)
- 1410 WHLN **KY**, Harlan – 12/18 0041 noted with Adult Contemporary format featuring a tune by Sugar Ray, “1410 WHLN” ID at 0044. A fair to very poor signal was noted, mixing with WING; first time noted in London. (PS-ON)

EDITOR’S NOTES

Thanks to Paul for his logs this week. Merry Christmas, Happy Hanukkah, Happy Kwanzaa and Happy Boxing Day to all in DX-Land! 73 and good DX from NØUIH, the Florissant Valley Dial Twister.



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

AUSTRALIA: I sent Al Kirton (general manager 4KZ) an Email about our reception of 4KZ at Poipu Beach which was doing the overnight relay of “Wake up Australia” program from 4BC. He actually sent me a QSL card of the reception. (Find attached photo). Incidentally he informed me that 4KZ 1620 is to shut down on December 31st. He cited the reasons, too few listeners to justify license fees of \$900 AUD a month, and too high of a frequency choice. I see power is listed on the card at 500w. Still a great catch by us, and we got it just in time before it went off the air. (**Chris Rogers** via **Gary DeBock** IRCA groups.io 20 December)

The seven frequencies which will continue to transmit Rete Italia programs are:

Victoria: Melbourne 1593 AM; Shepparton 629 AM; Swan Hill 87.6 FM; Wangaratta 1620 AM.

New South Wales: Sydney 1539 AM.

Queensland: Brisbane 1620 AM; Sunshine Coast 1620 AM.

This a painful decision made by the Board of Directors, but a necessary one to safeguard the future of the company, which this year celebrates the 60th anniversary of the foundation of Il Globo and the 72nd birthday of La Fiamma. Finally, it must be remembered and acknowledged that for 25 years, Rete Italia has broadcast Italian-language programs in every state across. (**Chris Rogers**, DXLD 19.10.2019)

2XL-918 switched to FM today. Gone from AM!

(**Chris Mackerell**, Facebook, 16 December) The station’s website 2xl.com.au has no mention of AM now, just FM. bp)

COOK ISLANDS: Here is a street view picture of the mast carrying the reactivated 630 transmission via the old 1kw standby transmitter. It’s at Black Rock. Only one mast can be seen but the ‘T’ part of the aerial can be clearly seen. https://www.google.co.nz/maps/@-21.2072196,-159.8218942,3a,15y,172.58h,114.58t/data=!3m7!1e1!3m5!1sAF1QipMZEJQctbawlltco_fQim8wEg3VqZpqqm2hHdC!2e10!3e11!7i11000!8i5500 (**Paul Rawdon** via MW Masts Io Group)

GUAM: KUSG 1350 and KVOG 1530 in Agaña both went silent on 18 October due legal problems with transmitter site. (NRC) They’ve both been silent most of the time for the past couple of years (bp)

MALDIVES: 1449 Sarath Weerakoon from Union of Asian DXers – informs the start of new and upgraded MW transmitter of Voice of the Maldives. Finally, after the long wait, Dhivehi Raajjeyege Adu (Voice of Maldives) 1449 is planning to resume AM broadcasts on 29 December 2019 from its brand new 25 kW Nautel transmitter and the antenna field installed at Thilafushi island, 7 km from Male, the Maldivian capital city. RFS engineers from Nautel are currently in Thilafushi working on the final phase of installation, to go on the air to celebrate the 57th anniversary of Dhivehi Raajjeyege Adu. Radio broadcasting in the Maldives began on 29 December 1962 under the name Male Radio. The upgrading of broadcasting facilities has been financed under a grant from the Japanese government. (**Christoph Ratzer** A-DX 12.12.2019)

NEW ZEALAND: Super DX sleuth Theo Donnelly has done it again! Having suspicions about the status of MediaWorks synchro twins on 1107, he has received confirmation from Broadcast Engineer John McCallum that there is 5kw at Maketu and normally 3 kw at Hinemoa Point (Rotorua Ed) but the latter has died and is currently “sitting in our workshop waiting parts with a fix a work-in-progress as we are not yet certain of the fault or its cause. It wasn’t a fault we felt we could fix on site so bought it back to Auckland, approximately 200Kg of it!” (NZDXT December 2019)

Slightly off the MWBC topic, but all Kiwi X-Band DXers will be aware of this ‘station’ on the X-Band: Member Svenn Martinsen advises of a rare reception from New Zealand’s non-directional radio beacon TM Taumarunui on AM 1630 in Norway! Reception occurred on the Arctic SDR on 21 November between 1255 and 1404, a distance of 15974 kms! The signal was mostly unintelligible and very weak, indeed with only a few minor peaks. Absolutely marginal. There was slight interference from Australian stations on 1629. My report was verified after 10 hours by David, of the Civil Aviation Authority of New Zealand. He says: “I can confirm that 1630 is indeed the Taumarunui NDB, and the Morse on your recording is correct for this navaid. It is a 50W transmitter” (via DXing.info Facebook page)

TAJIKISTAN: Persian IRAN INTERNATIONAL TV audio relay via 1395 Yerevan Gavar site, 24 hours around the clock, and another mediumwave entry since Tue November 26 also put into RMS log file via (probably Ajlun Jordan) on mediumwave 801 at 1404. Formerly powerhouse 1000/2000 kW units location, but were laid up/mothballed in past years though. (**Wolfgang Bueschel**, WOR groups.io (2/12-2019)

Isn’t there any spare capacity at Orzu/Tajikistan for 801? (**Jari Savolainen**, WOR groups.io 2/12-2019)

According to USAGM RMS, relay station is OR= Orzu/Tajikistan. (**Ivo Ivanov**, WOR groups.io 2/12-2019)

TURKMENISTAN: One more station apparently off the air today: 279 kHz Turkmenistan. They’ve always had issues with the quality of the modulation but during the last few days I’ve noticed they had almost no modulation at all (but good carrier lever at my QTH), so maybe they’re working on repairing that transmitter. (**Tudor Vedeanu** ROM via WRTH fb group 3/12-2019)

VANUATU: Thought some might be interested in this, especially the overseas DX guys. A new station coming online 18th December. It’s not very often there’s a new one, so I think I will have a listen for this one. Below is a snippet from the original article. And below that is the operational times and freqs. “Vanuatu Broadcasting the Television Corporation (VBTC) will be launching its new shortwave radio service on December 18 with the installation of a new transmitter currently taking place.” This has been confirmed by VBTC’s Chief Executive Officer Mr Francis Herman.

