



DX MONITOR

The official publication of the
International Radio Club of America

September 1 2018 – Volume 56 Number 02 – Edition 1779 – ISSN 899-9733

IRCA welcomes: **David Green** – Lexington KY (rejoin) and **Summer Cole** – Carl Junction MO. Next **Seattle** deadline (V56, N03) **Monday 9/10/18 4 PM PLT** – pb.

Updated IRCA TIS/HAR LIST (Summer 2018)

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The **IRCA TIS/HAR LIST** lists all US and Canadian TIS/HAR stations, by frequency, including call letters, state (province,) city, county, licensee, address. Updated 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.

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

2018 IRCA Convention

The 2018 IRCA convention will be held at the Best Western Plus Charles Inn in St Charles MO on September 7 and 8 2018. The hotel is located at 1425 S Fifth Street in St Charles, NW of I-70 exit 229B, or the first exit west of the Missouri River, eight miles west of the Lambert St Louis International Airport. The room rate is \$104.99 a night for either a standard king or two queens. The phone number to call the hotel directly to make reservations for that weekend is (636) 946-6936 or toll-free at 1-888-274-0988. When calling to make the reservation, you must mention the code IRCA to get the rate. There is a block of 30 rooms reserved at that rate for each night for your choice of a single or double bed, your choice. Reservations must be made by August 7 2018. One note, if all the rooms for this block sell out, then the meeting room at the hotel will be complementary. **Registration for IRCA members is \$0**; registration for non-members is \$25 per person with free breakfast. There will be a tentative radio tour of KCLC FM 89.1 at Lindenwood College in St Charles as well as another possible radio tour and a possible tentative radio tower visit. The annual Banquet is out of pocket and at **Culpepper's**, just down the street from the hotel at 3010 W Clay St, St Charles MO 63301 (burgers, catfish, broccoli Alfredo pasta, chicken strips, etc – <https://www.culpeppers.com/Home>). Your host for the convention is **Ken Hawkins**. You can either email him at StLouisHerdFan@gmail.com or you can call him on this cell phone at (636) 577-4295. Registration and auction items can be sent to **4034 San Fernando Ln, St Charles MO 63304-2829**.

Make your plans and reservations now for the 2018 IRCA convention as this will probably be one of the best! **All DXers are welcome!**

This year's **IRCA** convention will be an excellent chance to re-connect with old friends and to share DX stories. Speaking of sharing, we issue our annual **call to action** for those who wish to present a talk or paper during the convention. As you know, this can be as *formal* or *informal* as you want. To make it easier, we can provide you with audio-visual support, including slide-preparation and display.

If you're interested in sharing your experiences... or if you want to present questions for discussion that might lead to a better understanding of a particular aspect of your own DXing, please contact Mark Durenberger at Mark4@durenberger.com



BROADCASTING INFORMATION – **Robert J Wien** – 14051 Belle Chasse Blvd #415 – Laurel MD 20707
E-mail: wienbob@aol.com Phone: 301-477-3733 Column Deadlines: Saturdays

DATE OF COLUMN: August 25 2018 **Column data span:** August 11-25 2018, Data courtesy of **Stationintel.com**, FCC database and member contributions.

