



DX MONITOR

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International Radio Club of America

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HAPPY NEW YEAR



We are looking for a new editor for **DXWorldWide-West**, **DX Test Coordinator** and backup **Editor-in-Chief**. "DX Monitor" deadline – every **Monday 6 PM PLT**.

2017 CONVENTION

The 2017 IRCA Convention will be in Reno NV on August 17-19 2017 hosted by **Mike Sanburn**. If you are interested in helping Mike, contact him at mikesanburn@hotmail.com.



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

Nominations for the IRCA 2017 Elections

IRCA members, it is time to think about who you would like to represent you as the next club **President**, **Secretary-Treasurer** and **Board of Directors**. Their terms will start on September 15th 2017 per the IRCA Constitution, Article III, Section 5, Part 2. Nominations will be open for President, Secretary-Treasurer, and seven members of the Board of Directors from December 15 2016 through January 31 2017. Only one nomination each for President, Secretary-Treasurer, and only seven nominations for the Board, shall be allowed each IRCA member. An eligible member may nominate his or herself. All nominations must be submitted in written (e-mail) form to the ECC by January 31st, 2017.

IRCA's Election Committee Chairman (ECC) is **Nick Hall-Patch**, who can be contacted via email at: nhp@ieee.org

Nominations Are Open for the TVA and RHA for 2016-2017

Ted Vasilopoulos Award (TVA)

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

Ric Heald Award (RHA)

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

All nominations, including a brief statement supporting the nomination, should be sent to **Nick Hall-Patch**, at nhp@ieee.org
All nominations must be received no later than January 31 2017.



CANADIAN RADIO NEWS – Dan Sys
E-mail: sysdan@gmail.com

Guest editor **Jon Peakins**.

EXTENSION TO CP GRANTED

600 QC Montreal new-cp TTP Media has until June 30 2017 to get this new 10,000 watts (days)/5,000 watts (nights) English language News-Talk station on the air. Will share transmitter site with TTP's CFNV-940.



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

WDXR DEADLINES: Each Friday. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

(RB) **Rick Barton**-PO Box 5503-Peoria AZ 85385 desertmoon_dxshack@inbox.com
HQ-180A and Terk loop; stock GP-5/SSB and SW-2000629

(BB) **Bill Block**-Prescott Valley AZ billblock@cableone.net
R8, Wellbrook ALA1530LNP

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

- 890 KIHC **CA**, Arroyo Grande 12/18 1000 good with music, promo for Immaculate Heart Radio, ID "KIHC Arroyo Grande, San Luis Obispo." (MS-CA)
- 1120 KANN **UT**, Roy 12/22 1050 "Go Tell It" and other popular Christmas tunes, male announcer. Very strong and steady well after local daybreak on GP-5/SSB (this CountyComm radio is a modified repackage of the Tecsun PL-360). (RB-AZ)
- 1180 KOFI **MT**, Kalispell 12/17 0920 news to man with AM and FM frequencies and "KOFI" followed by Peter, Paul and Mary oldie "Leaving on a Jet Plane." Very good on SW-2000629 set for N-S- reception. (RB-AZ)
- 1260 KTRC **NM**, Santa Fe 12/22 2200 network news, returned to The Tom Hartman program. Very good on GP-5/SSB and stock antenna extension. (RB-AZ)
- KPOW **WY**, Powell 12/23 0700 good ID by man, network news, returned to The Tom Hartman program, very good on Hammarlund HQ-180A and Terk loop. (RB-AZ)

- 1350 KTDD **CA**, Bakersfield 12/15 2257 man over Seahawks/Rams game "KTDD." Sadly, it was that, and not what I first thought I'd heard KZTD (Cabot, Arkansas). There are times we wish broadcast stations used phonetic characters as aviation does, where Kilo Tango Delta Delta can't be mistaken for Kilo Zulu Tango Delta. (RB-AZ)
- 1360 KBUY **NM**, Ruidoso heard 12/22 at 0838 with "KBUY" then "K-Buy." (BB-AZ)
- 1430 KLO **UT**, Ogden 12/17 0742 good with call letters and Christmas promotion. (MS-CA)
- Happy Holidays! – Nancy 12/23 1900