Medium wave 1125, Short wave daytime 7260 kHz, Short wave night 3945 kHz. And for those close enough, 100 MHz Vila and Santo 98 MHz Tana and Santo This info from Nigel ZL1NAY (**Tony Magon** VK2IC, mediumwave.info12/12-2019)

With all the bad news of exotic Pacific island DX stations leaving the air, here is some good news. Australian DXpedition buddy Chris Rogers informed me today that the new 10 kW transmitter on Vanuatu has started operating, as well as a new 10 kW shortwave transmitter. Pasted from his Email: “Some station news, Radio Vanuatu have just commissioned a new 10kw shortwave transmitter and a new 10kw medium wave transmitter on 1125, so that is something to look out for at your next DX trip. They are both on the air now. Here is the old news article. https://dailypost.vu/news/radio-vanuatu-capital-development-work-begins/article_1e46ba0a-de4e-11e9-a91a-6f6c2ab179f3.html” (**Gary DeBock** IRCA groups.io 20 December)

EUROPE, AFRICA, AND THE MIDDLE EAST

ALGERIA: Chaîne 1, Algeria has been activated again on 891 and is a very strong signal here in the UK. It is just sending a 1 kHz continuous tone at this time, and was heard throughout the evening of 17th December with a very loud modulated tone. Though when playing the station it is much quieter.

(**Dave Angell** mediumwave.info 18/12-2019)

After the test tone, CHAÎNE 1 is installed on 891 Ouled Fayet. The power maybe 600 kW. (**Amine Ferhane** mediumwave.info 21/12-2019)

Radio Bechar Algeria starts today on 576 with 400kw, after 4 to 5 days of testing. (**Amine Ferhane**, ALG mediumwave.info 29/11-2019)

576 Radio Algérienne, Bèchar with its new 400 kW transmitter. The station has been testing during a week with test tone, but is now running programs in Arabic and French. (Iberia DX Group 27.11.2019 via Arctic)

ARMENIA: 1350 another programme with target area Middle East is now using the Gavar/Noratus site in Armenia. While Iran International (TV audio) can still be found on 1395 since weeks almost 24/7, the Arabic language outlet of Trans World Radio has begun to broadcast via 1350 AM from Armenia just recently. Their religious shows are aired via this new frequency until late at night (at least from 2100-0100 or so) from a directional antenna towards Middle East. An image at the top of their website <http://www.arabicprograms.org/main.php> is announcing 1350 as new reception possibility. Before, closure of this frequency was at 1915 with the ending of the Hebrew and English program. I am wondering: Does this new offer for people speaking the Arabic language has something to do with the switch-off at 1233 Cape Greco site, Cyprus earlier this year? However, this helps to improve the reception of the Arabic TWR outlet in that region. ("Robert" via Ydun's Medium Wave Info 12.12.2019)

According to an updated list, broadcasting time of the Arabic programs on AM 1350 [TWR Gavar] for Middle East is from 1930 until 2155. They also transmit "Dardasha" which can be heard on BVB via shortwave too. (**Robert D**, mediumwave.info 16/12-2019)

AUSTRIA: 1476. The ex-DJ by ORF Reinhard Pirnbacher plans to start a nostalgic radio-station in Salzkammergut. The power is planned to 400 watts and the language will be German. Reinhard has made a market investigation for an "Old Time Radio" in the area. The name: "Museumradio 1476" The distinguishing features of the radio system and a general leaflet are available for download on the website <https://www.rtr.at> or will be sent on request. Google translation of <https://www.rtr.at/de/m/KOA119519003> (**Dr Hansjörg Biener** via Ydun's Medium Wave Info 6.12.2019)

BENIN: TWR Africa was heard testing their new 1476 frequency with power of 35 kw in early November. The antenna beam is understood to be targeting Nigeria. (**Mauno Ritola** via Real DX io Group)

CYPRUS: High-power masts at Cavo Greco will be removed early next year following pressure from local authorities, the Ayia Napa municipality said. Removal of the masts had been a long-standing demand because of the risks to the health of the residents and the environment, the municipality said. The transmitters were used by the United States Broadcasting Board of Governors and the French organization Somera. Both organizations have decided to terminate their broadcasts by the end of January 2020. Neither broadcaster would seek to relocate elsewhere on the island. "The Ayia Napa mayor and council feel particularly satisfied and relieved that the high-power radio transmitters installed at Cavo Greco and used to broadcast to the Middle East will become a thing of the past," a written statement said. The risks to public health were confirmed by studies, which found that the antennae emitted electromagnetic energy that was 113 times above permitted levels, the municipality said. After the removal of the installations, the area will be accessible to the public, contributing to the municipality's efforts to turn into a green local authority, fully harmonized with the green city philosophy applied in large European cities. (**Steve Whitt**, mwcircle)

DENMARK: For the first time since June 1978 Copenhagen now has a MW station. And unlike back then – it is now a private run radio station: Radio 208 from Copenhagen went on the air December 18 at 1750 with 300 W. The license is for 500 W and power may be raised to 500 W in January 2020. Radio 208 is using an old CCA 1 kW transmitter from 1974 and a 2x50 m dipole from a transmitter site in Ishøj, Copenhagen. There is also a standby transmitter (which was used for a 24h test prior to the launch) – a Bulgarian/Greek 75 W RFCOM unit. A printed QSL card is available for reports to Radio208, PO Box 112, DK-8960 Randers SØ, Denmark. Please enclose return postage (IRC, GBP, USD, DKK or Euros). An eQSL may be obtained by sending a reception report to: mail@radio208.dk Website: www.radio208.dk (**Stig Hartvig Nielsen**, mwcircle 18 December)

FRANCE: It's not clear but it seems, that Europe 1 will leave the 183 kHz LW, on December 31st. Transmitter will be closed....

(**Christian Ghibaudo** mediumwave.info 10/12-2019)

IRELAND: 252 RTÉ is going to spend €250,000 per year transmitting its Radio One station to the Irish diaspora in Britain – while closing down all its digital stations. The station is shutting down RTÉ Gold, RTE Junior, and RTÉ 2XM, RTÉ Pulse and RTÉ Radio 1 Extra, but would not specify how much this will save. However, it has confirmed that it is going to continue its Longwave radio service (252 kHz) to the Irish diaspora in Britain up to 2022. <https://www.businesspost.ie/news/rte-continue-spending-e250k-year-longwave-radio-service-axed-457245> (**Mike Terry** via WOR groups.17.11.2019)

ITALY: 774 Radio Zai.net, Milan is on air, no more Radio Città del Capo. They both belong to NetLit Media Literacy Group: <http://www.netlit.eu/> See: <https://playdxblog.blogspot.com/2019/12/mw-new-radio-zainet-774-in-milan-plus.html> (**Giampiero Bernardini** via Ydun's Medium Wave Info 13.12.2019)

JORDAN: 801 Iran International TV audio relay is probably relayed via Ajlun 1400-0400. Formerly a powerhouse with 1000/500 kW, but were layed up/mothballed in past years though. (**Wolfgang Büschel** via Ydun's Medium Wave Info 2.12.2019)

LITHUANIA: Rimantas Pleikys answered a question about broadcasting: "Here is our schedule on 1386 until December 31(times are in UTC):

0330-0400 NHK World Japan, Russian;

0400-0500 Radio Poland, Belarusian;

1400-1430 Radio Poland, Russian;

1630-1700 Radio Poland, Polish;