CALL CHANGE

FREQ	OLD CALL	CITY OF LICENSE	NEW CALL
810	WDMP	Dodgeville, WI	WZRK

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ	CALL	CITY OF LICENSE	NEW INFORMATION
550	WSAU	Wausau, WI	old slogan: "550 NewsRadio", new: "550 News-Talk-Sports"
580	WKTY	La Crosse, WI	was SB Nation Radio, now CBS Sports Radio, old slogan: "The Ticket", new: "WKTY Sports Radio"
620	WZON	Bangor, ME	old slogan: "Z62", new: "Z62 – Retro Radio"
810	WZRK	Dodgeville, WI	was country, now rock, old slogan: "D 99 Point 3", new "Z Rock"
830	WUMY	Memphis, TN	was classic hits, now new unknown format
900	WCPA	Clearfield, PA	old slogan: "The Oldies Channel", new: "Passport Radio"
910	WLTP	Marietta, OH	old slogan: "News Talk 910", new: "News Talk 910 WLTP"
1080	WHOO	Kissimmee, FL	was Westwood One NBC Sports Network, now Relevant Radio religious teaching, old slogan: "1080 The Team", new: "Relevant Radio"
1130	KPHI	Honolulu, HI	old slogan: "Hit Filipino Radio", new: "Mix 96.7"
1180	WGUE	Turrell, AR	was classic hits, now new unknown format
1190	WAMT	Pine Castle-Sky Lake, FL	was news/talk, now Relevant Radio religious teaching, adds slogan: "Relevant Radio"
1310	WCCW	Traverse City, MI	was sports, now oldies, old slogan: "1310 The Score", new: "AM 13"
1400	WZAZ	Jacksonville, FL	was silent, back on with new unknown format
1430	WOWW	Germantown, PA	was country, now classic hits, old slogan: "95.3 The Rebel", new: "Guess FM"
1440	WRGM	Ontario, OH	old slogan: "ESPN Radio 1440", new: "ESPN Radio 106.7"
1470	WMGG	Egypt Lake, FL	old slogan: "96.1 La Mexicana", new: "96.1 Calliente"
1490	WTUP	Tupelo, MS	was classic hits, now alternative rock, old slogan: "Big 99.3", new: "Alt 107.7"
1510	WJOT	Wabash, IN	was oldies, now classic hits
1550	WNTN	Cambridge, MA	changes city of license from Newton to Cambridge
1580	WLIM	Patchogue, NY	was ethnic, now Radio Cantico Nuevo Spanish contemporary Christian, adds slogan: "Radio Cantico Nuevo"
	KGAL	Lebanon, OR	old slogan: "News-Talk 1580", new: "SmartTalk"
1600	WARU	Peru, IN	was adult contemporary, now oldies, old slogan: "The Official 101.9", new: "AM 1600"

Well, still got my injured back and knee, still on short-term disability until further notice (at least until 9/6/18, I'm scheduled for an MRI in Baltimore MD on 9/4 and then likely will get a steroid epidural injection into my back after that which will hopefully finally relieve the pain and I may be able to go back to work soon after that, cross fingers). Pain seems to be slowly subsiding; I'm also in physical therapy. In meantime, been doing some DXing the last few days around sunrise, sent my tips to Eric, hope everyone else is doing the same. The IRCA 2018 convention is coming up shortly, hope a lot of people attend and show support for the club, buy a great auction item and help the club out! Getting towards end of summer, schools starting soon, football also starting, and both my baseball teams (A's and Giants) are thick in the playoff hunt still. Hope everyone has a great end of August, enjoy the Labor Day weekend upcoming, have a DX BBQ!! 73's. Bob Wien



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

WDXR DEADLINES: September 7, September 21, Sept. 28, Oct. 5, Oct. 12, Oct. 19, Oct. 26, Nov. 2, Nov. 9, Nov. 16. Please use Eastern Local Time.

REPORTER FOR THIS ISSUE:

(RB) **Rick Barton**-PO Box 5503-Peoria AZ 85385 **desertmoon_dxshack@inbox.com**

Grundig Satellit 205 (T.5000) with internal loop, barefoot ATS-909X, GMC Sonoma truck dashboard radio, and SW-2000629 with Terk loop

- *****
- 890 KDXU **UT**, Saint George 8/15 1015 "On Newstalk 8-80 KDXU," local weather. Refreshing local morning program. Good on barefoot ATS-909X, and well after local daybreak. (RB-AZ)
 - 1040 WHO **IA**, Des Moines 8/24 0003 woman with local weather, to man "On Newsradio 10-40, WHO." Very good, and dominating the channel, though just over a tremendous amount of T-storm static crashes. (RB-AZ)
 - 1210 KHKR **UT**, Saint George 8/20 2200 nothing local here, a lot of canned NBC and ESPN references, promos, and spots. But, good ID on the hour. Heard on ATS-909X at local sunset, well over the co-channel interference. (RB-AZ)
 - 1650 KFOX **CA**, Torrance 8/15 1030 woman with monologue in Korean, local references at the bottom. Good on GMC Sonoma dashboard set. (RB-AZ)
 - 1670 KHPY **CA**, Moreno Valley 8/20 0100 religious lecture by man in Spanish to young sounding woman on the hour with an ID, into another religious sermon. Good on barefoot Satellit 205. (RB-AZ)
 - 1680 KGED **CA**, Fresno 8/12 0940 heard well after daybreak, fire and brimstone preacher, in and out of static on barefoot ATS-909X. (RB-AZ)
- UnID**
- 1320 UnID KXYZ(?) 8/21 2315 Ethnic music, sounded Arabic, dominating the channel for 5 minutes at a time, then fighting it out with KIFM. Out and then dominating at 2345. Midnight Eastern ID was lost in a jumble as KIFM decided to rise again in a Murphy's Law moment. Music program was interesting at least. Good on Satellit 205, internal loop. (RB-AZ)

