



# DX MONITOR

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International Radio Club of America

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IRCA welcomes **Marvin Garber** in Lincoln NE. DX and report often!! Seattle deadline, every **Monday** 6 PM PLT.

### 2018 IRCA Convention

The dates of the **2018 IRCA Convention** will be Friday September 7 and Saturday September 8 2018 at the **Best Western Plus Charles Inn in St Charles MO**. The registration fee is \$25.00 per person. Radio tours and the Saturday banquet site are TBA at this point. Ken Hawkins ([stlouisherdfan@gmail.com](mailto:stlouisherdfan@gmail.com)). (More details as they become available. Set these dates now if you plan to attend – pb)

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### CANADIAN RADIO NEWS – Dan Sys

E-mail: [sysdan@gmail.com](mailto:sysdan@gmail.com)

For December 2017, January 1 2018

### BRANDINGS

640	ON	Richmond Hill	CFMJ	From TALK RADIO AM 640 to Global News Radio.
680	MB	Winnipeg	CJOB	From AM 680 CJOB to Global News Radio.
770	AB	Calgary	CHQR	From AM 770 to Global News Radio.
980	BC	New Westminster	CKNW	From CKNW AM 980 to Global News Radio.

### DELETED FROM ISEDC DATABASE

1170	BC	Port Alica	CBUX	40 watt CBC Radio One repeater of CBCV 90.5 Victoria flipped to 90.3. Calls now CBCV-2.
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### WESTERN DX ROUNDUP – Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923

E-mail: [NancyJohnson@prodigy.net](mailto:NancyJohnson@prodigy.net)

**WDXR DEADLINES:** Jan 12, Jan 19, Jan 26, Feb 2, Feb 9, Feb 16, March 16, March 30 and April 13. Please use Eastern Local Time.

### REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-PO Box 5503-Peoria AZ 85385 [desertmoon\\_dxshack@inbox.com](mailto:desertmoon_dxshack@inbox.com)  
Hammarlund HQ-180A, RF-2200, SW-2000629 and Terk loop
- (BB) **Bill Block**-Prescott Valley AZ [billblock@cableone.net](mailto:billblock@cableone.net)  
R8, Wellbrook ALA1530LNP

- 680 CJOB **MB**, Winnipeg heard 1/4 at 1924 with weather report and at 1925 "CJOB" on top of KNBR. (BB-AZ)
- 790 KXXX **KS**, Colby heard 1/4 at 1932 with "K-triple X." (BB-AZ)
- 810 WHB **MO**, Kansas City heard 1/1 at 0743 with "Sports Radio WHB 810." (BB-AZ)
- 830 KUYO **WY**, Evansville heard 12/30 at 0844 with s/on info. (BB-AZ)
- 1140 CHR8 **AB**, High River heard 1/5 at 0844 with weather report and at 0845 "Southern Alberta's Community Radio Station AM 1140." (BB-AZ)
- 1170 KFAQ **OK**, Tulsa heard 12/31 at 2320 with George Noory, excellent on loop null of Mexico. (RB-AZ)
- 1270 KBZZ **NV**, Sparks heard 1/2 at 0900 with "KBZZ Sparks-Reno, The Buzz." (BB-AZ)
- 1330 KCKM **TX**, Monahans on 1/1 at 0002 "Ladies and gentlemen, you're listening to the West Texas Powerhouse," followed by KCKM jingle. Good over the channel rumble on RF-2200. (RB-AZ)
- 1350 KUBE **CA**, San Bernardino/Riverside 12/29 0100 "Fox Sports Radio, 13-50, KUBE Riverside." Good over the rumble and well over the station I was trying to ID. First time positively ID'd with new call (this is formerly KTDD "The Toad"). (RB-AZ)
- 1360 KBUY **NM**, Ruidoso heard 1/2 at 0821 with weather report then at 0823 "KBUY." (BB-AZ)
- 1410 KIIK **CO**, Fort Collins heard 1/2 0846 with weather report and at 0847 "Kicks Country." (BB-AZ)
- 1590 KELP **TX**, El Paso on 1/1 at 0100 talk program on religion and alcoholism, good on RF-2200 and provided loop. (RB-AZ)
- 1660 KRZI **TX**, Waco on 12/30 at 0820 ESPN Sports Radio, woman with sports update on the half, good over KBRE which was sometimes gone, sometimes under. (RB-AZ)

Thank you to Rick and Bill for our WDXR this week. – Nancy 1/5 1900



### CENTRAL DX ROUNDUP – John C Johnson – 2922 S Olivewood – Mesa AZ 85212-2923

E-mail: [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 [NOUIHEric@gmail.com](mailto:NOUIHEric@gmail.com)  
CountyComm GP-5/SSB Gen 3 Ultralight receiver, Grundig AN-200 tunable loop, Yaesu FRG-7, Worcester Space Magnet II

### DOWN THE DIAL

- 540 WAUK **WI**, Jackson, 1/2 fair signal over other stations. 0517 noted with local spots, midday show promo, "Five-40 ESPN and ESPN Wisconsin-dot-com" ID into ESPN Sports Center All Night. [EB-MO]
- 620 WRJZ **TN**, Knoxville, 1/4 fair to poor signal over WJDX. 0458 noted with "Joy Six-20 WRJZ" ID, promos, Scripture reading, Dave Ramsey promo, mention of sister station "Talk Radio 92-point-Three" (W222BA Karns, TN, relay of WETR 760), "Joy Six-20 WRJZ Knoxville" legal ID. [EB-MO]
- 1190 WOWO **IN**, Fort Wayne, 1/3 fair signal through KQQZ open carrier. 0528 noted with EST time check, weather forecast, news headlines, "11-90 AM, 107-point-Five FM, Wo-Wo-dot-com" ID into school closings. [EB-MO]
- 1300 KGLO **IA**, Mason City, 1/3 fair to poor signal, alone on channel. 1654 noted with The Rush Limbaugh Program, local spots, "AM 13-hundred KGLO" ID, legal ID at 1700 into CBS News. [EB-MO]