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

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood MO NUIHEric@aol.com
 GE Superadio III

DOWN THE DIAL

- 690 CKGM **PQ**, Montreal. 12/16 fair signal in KSTL null, ACI from WLW 700. 0328 noted with local spots, mention of Bell Media into sports talk. [EB-MO]
- 710 KEEL **LA**, Shreveport. 12/20 fair to poor signal, mixing with WOR, WAQI. 0459 noted with "News radio Keel" ID, mention of 710 AM and 101.7 FM, legal ID into Fox News Radio. [EB-MO]
- 1440 WGMI **GA**, Bremen. 12/22 good signal over KTUV, WROK. 0354 noted with a Southern Gospel format, "14-40 the Train" ID. [EB-MO]
- 1460 WKAM **IN**, Goshen. 12/20 fair signal in KHOJ null. 0518 noted with South Bend area spots in Spanish. [EB-MO]
- 1590 KVGB **KS**, Great Bend. 12/22 fair to poor signal, mixing with other stations. 0335 noted with Christmas music, weather forecast and calls. [EB-MO]

FLASHBACK

January 1 1966 issue of "DX Monitor" ... **Tom Jasinski** told about his new receiver, a Radiola #240 ... One article told us of plans by USIA and the US Navy to start radio and TV broadcasting in Viet Nam starting January 21 1966 ... **Don Erickson** was in first place in the letterama DX contest. // December 29 1990 issue of "DX Monitor" contained no forum reports.

OPEN MIKE

Thanks to Eric we have a column this week. Nancy and I hope you had a wonderful Christmas and are ready for 2017 to begin. This column was typed 12-23-16. 73, John



EASTERN DX ROUNDUP – Eric Bueneman (NØUIH) – 631 Coachway Lane – Hazelwood MO 63042-1347
 E-mail: n0uiheric@gmail.com
 DEADLINES: Thursday 2000 EL

TUNING THE DIALS THIS ISSUE:

(KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
 Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop

ACROSS THE DIAL

- 730 WZGV **NC**, Cramerton – 12/16 0628 noted with ESPN Radio programming, "ESPN Charlotte, Your Home for Champions" ID by a male announcer. At 0659, this legal ID was read by a male announcer: "This is Charlotte's Sports Information Source; WZGV AM, ESPN 730 Cramerton/Charlotte". The signal was noted mixing with WTNT and an unidentified talk station. (KK-VA)

EDITOR'S NOTES

Thanks to Kraig for this week's contribution! 73 and good DX in 2017 from NØUIH



DX WORLDWIDE – WEST – Temp: Phil Bytheway – 9705 Mary Ave NW – Seattle WA 98117-2334
 E-mail: phil_tekno@yahoo.com
 all times UTC

Mondays 1201 PM PLT. All times UTC/GMT. We are looking for a new editor for this column, contact me if interested phil_tekno@yahoo.com.