Thank you to Rick for our WDXR this issue. – Nancy 8/24 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 **N0UIHEric@gmail.com**

General Electric Superadio III, CountyComm GP-5/SSB Ultralight receiver, Grundig AN-200 tunable loop

[GH-IL] **Greg Harris**, Park Forest IL **wdx9khy@sbcglobal.net**

FRG100B, Quantum Loop

DOWN THE DIAL

- 540 CBK **SK**, Regina. 8/18 fair signal over WAUK, ACI from KTRS 550. 0459 noted with "CBC Radio One" ID, promo into CBC News. [EB-MO]
- 1050 CHUM **ON**, Toronto. 8/18 fair signal, mixing with WNES, WTWG, XEG. 0329 with local spots, "TSN 10-50" ID into *ESPN Sports Center All Night*. [EB-MO]
- 1280 KYRO **MO**, Troy. 8/18 fair to poor signal, mixing with WGBF and other stations. 0400 noted with "Westplex news, talk 12-80 KYRO and KYRO-dot-com" ID into CBS News. [EB-MO]
- 1300 WLXG **KY**, Lexington. 8/17 weak with interference. 0100 with "WLXG... Lexington" portion of legal ID. [GH-IL]
- 1320 WJAS **PA**, Pittsburgh. 8/18 briefly strong, lost. 2205 with Pittsburgh weather report read by male announcer. [GH-IL]
- 1330 KNSS **KS**, Wichita. 8/12 briefly strong then vanished. 2151 with promo, "...mornings six until 9 on KNSS" by male announcer. [GH-IL]
- 1340 KSMO **MO**, Salem. 8/14 fair to poor signal, mixing with WSOY and other stations. 0543 noted with "KSMO" ID into Country format. [EB-MO]
- 1360 KPHN **KS**, El Dorado. 8/14 fair to poor signal, mixing with KSCJ, WSAI. 0553 noted with The Holy Rosary broadcast, legal ID and "Catholic Radio" mention. [EB-MO]
- 1440 WKPR **MI**, Kalamazoo. 8/15 very strong for about 4 minutes then gone. 0635 with "Good News Radio WKPR" by male announcer. [GH-IL]
- 1600 KGYM **IA**, Cedar Rapids. 8/23 strong, no trace of WAAM. 06:57 with "...that's news on KGYM" by male announcer. [GH-IL]
- 1650 KBJD **CO**, Denver. 8/18 fair signal over KCNZ, KFSW. 0456 noted with "Radio Luz" ID, local spot and Christian feature in Spanish. [EB-MO]
- 1680 WPRR **MI**, Ada. 8/18 fair. 2259 with "...right here on WPRR" ID by male. [GH-IL]

OPEN MIKE

CDXR welcomes Greg Harris of Park Forest IL. The 2018-19 DX Contest starts September 1st. This column was typed 8-24-18. 73, John



EASTERN DX ROUNDUP – Eric Bueneman (N0UIH) – 631 Coachway Lane – Hazelwood MO 63042-1347
E-mail: n0uiheric@gmail.com **DEADLINE: Wednesday 9/5 2359 ELT**

TUNING THE DIALS THIS ISSUE:

(PS-ON) **Paul Snider**, Thorold ON, Canada **paulisnider@yahoo.ca**

Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner

(RW-MD) **Robert Wien** (KG6RJW/3), Laurel MD **wienbob@aol.com**

CCrane 2 receiver

ACROSS THE DIAL

- 540 WFLF **FL**, Pine Hills – 8/21 0607 noted with "Newsradio 102.5" ID, Good Morning Orlando and local traffic report. A good signal was noted over the mess. (RW-MD) (Newsradio 102.5 refers to W273CA Orlando FL – eb)
- 550 WKRC **OH**, Cincinnati – 8/21 0547 noted with ad for Delta Dental of Ohio, "55 KRC, the Talk Station" ID. A good signal was noted in WGR null. (RW-MD)
- 990 WNTI **PA**, Somerset – 8/21 0638 noted with PSA for Mothers Against Drunk Driving, mention of "Laurel Highlands Weather", ad for a local exterminator mentioning "serving the Laurel Highlands", mention of Hooversville before fading out. A good signal was noted; alone on channel. (RW-MD) (WNTI 990 is actually licensed to Somerset, SSW of Johnstown on the Pennsylvania Turnpike – eb)
- 1070 WKOK **PA**, Sunbury – 8/21 0655 noted with "Newsradio 98.9" and "WKOK" IDs, mention of a phone number in Area Code 570. A good signal was noted over other stations. (RW-MD) (Newsradio 98.9 refers to W255BL Bloomsburg PA – eb)
- 1290 WHIO **OH**, Dayton – 8/21 0508 noted with "1290 WHIO" ID. A good signal was noted, briefly on top of other stations. (RW-MD)
- 1450 WHNK **WV**, Parkersburg – 8/22 2140 noted with *The Word for Life*, including a request for donations in celebration of the show's 50th Anniversary, "Faith Talk 1450" ID at 2144 before returning to the program. A poor to very poor signal was noted, mixing with CHOU and other stations; confirmed via Tune-In Web stream. (PS-ON)
- 1470 WFNT **MI**, Flint – 8/21 0610 noted with ads for Michigan businesses and a local (Flint) business, "Newsradio 1470" ID. I heard this station as WKMF on 1,000 watts from San Jose, CA in 1980; verified then! A good signal was noted over all other stations on channel. (RW-MD)
- 1500 WBZI **OH**, Xenia – 8/23 2033 noted with a Country format, "Country Radio WBZI" ID at 2039 into another music set. A very poor signal was noted, mixing with WFED, WLQV and other stations; confirmed via Tune-In Web stream. (PS-ON)
- 1570 WWCK **MI**, Flint – 8/21 0540 noted with "Super Talk 1570" ID. Noted atop frequency. (RW-MD)
 +8/21 0603 noted with state news, "Michigan News Network" mention. Noted atop frequency; eventually faded to an unidentified Christian station. (RW-MD)

- 1590 WGGO **NY**, Salamanca – 8/20 2148 noted with a promo, “1590 WGGO” ID, local ads into Oldies format before getting covered by WAKR. A fair at first to very poor signal was noted in a mix of stations. (PS-ON)
- 1590 WCSL **NC**, Cherryville – 8/21 0530 noted with ads for Shelby, Kings Mountain and Cherryville, mention of Area Code 704. The signal was in very well over other stations; listed as 10,000 watts during the daytime. (RW-MD)
- 1680 KRJO **LA**, Monroe – 8/23 0034 noted with Adult Hits format, promos with mentions of Monroe and Louisiana, “99.7 My FM” IDs at 0036 and 0040. A good to poor signal was noted, mostly alone on channel with possible WPRR underneath. Day power suspected. (PS-ON)

UNIDENTIFIED

- 1370 UnID 8/21 0614 looping WNW/ESE from Laurel; just faded over the mess with an ID that sounded like “WDAV”. (RW-MD) (Bob, you heard the phonetically similar WTAB Tabor City, NC; it’s been heard a few times in Hazelwood – eb)

EDITOR’S NOTES

Thanks to Paul and Bob for their logs in this issue. **Note the early deadline for the next EDXR**; I’m attending the Convention; I would like to have the column done before I go to Saint Charles. 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 ***