- 1350 WPDR **WI**, Portage. 1/2 fair to poor signal, mixing with KRNT, WKCU. 0337 noted with "AM 13-50 WPDR" ID into Oldies format. Must have been on day power. [EB-MO]
- 1450 WROX **MS**, Clarksdale. 1/4 fair to poor signal, poking through KMRY, WASK, WFMB, WMOH and other stations. 0346 noted with local spot and calls in promo. [EB-MO]
- 1550 CBEF **ON**, Windsor. 1/4 fair to poor signal, mixing with KESJ, KYAL, WPFC. 0306 noted with the start of a discussion in French. [EB-MO]
- 1570 WTRB **TN**, Ripley. 1/4 fair signal through WBGZ. 0445 noted with Country format, "WTRB" jingle. [EB-MO]
- 1620 WDND **IN**, South Bend. 1/4 fair through WNRP, WTAW. 0313 with Adult Standards format, "WDND" ID and "America's best music" mention. [EB-MO]
- 1640 WSJP **WI**, Sussex. 1/2 fair to poor signal through WTNI. 0504 with "Relevant Radio" ID into talk on the shooting in CO on New Year's Day. [EB-MO]

#### FLASHBACK

**50 Years Ago** – January 13 1968 issue of "DX Monitor" ... **Bruce Portzer** of Seattle WA received a verie from CJOY 1460 for his 4<sup>th</sup> Canadian Providence ... New member **Patrick Martin** of Seaside OR mentioned he was 18 and moved to Seaside from Seward AK ... **Walt Breville** of Saint Louis MO said he had heard 735 stations from 43 states ... **Dave Johnson** returned to Pueblo CO for his junior year at South Colorado State College. // **25 Years Ago** – January 9 1993 issue of "DX Monitor" ... **Gary Larson** of Burbank CA told about KGIL 1260 going silent on January 5<sup>th</sup> ... **Larry Godwin** of Missoula MT compiled a list of beacons on 1610 to 1750 totaling around 100, he has heard 4 ... **Garry Thomas** of Pensacola FL thanked **JD Stephens** for setting up all the DX tests.

#### OPEN MIKE

**Eric Bueneman** has issued a challenge to all the IRCA members in the CDXR area to report their DX. Eric wonders just what they are hearing compared to his location. This column was typed 1-5-18. 73, John



**EASTERN DX ROUNDUP** – **Eric Bueneman (NØUIH)** – 631 Coachway Lane – Hazelwood MO 63042-1347  
E-mail: 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**, Welland ON, Canada  
Elad FDM-S2, Pixel RF Pro-1B loop, MFJ-1020C as a tuner
- (RW-MD) **Robert Wien** (KG6RJW/3), Laurel, MD  
CCrane Company CCRadio

#### ACROSS THE DIAL

- 850 WKNR **OH**, Cleveland – 12/28 0402 noted with discussion on the Cleveland Browns and upcoming Cavaliers basketball games, followed by what sounded like an "850 AM ESPN" ID. Faded up briefly with a very choppy signal before fading into the mix. (RW-MD)
- WKGE **PA**, Johnstown – 12/28 0400 noted poking through the mix with a "WKGE" ID, mixing with an unidentified station playing Oldies or a similar format before fading out. (RW-MD)
- 870 WPWT **TN**, Colonial Heights – 12/22 1715 noted with a Country format, "96-3 the Possum" ID (W242CQ Colonial Heights TN – eb). The signal was noted mixing with Radio Reloj (Cuba) and unidentified stations with Christian vocal music and a talk format. (KK-VA) (Your unidentified talker may be either WWL New Orleans, LA or WHCU Ithaca NY – eb)
- 910 WABK **ME**, Bangor – 12/29 1722 noted with a Classic Hits format, ad for the Central Maine Help Wanted Web site, "Big 104 Weather" jingle, weather forecast read by a female announcer, followed by a "Big 104" jingle ID. The signal was noted mixing with WFJX, WJCW and WTMZ; a new station in the logbook. (KK-VA)
- WJCW **TN**, Johnson City – 12/29 1700 noted with a talk format, "From the Jim's Motorcycle Studio, this is WJCW Johnson City..." legal ID by a male announcer. The signal was noted mixing with WABK, WFJX and WTMZ. (KK-VA)
- WFJX **VA**, Roanoke – 12/29 1633 noted with "Fox Radio 910; Talk About the Big Stories Here, Fox Radio 910" ID by a male announcer into a talk format. "...on WFJX, Fox Radio 910" mention by a male announcer at 1659. The signal was noted mixing with WABK, WJCW and WTMZ; a new station in the logbook. (KK-VA)
- 930 WBEN **NY**, Buffalo – 12/29 1703 noted with "WBEN news time 5:03; now, a look at sports" time check by a male announcer. The signal was noted mixing with WDLX, WFMD and an unidentified vocal music station. (KK-VA) (Your vocal music station could be WLLL Lynchburg VA – eb)
- 940 WINZ **FL**, Miami – 12/29 1756 noted with Sports format, "Live from Miami's Magic City Casino Traffic Center" mention by a male announcer into a traffic report read by a female announcer. The signal was noted mixing with WADV (which was still playing Christmas music!), WCPC and an unidentified Talk station. (KK-VA) (That unidentified talker may be WMAC Macon GA – eb)
- WCPC **MS**, Houston – 12/29 1659 noted with "Here's a Community Calendar reminder from WCPC" mention by a male announcer, "WCPC Houston/Tupelo/Columbus, Radio That Changes the Way You Live" legal ID at 1700 by a male announcer. The signal was noted mixing with WADV, WINZ and an unidentified Talk station. (KK-VA) (Another possibility for your talker, if the subject is Christian in nature, is WKGM Smithfield VA – eb)
- 1410 WHLN **KY**, Harlan – 1/1 1619 noted with a "1410 WHLN" ID by a male announcer while checking to see if KQV had signed off. The signal was noted mixing with WNER and unidentified stations with ESPN Radio, Christian teaching and vocal music. (KK-VA) (Your ESPN station is most likely WING Dayton OH; your Christian teaching station may be all-Catholic WNGI Mobile AL – eb)
- WNER **NY**, Watertown – 1/1 1559 noted with Sports format, "Northern New York's Home for... Fox Sports Radio 1410 WNER Watertown" legal ID by a male announcer. The signal was noted mixing with WHLN, possible WING and unidentified stations with Christian teaching and vocal music. (KK-VA)
- 1570 WBGZ **IL**, Alton – 1/2 2252 noted with Talk format, clear "1570 WBGZ" ID at 2254 into more talk. A very poor signal in the station mix. (PS-ON) (*The Joe Pags Show* was running at the time, according to the station's schedule at Alton Daily News-dot-com. The station also uses "The Big Z" as its ID, simulcast on W232CR 94.3 Alton IL. Probably on 1,000 watts day power; it's a regular at night, even on 74 watts, at my location – eb)