- 594 **JAPAN** JOAK, Tokyo, NHK1. Bits of talk by woman in Japanese through the IBOC noise at 1303 12/21. (NP-AB)
- 613 **UnID.** (4QR?) At 1313 12/24 with carrier signal in moderate KCSP-610 QRM; unintelligible audio briefly at 1320-1321. (RA-OK)
- 693 **JAPAN** JOAB, Tokyo, NHK2. The clear winner among the Japanese today, fair level with English lesson at 1258 12/21. (NP-AB)
- 702 **UnID.** (2BL?) Weak carrier at 1333 12/24. (RA-OK)
- 810 **JAPAN** Tokyo, AFN. Eagle 810 rears its head in the later morning hours. It's almost always there, but fairly regularly it's barely above the mush, but I can "tell" it's there. Fairly regularly the reception is well, fair and sounds like this recording on 1853 12/14
http://onairdj.com/AFNTheEagle810_12142016_953am.mp3. What's kind of interesting is when this signal is good, it never stays good for long... it'll pop above the mush for 30 seconds, 2 maybe 3 minutes usually before fading into oblivion. The clip above from 12/14 had reception hanging around for over 20 minutes or more. However, on 12/20 between 1915 and 1921, I had some pretty good reception for a little while. The signal was about as good as I've ever heard them and included the tail end of a PSA, a station liner along with two pop music songs. Two clips from 12/20:
<https://www.youtube.com/watch?v=bPwIUAN8Js> and <https://www.youtube.com/watch?v=sx-LKNUITTA>. In that second clip, you can hear how quickly the signal turns to mush and how mushy and messy it gets. It's easy to spot an AFN station because the majority of their few AM signals that are left which play music are playing hit/pop/current music. (PW-AK)
- 828 **JAPAN** JOBB, Osaka, NHK2. Could make out the time pips at 1300 12/21, but just the odd trace of talk after that. (NP-AB)
- 1008 **AUSTRALIA** 4TAB, Brisbane, Radio Tab. 10kw and very directional. 3 tower array. I think the NE lobe from 4TAB must be smack pointed right at Galena AK. Recorded at 1011 12/23 with a very good signal <https://www.youtube.com/watch?v=JQjrBtmG-Dw>. The station is mainly horse racing results and play by play of horse races. They got a power upgrade from 5 to 10kw in 2001 and operate 24/7 on generator power from an island off Brisbane. (PW-AK)
- 1377t **CHINA** Xinyang, CNR1. Even managed a few seconds of threshold audio, along with a presumed 1503-JOUK (no NHK1 parallel available). The low band was distinctly anemic, with 594, 693 and 774 practically missing in action. (GDB-WA)
- 1566 **REP KOREA** HLAZ, Jeju, FEBC. First noted at 1342 12/19 with woman talking, then piano music. Interestingly that was the same time Richard had them in OK. Was in and out the next hour here, never better than fair. (NP-AB)
 +Was the main star, reaching huge levels even on an experimental 5 inch "Baby FSL." Its Japanese service hit many S9 peaks from 1300-1340 12/20. (GDB-WA)
 +Japanese service at a thunderous level at 1311 12/20; the pulsing, high-pitched tone every 2 seconds is the North Korean Jammer (which sounded pretty wimpy up against HLAZ this morning) <https://app.box.com/s/ikfr1cbockz9ui153xijgh437k7yxs28>. (GDB-WA)
 +Monitored 1320-1400 12/20 (LSR 1337). Japanese service was barely audible at 1336; poor from 1340 to close at 1344:30; Chinese language heard at 1345; barely audible Chinese talk in XERF-1570 splatter at 1352; music at 1354; fading away at 1356 with fragmentary signal traces until 1359. Signal was not as strong as yesterday. (RA-OK)
 +Didn't check until later today, but heard Christian music, with talk by man and woman at 1459 12/20. (NP-AB)
 +Poor, but definitely man and woman talking in Japanese at 1302 12/21. (NP-AB)
 +I was recording the station as part of an A/B antenna test. Had S9 peaks around 1257 12/21, along with its partner (the North Korean Jammer) which had peaks of around S5. <https://app.box.com/s/owdvvzi0kulsvlpvnv0mk6uyx8ovtrqn0>. (GDB-WA)
 +With fragments of audio at 1310 12/21; barely audible (unintelligible) talk at 1314; faded away after 1316 with only traces of a signal until 1344. Reception definitely wasn't as good as the past two days. No other TP signals were detected. (RA-OK)
 +Barely audible in moderate XERF-1570 QRM at 1336-1344 12/24. (RA-OK)

- 1575 **THAILAND** Ban Phachi, VOA. Presumed the one heard very weakly at 1458 12/19 with "Joy to the World" then talk by woman. (NP-AB)
 +Presumed the one with traces of audio at 1501 12/20. A second decent carrier there today too, about 10 Hz low. (NP-AB)
- 1593 **CHINA** Changzhou, CNR1. Heard a mix of the CNR and NHK time pips at 1500 12/20, but at 1502 it was CNR with a woman talking (news?) on top. This was actually the strongest TP today, a bit better than 1566. (NP-AB)
UnID. (CNR?) Barely audible fragments of audio at 1347-1348 12/20. (RA-OK)

