



DX MONITOR

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International Radio Club of America

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Seattle deadline for our next issue (V57_N22) is **Monday 01/27/20** 1600 PLT – pb

2020 Convention

The 2020 **IRCA/DecalcoMania** Convention will be held at the Four Points by Sheraton, 1221 S Harbor Blvd, Anaheim CA 92805. (North of Disneyland) September 10-12 2020. Phone number for reservations is 714-758-0900 (mention convention). Guest room rate is \$115 per night plus tax and includes all you can eat breakfast. Parking is \$10 per day. Registration fee (not including banquet) is \$25 payable to Mike Sanburn PO Box 1256, Bellflower CA 90707-1256. Activities will include station visits, IRCA business meeting and auction, and nightly fireworks show. Hotel amenities include free Wifi, 24 hour business center and 24 hour pool. Local eateries within walking distance are Starbucks Coffee, Taco Bell, and Shakeys Pizza. Cutoff date for room reservations will be August 20th. More details will appear soon. For information contact mikesanburn@hotmail.com. Website for Anaheim visitor's information: www.visitanaheim.org. Here is the link for making reservation at Four Points <https://www.marriott.com/event-reservations/reservation-link.mi?id=1576099122178&key=GRP&app=resvlink>

My annual DX get-together (Bruce Portzer)

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Hello everyone

I'll be hosting my annual DX get together on Saturday February 29 this year. Why not? February 29th's are rare enough, let alone one that falls on a Saturday. Plus the other Saturdays in February and early March didn't look like they would work.

Those who have been to one in the past know the drill – 6546 19th Avenue Northeast in Seattle, starting at 2pm. Potluck snacks, pop, or beer is welcome.

Feel free to bring interesting items like radios, antennas, recordings or whatever to demonstrate or show off.

For those who haven't been to one of my previous get-togethers, the crowd leans heavily towards medium wave DXing, but other bands (SWL, Ute, TV/FM, etc.) are welcome. You'll probably enjoy it.

Hope to here you on February 29. If you get lost my landline is 206-522-2521. **Bruce Portzer**



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

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

Ted Vasilopoulous Award (TVA)

Ted Vasilopoulous was a charter member of IRCA who died in 1965, and was known for his high DX standards and contributions to the club. This award in his honor is presented to the IRCA member who has contributed the most to IRCA and the DX hobby during the past several years. The following persons have won the TVA in the last five years and are ineligible this year: **Mark Durenberger, Nancy Johnson, Phil Bytheway, John C Johnson, Gary DeBock and Eric Bueneman.**

Ric Heald Award (RHA)

Ric Heald was an enthusiastic IRCA volunteer and contributor. In 1995, after his passing, the RHA was created to recognize the IRCA member who most benefited the club in a particularly noteworthy way during the previous year. The following persons have won the RHA in the last three years and are ineligible this year: **Kenneth Hawkins, John C Johnson, Brandon Jordan and Mark Durenberger.**

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

Please note that nominations need to include a brief statement supporting the nomination. Please also note that the Ric Heald Award is to recognize an IRCA member who most benefited the club in a particularly noteworthy way during the previous year, while the Ted Vasilopoulous Award recognizes a longer term contribution by someone who might also have benefited the larger DX hobby.

All nominations must be received no later than March 1 2020.



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

WDXR DEADLINES: Thursdays January 23, January 30, February 6, February 13, February 27, March 12, March 26 and April 9. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-9444 W. Newport-Sun City AZ 85351 desertmoon_dxshack@inbox.com
Panasonic RF-2200, Grundig Satellit 205
- (GH) **Glen Hansen**-64985 Olson Road-Deer Island OR 97054 gbhansen2@outlook.com
JRC NRD 545, Hammarlund HQ 180A, R-390A, various longwires, Kiwa loop
- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 John_Johnson@prodigy.net
SDRplay RSPduo, Icom IC-R75, Wellbrook ALA1530LNP
- (JP) **Jon Pearkins**-Edmonton AB jon@pearkins.com
Sangean PR-D15 on batteries with internal 200 mm ferrite bar
- (NP) **Nigel Pimblett**-331 5th Street-Dunmore AB T1B 0J9 nige2730@telus.net
Perseus SDR, Wellbrook Phased Array
- (MS) **Mike Sanburn**-PO Box 1256-Bellflower CA 90707-1256 mikesanburn@hotmail.com
Sangean DT 160

- 710 KCMO **MO**, Kansas City 1/14 1900 ID by a man as "...KCMO Kansas City 101.1 FM KCFX-HD2, Harrisonville. From Lee's Summit to Leavenworth, this is KCMO." (NP-AB)
- KXMR **ND**, Bismarck/15 0017-0023 often all alone in KIRO null with local break in network programming including weather, "7-10 Fox Sports Radio" ID and local ad giving 701 Area Code phone number. (JP-AB)
- 780 KKOH **NV**, Reno 1/14 0755 good ID by man "On Newstalk 7-80 K(K)OH." Also, a station jingle at straight up 0800 and into network news. Solid and alone on barefoot Grundig 205. (RB-AZ)
- 920 KBAD **NV**, Las Vegas 1/13 0649 good with string of ads including Subaru of Las Vegas. (MS-CA)