1730-1800 NHK World Japan, Russian;

1800-2100 Radio Free Europe/Radio Liberty, Russian. (**Dmitry Elagin** "deneb-radio-dx" via RUS-DX)

Starting in the New Year, listeners will be able to tune in to Radio Poland's English Service through a new rebroadcasting arrangement on 1386. Broadcasts will be available from 1300 to 1400 (1400 to 1500 CET) seven days a week as of January 1 2020. They will be aired from a transmitter operated by Radio Baltic Waves at Viešintos, Anykščiai in Lithuania. We trust this new initiative will further expand listening opportunities for our audiences. <https://www.polskieradio.pl/395/7789/Artykul/2425359,Radio-Poland-expands-coverage> (**Mike Terry** WOR, 21 December 19)

LUXEMBURG: Radio Luxemburg – there is a free 124 page book (rather modestly described as a brochure) on the history of the RTL Group which can be downloaded at <http://www.rtlgroup.com/alwaysclosetotheaudience/history.html> (**Richard Gedye**, mwcircle via DXLD)

NORWAY: 1611 Radio Northern Star from Bergen. "Our CE has done a preliminary check to our equipment and so far it seems clear that our new 1611 transmitter has been put out of action because of a strong lightning strike this morning. This indicates we will be off the air on that channel for quite some time. Other channels continue as normal. More information as we get it!" (Northern Star Media Services FB group 12.12.2019)

NRK's LW transmitter 153 kHz in Ingøy will shut down for good tomorrow Sunday December 1 at 2259.59 after having been on air in 18 years. NRK is interested in as many reports as possible of this last transmission and therefore they will issue a special "Last Day Transmission" QSL card. Reception reports can be sent to NRK Publikumsservice – Phone +47 23 04 70 00 – Email info@nrk.no NRK Finnmark – Phone +47 78 44 42 00 – Email finnmark@nrk.no (**Svenn Martinsen** in DX-LISTENERS's CLUB fb group 30/11-2019)

SWEDEN: The only LPAM station in Sweden "The Asphalt Telegraph" is back on the air. Now we have a license again, now at Europe's best mediumwave frequency, 1494, with no stations at all on the air in EU when Radio Moldova is off air between 2000-0355 when they open again.

Some DX also on 1494: Iran, Taybad 10 kW, China, 14 Relay stations up to 10 kW, Philippines, Quezon City, 10 kW, Two 14-day licenses are issued by The Swedish Press and Broadcasting Authority and The Swedish Post and Telecom Authority (PTS) from: 25th of November – 8th of December 2019 and 23rd of December 2019 to 5th of January 2020. This is the most noise-free frequency in all of Europe, so there is a chance that our 300 watts can reach the state side! We have noted signals from our station on a web-SDR receiver in eastern Iceland: <http://r.utvarp.com/> with really good signal strength around 0100 so there is a chance to log the Asphalt Telegraph on the state side!!! Reception reports are welcome at 1494khz@gmail.com (The Asphalt Telegraph broadcasting team mediumwave.info 26/11-2019)

UKRAINE: As well as having broadcasting time shared on some Ukrainian Radio domestic frequencies, Radio Krym Realii (Crimea Realities) now has a dedicated mediumwave facility at Chongar in southern Ukraine, radiating round-the-clock on new 648. Programming is in Ukrainian, Russian and Crimean Tatar and I hear it with fair or good reception via a remote web SDR in central Ukraine. So far I've only observed their dedicated FM frequency 105.9 MHz announced on air. Radio Krym Realii is a project of Radio Free Europe/Radio Liberty and also has a live stream on their website at <http://krymr.com> (**David Kernick**, Interval Signals Online 30.12.2019)

UNITED KINGDOM: One of Premier Christian Radio's transmitters has been off-air since July 2019 after the building supplying its power was demolished. Ofcom has therefore found the station in breach of not providing a service in accordance with its Format. The radio station said that a number of factors outside of its control was preventing it from resuming transmission at the Bow site, which provides programs on 1332. It said it was notified by its telemetry system that the site went offline in July 2019 and attended the site immediately to investigate. It found that the company which had provided the power supply to the site had demolished the building that had supplied the power without notice to Premier Christian Communications. The provider subsequently decided it would not be able to supply Premier Christian Communications with power to the Bow transmission site going forward. Premier Christian Communications said that its contractors did not notify Ofcom at the point the problem was first realized. It also said it was exploring various options in order to resolve the situation and was still committed to finding a solution to resume transmission from the site. Ofcom said it did not consider that the third-party notification about the issues affecting the Bow transmission site to which the Licensee refers in its response constituted a notification from the Licensee of its failure to broadcast the service for which it is licensed. "There was no reference to the licensed service or the Licensee itself in this notification. It is the sole responsibility of the Licensee itself to notify Ofcom of any failure to provide the service for which it is licensed," the regulator said. The station remains off-air and Ofcom has put the station on notice that this contravention of its license will be considered for the imposition of a statutory sanction. The station broadcasts on 1305, 1332, 1413 and 1566 in London and Surrey, DAB nationally, Freeview and online. (Steve Whitt, mwcircle 17 December)

Issue 393 of Ofcom's Broadcast and On Demand Bulletin 16 December 2019. https://www.ofcom.org.uk/_data/assets/pdf_file/0025/185551/Issue-393-broadcast-and-on-demand-bulletin.pdf In Breach Top Fifteens Radio Caroline, 30 September 2019, 09:55

Introduction

Radio Caroline [648] is a community station playing a mix of adult-orientated rock music from the 1960s onwards. The license for this service is held by Radio Caroline AM Broadcasting Ltd ("Radio Caroline" or "the Licensee"). Ofcom received a complaint about the broadcast of the Radiohead track Creep which contained three uses of the word "f...ing". Ofcom requested the Licensee's comments under Rule 2.3 of the Code which states: "In applying generally accepted standards broadcasters must ensure that material which may cause offence is justified by the context.... Such material may include, but is not limited to, offensive language...."

Response

Radio Caroline highlighted that the station is operated entirely by volunteers spread geographically over a wide area, and that as a community station it involves "as many volunteers and listeners as possible". It explained that the track was aired due to a "simple error" between two volunteers who shared the tasks of scheduling the tracks and voicing links.

The Licensee said that it now has a forum for volunteers to communicate with each other more easily. It is also creating a single database of music so that tracks are not selected from external sources, which it says "will mitigate... the risk of recurrence of this type of problem". It went on to say that listener suggestions for tracks are now "examined by one staff member and only used or added to the available list if the content is acceptable".

The Licensee stated that "no apology was broadcast... because the problem was not identified until it was brought to [its] notice many days later". It concluded by saying that there was "no justification for the use of explicit language" and that it would "not knowingly play such a track".