#### EDITOR'S NOTES

Thanks to Kraig, Paul and Bob for their logs. Congratulations to Paul for bagging my local WBGZ! I hope you're making plans for IRCA 2018, which will be across the Mighty 'Mo from my shack! 73 and good DX from NØUIH, the Florissant Valley Dial Twister



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

**Deadline** – Sunday Midnight Central Time.

#### \*\*\* PAN-AMERICAN DX \*\*\*

- 700 **MÉXICO** XEGD, Chihuahua, Chih. JAN 5 1323 – during news, TC "6:23 en la capital del mundo, Parral". So XEGD, Chihuahua. More timechecks for 6:24, 6:25, temp 4 grados. I am hearing this only by nulling much stronger XEETCH which is further west. By 1334 it's gone while XEETCH is still in. Hidalgo del Parral sunrise not until 1353. [GH-OK]
- MÉXICO** XEETCH, Etchojoa, Son. JAN 5 1323 – always neat rustic fiddle and guitar music, good signal from WSW, 1326 pause for ad/PSA string including: Banco de México, Secretaría de Salud re vaccinations, Ricardo Anaya, PAN candidate; INE about independent candidates; full ID for XEETCH, location at km 27 on road from Navojoa, "5 mil watts en 700 de AM e internet...", 1333 "La Voz de los Tres Ríos", and full ID again in native language, 1334 back to rustic music. Dominant signal, and can only hear closer XEGD Parral, Chihuahua by nulling XEETCH, from several degrees apart. Etchojoa sunrise 1408 UT. [GH-OK]
- 1620 **CUBA** Radio Rebelde synchros. DEC 21 0118 – Radio Rebelde asserting thrice "Armando y... en Concierto!!" good modulation and not //5025 Rebelde. I suppose the MW outlet has switched to Rebelde FM feed as it often does. [GH-OK]

### \*\*\* TROPICAL BAND DX \*\*\*

- 2850 **DPR KOREA** KCBS, Pyongyang. JAN 1 1245 – Usual religious sounding patriotic music. Fair-Good. [RB-AZ]  
3925 **JAPAN** Radio Nikkei 1, Chiba-Nagara. JAN 1 1420 – Woman presenter in Japanese, African-American R&B music with Gospel roots. Uniquely American music on station from Japan. Noted very good //6055. Good. [RB-AZ]  
4055 **GUATEMALA** Radio Verdad, Chiquimula. JAN 5 0245 – Church choir, hymns, man in Spanish with religious message between hymns. Very good. [RB-AZ]  
4765 **CUBA** Radio Progreso, Bejucal. JAN 5 0300 – Romantic Spanish ballads and peppy Cuban jazz. Good ID by man and woman in Spanish at 0320. Very good. [RB-AZ]  
6011.73 **BRAZIL** Radio Inconfidência, Belo Horizonte MG. JAN 7 0125 – noted a station here the previous evening and suspected Radio Inconfidência reactivated. Verified this evening, pop music //web. [BJ-TN]

### CONTRIBUTORS

- RB-AZ **RICK BARTON**, Peoria AZ  
RS SW-2000629, Satellit 750 with various outdoor wires, World Traveler Longines Symphonette 4597 portable with Terk advantage loop  
GH-OK **GLENN HAUSER**, Enid OK (via direct and DXLD eGroup)  
DX-398 or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; ICR-75 with E-W longwire; FRG-7 with NW-SE short wire  
BJ-TN **BRANDON JORDAN**, KM4PBQ, Fayette County TN  
WinRadio G33DDC, RFSpace NetSDR locked to Thunderbolt GPS 10 MHz reference, 10'x40' ALA100, Array Solutions SAL-20

73, Brandon



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

### ASIA AND PACIFIC

**INDIA:** 756 All India Radio, Jagdalpur is testing the new Nautel NX100 DRM transmitter with a power of 100 kW from 5 PM IST (1130 UTC). Reports may be sent to: [jagdalpur@air.org.in](mailto:jagdalpur@air.org.in). (Jose Jacob, dx\_india 7.12.2017)

**KIRIBATI:** I-Kiribati living in the remote Line and Phoenix Islands can now for the first time listen clearly to Radio Kiribati broadcast from the Broadcasting and Publications Authority's (BPA) main studio in London, Christmas Island following the installation of a new AM transmitter.

The newly installed transmitter was commissioned on Saturday, 25 November 2017 in London village.

BPA Board Vice Chairman Betarim Rimon said the launching was covered live on Radio Kiribati and was heard in the Kiribati islands (Gilbert Group) through AM1440 kHz and in the Line and Phoenix Islands through the newly installed AM 846 kHz in London.

Mr Rimon said the people of Kanton (Canton), the only inhabited island in the Phoenix Islands Protected Area (PIPA) can now tune and listen clearly to the broadcast from Christmas Island, a barrier in radio communications which has plagued and isolated the island from the rest of the islands in the country for many years.