- 640 **CUBA** Radio Progreso, Guanabacoa, Ciudad de la Habana. AUG 8 0729 – noted with up-tempo vocal music, brief announcements in Spanish. A fair to poor signal was noted, mixing with KWPN, WCRV and WOI, splash from KYFI 630. [EB-MO]
- 670 **CUBA** Radio Rebelde, Arroyo Arenas, Ciudad de la Habana. AUG 8 0719 – noted with light vocal music, announcements in Spanish at 0730 //5025. A fair to poor signal was noted through WSCR. [EB-MO]
- 710 **CUBA** Radio Rebelde synchronos. AUG 8 0744 – noted with light vocal music, announcer taking phone call in Spanish //670, 1180 and 5025. A fair to poor signal was noted, mixing with WAQI and WOR, splash from WLW 700. [EB-MO]
- MEXICO** XEDP, Cuauhtemoc, Chih. AUG 15 1143 – full ID for La Ranchera de Cuauhtémoc, 1144 TC as 5:43, in newscast. That’s XEDP in Chihuahua, not using its off-frequency transmitter today. [GH-OK]
- 760 **MEXICO** XEABC Mexico City, DF. AUG 3 1040 – noted with Mariachi music, “ABC Radio” ID in Spanish. A fair to poor signal was noted with no sign of WJR. [EB-MO]
- 1050 **MEXICO** XEG Monterrey, NL. AUG 3 1027 – noted with Ranchera music, local ads, “XEG” ID in Spanish. A fair to poor signal was noted, mixing with CHUM, KLOH, WNES and WTWG. [EB-MO]
- 1180 **CUBA** Radio Rebelde synchronos. AUG 5 0920 – noted with light vocal music, announcements in Spanish //5025. A fair to poor signal was noted, mixing with WGAB, WHAM. [EB-MO]
- 1570 **MEXICO** XERF Ciudad Acuña, Coah. AUG 5 0845 – noted with local ads, brief speech mentioning Mexico into Norteña music. A fair to poor signal was noted, mixing with WBGX, WBGZ and WTRB. [EB-MO]

CONTRIBUTORS

EB-MO **ERIC BUENEMAN**, NØUIH, Hazelwood MO, USA
General Electric Superadio III

GH-OK **GLENN HAUSER**, Enid OK (via direct and DXLD eGroup)

DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; Nissan stock caradio as specified; ICR-75 E-W longwire

73 and Good DX, Brandon



DXpeditions – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334
E-mail: DXM.EiC@gmail.com

August Rockwork Cliff DXpedition – Overall Summary

8/27. A group of 5 determined DXers once again set up on the plunging Rockwork ocean cliff on the Oregon coast near Manzanita this month, tracking down multiple South Pacific stations – especially those for which the Cliff is famous for providing a potent propagation boost. This summer there was a little added excitement thrown in as we competed with an expanded group of “sleeping squatters” for antenna setup space, often pushing our luck by setting up in total darkness right next to total strangers in junk vehicles at 0400 local time. The crowded real estate forced us to spread out from the usual Rockwork 4 location to four additional turnoffs, providing not only the chance to test out our antennas at new DXing sites, but also a chance to test out our psychological skills in dealing with bizarre squatters having multiple issues. “Frequent Flyer” Craig Barnes accompanied me (with his Baby FSL) to four different turnoffs in seven days, while Nick was busy setting up relative signal strength tests all around (and below) the cliff. Somehow Tom was able to set up at Rockwork 4 during all his sessions, while Chuck seemed to alternate between Rockwork 4, 3 and 2. There was little or no chance of DXer interaction when set up at different turnoffs, although we usually gathered for a debriefing session after the DU propagation had fizzled.

As usual the Rockwork cliff provided its famous “Kiwi Magic,” with obscure New Zealand stations coming out of the noise in droves. 531-More FM seemed to have some kind of antenna upgrade as it gave PI some serious competition each session, and both 558-Radio Sport and 576-Star sounded pretty healthy on a couple of occasions. The extremely rare 585-Radio Ngati Porou made its first appearance in five years, while 594-Star and 639-RNZ managed their best signals ever. A special occasion was the S9+ appearance of the 1 kW 936-Chinese Voice on August 3rd, surprising everybody who heard it.