Decision

Ofcom's research on offensive language makes clear that the word "f..." is considered by audiences to be among the most offensive language. Reflecting our duties under the Communications Act, Rule 2.3 requires that the broadcast of potentially offensive material is justified by the context. Context includes the service on which it is broadcast, the time of broadcast and likely audience expectations. In our view, the majority of listeners to this station at this time of day were unlikely to have expected to hear the most offensive language. In particular, we took into account that no apology was broadcast. Ofcom took into account that the language had been broadcast live in error, and the steps the Licensee said it was taking. However, Ofcom's Decision is that this programme was in breach of Rule 2.3. (Ofcom 16 December 2019 via Dr Hansjoerg Biener, mediumwave.info 16/12-2019)

Confirmation: The Radio Seagull outlet on 1476 is from Carillon Wellbeing Radio in Coalville, Leicester, and puts out a fine signal, not only in the East Midlands but also much further afield. It was a good decision to take this programme, as they provide a very excellent alternative music service in the evenings. (Dave Angell, mediumwave.info 18/12-2019)

WESTERN HEMISPHERE

ARGENTINA: The AM station operating from the town of Laboulaye, in the province of Córdoba, on 1610, is now broadcasting the signal of the FM station "Magica FM" 106.1 MHz from the same city. 1610 began its transmissions in 2012, initially identifying as "AM 1610 Radio Regional" and then as "Radio Comunitaria Regional". It was the second AM station in the City, in addition to the already known LV20 Radio Laboulaye 1440. Currently, its central studios are located at Calle Presidente Gral. Julio A Roca 32 de Laboulaye, Teléfono: (03385) 42-5199. (Argentina en AM Y FM Facebook page 11/19)

COLOMBIA: 590 HJCR Impacto Radio, Medellín, ex Volvamos a Dios Radio. (Santiago San Gil G via Mauno Ritola, ARC)

CUBA: Here's the list that Rob Ross uses; https://www.mwlist.org/mwlist_quick_and_easy.php?area=3&kHz=0 Click on the frequency ranges to the right of "ALL:" about half way down. The home page for this is: https://www.mwlist.org/ul_login.php

Here's another comprehensive list (no date): <http://www.bamlog.com/cubalist.htm> and another (copyright date 2019): http://www.radiostationworld.com/locations/cuba/radio_broadcasting/ (via DXLD 19/43)

MEXICO: 990 XECL Mexicali with ID "Rocola" still on the air, heard at Aihkiniemi 17.11.2019. Cfr Central American News Desk MV-Eko no 60/1. (Jorma Mäntylä, ARC)

PERÚ: The Radio Union 880 website www.radiounion.pe is up and running. I listened their stream, FM carries Radio Union program and AM has IPDA. At times (not too often) AM plays the Radio Union ID with their street address Avenida Jose Pardo. Just speculating, but it seems that Radio Union has sold the whole AM program time to IPDA. (Jari Savolainen via Real DX IO Group)

PUERTO RICO: 600 WYEL Mayagüez applies to extend STA, U1 1.25 kW day and night. 1430 WNEL Caguas granted STA extension, U1 with 2.3 kW day and night from partial tower. (via NRC's "DX News")

VENEZUELA: 640 YVQQ Ondas Porteñas, The Station that Rules in the East, is no more Letterhead from the 60's during its long existence, the station was also branded as Porteñas 640 and Unión Radio 640. At the burial ceremony of my friend and fellow radio announcer Carlos José Martínez on Sunday 17 November 2019, Doña Hilda, widow of Sr Bellorín and her daughter Chebela, confirmed that my dear Ondas Porteñas 640 will not return to the airwaves. The station's transmitting station has been sacked by hooligans who took away practically everything of value. The transmitter and antenna had previously been moved to the district of Caicara which is known for its high crime rate. Only the sender could be rescued from the thieves. This was particularly sad news for me as I had my beginnings as a radio announcer and technician at this station. Until recently I had great hopes that the station would soon be reactivated.

(José Elias Diaz Gomes via Cadena DX fb 18.11.2019, translation Christer Brunström, ARC)

880 YVZD Radio Barinas, Barinas back on the air with "Llanera" music on 22nd November, Santiago reported scattered IDs from the station. Some of the IDs heard were "La Nueva Radio Barinas 880" or "La Nueva Radio Barinas, la decana". This radio station is not a brand new one as in the past Radio Barinas was one of the eleven stations owned by the Venezuelan business man Tobías Carrero Nacar under the name "Circuito Radio Venezuela". The rest of the stations are now off the air. (Jorge Garzón, IberiaDX via Santiago San Gil G, Cadena DX fb via Mauno Ritola, ARC)



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

Sandy Neck Beach DX 12/16-17/2019

2000 – 100°

981 **UnID** with pips.
1422 **ALGERIA** Fair.

1503 **SPAIN** S 5-6 w/slop.
1575 **ITALY** Fair with talk.

2030 – 100°

693 **UNITED KINGDOM** and **SPAIN** mixing.

2100 – 30°

531 **SPAIN** Pips, etc, with **ALGERIA**.
630 **PORTUGAL** Portuguese talk, pips, into news. Under WPRO.

1080 **SPAIN** Pips, talk into news and mixing with others.

2130 – 110°

558t **IRAN** woman singing and not //Spain.
576 **SPAIN** and Algeria mixing.
612 **MOROCCO** fair w/talk.
648 **SPAIN** talk //774.
648t **SLOVENIA** woman singing a slow ballad over Spain.
657 **SAUDI ARABIA** SBA. Quran //765 and mixing w/Spain.
666 **PORTUGAL** with a soccer game w/Spain mixing.
711 **MOROCCO** talk w/slop. //612.
720 **PORTUGAL** game in progress in the mix. //666.
756 **PORTUGAL** soccer game near end of file and mixing with Romania.
765 **SAUDI ARABIA** with Quran //657. And mixing with another station which may be the UK as the man sounded like a Brit.
774 **EGYPT** mixing w/Spain.
783 **SPAIN** on top of Syria and 1 more.
792 **SAUDI ARABIA** with Quran and at times equal with Spain.
801 **SPAIN** in good in passing.
819 **EGYPT** talk w/slop.
828t **AZORES** talk but weak.
837 **UnIDs** maybe 2 stations or just a poor sync by Spain.
846 **SOUTH AFRICA** or Ireland a light vocal selection, then 850 ate it up.
864 **SPAIN** on top of Egypt.
918 **SPAIN** fair with traces of audio on 917.
936 Now a mix of **SPAIN, MOROCCO** and another unknown.
945 **UnID** talk but weak.
954 **CZECHIA** on top of SPAIN. Both w/talk.
963 **UnID** light music on top of another station w/talk.
981 **ALGERIA** Good now with some music.
999 **SAUDI ARABIA** SBA. Quran – Under Spain //765, etc.

1620.104, 1635, 1647.787, 1663, 1664.960, 1715 Tone, 1716.333.

1730 **UnID** at S 3 with a woman singing. This station heard at times.

2145 – 350°

693 **UnID** singing and bells. Repetitive singing like maybe it could be Botswana.
830 **USA** WTRU, NC. Religion under WCRN.
880 **USA** WRFD, OH. Call and said FM 104.5. Rel. station and said, thank you Dr Gregory. Under WCBS. Your typical SS DX.