"The people of Kanton can now tune to this service as it will sufficiently cover the rest of PIPA. You are now no longer far but drawn closer to the rest of the nation and the world in terms of news updates and radio service," said Mr Rimon... RK News <https://www.facebook.com/RadioKiribati/posts/1734641830176128>

**MONGOLIA:** From AWR info sheet 1.12.2017: "Beginning today, more listeners in North Korea will have a chance to hear messages of God's love, thanks to AWR's new AM broadcasts from a station in a neighboring location.

We have blanketed North Korea for years with shortwave programs and have recently increased our shortwave broadcasts to 3 hours/day. But AM radio is more accessible for North Korean listeners, and we have been working for a long time to find a way to launch AM broadcasts. Although the AM signal may be less clear than we might wish, we know that listeners are hungry for news and will patiently tune in.

Many thanks to the members of our Korean-language production team who are working hard to produce these extra programs. Please join us in prayer for our listeners in this extremely difficult part of the world." (Via Arctic)

As of 23 December, AWR's Korean webpage doesn't list 1431 in its schedule. Shortwave broadcasts are 1200-1300 UTC (bp)

**SOLOMON ISLANDS:** According to an announcement posted on the sibconline.com website, SIBC shut down its 1035 AM transmitter on 15 December as a cost-saving measure. "Recent surveys have shown that most rural people listen to SIBC in the early morning hours and during the evenings. This indicates that they are listening to the shortwave transmitter whose antenna is designed to ensure the signal reaches all corners of the country during daytime, morning and evening times. The MW transmitter... covers the middle sector of the country and doesn't reach the furthest islands. SIBC management will review the MW coverage issue in the new year." (Nigel Holmes via Paul Ormandy DX Dialog)

I understand from my sources in Solomon Islands that the closure of 1035 kHz relates primarily to the cost of electricity to keep the transmitter running. A funding issue has arisen between the SIBC and the local utilities authority over the payment of the power bill, and even the SIBC studio complex in Honiara was recently without mains power and operating on a diesel generator for a while. The issue is expected to be rectified early in the New Year and 1035 kHz could well be reactivated sooner than later. Despite the information in the SIBC press release, the mediumwave signal is still very important in playing a part in ensuring nationwide radio coverage. (Martin Hadlow via DX Dialog)

The national broadcaster, SIBC, is taking drastic and desperate measures to stay on air. This comes after Solomon Power's recent disconnection of SIBC's power supply due to a \$65,000 outstanding bill. The national broadcaster, which has the furthest reach and relied on by the rural populace, currently runs on generators, which are expensive to maintain. Chief Executive Officer Ashley Wickham told the Sunday Star they are taking every possible measure available to keep the station on air. "We've already shutdown the medium wave transmitter SIBC Headquarters at Rove (MW) because of the situation," Wickham said. "Only the Short Wave (SW) transmitter is still being maintained because it reaches the whole country," he added. "Our streamed overnight service listened to internationally had to be switched off at 11pm so the generators could rest." Wickham said their poor financial situation came about as a result of the government's critical cash flow problem. The government is SIBC's main source of revenue. Wickham said they will review the situation in the New Year. "But our outlook is not so clear. "We have not been told when Parliament is likely to sit to look at the budget. "If our finances don't improve, we will reduce the transmission hours of the shortwave transmitter so that they are only heard in the early mornings and evenings to close down at 11pm. "Then we start a process of lay-off of staff." "Since the government changed we have not heard how the new administration views our SIBC prospects," Wickham stated. He said SIBC had also complained to the Prime Minister's Office and Ministry of Finance that Solomon Power did not seem to know the essential services act and did not seem to know or care about the cash-flow situation everyone reliant on government is affected by. Solomon Power earlier insisted their action applies to every customer that has outstanding bills with them. (Solomon Star News 24/12 via Mike Terry WTRH Facebook page) (All the above came via January NDXDT. bp)

**TONGA:** Tonga's beleaguered state broadcaster has begun regular 24 hour operations on 1017 AM for the first time. Previously it only broadcast after hours between midnight and six in the morning if there was a public emergency. The station received a revamp earlier this year in an effort to improve content and boost revenue after being called 'an enemy of government' by the prime minister. The Acting General Manager of Tonga's Broadcasting Commission, Solomone Finau, said while content hasn't yet been finalized, there are plans to stream everything online. "We'll be trying to expose these services, that six hours extra, having some talkback shows and some of the religious songs and local music. It's kind of popular at the moment but we're trying to expose that, [not just] to the local people but to the overseas as well," said Solomone Finau. He said TBC's hoping for more government funds to keep the 24-hour service going permanently. (RNZI Pacific website 11Dec17, photo by Koro Vaka'uta of RNZI, via NZDXT)

### EUROPE, AFRICA, AND THE MIDDLE EAST

**CANARY ISLANDS:** On a recent visit to Madeira, all the usual [Canary Islands] stations on 576, 621, 720, 747, 882 and 1179 kHz were heard during local daytime. COPE Las Palmas was also heard on 837 kHz with a weak signal at the end of November, but from early December they had a strong signal. Maybe the old 10 kW transmitter is back on the air. Radio Las Palmas on 1008 kHz is still silent as earlier reported. (Reidar Bø, mediumwave.info 15/12-2017)

**DENMARK:** The new website of World Music Radio ([www.wmr.radio](http://www.wmr.radio)) mentions two shortwave frequencies besides the already announced mediumwave frequency: 927 kHz – Copenhagen (coming soon), 5840 kHz – Europe (coming soon), 15805 kHz – Europe (coming soon) (Marcel Rommerts mediumwave.info 27/11-2017)

**HUNGARY:** At the TX site in Solt, Hungary (540 kHz) the new 5x400 kW Nautel system is in operation from today. This replaces the 40 years old soviet transmitter. The maximum ERP from the tower is 3500 kW! (László Tringer HNG, WRTH FB group 27/11-2017)