- 960 CFAC **AB**, Calgary 1/13 0623 strong in KKNT down fade, talking about an event in Calgary. (MS-CA)
 980 KSPZ **ID**, Ammon 1/12 good with no sign of normally dominant KFVB. 0000 out of ESPN promo with "ESPN the Sports Zone AM 980 KSPZ Idaho Falls, KUPI HD3 Avondale, K233?? Pocatello, K245DI Idaho Fall" legal ID into ESPN Sports. First time heard; I suspect they were still on they daytime power. (JCJ-AZ)
- 1130 KRDU **CA**, Dinuba 1/9 1945 religious lecture by man. (RB-AZ)
 1140 KGEM **ID**, Boise 1/13 1000 two men in dialogue, religious discussion, hopping over KXST (Nevada) often dominating here. (RB-AZ)
 1180 KCKQ **NV**, Sparks 1/10 2000 "America Matters Media on AM 11-80 KCKQ, Reno-Sparks." (RB-AZ)
 1190 KVSU **KS**, Beloit 1/12 1900 ID by man at the hour "You're listening to KVSU Beloit, AM 1190 and stereo 102.9...", then ABC news. (NP-AB)
 1220 KDOW **CA**, Palo Alto 1/8 1600 BIZ talk format. Up suddenly from the mush with ID, on HQ-180 and E-W wire. (GH-OR)
 1230 KINO **AZ**, Winslow 1/15 good, local KOY with brief dead air. 0800 KINO faded up with a complete sign on. Quickly lost to KOY. Not needed, but not often heard here due to KOY. (JCJ-AZ)
- KORT **ID**, Grangeville 1/6 2300 man gave ID into 70's type oldies. Fair to poor and scratchy on HQ-180 and N-S wire. (GH-OR)
 1240 WJON **MN**, St Cloud 1/14 1900 rose from the jumble with ID by man "You're listening to AM 1240 and 95.3 FM WJON St. Cloud, broadcasting live from the...", then lost under KDLR. (NP-AB)
- 1270 KNWC **SD**, Sioux Falls 1/12 1859 spot for the Northwestern Christian Writers conference, then ID "Faith Radio is 107.5 FM and AM 1270 KNWC Sioux Falls, a ministry of the University of Northwestern, St. Paul," then SRN news. (NP-AB)
 1280 KQLL **NV**, Henderson 1/15 0700 oldies music to ID straight up at the top of the hour, "KQLL Henderson-Las Vegas" and into Fox Radio network news. New log. (RB-AZ)
- KRZE **NM**, Farmington 1/15 0648 "KRZE Farmington" over the oldies station I was trying to monitor and identify. ID by man came up over (KQLL) then gone. Both stations audible as local KXEG was off. New log with local KXEG off at the time. (RB-AZ)
 KZNS **UT**, Salt Lake City 1/8 1530 sports talk, Utah Jazz, etc Fair in and out of the mess on HQ-180 and N-S wire. New! (GH-OR)
- 1290 KMMM **KS**, Pratt 1/12 1857 played the song "Best Day of My Life" then ID "You're listening to the voice of south central Kansas, KMMM" (NP-AB)
 1310 KLIJ **ID**, Twin Falls 1/2 1800 Fox news, ad for local business, talk programming. Fair to poor with shallow fades on R-390A and E-W wire. (GH-OR)
 1330 KPTY **IA**, Waterloo 1/12 1800 through WLOL with ID "WPTY Waterloo - Cedar Falls, K297BC Waterloo 107-3 The Party," then into music. (NP-AB)
 1340 KWVR **OR**, Enterprise 1/7 1530 news and weather report. Fair signal dominating the frequency but choppy on HQ-180 with E-W wire. (GH-OR)
 1400 KEYL **MN**, Long Prairie 1/14 1902 end of country song, then ID "Country music, news, and information on Hometown Radio, AM 1400 and FM 103.1 KEYL Long Prairie," then into Fox news. (NP-AB)
- 1410 KLFD **MN**, Litchfield 1/14 1859 country song, ID at the hour as "AM 1410 and FM 95.9 KLFD, then news from Minnesota News Network. (NP-AB)
 1420 KOBM **NE**, 1/14 1800 multi-station ID heard under KGIM. New one for me. (NP-AB)
 1430 KNXP **MN**, Staples 1/14 1858 end of weather, then ID "Your source for sports, AM 1430 KNXP Staples, Wadena." (NP-AB)
 1440 KMED **OR**, Medford 12/31 1730 news in a two way jumble with KODL (I think). Really weak but caught BoH ID, on JRD with E-W wire. Not heard for a while. (GH-OR)
- 1500 KSJX **CA**, San Jose 12/31 1800 ID in English into Oriental dialect, music. Very weak and mixing with UnIDs on JRC with E-W wire. (GH-OR)
 1520 KSIB **IA**, Creston 1/14 1801 ID by a man as "This is KSIB AM, 1520 Creston, Iowa," then straight back to music. (NP-AB)
 1640 KDIA **CA**, Vallejo 1/14 0700 ID to religious monologue by man. (RB-AZ)
 1690 KFSG **CA**, Roseville 1/11 2359-0006 non-English female light pop vocals, faded out at top of hour then back into two English PSAs, the first for a California State agency. (JP-AB)

Thank you everyone for the WDXR reports this week! - Nancy 1/17 1600



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

RIDING GAIN

- [EB-MO] **Eric Bueneman**, Hazelwood MO N0UIHEric@gmail.com
 CountyComm GP-5/SSB Gen3 Ultralight receiver, Grundig AN-200 tunable loop, Yaesu FRG-7, Worcester Space Magnet II
 [GH-IL] **Gregory Harris**, Illinois wdx8khy@sbcglobal.net
 FRG-100, Quantum Loop