0000 – Northwest

530 **CANADA** CIAO, ON. On top and also a fast clicking sound and a woman talking in Spanish.
600 **CANADA** CKAT, ON. North Bay. NEW and at S 9+10.
630 **CANADA** CFCO. Chatham, Kent. C&W over and under WPRO.
640 **USA** WHLO, OH. ID in the mix.
690 **UnID** under Montreal.
840t **CANADA** CFCW, Camrose AB. C&W music.
860 **CANADA** CBKF-2, Saskatoon SK. French under French.
920 **CANADA** CKNX, ON. C&W ID into news.

0005 – South

Noted. The Great lakes stations were coming in much earlier than normal tonight. Maybe a good sign for Western stations.

760 **BRAZIL** Woman in Portuguese under WJR.
790 **CUBA** Radio Reloj.
810 **PUERTO RICO** WKVM. Religious talk under WGY.
940.270 Carrier.
940 **PUERTO RICO** WIPR. Woman in Spanish so presume them.
1039.618 **VENEZUELA** Valencia – Carrier.
1040 **USA** WURN, FL. Music and talk. Mixing with WCHR NJ and another station.

TWAS a good night between storms. OLD ROY FROM OLD CAPE COD

AIH106 DXpedition Report from Finland

12/22. Here's my latest DXpedition report from Aihkiniemi in the Finnish Lapland: <http://www.dxing.info/dxpeditions/aih106rep.htm>. It was a bit delayed due to a reporting assignment in the Amazon, but here it is, finally. Neat catches especially from North America keep on coming now that we are reviewing recordings with fellow DXer Jim Slatie. I promise to try to get the full log published within a decade or so... :)

In addition to fervent DXing, I snapped loads of photos and videos, also with a drone. I have inserted three drone videos in the report. Just click the still image, and you get redirected to Youtube to view the videos. They're all HD quality, so set your video quality as good as your internet connection allows. These as well as older videos from Aihkiniemi can be found also directly at <https://www.youtube.com/user/Mikareport/videos>

73 and Season's Greetings! **Mika Mäkeläinen**, <http://www.DXing.info>, DXing.info on Facebook: <https://www.facebook.com/groups/297973940712631/> (only MW DX)

1026 **SPAIN** talk and fair at times in WBZ's shadow.
1035 **ESTONIA** TWR. As above.
1062 **ITALY** Music at a fair level //1575.
1071 **EGYPT** talk w/slop.
1098 **IRAN** under Spain.
1107 **UnID** under Spain with talk. Not //1062 Italy.
1134 **KUWAIT** mixing w/Spain.
1152 **UNITED KINGDOM** presumed with woman in English mixing w/Spain.
1179 **ROMANIA** and Spain mixing.
1188 **IRAN** fair – The 3 bells into news.
1197 **UnID** 2 beats then 5 more. Iran had talk while UK Absolute w/music.
1215 **SPAIN** under UK.
1287 **ISRAEL** Mideast music and mixing with Spain
1332 **ROMANIA** with 2 men talking. //1593.
1341 **UNITED KINGDOM** good with a woman giving intro to concert.
1431 **DJIBOUTI** good with ID by a lady and also intro to the show.
1476 **EGYPT** Koran – Fair level. //1503.
1476 **IRAN** w/carrier.
1503 **SPAIN** on top w/talk and Egypt under with Koran.
1512 **SAUDI ARABIA** Quran program and also Iran with talk.
1539 **UNITED ARAB EMERITS** Mideast music with Spain under. Spain //1044.
1548 **MOLDOVA**
1593 **ROMANIA** with talk. //1332.
1602 **SPAIN** on top of the mix with talk.
1615 **UnID** Music either Mideast or Asian. Weak.

1070 **CANADA** CHOK, ON. On top.
1120 **USA** KMOX, MO. ID into weather, news, "NEWS RADIO".
1140 **CANADA** CHRFB, High River AB. Religious talk into ID. Mixing with WRVA and others.
1190 **USA** WOWO, IN. Along with WLBI.
1220 **USA** WHKW, OH. On top.
1420 **USA** WOC, Davenport, IA. ID into Fox news and sports in the mix.
1540 **USA** KXEL, IA. On top.
1560 **UnID** Fire and brimstone preacher doing his thing under WFME.

1070 **CANADA** CHOK. Elvis song.
1080 **USA** WKAT, FL. "RADIO LUZ", Talk.
1539 **UNITED ARAB EMERITS** At S 7 – Woman singing an Asian song.
1560 **UnID** Same preacher as in previous file under NY. Maybe a daytime station on late.
1620 **CUBA** On top of mix.



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

Deadlines: 12/28, 01/4, 1/11, 1/18, 1/25, 2/1, 2/8, 2/15, 2/22 and 3/7 – Anniversary issue

Mike Sanburn, PO. Box 1256, Bellflower, California 90707-1256 mikesanburn@hotmail.com

Seasons greetings. I wanted to thank everybody whoseever that helped with or attended the 2019 Seattle area IRCA convention. Registration information for the 2020 Anaheim CA IRCA convention currently appears in SDXM, IRCA Facebook page and IRCA message board to name a few. One of my most recent loggings here is KAFF 930 in Flagstaff, AZ. "Good to pick them up finally through local KHJ. Here's wishing everybody very happy holidays and a great New Year. 2020 means we need to throw a 100th birthday party for KDKA. 73 and good DX – Mike

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.

CANADA. 223 kHz, December 20 at 0742, dash and ND beacon YYW, which is 1000 watts at Armstrong, Ontario.

245 kHz, December 20 at 0744, dash and NDB YZE, 1000 watts at Gore Bay, Ontario. Where's that? "Gore Bay is a town on Manitoulin Island in Ontario, Canada. Located on Gore Bay, a bay of Lake Huron's North Channel, it is one of the two incorporated towns of Manitoulin District, of which it is the administrative and government seat. The town's name is believed to be referencing to the gore-shaped harbour. Wikipedia" What's a gore-shaped harbour? "A gore is a sector of a curved surface [1] or the curved surface that lies between two close lines of longitude on a globe and may be flattened to a plane surface with little distortion. [2] The term has been extended to include similarly shaped pieces such as the panels of a hot-air balloon or parachute, [3] or the triangular insert that allows extra movement in a garment. [4]" Wikipedia

258 kHz, December 20 at 0745, dash and NDB ZSJ, 1000 watts at Sandy Lake, Ontario. Did they run out of Y's? The only beacon on 258 kHz, per dxinfocentre.com – where's that? "Sandy Lake First Nation is an independent Oji-Cree First Nations band government. The First Nations community, in the west part of Northern Ontario, is located in the Kenora District, 227 km northeast of Red Lake, Ontario. Its registered population in June 2007 was 2,474. Wikipedia" 260 kHz, December 20 at 0748, dash and NDB YAT, 1000 watts at Attawapiskat, Ontario; where's that? The Attawapiskat First Nation is an isolated First Nation located in Kenora District in northern Ontario, Canada, at the mouth of the Attawapiskat River on James Bay. Wikipedia Wishing for a summer with clean water in Attawapiskat – Ontario First Nation's residents have faced an endless crisis since signing Treaty 9 in 1905, says elder <https://www.cbc.ca/news/indigenous/attawapiskat-water-hope-1.5224371>

272 kHz, December 20 at 0749, dash and YQA, 400 watt NDB at Muskoka Falls, Ontario, "TO BE DECOMMISSIONED 2020-03-26". Where's that? "Muskoka Falls is a village southeast of Bracebridge just a couple of minutes east off Highway 11."