**ISRAEL:** All Voice of Hope programming on 1287 kHz is in Arabic, except for two hours on Friday evenings, from 2000-2200 UTC. 20-21 hours is 'Song in the Night' with Scott Martin, and 21-22 hours is 'Swing Shift' with Pat Conrad. (Ray Robinson, Strategic Communications Group, via Marcel Rommerts, DXing.info 27/11-2017)

**ITALY:** FreeRadio AM from Trieste area is now on 1584 kHz; earlier on 1476 kHz and then 819 kHz. This new frequency is a mess with a lot of other stations; here in southern DNK Egypt is dominating. (Ydun Ritz mediumwave.info 27/11-2017)

**MOROCCO:** SNRT from Agadir on 936 kHz had a very strong daytime signal and was not heard earlier this year. Maybe the new transmitter has been installed. SNRT, Laayoune on 711 kHz had a very low level of modulation and was not// with 936. SNRT on longwave 207 kHz was not heard and they probably still have transmitter problems. (Reidar Bø, mediumwave.info 15/12-2017)

**NETHERLANDS:** 1224 Radio T-pot will change to this frequency at the end of 2017. (Mauno Ritola, ARC 25 Nov 2017)

**NORWAY:** 630 LKBT Radio Northern Star is testing a low power transmitter at Toftøy northwest of Bergen. This week it is CW, but next week it will be AM. More info see ARC facebook page. (Svenn Martinsen, ARC 1 Dec 2017)

1314 The Norwegian Listeners Club (DXLC) has financed a new 1 kW transmitter for LLE-2 Bergen. The transmitter has been on the air since October 6th 2017 Sundays 10-1400. Svenn Martinsen has started crowd-funding for a new 1 kW transmitter to be used for LLE-4 1611 kHz Radio Northern Star. (Svenn Martinsen, ARC 14.11.2017)

**ROMANIA:** New MW stations in Romania!

ALT FM extends its coverage with MW stations, and a new network will start soon. Each TX's are 1 kW. According CNA, these stations are the following:

Deva: ALT FM – 1602 kHz (Today already works, it have good signal in Békés County)	Craiova: Radio Jurnal Spiritual – 1584 kHz
Resita: ALT FM – 1575 kHz	Sfantu George: Radio Jurnal Spiritual – 1584 kHz
Timisoara: ALT FM – 1584 kHz	Targu Mures: Radio Jurnal Spiritual – 1584 kHz
Bacau: Radio Jurnal Spiritual – 1485 kHz	Viseu De Sus – Radio Jurnal Spiritual – 1485 kHz
Bistrita: Radio Jurnal Spiritual – 1602 kHz	Zalau: Radio Jurnal Spiritual – 1584 kHz

Both stations are religious. Good to see, that MW is still alive in some countries! Source: [http://www.cna.ro/IMG/pdf/REZULTATUL\\_CONCURSULUI\\_RADIO\\_23-11-2017.pdf](http://www.cna.ro/IMG/pdf/REZULTATUL_CONCURSULUI_RADIO_23-11-2017.pdf) Tringer László Hungary (21/12-2017) and Alexander Busneag Germany (via mediumwave.info 21/12-2017)

Please note that 1602 kHz "Alt FM" was reactivated a few months ago from Arad, so the signal does not yet come also from Deva at present! Until a few years ago, the transmitter in Arad was used by the same broadcaster under his old name "Radio CNM". The Arad transmitter is located here: 46.213806 N 21.375167 E

Here is their renewed license from 2015, which they are using now: Arad – 1.602 MHz (sic!) – SC Radio CNM SRL Sânleani – Alt FM <http://www.cna.ro/Extras-din-procesul-verbal-al,7651.html> (Alexander Busneag mediumwave.info 21/12-2017)

**SPAIN:** This is the actual situation in regions with more than one MW station (times UTC):

ANDALUCÍA (Almería-1098, Cádiz-747+1503\*, Córdoba-531, Granada-1017, Huelva-1098, Jaén-1413, Málaga-1152, Sevilla-603): 0730-0745 reg 0745-0800 loc  
ARAGÓN: (Teruel-1107, Zaragoza-936): 0730-0800 reg  
CASTILLA-LA MANCHA: (Albacete-1152, Ciudad Real-1305, Cuenca-1314, Toledo-1125) 0730-0745 reg 0745-0800 loc  
CASTILLA Y LEÓN: (Ávila-1098, Burgos-1017, León-1305, Palencia-603, Ponferrada-1107, Salamanca-1314, Soria-1125, Valladolid-936, Zamora-1152): 0730-0750-loc 0750-0800 reg  
CATALUÑA: (Barcelona-576, Girona-1413, Lleida-1152, Tarragona-1314): 0730-0745 reg 0745-0800 loc  
COM. VALENCIANA: (Alicante-936, Castellón-1125, Valencia-558): 0730-0745 reg 0745-0800 loc  
EXTREMADURA: (Badajoz-1125, Cáceres-1107): 0730-0800 reg  
GALICIA: (Coruña-558, Lugo-1098+1503\*\*, Orense-1305, Pontevedra-531+Vigo-1413\*\*): 0730-0750-loc 0750-0800 reg  
ISLAS CANARIAS: (Las Palmas-747, Tenerife-720): unable to check  
PAÍS VASCO (Bilbao-1305, San Sebastián-558, Vitoria-1125): 0730-0745 reg 0745-0800 loc  
REGIÓN DE MURCIA (Cartagena-1152, Murcia-567): 0730-0745 reg 0745-0800 loc

\*) relay La Línea de la Concepción, \*\*) relay Monforte de Lemos, \*\*\*) Pontevedra and Vigo stations are broadcasting the same program produced from both studios. (Mauricio Molano, mwcircle 24 Nov)

**UNITED KINGDOM:** The BBC has stepped up its information campaign surrounding the imminent switch-off of a number of Medium Wave services, due to take place in a few weeks. As announced by the BBC in August, seven local radio stations will see their Medium Wave services being cut at the beginning of 2018, with three further stations having one of their current MW frequencies being closed. A total of thirteen MW transmitters are affected. With the switch-offs about to commence, the BBC has begun to provide more information about the changes, with a detailed listing of all of the transmitters and frequencies affected being published for the first time:

530 kHz BBC Essex Southern-on-Sea (0.05 kW)	1458 kHz: BBC Radio Devon (Ocombe Torbay MF 1.0 kW)
774 kHz: BBC Radio Kent (Littlebourne 0.7 kW)	1485 kHz: BBC Radio Humberside (Hull MF 2 kW)
1161 kHz: BBC Sussex (Bexhill MF 1 kW)	1485 kHz: BBC Sussex (Brighton 1 kW)
1332 kHz: BBC Radio Wiltshire (Lacock 0.8 kW)	1557 kHz: BBC Radio Lancashire (Oxcliffe 0.25 kW)
1368 kHz: BBC Radio Lincolnshire (Lincoln 2 kW)	1584 kHz: BBC Radio Nottingham (Clipstone 1.0 kW)
1368 kHz: BBC Radio Wiltshire (Swindon MF 0.1 kW)	1602 kHz: BBC Radio Kent (Rusthall 0.25 kW)
1368 kHz: BBC Surrey (Duxhurst 0.5 kW)	

Listeners who tune in on FM, DAB, Freeview or online are unaffected by the changes. The switch-offs are due to complete next month, although exact dates still haven't yet been confirmed by BBC Reception Advice and we are awaiting clarification. The BBC says it decided which transmitters would be shut after assessing the coverage of each BBC Local Radio station on FM, MW and digital radio, which highlighted stations where MW transmitters duplicated good FM or digital radio coverage. It added that the cost savings from these closures "will allow the BBC to continue to modernize its infrastructure in order to meet our listeners' changing needs. "For most affected listeners, switching to FM or DAB is likely to be the solution for continued reception, although for those without good FM or DAB reception, the BBC points out that the stations are available on Freeview and the internet. Other BBC MW services, including BBC Radio 5 Live's broadcasts on 693 and 909 KHz, are not affected. The process is also not related to the proposed digital radio switchover and the broadcaster has emphasized it has no plans to end FM transmissions of BBC Local Radio services. (mwcircle)

Commercial Radio News City Sport London to broadcast on 558 kHz 3 December, 2017. Former talkSPORT and TWG executive Kelvin MacKenzie is re-entering the radio industry, launching two speech stations in London on AM and DAB. CitiSport will go on medium wave and DAB, with CitiTalk just on digital radio. Both are set to launch in the New Year. Mackenzie has the backing of Bristol City FC owner Stephen Lansdown from Hargreaves Lansdown, as well as Saracens Rugby Club owner Nigel Wray and Charlton FC director Richard Murray. RadioToday understands the medium wave frequency will be 558 AM, which is currently used by Spectrum Radio and was recently given the go-ahead by Ofcom to change to an all-speech format. Kelvin told RadioToday: "London is a global capital and deserves to have its own sports radio station centered on the locale they know. There is only so much of traffic jams from Bangor that our smart and time poor listeners can take. CitiSport says it plans to offer a "more modern, humorous and fresh take on sports radio". (mwcircle)

Radio Caroline AM service to open. Our aerial mast at the transmitter site. Weather and technology permitting, our programs on 648 KHz will commence originating from the Ross Revenge at 7.00AM on Friday 22nd December.

Of course we are delighted to have found and secured what must be the best possible AM transmission site for our service. We thank Cobra Mist Ltd for this facility whilst noting that this is a private site which cannot at this time be visited. (Radio Caroline website via Mike Terry, mwdx yg 18/12-2017)

## WESTERN HEMISPHERE

**ARGENTINA:** 1610 Radio Santa Fe, Canning (BA261) – ex 1680 kHz. (Argentina en AM y FM). 1650 Radio Las Estrellas, Longchamps (BA239) – ex Radio20 de Agosto. Calle Carlos Diehl Nr 2196, Longchamps, Buenos Aires. W: [radiolasestrellas.com.ar](http://radiolasestrellas.com.ar) E: [radio@radiolasestrellas.com.ar](mailto:radio@radiolasestrellas.com.ar) (Argentina en AM y FM) (via Arctic)

**BRAZIL:** 550 ZYL263 Super Rede Boa Vontade, Montes Claros (MG02) – ex Radio Soc. Norte de Minas (AND13)

700 ZYK686 Nossa Rádio, São Paulo (SP32) – ex Radio Nossa Voz (AND13)  
720 ZY1740 Radio Clube de Pernambuco, Recife (PE07) – ex Radio Globo. W: [radioclubepe.com.br/](http://radioclubepe.com.br/) (AND13)  
1020 ZYK202 Radio Eldorado, Porto Alegre (RS) – ex Radio Grenal. W: [redepampa.com.br/eldorado/](http://redepampa.com.br/eldorado/) (web)  
1060 ZYL278 Radio 880, Belo Horizonte (MG53) – ex Radio Grande (AND13) (above all via Arctic)

Brazil continues in the migration process of AM stations to FM. The website [tudoradio.com](http://tudoradio.com) has prepared an exclusive section with update details. The tendency is for this process to evolve more rapidly in the coming weeks. <https://tudoradio.com/conteudo/ver/41-o-radio-migracao-das-ams-para-a-faixa-fm> (Samuel Cássio Martins, dxing.info fb group via [mediumwave.info](mailto:mediumwave.info) 26/11-2017)

Finally, the Brazilian government announced a deadline for the shutdown of a medium-wave station after the change to FM: 180 days. (Rudolf Grimm, ARC)

**COLOMBIA:** 850 HJKC La Popu, Bogotá, as reported earlier, ex Candela 850 AM. "La Popu" is a diminutive to "La Popular", a joint venture between Prisa – Caracol's owner – and Radiópolis – William Vinasco Radio. (Rafael Rodríguez via Mauno Ritola, ARC)

A new AM station in Ibagué: 670 HJ?? Andrea Aldana of the mayor's office in Ibagué has announced that the city will get a new AM radio station on 670 kHz. It is hoped that the station will be on the air shortly as the local administration is anxious to improve relations with the general public. The idea is to create opportunities for the citizens of Ibagué to take active part in the programming of this new radio station. (via GRA blog via DXLD, translation Christer Brunström, ARC)