PAN AMERICAN DX ROUNDUP

- 890 **CUBA** CMBC, Chambas. 12/17 good in KDXU null. 0439 with "Radio Progreso" and mention of transmitting from Havana, Cuba during Spanish language programming. First time heard from Mesa. (JcJ-AZ)

ODDS AND ENDS

12/20 (via IRCA eGroup). I know from my own extensive experience that jammers change their sound over long distances (from my own words, as a matter of fact), but it doesn't sound like the 1566 laser jammer. The sound is too... smooth, and the pattern is too consistent and spread apart for it. It would be less consistent as it tries to break through typical audio, as you can hear in the clip below. But then again, I didn't hear any of your audio outside this clip, so it's hard to truly judge, and I don't know what the jammer would sound like overseas where it would obviously be mixing with Jeju's directional signal. I just feel it would be a hard time justifying this one as the jammer, in my opinion anyway, from someone who used to hear this pain in the ass every night.
http://beaglebass.com/dx/external/Jammer_1566_Laser.MP3.

I am curious if any of you receive the super-powered 1467 jammer (//1566) in North America though, or any of the other North Korean jammers. That thing on 1467 has some serious oomph! But I feel it's aimed south. I have that feeling for most of the jammers, which are certainly high enough power to be heard across the Pacific, unless aimed south.

Chris Kadlec

12/20 (via IRCA eGroup). I recall a certain group mistakenly believing that same 1566 jammer was from Yanbian too, until I notified that it most certainly was not since Yanbian People's Radio could not broadcast from the same town as a high-powered jammer. :o)

My recordings of 1566 while in Seoul in early November clearly show the jammer is "exactly" as it was in the past, as 1467 is as well. Nothing has changed with either of those signals (ie the actual jamming sound of them as heard locally). 1467 is the same laser jammer at the moment as I listen to it. 1566 is the same too as I'm listening to it right now.

However... with that said, North Korea does use a different type of jammer than the south does, technology-wise. The 1584 jammer starts out low and gradually sounds bigger before it eventually self-destructs (no better way to put it) and starts over again. You can see the whole hilariously awkward process on the SDR actually, as I have saved images of it.

It's possible that everyone is hearing this same process in the audio of the 1566 jammer but not hearing the actual laser-like sound as you seem to be suggesting too. Jammers sound different from a distance, absolutely. The signal sounds... wider somewhat, a lot like 1206 Yanbian... that loud hum their signal has that shows as a really wide line on the SDR and kind of kills the clearness of their audio. I hear that same sort of hum when the jammer is behind Jeju and it's possible in coordination with the jamming noise, it is cycling every 2 seconds, which is what you end up picking up from it and may also explain why the sound sometimes peaks and gets louder over Yanbian in my recordings of it.

Jeju is too strong on my friend's SDR to "clearly" hear the jammer, as compared to the signals in the city, which usually heavily favor Pyongyang and northeast China. And Yanbian is, as usual, interfering with it too.

That's the best explanation I can give (aside from a totally separate north-aiming jammer I cannot receive in Seoul over a local south-aiming one), because these jammers have not changed at all, not as heard locally anyway. Mauno should always feel free to ask me about these things too. Even if I'm not in Seoul, many of my radio friends are and I can access some of their equipment online when needed. Just seemed silly to me to go through asking people from other countries for help when you've got someone with Pyongyang as daytime locals less than 100 miles away. :)

Those recordings are ... interesting though, although I'd never have the patience to deal with a mere hum....