CANADA. 401 kHz, December 17 at 0732, dash and ND beacon CPO as I copied it dozing off, but must have been YPO, 500 watts at Peawanuck, Ontario.

406 kHz, December 17 at 0731, dash and YLJ, 40-watt NDB at Meadow Lake, Saskatchewan, which is NW of Prince Albert on the way to Cold Lake, Alberta. dxinfocentre.com/ndb.htm shows this as the only beacon on 406.

USA. 412 kHz, December 17 at 0730, ND beacon CMY, which is 30 watts at Sparta – Fort McCoy, Wisconsin. I was tuned to 410-USB.

ALGERIA [and non]. 891, December 22 at 0144, 1 kHz het upon WLS, from presumed RTA near Algiers; so then a quick look for other TA carriers: 531, 576 also Algeria; 936 Morocco, 1215 UKOGBANI.

USA. 1110, December 20 at 1456, RCC call-in show hosted by Patrick, inquiry about angels from Gilbert AZ; soon wrapping up but Hour 3 to follow; fades for TOH ID, but Houston FM and Relevant Radio mentioned, then brief NBC News, 1504 fading out. Has been looping approximately. NW/SE inhabiting null of KFAB Omaha with SAH of 1 Hz or less. I would have expected 50 kW daytimer in The Metroplex, KVTT but its format is Asian – not a trace of it, halfway to Houston! Off the air? This is KTEK, CoL Alvin TX, on the Relevant roster at <https://relevantradio.com/listen/stations/> with two different maps and lists: O&O; and affiliates. Clearly, they are Irrelevant in Oklahoma. Current program was the "Patrick Madrid Show". KTEK is 2.5 kW directional daytimer, aimed thisaway; while KVTT much closer and stronger has unfavorable pattern close to nulling us but has been heard before. Should still be on 39 kW reduced power critical hours. Stephen Luce, Houston TX, replies: "Glenn, regarding your listening on 1110: KVTT can severely QRM KTEK at my northwest Harris County (Houston) QTH during critical hours, so will have to do a late afternoon check to see if there is any sign of the DFW station. I have noticed in the past that KVTT can be somewhat late in signing on in the morning, as I will only hear a mix of KTEK and residual skywave from KFAB. KVTT audio is rather distinctive the times I've heard it, with a bizarre reverb added to all programming."

USA. Momentous day December 18 for impeaching acting president Drumpf, all-day coverage of House debate on major TV networks and cable news channels – but it's business as usual on radio. At 0017-0025 December 19 I scan the AM band twice for any // although not synchronized, to live TV coverage, and find such ONLY on 1170 KFAQ Tulsa, and 1110 KFAB Omaha! The latter has cut away for ads at 0022, but resumes by 0028. Everything else is normal music, gospel-huxtering, sports or talk formats, even the all-news stations like WBBM 780. Most of those stations tilt far-right, but the event is rather important, with Republicans and Democrats evenly alternating their different-universe speeches. On FM it's even worse, no one carrying it except KOSU from NPR. After 0100 shortly before the final voting on the Articles, I also check TV channels via cable, to find live coverage ONLY on: KFOR-4-NBC, KOCO-5-ABC, CSPAN-1, I24, CNN, MSNBC; Fox "news" shows Rep. Schiff summing up on split screen while an anchor talks over him; typical. KWTW-9-CBS did have all-day coverage, until 2330 when it was the only major network still doing evening news, although mostly about Topic T.

UnID. 1150, December 19 at 0023, Mexican music roughly WSW-ENE with KSAL nulled; maybe per NRC AM Log, Albuquerque KNMM listed at 1500/105 watts in Spanish but format undefined beyond that. Or El Paso KHRO, 5000/380 Radio Ministar in Spanish but supposed to be religious.

UnID. 1520.7, December 18 at 1913, once again, weak but constant het upon 1520.00 KOKC OKC. Glad once before at midday I made sure that het was 1521.00 as in Sa'udi Arabia, but not this; again suspecting winter skywave from one of our closer 1520s, such as KRHW Sikeston MO in the southeast; others in IA and TN about the same distance. KRHW is supposed to have a null toward KOKC but we are slightly north of that.

USA. 3185, Sun December 22 at 0202, S9+35 of dead air from WWRB, which must have just QSYed from 3215 in deference to squealing WWCR-1 with Martha Garvin's Musical Memories featuring guest vocalist Kay Welch. No hurry to hear Manchester's gospel huxters sure to follow. 3185 span seems quite variable; Ken Zichi, MARE Tipsheet heard it Monday December 16, "0350-0431", carrier off at 0432:35."

SWAZILAND. 4760, December 16 at 0337, African language vs CODAR on both sides, from TWR scheduled 0330-0415. EIBi and Aoki/NDXC do not agree on the Zimbabwean language breakdown. EIBi: 0330-0345 Nda, 0345-0415 Shona; Aoki: 0330-0400 Shona, 0400-0415 Nda. Nda has twice as many speakers in Moçambique than in Zimbabwe.

SWAZILAND. Re 4760 TWR, conflicting info about languages at 0330-0415, Peter W Hansen provides another version: "Hi Glenn, TWR website has 0400-0415 as Nda language, 0330-0400 Monday-Friday as Shona, 0345-0400 Saturday as Shona, 0330-0345 Saturday as Ndebele and 0330-0400 as Shona And Ndebele with different programs."

USA. 4840, December 18 after 0700, dead air from this WWCR again, while 3215 and 5935 continue modulating their gospel huxters.

REP KOREA. 4885, December 16 at 1435 very poor music from Echo of Hope back here this week ex-4890; Ron Howard will have surveyed all the latest jump-arounds as of Mondays; yes, already: "Last Monday (December 9): 3985//4890//6000//6255//6355//9105 This Monday (December 16): 3990//4885//6000(?)//6250//6355//9100".

UnID. 5006, December 16 at 1434, JBA carrier; JG2XA propagation studier? See previous discussion.