DOWN THE DIAL

- 970 KCFO **OK**, Tulsa. 1/13 fair to poor signal over WGTK and other stations. 0429 noted with promo mentioning KCFO, "AM Nine-70 KCFO Tulsa" legal ID at 0430 into a Christian teaching program. [EB-MO]
 1070 KNX **CA**, Los Angeles. 1/13 fair signal through CHOK. 0417 noted with traffic report mentioning various area freeways, "KNX Ten-70 news radio" ID, PST time check and local spots. [EB-MO]
 1450 WROX **MS**, Clarksdale. 1/12 fair to poor signal, mixing with KMRY and other stations. 0217 noted with "WROX" jingle into R&B Oldies format. [EB-MO]
 1530 KXTD **OK**, Wagoner. 1/13 fair to poor signal through WCKY. 0502 noted with "KXTD" mention in heavily accented English, a mix of Adult Contemporary and Regional Mexican music and a mention of Tulsa in Spanish. Left on overnight. [EB-MO]
 1550 KESJ **MO**, Saint Joseph. 1/11 good signal. 17:55 with "Joe-town 107.5" slogan, local weather. [GH-IL]
 WIGN **TN**, Bristol. 1/15 good signal over other stations. 0319 noted with Southern Gospel format, local spots and "WIGN" ID in ad. Apparently on day power. [EB-MO]

UNIDENTIFIED

- 1090 UnID 1/15 UnID with fair signal through KAAV open carrier. 0404 noted with Classic Hits format and "The Fox FM" ID before KAAV returned to Southern Gospel format. [EB-MO]

FLASHBACK

50 Years Ago - January 24 1970 issue of "DX Monitor" ... **Fred Osterman** of Williamsville NY received two Montana veries, KGHL 790 and KOYN 910 ... **Patrick Martin** of Warrenton OR sat in on a DX Test at KAST ... **Bill Nittler** of Englewood CO received his 33rd verie from Ontario, CKPM 1440. // **25 Years Ago** - January 21 1994 issue of "DX Monitor" ... **Ernest Cooper** of Provincetown MA received veries from WONZ 1580 and WTCG 840 ... **Larry Godwin** of Missoula MT thanked **Nigel Pimblett** for information on 1PPP 1620 ... **Mike Hardester** of Jacksonville NC was returning to college for a VS degree in Computer Information systems ... This week's Flashback DXer is **Fred Osterman**...



OPEN MIKE

Some of you may recognize Nancy's sister Sue standing next to Fred Osterman in the above photo. Years before starting Universal Radio, Fred worked at Radio Shack and dated Sue. Fred played a big part in how Nancy started DXing. Thanks to Eric and Gregory for reporting this week.

This column was typed 1-17-20. 73, John



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

TUNING THE DIALS THIS ISSUE:

- (KK-VA) **Kraig Krist** (KG4LAC), Manassas VA
 Winradio G33DDC software-defined receiver, Wellbrook ALA1530S+ Imperium loop
 (PS-ON) **Paul Snider**, London ON, Canada **paulisnider@yahoo.ca**
 Elad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner

ACROSS THE DIAL

- 620 WZON **ME**, Bangor – 1/10 1700 noted with Oldies format, "This is AM 620 WZON Bangor, WKIT-HD3 Burlington" legal ID by a male announcer at 1700 into CBS News. The signal was noted mixing with CMBA (with many mentions of La Habana), WDAE, WHEN and WVMT. (KK-VA)
 WVMT **VT**, Burlington – 1/10 1652 noted with "News/Talk WVMT" ID by a male announcer. The signal was noted mixing with CMBA, WDAE, WHEN and WZON. (KK-VA)
 630 WBMQ **GA**, Savannah – 1/10 1821 noted with mention of "Depend on WBMQ for... news and be informed" by a male announcer. The signal was noted mixing with somewhat local pest WBSN and an unidentified station with an Oldies format. (KK-VA) (Your Oldies station is likely WAIZ Hickory NC. WBMQ must have been on 4,700 watts day power – eb)
 1250 WSSP **WI**, Milwaukee – 1/13 2237 noted with a promo, "105.7 the Fan" ID, national and local ads. An occasionally fair to very poor signal was noted, mixing with WPGP; first time heard in London. (PS-ON) (This is a nighttime regular at my location, along with KYYS Kansas City KS – eb)
 1370 KDTH **IA**, Dubuque – 1/14 2231 noted with Adult Standards format featuring selections by Louis Armstrong and Beegie Adair, "Voice of the Tri-States, KDTH" jingle heard clearly at 2234 into another music set. A fair at times to very poor signal was noted, mixing with the usual WSPD; confirmed via Tune-In Web stream. First time heard in London. (PS-ON) (This is a nighttime regular on 1370 at my location – eb)
 1590 WXRS **GA**, Swainsboro – 1/15 2215 noted with Classic Hits format; heard "Philadelphia Freedom" by Sir Elton John around 2253, which was confirmed via Simple Radio Web stream. No ID was heard when the signal was lost, fair to very poor signal, mixing with WAKR and an unidentified Country or Christian radio station, possibly on day power. (PS-ON)
 WKTP **TN**, Jonesborough – 1/15 2215 trying to ID unidentified stations with Oldies, Country and/or Christian formats when I started hearing ESPN and ESPN Radio mentions and promos, national ads including one for *A Place for Mom*, "You are listening to ESPN Tri-Cities" ID at 2230 into ESPN Sports Center Update. A fair to very poor signal was noted, mixing with WAKR, an unidentified Country or Christian radio station and what turned out to be WXRS; first time noted in London. (PS-ON) (I remember one night about 1989, when I was living in Woodstock GA, that I pulled in WKTP on 1590. I turned on the other receiver, tuned to 1400, and pulled in WKPT through the mess. I had both stations verified with the same letter – eb)
 1600 WAOS **GA**, Austell – 1/11 2221 noted with a Regional Mexican format, clear mentions of Atlanta at 2224 and 2230; confirmed via Tune-In Web stream. An occasionally fair to very poor signal was noted, mixing with other stations including unidentified stations with Oldies and Adult Standards formats. (PS-ON) (This has to be on 20 kW day power; when on day power, WAOS overtakes KATZ at my location. Your unidentified Adult Standards station is likely WTZQ Hendersonville NC or WEHH Elmira Heights/Horseheads NY; your unidentified Oldies may be either WARU Peru, IN or WTTFF Tiffin OH – eb)

EDITOR'S NOTES

Thanks to Kraig and Paul for their logs this week. It's been a roller coaster ride in the weather department this time of year; one day, it's close to 60 degrees, only to drop into the single digits a few days later and back into the 40s before the end of a given week. The DX is still good, though. 73 and good DX from NØUIH, the Florissant Valley Dial Twister.