Chris Kadlec, Seoul AM Radio Listening Guide

THANKS TO THESE REPORTERS

- GDB-WA **GARY DeBOCK**, Puyallup WA
 7.5" loopstick C.Crane Skywave + 15" FSL antenna, Stand-alone 3" FSL Tecsun PL-380
- JcJ-AZ **JOHN C JOHNSON**, Mesa AZ
 IC-R75, Wellbrook ALA1530LNP loop
- NP-AB **NIGEL PIMBLETT**, Dunmore AB
 Perseus SDR with a Wellbrook Phased Array
- PW-AK **PAUL WALKER**, Galena AK (via eGroup)
 Grundig Satellit 750, Lowe HF225, 2 225 foot long wires, Wellbrook ALA 1530 LNP, DXEngineering HF PreAmp
- RA-OK **RICHARD ALLEN**, near Perry OK
 WR-G313e, ALA1530LNP-NA. C Crane Skywave and Tecsun PL-380 with an 8-inch FSL antenna.



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

Deadlines: 12/31, 1/7, 1/14, 1/21, 1/28, 2/4, 2/11, 2/18, 3/3 – anniversary. 3/18. 7/1. 4/15. 4/28. 5/13. 5/27. 6/10. 6/24. 7/15 and 8/12

Eric Bueneman, 631 Coachway Lane, Hazelwood, Missouri 63042-1347

On the morning of February 15 2016, I woke up with my arm shaking somewhat violently; I could not open the morning paper. When I got back to my bed, I could not stand up on my left leg. An MRI and angiogram revealed that I had suffered a stroke; a congenital deformity was found in my brain. As I write this Forum, I'm walking with the aid of a cane; I've lost some dexterity in my left hand. I took several months away from the dials to concentrate on recovery; five weeks were spent in a rehabilitation hospital in St Louis. There have been a number of changes on the dial here in the St Louis area. Three AM stations have added FM relays: KXEN 1010 St Louis MO is now relayed on K283CI 104.5 (99 watts, also licensed to St Louis); their hours have been reduced to 0600 to 0100 ELT. Also adopting this schedule is sister station WGNU 920 Granite City IL. KLPW 1220 Union MO is now being relayed on K224EZ 92.7 (250 watts, also in Union). WRYT 1080 Edwardsville IL has added a third FM relay in W224DC Caseyville IL (250 watts); they're also relayed on KHOJ 1460 St Charles MO. An FM relay is also being planned for WGNU. The use of FM relays tend to increase coverage of lower-powered AM stations. An example is W232CR 94.3 Alton IL, which relays WBGZ 1570. Their 74-watt night signal barely makes it to my shack; some nights, it's covered up by XERF. The FM signal (250 watts) is much better at night at my shack. Another new relay is K254CR 98.7 St Louis MO (250 watts), relaying KFTK-FM 97.1 Florissant MO. Speaking of KFTK, they've added an AM signal, taking over the former WQQX 1490 East St Louis IL (which changed calls to KFTK, to match the FM), simulcasting a conservative-leaning News/Talk format. The Fox Sports Radio programming is now heard on KFNS 590 Wood River IL. Other programming changes of note: WQQW 1510 Highland IL dropped its Regional Mexican format and reverted to Classic Country, calling itself "Madison County's Hometown Station". Sister station KQQZ 1190 De Soto MO has added "Red Eye Radio" to its programming lineup; both stations are owned by Entertainment Media Trust, doing business as Insane Broadcasting. With the loss of the Rams to Los Angeles, KQQZ is carrying the Chicago Bears, while KMOX 1120 is carrying the Kansas City Chiefs this year. WGNU 920 dropped CBS Sports Radio on weekdays in favor of Business News; Urban Gospel programming remains on the station on the weekends (a holdover from the Chuck Norman days). KXFN 1380 St Louis MO returned to the air after Thanksgiving with Christmas music from the Salem Music Network; they will likely go Southern Gospel after Christmas. I've also added new equipment to the shack over the summer; I bought a Uniden Bearcat BCD996P2 scanner, which decodes most digital trunked radio systems, including APCO P25. In April, my FM/TV antenna setup blew down in a severe thunderstorm; the FM antenna (an Antenna Performance Specialties APS-9B nine-element Yagi) sustained minimal damage; the TV antenna (a Winegard HD8200U) sustained enough damage to warrant replacing it with a Channel Master CM3020 VHF/UHF antenna. New logs this season include WHIN 1010 Gallatin TN (09/21 at 0327 ELT), KGAF 1580 Gainesville TX (10/27 at 0224 ELT) and WRCR 1700 Rumpak NY (12/05 at 0450 ELT), along with call changes for KFTK 1490 and KAFN 690. Total as of 12/15 stands at 1,652. Merry Christmas, Happy Hanukkah and Happy New Year to all! 73.