VANUATU [and non]. 5040, December 16 at 0720, JBA carrier, presumably VBTC which has just reactivated SW with its new transmitter as anticipated before yearend, and reported heard elsewhere. It's too late for Cuba on 5040, and too early for India. Same time more JBA carriers from fellow Pacificans, 5055 presumed 4KZ Queensland; and 5020 Solomon Islands. Reawake at 1046 for quick check, still only JBA carriers on all. Missing is 5045 for Unique Radio, but that would be USB, no carrier, currently suspended and/or on 3210-USB instead. VBTC on FB December 15 about this in Bislama/Pidgin: "VBTC blong yumi evriwan <https://www.facebook.com/vbtc.vu/> VBTC 21 hrs/. Good morning VBTC Technical team wetem ol technician blong Kordia mo Hanjin oli stap testem ol frequencies blong Short Wave Transmitters long ol following frequencies mo ol time ia 0600-0900 3945 Khz, 0900-1200 5040 Khz, 1200-1800 7260 Khz, 1800-2200 5040 Khz, [local = UT + 11] Sapose anyone i kasem ol frequencies ia plis contactem Radio Vanuatu long 23026 or 22999" So not 2485, and 5040 instead of 5055 as originally registered; relax, 4KZ. 5040: 0711 and 2201. 2485 and 5055 are still shown in HFCC as of December 16, but not updated since December 10, mixed in with New Zealand FMO info: <http://hfcc.org/data/schedbyfmo.php?seas=B19&fmo=RNZ>. Ron Howard reports to the WOR iog: "5040, Radio Vanuatu, random listening on December 16. Their signature song "You Are the Only One," sung by the "Black Brothers," heard at 1105, 1123 and while mixing with AIR Jeypore at 1223; reception blocked at 1128, with the start of AIR IS, via Jeypore, which was stronger than Vanuatu; still mixing together at 1248, so seems to still be testing"

CUBA. 5040, 6145, and even 6060, Sunday December 22 at 0721, unusual combo of Radio Havana Cuba frequencies in English at this late hour, during Arnie Coro's other show as Science Editor, 'Breakthru'. Usually only 6145 is on after 0700. Not 6000 or 6100.

USA. 5085, Sunday December 22 at 0135, Christmas music on theatre organ, somewhat distorted modulation; show must have started a few minutes ago on WTWW-2. Bob Heil was also being heard for quite a while after 0000 talking about ham radio. At 0152 mentions "from new studio in Illinois". Organ show ends at 0159, Bob closing without uttering the word Ozarks, nor is there a produced outro which might have done so; suppressed into dead air for a minute? Has the show title been changed, or not? How about 'Theatre Organ from The Gateway', close enough? Fairview Heights suburb is NNW of Belleville just east of Saint Louis. K9EID has quite an illustrated bio at qrz.com including: "K9EID USA, Robert G Heil, 5800 N Illinois St, Fairview Heights IL 62208. During my beginning days of Amateur Radio I began a career playing the Wurlitzer Theatre organ at the Fox Theatre in St Louis as the protégé of Stan Kann who not only taught me how to play but taught me how to 'listen' – mentally dissect what one hears – by tuning and

voicing the thousands of pipes in that Magnificent Fox organ. I became the substitute organist for Stan at the age of 15 and continue to play these magnificent theatre organs. Little did I realize that learning to listen would be so very important in my later years as I began designing and building large concert sound systems for some of the world's leading groups starting with WB6ACU and the James Gang. Those two ham radio friends changed the world of Rock n Roll sound stages. The Grateful Dead, the Who, ZZ Top, Humble Pie, J Geils, Peter Frampton, were just a few of the scores of groups that we blazed the concert trail with our large mega KW sound systems. In 2006, the Rock and Roll Hall of Fame in Cleveland opened a display room with many pieces from those early touring days that scored the way for entertainment concert systems used today. Heil Sound is the only manufacturer in the Rock Hall and it should be noted that all of my ability to design and build these ground breaking systems was learned – and I continue to learn from my Amateur Radio background. New! Theatre Organ CD Call 618 257 3000 "Theatre Organ from the Ozarks" [sic] each Saturday 7:00 pm [sic] CST on WTWW 5.085 kHz [sic]." After WTWW ID, 0200 surf'n' music and supposedly live DJ about to take Christmassy requests.

WOR 2012 also confirmed by Glenn starting at 0402 Monday December 16 on Area 51 webcast; and very poor S5-S6 on WBCQ 5130 at 0429 check, 5129.989v, December 22 at 0238, this WBCQ VP with Area 51 measured also closer to nominal, but not quite right on. Of course, no signals on 6160v or 3265v.

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

Richard Evans, Apt 4, 3908 Grand Oak Avenue, Indianapolis, Indiana 46237-4694

I thought it might be more appropriate to wish KDKA a 1020 birthday party but wasn't sure how many would understand it. Anyway, I do wish everyone Happy holidays and Happy New Year. Nothing done really this year of 2019. It looks like some cable work has done on the street in front of the complex so I hope it means less line noise and better DX for a change. Next year will hopefully give me some good news. 73.



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

Welcome to another edition of SportChannels! Hockey season is under way, and we're now taking a look at NHL network lists. In this edition we'll be wrapping up the NHL lists with the network lists are from the Atlantic Division of the Eastern Conference. This is the one the defending Eastern Conference champions, the Boston Bruins, play in. Flagship stations are in **boldface** type, French language stations in **boldface italics**.

BOSTON BRUINS Judd Sirott, Bob Beers, Web: nhl.com/bruins/

98.5 WBZ-FM Boston, MA only

BUFFALO SABRES Rick Jeanneret, Dan Dunleavy, Rob Ray Web: nhl.com/sabres/

550 WGR Buffalo, NY only

DETROIT RED WINGS Ken Kal, Paul Woods, Web: nhl.com/redwings/

AM	1230 WTKG Grand Rapids, MI	1660 WQLR Kalamazoo, MI	97.7 WMLQ Manistee, MI
600 WCHT Escanaba, MI	1240 WCBY Cheboygan, MI	FM	99.3 W257CZ Houghton, MI (1)
730 WVFN East Lansing, MI	1270 WXYT Detroit, MI	94.1 WWKR Hart, MI	100.7 W264CF Saint Ignace, MI (2)
790 WSGW Saginaw, MI	1290 CJBK London, ON	94.5 WYPV Mackinaw City, MI	101.1 WGRY Roscommon, MI
970 WKHM Jackson, MI	1380 WPHM Port Huron, MI	94.9 WUPZ Choccolay Township, MI	101.7 WMRR Muskegon Heights, MI
1050 WTKA Ann Arbor, MI	1400 WCCY Houghton, MI	96.1 WMAX Holland, MI*	106.3 WWMN Thompsonville, MI
1110 WJML Petoskey, MI	1450 WHTC Holland, MI	96.7 WRGZ Rogers City, MI	107.7 W299BE Big Rapids, MI (3)
1230 WSOO Sault Sainte Marie, MI	1460 WBRN Big Rapids, MI	97.1 WXYT-FM/HD1 Detroit, MI	

Relays: 1) WCCY 1400, 2) WCBY 1240, 3) WBRN 1460, **Note:** * denotes station broadcasts games when no other events conflict