850 HJKC La Popu, Bogotá, ex Candela  
1120 HJGH 24 Horas Radio, Bucaramanga, new name  
1160 HJEV Radio Eco, Cali, ex Única  
1230 HJTP Caracol Radio, Girardot, ex Colina  
1380 HJMM Cadena Radial Vida, Valledupar. New. Calle 11 # 12 10 Barrio San Joaquín, Valledupar. (All from Fredrik Dourén, ARC)  
1580 HJE66 La Voz del Café, Rovira, ex Celestial (Lars Simm/Henrik Klemetz, ARC)  
1290 HJOI Coneczi3n Radio, Sampedo (Sincedejo) ex Radio Chacuri. (Henrik Klemetz and Jan Edh, ARC 26.12.2017)  
1580 HJRM Sistema Cardenal, Sincedejo. New station network playing Vallenato music for Caribbean Colombia. Ex Caracol. Here with a local announcement for Sincedejo 1580 AM. Other stations in the chain: 1010 Barranquilla, 1050 Valledupar and 1360 Cartagena. E-mail: [coordinadorcomercial@gamezeditores.com](mailto:coordinadorcomercial@gamezeditores.com) (Fredrik Dourén, ARC)

**PERU:** 710 OCU2X Radio Turbomix, Cajamarca (CJ63) – ex 1540 kHz. May have moved to this new frequency. According to Don Moore it has announced this move during his stay in Peru. Not logged on the usual 1540.5 kHz the last weeks neither in Peru nor here in Europe. (Don Moore in [www.donmooredxer.com/lam/sam2017/peru/peruDXMW.html](http://www.donmooredxer.com/lam/sam2017/peru/peruDXMW.html))

1610 OAU6O Radio El Sol, Arequipa (AQ60) – ex Radio Flor de los Andes. E: [radioelsol1610@gmail.com](mailto:radioelsol1610@gmail.com)  
(Don Moore in PlayDX via Giampiero Bernardini, Italy)

MW Offsets in Peru: December 2017 loggings made by Don Moore in Peru, see <https://playdxblog.blogspot.it/2017/12/mw-monitoring-in-peru-off-frequency.html> (Don Moore in PlayDX via Giampiero Bernardini, Italy)

**PUERTO RICO:** Latest Hurricane Maria status update from FCC website, dated 22 December:

42 AM radio stations are confirmed operational (WA2X, WABA, WALO, WAPA, WBMJ, WCMN, WCGB, WCPR, WDEP, WENA, WEXS, WGD, WI2X, WI2X, WI3X, WIAC, WIPR, WISO, WKAQ, WKFE, WKJB, WKUM, WLEO, WLEY, WMDD, WMNT, WMSW, WOIZ, WOQL, WORA, WPAB, WPPC, WPRA, WPRP, WSKN, WSOL, WTL, WUNO, WUPR, WVJP, WXEW and WYEL)

8 AM radio stations are suspected to be out of service (W227, WJDZ, WNVE, WVQR, WYAS, WZCA, WZMT and WZOL)

21 AM radio stations are confirmed out of service by the Puerto Rican Broadcast Association (WBQN, WCMA, WDNO, WEGA, WFAB, WGIT, WHOY, WIBS, WIDA, WISA, WIVV, WJIT, WKVM, WLRP, WNEL, WNIK, WOLA, WOSO, WQBS, WRSJ and WUKQ)

1 AM radio station has unconfirmed status

2 AM radio stations have been issued Special Temporary Authority to be offline (FCC Website, 23 Dec 2017)

**US VIRGIN ISLANDS:** Latest Hurricane Maria status update from FCC website, dated 22 December.

2 AM radio stations are confirmed operational (WSTA and WUVI)

2 AM radio stations are suspected to be out of service (WDHP and WSTX)

1 AM radio station has unconfirmed status (FCC Website 23 December 2017)



**DXpeditions – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334**  
E-mail: [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com)

#### Gary DeBock's Hawaii DXpedition (top 10)

1/6. West coast DXers fed up with cold weather and even colder DXing conditions do have one ultimate solution for both problems – take a quick flight to Hawaii. In Hawaii during the winter the main challenge isn't tracking down TP-DX... it's sorting out the wild TP signal snarls that occur when sunset sweeps over Asia.

During a five day trip to Kona (Big Island) last month over 100 TP-DX recordings were made, including the 10 awesome TP signals linked below. Most of them are probably familiar to TP-DXers here, but one of them apparently hasn't been received on the west coast for quite a few years (621-North Korea). These signals were all received at the ocean beach level at the Royal Kona Resort on the Big Island of Hawaii from December 17-20 using a 7.5 inch (19cm) loopstick CCrane Skywave SSB Ultralight and a 5 inch (13cm) diameter "Frequent Flyer" FSL antenna (specifically designed to easily pass through airports). The antenna provides inductive coupling gain roughly similar to that of a 4 foot (1.2 meter) air core box loop, and a photo of it (and the modified Ultralight portable) is posted at <https://dreamcrafts.box.com/s/rhpgxnnqrzkt5xq5ofc8arqwq0m4cmd>