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

New Deadline – Monday 0000 UTC.

- 774t **SPAIN** RNE1 synchros. JAN 2 0455 – audio at times 0455-0508, but too much KTHH splash to tell much more. Probably Spain unless someone has a better idea. [BP WA]
 855 **ROMANIA** Radio Romania Actualitati, Bucuresti. JAN 2 0426 //1179, also matched over the air reception via Thessaloniki KiwiSDR. [BP WA]
 864 **EGYPT** Holy Koran Program, Santah. DEC 29 0403 – weak singing, probably Quranic recitations.
 +JAN 2 0452 – huge carrier with fair audio, male talk. [BP WA]
 909 **UNITED KINGDOM** BBC Radio 5 synchros. JAN 2 0450 – rough copy due to splash from 910 but seemed to match the discussion heard on a British SDR. [BP WA]
 1179 **ROMANIA** SRR Radio România Actualitati, Galbeni//Bacau. JAN 2 0426 – weak //855 and Thessaloniki SDR. [BP WA]
 1215 **UNITED KINGDOM** Absolute Radio synchros. DEC 29 0212 – sounded like an advertisement, music.
 +JAN 2 0440 //British SDR. [BP WA]
 1386 **LITHUANIA** Radio Baltic Waves/Radio Liberty, Viesintos. DEC 29 0356 – weak female talk, possibly in Russian.
 +JAN 2 0352 – male talk fair-poor. [BP WA]
 1395t **ARMENIA** Public Radio of Armenia, Gavar. JAN 4 0055 – carrier was there for the first time with decent strength at 0055 0115 0143 0159 (with bits of audio) and 0239. [BP WA]
 1413t **MOLDOVA** Vesti FM. DEC 29 0200 – time pips 0200 0300, fair male talk 0221 probably in Russian, weak talk a few other times.
 +DEC 31 0224 – the only TA with any recognizable content, bits of talk 0224 0334 0409 and a few other times. [BP WA]
 1503 **UnID** JAN 4 (no time given) – probably Egypt, had its best signal so far with bits of talk surfacing at times. [BP WA]

***** PAN-AMERICAN DX *****

- 710 **MÉXICO** XEDP, Ciudad Cuauhtémoc, Chih. JAN 14 0707 – Mexican NA is playing until 0708 when no Spanish talk heard other than Rebelde Cuba peaking from another angle; this being from WSW, which fits for the only NW Mexican outlet, XEDP, at local midnight, often heard here despite listed night power of 100 watts vs day power 7000. IRCA Log also shows it as 24 hours, and mentions it being off-frequency, which was only part-time, and not heard askew here now or recently. Considerable CCI too from English, likely Amarillo and KCMO, and persistent 711 TA carrier het, prime suspect being 300 kW Morocco. [GH-OK]

CONTRIBUTORS

- GH-OK **GLENN HAUSER**, Enid OK
 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.
 BP-WA **BRUCE PORTZER**, Seattle WA
 Elad FDM-S2, 40x10 flag antenna aimed NNE

Thanks for the logs. Stay warm! 73 and Good DX, Brandon

For checking Cuban MW stations I use: <http://www.bamlog.com/cubalist.htm> (via IRCA eGroup – pb)





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

Sandy Neck Beach DX 1/6-7/20 p2 (Roy Barstow via IRCA eGroup)

At Sandy Neck Beach I park on the top parking lot and point the truck East. I then set up the 10 foot x 16 foot. Loop on the ladder rack and set up the rest of the equipment. Then a quick look at the carriers before the first capture. At this site I receive many from the Mideast but at the same time during the early captures I am trolling the band. But first I have it on 1090 to null 1080 WTIC CT. off the back. A gray line makes it harder for an old man to see the carrier so that is why I go to 1090. I can null WTIC by watching the screen or when 1089 UK makes a loud racket on 1090. I only troll the band during captures and after the capture s/off the computer, G-33, and its battery. When mobile DXing I have to conserve the power as I do not know at first how long I will be DXing. When I am trolling the band I will go to 1560 and check 1557 and 1566, then to 1200 and check 1206 and 1215, then to 840 and check 828 and 846. With the Loop pointed East I can tell if North or South coming in and how good and move the truck in that direction. My wife will say when will you be back, and my reply will be early and late depending on how good the DX is.

2100 – 100°

- 531 **SPAIN** with pips, theme music, etc over under Jill FM.
- 540 **HUNGARY** 5 pips then bells into news by a woman. Under NF.
- 549 **UnID** under Jill FM with a man talking English.
- 666 **SPAIN** mixing pips with **PORTUGAL**. //720.
- 765 **UNITED KINGDOM** BBC Essex. With a game and mixing with **SAUDIA ARABIA**.
- 891 **ALGERIA** pips into news.
- 981 **ALGERIA** as above w/music under them. Note: Algeria now uses 4 pips.

- 1134 **SPAIN** and **KUWAIT** mixing. Many pips heard ToH.
- 1170 **UNITED ARAB EMIRITS** on top and all alone at S 9+10.
- 1278t **UNITED KINGDOM** Sounds like a Brit.
- 1458 **UnIDs** 3 or more stations. One with, that's the latest on BBC and **ROMANIA** //756 and at least 1 more.
- 1467.391 **IRAN** man and a woman talking.
- 1476.270 **IRAN** weak w/talk.