VERIFICATION SIGNERS – Stephen S Howe – 9 Warner Dr – St Albans VT 05478-1575
E-mail: showe@albany.edu

My deadline is the last Monday of the month at 1500 ELT.

CONTRIBUTOR

IRCA IRCA ListServ

FREQ CALL NAME, TITLE; ADDRESS; WHAT; WHEN; WHO

1150 WAVO Sandra Hendricks*, AdminAsst to GM; LP; 17; IRCA [sandrahendricks@bellsouth.net; station in Rock Hill SC, but mailing address is PO Box 18614, Charlotte NC 28218-0614]

WHAT was received: L = Letter with personalized statement; F = Form letter; Q = QSL card, commercially printed; C = Postcard or similar card supplied by station; P = Prepared card or form supplied by DXer; R = DXer's report returned with statement; cf = Certificate; E = Verification by e-mail; fx = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies

WHEN the reply came: Number of days elapsed; f = Follow-up, by mail, FAX, e-mail, or visit; n = Return postage not used; r = Return postage returned

NOTES: * [For this column] = Signer's e-mail address and station mailing address provided by SSH

This column was prepared on 12/26/16. Best wishes for a Happy 2017! 73, SSH.

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/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.

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>.

Prices: **IRCA/NRC members** – \$10.00 (US), \$11.00 (Canada) \$11.50 (México), \$12.50 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

"DX Monitor" on DVD

IRCA's regular bulletin "**DX Monitor**" Volumes 1 through 50 in .pdf format on 2 DVDs. Re-live the days gone by and re-introduce yourself to the former members who helped make the IRCA great!! NOTE: You will NEED a DVD reader to open the .pdf files. These files were TOO LARGE to use regular CD's.

Prices: **IRCA/NRC members** – \$15.00 (US), \$16.00 (Canada) \$16.50 (México), \$17.50 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

To order from the IRCA, send the correct amount (in US funds payable to **Phil Bytheway**) to: **IRCA, 9705 MARY NW, SEATTLE WA 98117-2334**. Or, order through PayPal [add \$1.00] to email: phil_tekno@yahoo.com (Phil Bytheway). Please state club affiliation when ordering.

The **IRCA** is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from 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.

CLUB OFFICERS AND CONTACT INFORMATION

President: Phil Bytheway, 9705 Mary Ave NW, Seattle WA 98117-2334 **E-mail:** phil_tekno@yahoo.com (all proposals, suggestions and gripes go here)

Secretary-Treasurer: Lynn Hollerman, PO Box 60241, Lafayette LA 70596
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Board of Directors: Bill Block – billblock@cableone.net, Dennis Gibson – wb6tnb@yahoo.com, John C Johnson – John_Johnson@prodigy.net, Patrick Martin – mwdxer@webtv.net (Chairman), Bruce Portzer – bpportzer@comcast.net, Mike Sanburn – mikesanburn@hotmail.com and Robert Wien – wienbob@aol.com

Publishing Committee: Temporary Editor-in-Chief: Phil Bytheway, 9705 Mary Ave NW, Seattle WA 98117-2334
E-mail: phil_tekno@yahoo.com (all material for publication goes here).

MEMBERSHIP DUES

Destination	Rate
USA	\$10
Canada and Mexico	\$10
Western Europe	\$10
Australia/NZ/Japan	\$10
Rest of world	\$10

Make checks and Money Orders in US funds payable to IRCA.

All dues and address changes go to: **IRCA, PO Box 60241, Lafayette LA 70596**

Pay electronically with PayPal – add \$1 to the price above. Go to www.paypal.com, then send your dues to ircamember@ircaonline.org – contact Lynn Hollerman for more information.

Sample copies of DX Monitor are available at phil_tekno@yahoo.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.

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