- 1) 621 **DPR KOREA** Pyongyang BS (VOK Japanese service), Pyongyang, 500 kW. This bizarre transmitter has an obvious buzzing sound, but was strong enough to snarl badly with 621-Tuvalu on most nights. The Japanese service plays the usual North Korean music, with robotic Japanese announcers praising Kim Jong Un and his ancestors. This typical clip was recorded at 0850 on 12/20, temporarily sending Tuvalu down into the noise <https://dreamcrafts.box.com/s/rhfkfs381csgtohlux3e97tj79fsh>
- 2) 621 **TUVALU** Radio Tuvalu, Funafuti, 5 kW. One of the exotic Pacific island stations that's very easy to receive in Hawaii, this station had a rough time with Pyongyang BS (above) and 621-China on most evenings after 0730 UTC. This strong signal features the usual female announcer providing local employment offers at 0750 on 12/18 <https://dreamcrafts.box.com/s/chbg6d1b3xfskb7axw7vhvwa07o0y6c>
- 3) 666 **JAPAN** JOBK, Osaka, 100 kW. No big surprise here, although the 594 NHK1 parallel was hammered by Hawaii splatter. Japanese male conversation was at a local-like level at 0918 on 12/20 <https://dreamcrafts.box.com/s/5sm6pogm45wuukbggvhb8q9i8klpyqh5>
- 4) 747 **JAPAN** JOIB, Sapporo, 500 kW. Overall the strongest Japanese station in Kona, with awesome signals and never any co-channels. The only Japanese station that ever came close in strength was 1134-JOQR, although that had some KBS competition at times. This blowtorch signal was at 0913 on 12/19 <https://dreamcrafts.box.com/s/5v5byw2vzv7azxhzrgsz6j591qwtxyv>
- 5) 774 **JAPAN** JOUB, Akita, 500 kW. The NHK2 flagship station sounded potent at 0857 on 12/18, but never quite up to its 747 parallel's strength (which is the opposite of the usual west coast situation) <https://dreamcrafts.box.com/s/p9aigrhx4ji22gwc7nehalybl46cetj0>
- 6) 819 **DPR KOREA** KCBS, Pyongyang, 500 kW. Overwhelming signals were the order of the day every evening from this bizarre flagship of the KCBS network. This girl group song from the modern Moranbong Band was loud enough to wake up the dead at 1035 (just past local midnight) on 12/19 (thanks to Chris Kadlec for info) <https://dreamcrafts.box.com/s/gj2deffl7mjuzqr5tocsro100sfhql19>
- 7) 846 **KIRIBATI** Christmas Island, 10 kW. This Pacific island station had the strongest signal of any such transmitter – as long as the equipment didn't go on the blink. Multiple signal dropouts were observed, and variable programming delays from the 1440 source were recorded. When it was on the air awesome signals were common, however, such as at 0735 on 12/18 <https://dreamcrafts.box.com/s/zbo418obgvvnj4kvlchxgrzye60e2q0p>
- 8) 981 **CHINA** CNR1, Changchun, 200 kW. This was another overwhelming Asian signal after 0800 on most evenings, and was far and away the strongest Chinese station. This thunderous CNR1 theme music was received at 0900 on 12/18 <https://dreamcrafts.box.com/s/0390gk266y2v675chc196nejoe6qrqxw>

9) 1098 **MARSHALL ISLANDS** V7AB, Majuro, 25 kW. Another Pacific island blowtorch showing up every evening around local Kona sunset, this was one of the very few island stations impervious to the Asian signal onslaught. This typical island music was received at 0815 on 12/18 <https://dreamcrafts.box.com/s/ogc8kz73he7cwtln5gw6ljammluub5p0>

10) 1134 **JAPAN** JOQR, Tokyo, 100 kW. The only commercial Japanese station to make this list, its fast-paced programming usually drowned out the KBS co-channel, as at 0945 on 12/20. Stronger than most NHK big guns! <https://dreamcrafts.box.com/s/7wbk5ocbzaa5phxz9bnpr6bal4hqzgz7>

Honorable Mention: For technical reasons these two stations missed out on the Top 10. 909-Chinese was UnID (one of many such Chinese stations), and because of some Christmas music may possibly have been the 10 kW Taiwan station. Strong children's chanting in apparent Mandarin was heard at 0956 on 12/18 <https://dreamcrafts.box.com/s/0siozv20jkty9ocy0gzl40bnfrp7qxp0>

1593-CN11 would have made the list except it could never quite shake off its pesky NHK2 co-channel <https://dreamcrafts.box.com/s/eybu72zjipo1zb5gz6qh461cfomjly5s>

#### IRCA Slogans List (December 2017)

This completely revised Slogans List includes radio slogans from the US and Canada (over 4500). The 2017 IRCA Slogans List is posted on the IRCA website for all to download. The link is: [http://www.ircaonline.org/editor\\_upload/File/2017 IRCA Slogans List.pdf](http://www.ircaonline.org/editor_upload/File/2017%20IRCA%20Slogans%20List.pdf)

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

Prices: **IRCA/NRC members** – \$7.25 (US), \$8.50 (Canada) \$10.00 (México), \$10.75 (rest of the world). **Non-IRCA members** – add \$1.00.

#### IRCA TIS/HAR LIST (Winter 2016)

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 March 1 2016.

The 2016 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\\_2016.pdf](http://www.ircaonline.org/editor_upload/File/TIS_2016.pdf)

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

Prices: **IRCA/NRC members** – \$9.50 (US), \$11.00 (Canada) \$12.50 (México), \$14.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

#### IRCA Mexican Log, 20th Edition (Winter 2015)

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

Prices: **IRCA/NRC members** – \$9.50 (US), \$11.00 (Canada) \$12.50 (México), \$14.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

#### A DXers Technical Guide, 4<sup>th</sup> 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

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.

#### IRCA Reprints

The IRCA maintains a large file of articles that have appeared in past issues of **DX Monitor**. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. Price for the complete list is \$1.00.

**Also from the IRCA. "IRCA REPRINTS ON CD"!!!** 648 Reprints. The entire set, now on one CD. Categories include: Antennas, Domestic, Foreign, History, DX Lists, Receivers and Receiver Modifications, and Technical. Check out the table of contents at: <http://ircaonline.org/2004ReprintList.htm>.

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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 November through March, twice monthly from April to November.) **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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Sample copies of **DX Monitor** are available at [DXM.EiC@gmail.com](mailto:DXM.EiC@gmail.com)

For information on **subscribing to the IRCA mailing list** at Hard-Core-DX, a group e-mail service, contact the moderator, Lynn Hollerman at [lynnhollerman@yahoo.com](mailto:lynnhollerman@yahoo.com).

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