2115 – 100°

- 585 **IRAN** singing and equal to Spain at times. Not //ARS.
- 603 **EGYPT** w/Koran. //1503 along w/**SPAIN**.
- 621 **EGYPT** ERTU. VO Arabs. Sounds like the Koran to me. **SPAIN** along for the ride.

- 657 **IRAN** with music. //666. Iran nights.
- 918 **IRAN** Mideast music. //936.
- 936 **IRAN** at times in good with others. //918.

Because IRAN in good I went back at the lower band and could // more IRAN regional stations because the one song was more or less distinctive and stood out. So things out of order here.

- 747 **IRAN** Iran Nights. Under Spain but //837 and others. NEW.
- 783 **IRAN** last part of file good. //747.
- 837 **IRAN** //others.
- 756 **IRAN** //837.

- 1008 **IRAN** mixing w/**SPAIN**. //837. NEW.
- 1125 **IRAN** last part of file. //936. NEW.
- 1278 **IRAN** //936.
- 1395.009 **UnID** faint talk.

2130 – 100°

- 675 **SAUDI ARABIA** SBA Radio. Mideast music to a fair peak. //1521. NEW.

- 846 **SAUDI ARABIA** Quran //765. CLIP.

2145 – 70°

- 648t **UNITED KINGDOM** pop music along w/**SPAIN**.
- 1026 **IRAN** //936. Iran Nights.
- 1035 **UNITED KINGDOM** Lyca. A woman singing an Asian song. //1458. NEW. Also mixing w/**ESTONIA**.
- 1044 **SAUDI ARABIA** SBA Radio. Under **SPAIN** w/music. //1521 NEW.

- 1062 **IRAN** music. //936.
- 1152 **UNITED KINGDOM** LBC News. In best mid-file along w/**SPAIN**.
- 1287t **ISRAEL** mixing w/**SPAIN**.
- 1539 **UNITED ARAB EMIRITS** good w/music and **SPAIN** w/talk.
- 1548 **UNITED KINGDOM** Brit talking presume Gold.

2200 – 15°

- 630 **PUERTO RICO** ID. Fanfare into some music. Good under WPRO.
- 700 **UnID** Spanish music, Spanish ID. I could not catch. Maybe Columbia.

- 1080 **IRAN** like a choir singing. //1098. NEW.
- 1098 **IRAN** and **SPAIN** mixing. Iran //1080.

15° looking for China on 1098 but no dice. But did log a new Iranian. Man i am loading up on Iran tonight.

Roy Barstow – Falmouth MA.



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

Deadlines: 1/25, 2/1, 2/8, 2/15, 2/22 and 3/7 – Anniversary issue

Glenn Hauser, PO Box 1684, Enid OK 73702 wghauser@yahoo.com

Greetings. All times and dates strictly UT. Receiver: mostly DX-398 with internal antenna only or PL-880; NRD-545 with ALA-330S inside E-W or inside random wire N-S; Nissan stock caradio as specified; or IC-R75 with E-W longwire.

CANADA. 370-MCW kHz, January 15 at 0725, dash and YBV, ND beacon, 50 watts from Berens River, Manitoba, which is more than halfway up the eastern shore of long Lake Winnipeg.

USA. 417-MCW kHz, January 17 at 0637, ND beacon IY, which is 25 watts from Charles City, Iowa.

USA. 426-MCW kHz, January 15 at 0719, ND beacon UV, which is 25 watts from Oxford – Tunng, Mississippi. I was tuned to 424-USB.

420-MCW kHz, January 15 at 0721, two ND beacons mixing at same pitch; finally unraveling them: PK, Olathe-Herbb, Kansas; and FQ, Fairmont, Minnesota; both 25 watts.

USA. 580, January 17 at 1246, WIBW Topeka KS is dominant here, but nulling it I have some Rosary from NW/SE, then gospel tune. Presumed KJMJ Alexandria LA, U2 5/1 kW now with REL format and RMN network per NRC AM Log; i.e. Radio Maria Network, bilingual. Just before CBS News at 1300 on WIBW, I also hear a mention of Grand Junction, i.e. U2 5/1 kW KUBC Montrose, Colorado.

USA. 700, January 13 at 2004 on caradio, Dallas ad in English. KHSE Wylie TX, one sesquikW day power, barely reaches here on daytime groundwave when local noise quiet enough. NRC AM Log says format is "Asian" as Radio Caravan with IBOC. Website shows quite a staff, and Hindi/Bollywood as well as Telugu: <https://www.radiocaravan.com/> \$tereo music stream auto-launches without permission, when I check at 0255 January 14. Soon announcement in English about upcoming events in DFW. Shows include one Pakistani.

USA. 1040, January 13 at 2006 on caradio, Des Moines weather, timecheck and WHO ID, which makes it here with residual daytime low-sun skywave scarcely a sesquihour after local mean noon.

USA. 1090, Monday January 13 at 0706, another check of KAAY Little Rock which has been haywire the past two nights at this time. Now, it's back to "normal" with well-modulated country gospel songs. Maybe it had been plugged into totally mistuned satellite TV feeds overnight, no human noticing?

USA [and non]. 1090, January 14 at 0702, KAAY Little Rock AR in dead air again, until 0705 gospel music starts in nominal format. Meanwhile, I hear the 1 kHz het from 1089 UK Talksport headed by a 400 kW with several synchros almost doubling that.

USA. 1090, January 16 at 0701-0705, another check of KAAY Little Rock AR finds dead air again at top-of-hour, news? hole unfilled, till 0705 gospel music starts up. Should be helpful for local LR DXers.