FLORIDA PANTHERS Doug Plagens, Bill Lindsay, Web: [nhl.com, panthers/](http://nhl.com/panthers/)

560 WQAM Miami, FL only

LES CANADIENS DE MONTRÉAL English: Dan Robertson, Sergio Momesso, French: Martin McGuire, Dany Dubé, Web: nhl.com/canadiens/

690 CKGM Montreal, QC (English) **98.5 CHMP Longueuil, QC** (French)

OTTAWA SENATORS English: Dean Brown, Gord Wilson, French: Nicolas Saint-Pierre, Alain Sanscartier, Web: nhl.com/senators/

AM	FM	94.5 CJFO Ottawa, ON
600 CKAT North Bay, ON	88.1 CHLK Perth, ON	96.7 CHVR Pembroke, ON
1200 CFGO Ottawa, ON	92.7 WQTK Ogdensburg, NY	

TAMPA BAY LIGHTNING Dave Mishkin, Phil Esposito, Greg Linnelli, Web: nhl.com/lightning/

AM	1350 WDCF Dade City, FL	FM	102.9 W275AZ Tampa, FL (3)
850 WRUF Gainesville, FL	1400 WZHR Zephyrhills, FL	92.3 W222CI Brooksville, FL (1)	103.9 W280DK Spring Hill, FL (1)
970 WFLA Tampa, FL	1450 WWJB Brooksville, FL	98.1 W251CG Gainesville, FL (2)	
1070 WKII Solana, FL		96.7 W244EG Tampa, FL (3)	

Relays: 1) WWJB 1450, 2) WRUF 850, 3) WFLA 970

TORONTO MAPLE LEAFS Joe Bowen, Jim Ralph, Web: nhl.com/mapleleafs/

590 CJCL Toronto, ON (41 games) **1050 CHUM Toronto, ON** (41 games)

With that, we wrap up the NHL radio listings and the last SportChannels column of 2019. The next SportChannels will be the first one of 2020; we'll start the NBA listings with the Western Conference's Pacific Division. 73, play hard, Merry Christmas, Happy Hanukkah, Happy Kwanzaa, and Happy New Year sports fans, from NØUIH, the Florissant Valley Dial Twister.

IRCA Slogans List (September 2019)

The 2019 Slogans List includes radio slogans from the US and Canada (over 4600) as gleaned from various DX publications and monitoring. The 2019 IRCA Slogans List is posted on the IRCA website for all to download. The link is: https://www.ircaonline.org/editor_upload/File/2019_IRCA_slogans.pdf

For those preferring a hard copy, one can be ordered from the IRCA. Prices: **IRCA/NRC members** – \$4.00 (US), \$5.00 (Canada) \$7.00 (México), \$7.50 (rest of the world). Non-IRCA members – add \$1.00.

IRCA Mexican Log, 22nd Edition (Winter 2019)

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. Also, in this edition, there is a spread sheet with links to web sites, live broadcasts and facebook page of many of the Mexican stations. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11".

The 2019 Mexican Log .pdf is posted on the IRCA website for all to download. The link is:

https://www.ircaonline.org/editor_upload/File/2019%20Mexican%20Log.pdf

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

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IRCA TIS/HAR LIST (Summer 2018)

The **IRCA TIS/HAR LIST** lists all US and Canadian TIS/HAR stations, by frequency, including call letters, state (province), city, county, licensee, address, coordinates, expiration date and dates of DXM/DXN reports/sources. It has been updated with FCC data, DXM, DXN and DXer reports, and on-line listings through June 6 2018.

The 2018 IRCA TIS/HAR LIST is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/TIS_2018.pdf
For those preferring a hard copy, one can be ordered from the IRCA.

Prices: **IRCA/NRC members** – \$5.00 (US), \$6.00 (Canada) \$8.00 (México), \$9.00 (rest of the world). **Non-IRCA/NRC members** – add \$1.00.

A DXers Technical Guide, 4th Edition (Spring 2004)

In its nearly 200 pages you will learn about the principles underlying the design of successful receivers, antennas and receiving accessories, find reviews of the best commercially available DXing equipment in different price ranges, as well as detailed instructions for building one's own antennas and other DXing aids. Although it focuses on the technical backdrop to medium wave DXing, it will also be of interest to serious shortwave listeners and low band radio amateurs.

Prices: **IRCA/NRC members** – \$15.00 (US), \$16.50 (Canada) \$18.00 (México), \$20.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

Sunrise/Sunset Maps (Domestic and World)

12 maps showing 15 minute sunset and sunrise times for the US and 12 maps showing hourly sunset and sunrise times for the World. Explanation includes use of the maps and examples of DX made possible by knowledge of SR/SS times.

Prices: **IRCA/NRC members** – \$2.25 (US), \$3.00 (Canada) \$3.50 (México), \$4.50 (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 Bookstore, 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.**

AM Radio Log 40th Edition

The **NRC's AM Radio Log** is a source for information on AM Radio Stations in the United States and Canada. The 40th 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 39th 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 **IRCA/NRC US Member Price** is \$28.95. Non Members in the USA is \$35.95. Orders from Canada are US \$41.15 and Overseas orders are US \$52.65.

You may order the 40th edition at www.nationalradioclub.org using Pay Pal or by snail mail check or money order to NRC HQ, PO Box 473251, Aurora CO 80047-3251.

NRC Antenna Pattern Book, 8th Edition

The 8th Edition of the **NRC Antenna Pattern Book** is now available. This all new edition prepared by NRC'er Paul Swearingen is an all-inclusive book of patterns for both Day and Night operation of stations in the USA, Canada and selected foreign stations. The data for the book comes from the 34th Edition of the AM Radio Log and NRC'er John Callerman's comprehensive Mexican station listing.

The book comes shrink wrapped in 8 1/2 by 11 three hole punch format for placement in your own three ring binder. There are 240 pages and the book has maps covering 530 through 1700 kHz depicting the lower USA, Canada and Mexico. Hawaii and Alaska are shown on separate maps at the end of the book.

The **IRCA/NRC US Member Price** is \$28.95. Non Members in the USA is \$35.95. Orders from Canada are US \$41.15 and overseas orders are US \$52.65.

Antenna Reference Manual Volume 3 (ARM3)

This manual is a compilation of numerous articles on the subjects of antennas, phasing, impedance matching and RF amplification for medium wave DXers. Some of the articles have been published in **DX News** between 1999 and 2004. Some articles were formerly available as reprints. 8 1/2" X 11" bound book format.

ARM3 Contents:

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BBL-1 Broadband Loop Antenna (Parts a & b)
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Medium Frequency Amplifier Circuits Compared
TMB-1 Tri-Mode Buffer Amplifier Box

DXP-3 DXpedition Phasing Unit
Superphaser-2 Phasing Unit
FCA-1 Feedline Coupling Adaptor
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Fabricating Impedance Transformers for Receiving Antennas (John Bryant)
Broadband Receiving Antenna Matching
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