After the recent antenna upgrades for both 558-Radio Fiji One and 1017-Tonga they managed to pound in with awesome signals on several occasions, hitting S9+ peaks for their best performances ever. Several Australian stations like 585-7RN and 639-2HC also did their best to tap into the Kiwi propagation pipeline, and on 8-9 there was an interesting station on 855 that wasn’t // 774 and whose music sure didn’t sound like Rhema. During my 9-day DXpedition the Western Australian stations were MIA for the first 8 days, and it seemed like they might not show up at the Rockwork cliff in August for the first time in four years. Strangely enough, on the very last day (August 9th) at 1253 558-6WA in Wagin did manage to break through the Fiji QRM for about 40 seconds – just barely strong enough to get adequate material to match with the ABC website’s Podcast. Overall the DXpedition proved to be the usual, habit-forming thrill that has made this wacky cliff a center of DU-DXing activity. Tom mentioned that he once again had record-breaking Longwave NDB-DX results from the South Pacific, NZ and Australia, while Craig certainly seemed to be on Cloud Nine as used the cliff’s propagation boost to track down multiple DU’s with his 3.5” Baby FSL. Nick, Tom, Craig and I have already made our reservations for next August – wild weather and sleeping squatters notwithstanding.

Gary DeBock (in Puyallup WA, USA)

SPECIAL FEATURES

XEWW-690 may be Spanish or Chinese

Art Peterson’s report last issue of XEWW-690 Rosarito, BCN in Chinese on August 1, appears to be a violation of an FCC temporary authority effective July 20 that restricts the station to Spanish language programming. A 1992 agreement gives the FCC authority to block the sale of Mexican stations that target US audiences.

Both the FCC and the US Justice Department are investigating the sale, based on intelligence reports that the Chinese government has the potential to control XEWW’s programming through the new owner. Formerly known as XETRA, XEAK and XEAC, the station’s current 77,500 watts during the Day has a directional pattern that equates to at least 100kW to much of California, from a transmitter site close to the border near Tijuana. In the San Diego-Los Angeles corridor, more than 600,000 people are fluent in at least one of the Chinese languages.

WWFD-820 Goes Digital-Only

DXers will soon need a receiver capable of receiving IBOC (In-Band On-Channel) digital signals on AM, if WWFD-820 is beginning a trend. At Noon on July 16, the Washington DC area station turned off their analog signal, allowing them to dedicate their entire 4300 watts day and 430 watts night to their IBOC ("HD Radio") digital signal. The FCC issued the Frederick, Maryland, station a one year experimental authorization for digital-only broadcasting, and is currently the only station in the US doing so.

Unlike Hybrid mode, where AM stations broadcast both traditional analog signals as well as IBOC digital, digital-only stations cause much less interference to stations on adjacent frequencies because the Primary digital data is contained within the standard analog bandwidth, 5 KHz on either side of the assigned Carrier frequency, rather than between 10 and 15 KHz on either side of the Carrier, as is the case for Hybrid mode.

But, by far the biggest advantage over Hybrid mode is the range at which the AM HD signal can be heard. Previous experiments by existing stations briefly going digital-only demonstrated the same and sometimes slightly larger coverage than the analog signal. Hybrid mode stations have significantly smaller digital than analog coverage areas, especially at Night.

Clocks and Watches no longer "Atomic" without WWVB

So-called "Atomic" clocks and watches may no longer work in North America if WWVB goes silent next year. Many DXers use WWVB-synchronized devices to maintain to-the-second accuracy in their DX Shack. Not just to catch Top of the Hour IDs, but also to maintain accurate logs of stations heard.

Unless there is a public outcry, the US Congress is expected to approve the National Institute of Standards and Technology (NIST) Fiscal Year 2019 budget request. Which includes a \$6.3 million cut that would eliminate WWV, WWVH and WWVB. WWVB operates on 60 KHz with 70 KW at a transmitter site shared with WWV near Fort Collins, Colorado.

Initial questions about WWVB being part of the cuts were answered in this article: <http://qrznow.com/concern-rising-within-amateur-radio-community-over-wwv-wwvh-shut-down-proposal/>

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)

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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.

IRCA Reprints

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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"DX Monitor" on DVD

IRCA's regular bulletin "**DX Monitor**" Volumes 1 through 52 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.

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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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