USA. 1090, January 17 at 0704, KAAY in dead air yet again, 0705 starts gospel music. John Wesley Smith, Hallsville MO, replies: "This is in response to your info about KAAY, Little Rock. This past Friday evening I heard them after 11:00 PM running TV audio with weather info. I didn't catch what channel they were simulcasting. There were tornadoes in the area at the time. Audio was choppy. If it was an Internet connection to the station, it was poor. If it was a satellite feed, or if they piped in the station from a TV antenna, weather may have hindered reception. Obviously, somebody forgot to switch KAAY back to normal programming for a couple of days, as you noted. 73, John Wesley Smith".

USA. 1090, Sunday January 19 at 0702, KAAY LR AR again in dead air until gospel music start at 0705. At least they are not totally haywire like last weekend. No sign of a harmonic on 2180.

USA [and non]. 1090, January 18 at 0659, finally I tune in KAAY LR AR early enough to tell what happen around hourtop: gospel song is cut short for full legal ID proudly claiming to be a Cumulus station; two or three PSAs, 0701 quick ID again and into dead air for four minutes until 0705 resumes music. Meanwhile I find main QRM is from a 96/minute SAH = 1.6 Hz, not XEAU which is also barely audible, but something with stupid sports talk in English, roughly NE/SW, which also means there is still a TA carrier 1089 het from Talksport UK. Format can't be Catholic KEXS MO daytimer which anyhow hasn't been cheating lately. Most likely fit around that axis is KVOP Plainview TX, U4 5/0.5 kW which is partially sportive with FSR but supposedly nulling thisaway; not WBAL or the IL, IN, IA, 1090 stations; but there is less likely WCAR Livonia MI, U4 250/500 watts with SBN.

USA. 1120, January 18 at 0710, KMOX St Louis with 'Our American Stories', an engrossing and touching one. On Saturdays this is scheduled 1-5 am = 07-11, while Monday-Friday it's only 2-4 am = 08-10. Details of this nightly bihour of "no politics": https://www.ouramericannetwork.org/recent_shows KMOX has quite a variety of programming beyond a*s*o*e Rush; <https://knox.radio.com/shows/show-schedule> – even 'Meet the Press' Sundays 8-9 pm = Mondays 02-03, which last I checked was on a competing network. I guess such distinctions no longer matter. No sign of 'Face the Nation'!

CANADA. 2598-USB, January 19 at 0648 again I am hearing a roboyl marine weather broadcast in English at a time when none scheduled at <http://dxinfocentre.com/mb.htm> nor at https://www.hfunderground.com/wiki/Maritime_Weather_Transmissions – and the Canadian CG website seems to have deleted its once-extensive scheduling of these. Mentions storm warnings, 0652 for northern Grand Banks, then for southeastern GB Forecasts extend to Monday morning. Visibilities often one mile or less. Also again there is a slight reverb on her voice, either self-imposed from one transmitter, or from two slightly unsynchronized transmitter sites. All the listed 2598 broadcasts are from six stations in Newfoundland and Labrador, or adjacent Quebec.

USA. 5085, Sunday January 19 at 0100 I notice that theatre organ music is playing already, instead of usual 0130v start on WTTW-2; soon I switch to \$tereo webcast. Final tune is "Mr Sandman", until 0133.5 finishes with ID and into "real music". I have yet to hear a specific *name* for this show now out of Ozarx. That's O-Z-A-R-X, as I like to spell it.

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



SPORTCHANNELS IRCA – Compiled by: Eric Bueneman (NØUIH)

Email: n0uiheric@gmail.com

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

DENVER NUGGETS Jason Kosmicki, Web: nba.com/nuggets/

AM	1300 KCSF Colorado Springs, CO	1490 KNAM Silt, CO	102.3 KSPK Walsenburg, CO
930 KIUP Durango, CO	1340 KTMM Grand Junction, CO	FM	103.1 KYDT Pine Haven, WY
950 KKSE Parker, CO	1440 KRZD Wray, CO	92.5 KKSE-FM Broomfield, CO*	105.1 KXKL-HD2 Denver, CO
1010 KSIR Brush, CO	1450 KAVP Colona, CO	100.3 KSBK Blanca, CO**	106.1 KNFO Basalt, CO
1230 KSTC Sterling, CO	1450 KBFS Belle Fourche, SD	100.5 KRSJ Durango, CO	

Notes: * denotes Nuggets' list has old call KWOE, ** denotes that the Nuggets' list has the frequency as 98.3

MINNESOTA TIMBERWOLVES Alan Horton, Cal Soderquist, Web: nba.com/timberwolves/

AM	1230 KTRF Thief River Falls, MN	1400 KQDJ Jamestown, ND	94.9 K235BP Bemidji, MN (2)
610 KDAL Duluth, MN	1230 KWNO Winona, MN	1410 KRWB Roseau, MN	95.9 K240CJ Oakes, ND (3) *
730 KWOA Worthington, MN	1240 WJON Saint Cloud, MN	1450 KATE Albert Lea, MN	96.3 K242CF Willmar, MN (4)
830 WCCO Minneapolis, MN	1260 KROX Crookston, MN	1450 KBUN Bemidji, MN	97.1 K246AM Jamestown, ND (5)
950 KWAT Watertown, SD	1270 KFAN Rochester, MN	1460 KDMA Montevideo, MN	101.5 KFGI Crosby, MN
970 WDAY Fargo, ND	1310 KNOX Grand Forks, ND	1480 KKCQ Fosston, MN	102.9 KMWB-HD2 Minneapolis, MN
970 WDUL Superior, WI	1320 KOZY Grand Rapids, MN	1490 KOVC Valley City, ND	103.3 K277AI Russell, MN (6)
1080 KYMN Northfield, MN	1340 KDLM Detroit Lakes, MN	1570 KVTK Vermillion, SD	104.5 KBUM Blackduck, MN
1210 KOKK Huron, ND	1340 KWLM Willmar, MN	FM	105.7 K289CE Grand Forks, ND (7) **
1220 KDDR Oakes, ND	1390 KXSS Waite Park, MN	93.1 K226CA Detroit Lakes, MN (1)	107.1 KMGK Glenwood, MN
1230 KMRS Morris, MN	1400 KMHL Marshall, MN	94.3 KKIN-FM Aitkin, MN	

Relays: 1) KDLM 1340, 2) KBUN 1450, 3) KDDR 1220, 4) KWLM 1340, 5) KQDJ 1400, 6) KMHL 1400, 7) KROX 1260,

Notes: * denotes T-Wolves' list has the frequency as 95.5 MHz, ** denotes T-Wolves' list has old call K291CT

OKLAHOMA CITY THUNDER Matt Pinto, Web: nba.com/thunder/

AM	1390 KCRC Enid, OK	FM	100.3 KJCM Snyder, OK
640 KWPN Moore, OK	1450 KSIW Woodward, OK	96.1 KITO Vinita, OK	101.3 KMCO McAlester, OK
1240 KADS Elk City, OK	1470 KGND Vinita, OK	97.1 KYAL-FM Muskogee, OK	107.5 K298CR Ardmore, OK (2)
1240 KVSO Ardmore, OK	1500 KPGM Pawhuska, OK	98.1 WWLS The Village, OK	
1380 KKRX Lawton, OK		99.1 K256CP Bartlesville, OK (1)	

Relays: 1) KPGM 1500, 2) KVSO 1240

PORTLAND TRAIL BLAZERS Travis Demers Web: nba.com/blazers/

AM	1110 KBND Bend, OR	1400 KJDY John Day, OR	FM
620 KPOJ Portland, OR	1230 KHSN Coos Bay, OR	1440 KODL The Dalles, OR	95.7 K239CM Eugene, OR (1)
690 KRCC Prineville, OR	1240 KRJW Altamont, OR	1450 KLBM La Grande, OR	96.9 K245BC Prineville, OR (2)
730 KEZX Ashland, OR	1240 KTIK Pendleton, OR	1490 KBKR Baker City, OR	100.7 K264CU Kelso, WA (3)
820 KWDP Waldport, OR	1310 KNPT Newport, OR	1490 KLOG Kelso, WA	102.9 KHKO Prairie City, OR
910 KURY Brookings, OR	1340 KLOO Corvallis, OR	1590 KTIK Netarts, OR	103.1 K276GF Pendleton, OR (4)
1050 KORE Springfield, OR	1400 KBCH Lincoln City, OR		

Relays: 1) KORE 1450, 2) KRCC 690, 3) KLOG 1490, 4) KTIK 1240

UTAH JAZZ David Locke, Ron Boone Web: nba.com/jazz/

AM
750 KOAL Price, UT
920 KVEL Vernal, UT
1210 KHKR Washington, UT

1280 KZNS Salt Lake City, UT
1390 KLGJN Logan, UT

FM
94.9 KPKY Pocatello, ID
97.5 KZNS-FM Coalville, UT
97.7 K249EQ Saint George, UT (1) *

104.5 KZKY Ucon, ID
106.9 K295CW Logan, UT (2)

Relays: 1) KHKR 1210, 2) KLGJN 1390, **Note:** * denotes Jazz' list has frequency as 97.9 MHz

LOS JAZZ DE UTAH No play-by-play personnel information available, Web: nba.com/jazz

1600 KTUB Centerville, UT

106.3 KBMG Evanston, WY (45 games)

That will wrap it up for another edition of SportChannels; in the next edition, the radio listings for the Southwest Division will be featured. 73 and play hard from NØUIH, the Florissant Valley Dial Twister.

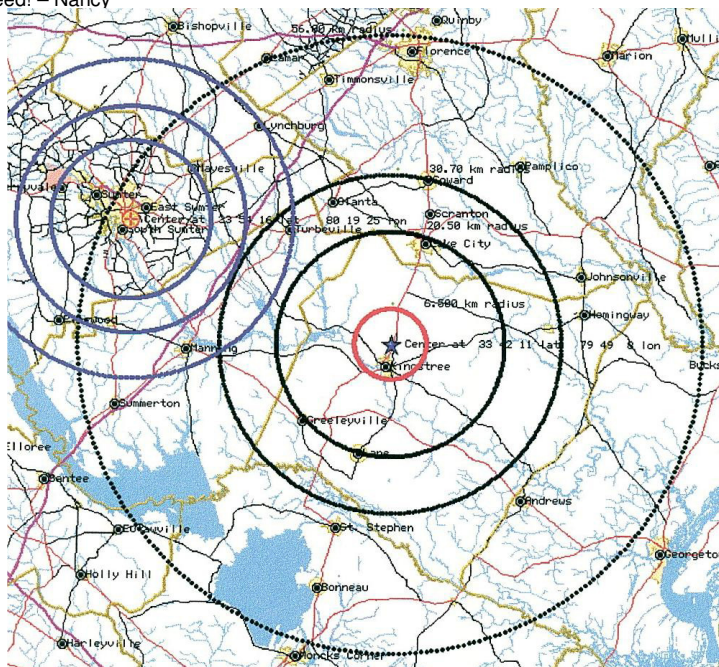


2019-2020 IRCA DX CONTEST – Manager: Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212
Email: NancyJohnson@prodigy.net

January 15 2020 – Contest Update

- | | | | | | | | |
|--------------------|-----|-----------------|-----|------------------|-----|------------------|----|
| 1. John C Johnson | 249 | 3. Greg Hall | 241 | 5. Tim Noonan | 189 | 7. Nancy Johnson | 68 |
| 2. Larry Van Horne | 245 | 4. Dennis Vroom | 192 | 6. Phil Bytheway | 73 | 8. Mike Sanburn | 31 |

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



WDXY Sumter SC 1240

THE INTERNATIONAL RADIO CLUB OF AMERICA
PO Box 60241, Lafayette LA 70596
<http://www.ircaonline.org>

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from October through March, twice monthly from April to October.) **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists.



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MEMBERSHIP DUES

- Worldwide \$5 (for the first year – ie a joining fee)
- Worldwide \$0 (subsequent years – ie renewal)

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Pay electronically with PayPal. Go to www.paypal.com, then send your dues to ircamember@ircaonline.org – contact Lynn Hollerman for more information.

For information on **subscribing to the IRCA mailing list** at Hard-Core-DX, a group Email service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

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Australian Stations – January 2020

FREQ	STATION	AREA SERVED	USAGE	PW	STATE						
531	2PM	Kempsey	Commercial	5k	NSW	801	HPON	Gosford	HPON	5k	NSW
	3GG	Warragul	Commercial	5k	VIC	810	2BA	Bega	National	10k	NSW
	4KZ	Innisfail	Commercial	5k	QLD		6RN	Perth	National	20k	WA
	6DL	Dalwallinu	National	10k	WA	819	2GL	Glen Innes	National	10k	NSW
	HPON	Adelaide	HPON	500	SA		6KW	Kununurra	National	5k	WA
540	4QL	Longreach	National	10k	QLD	828	3GI	Sale	National	10k	VIC
	7SD	Scottsdale	Commercial	5k	TAS		4GC	Charters Towers	Commercial	1k	QLD
549	2CR	Cumnock	National	50k	NSW		6GN	Geraldton	National	10k	WA
558	4AM	Atherton	Commercial	5k	QLD	837	4RK	Rockhampton	National	10k	QLD
	4GY	Gympie	Commercial	5k	QLD		6ED	Esperance	National	1k	WA
	6WA	Wagin	National	50k	WA		7XS	Queenstown	Commercial	500	TAS
567	2BH	Broken Hill	Commercial	500	NSW	846	2RN	Canberra	National	10k	NSW
	4JK	Julia Creek	National	10k	QLD		4EL	Cairns	Commercial	5k	QLD
	6MN	Newman	National	100	WA		6CA	Carnarvon	National	2500	WA
	6PN	Pannawonica	National	100	WA	855	3CR	Melbourne	Community	3500	VIC
	6PU	Paraburdoo	National	100	WA		4QB	Pialba	National	10k	QLD
	6TP	Tom Price	National	100	WA		4QO	Eidsvold	National	10k	QLD
576	2RN	Sydney	National	50k	NSW	864	4GR	Toowoomba	Commercial	2k	QLD
585	2WEB	Bourke	Community	10k	NSW		6AM	Northam	Commercial	2k	WA
	6PB	Perth	National	10k	WA		7RPH	Hobart	Community	2k	TAS
	7RN	Hobart	National	10k	TAS	873	2GB	Sydney	Commercial	6k	NSW
594	3WV	Horsham	National	50k	VIC		6DB	Derby (WA)	National	2k	WA
603	2RN	Nowra	National	10k	NSW		HPON	Innisfail	HPON	2k	QLD
	4CH	Charleville	National	10k	QLD	882	3RPH	Warrnambool	Community	2k	VIC
	6PH	Port Hedland	National	2k	WA		3YB	Warrnambool	Commercial	2k	VIC
612	4QR	Brisbane	National	50k	QLD		4BH	Brisbane	Commercial	5k	QLD
	6RN	Dalwallinu	National	10k	WA		6PR	Perth	Commercial	10k	WA
621	3RN	Melbourne	National	50k	VIC	891	5AN	Adelaide	National	50k	SA
	6EL	Bunbury	Commercial	2k	WA		HPON	Townsville	HPON	5k	QLD
630	2PB	Sydney	National	10k	NSW	900	2LM	Lismore	Commercial	5k	NSW
	4QN	Townsville	National	50k	QLD		2LT	Lithgow	Commercial	5k	NSW
	6AL	Albany	National	5k	WA		6BY	Bridgetown	Commercial	2k	WA
	7RN	Queenstown	National	400	TAS		8HA	Alice Springs	Commercial	2k	NT
639	2HC	Coffs Harbour	Commercial	5k	NSW	918	2XL	Cooma	Commercial	2k	NSW
	4MS	Mossman	National	1k	QLD		4VL	Charleville	Commercial	2k	QLD
	5CK	Port Pirie	National	10k	SA		6NA	Narrogin	Commercial	2k	WA
	8RN	Katherine	National	2k	NT	927	3UZ	Melbourne	Commercial	5k	VIC
648	2NU	Tamworth	National	10k	NSW		4CC	Gladstone	Commercial	5k	QLD
	6GF	Kalgoorlie	National	2k	WA	936	4PB	Brisbane	National	10k	QLD
657	2BY	Byrock	National	10k	NSW		6FX	Fitzroy Crossing	Community	5k	WA
	8RN	Darwin	National	2k	NT		7ZR	Hobart	National	10k	TAS
	HPON	Perth	HPON	2k	WA	945	4HI	Dysart	Commercial	1k	QLD
666	2CN	Canberra	National	5k	NSW		HPON	Bendigo	HPON	2k	VIC
	4CC	Biloela	Commercial	2k	QLD	954	2UE	Sydney	Commercial	5k	NSW
	4LM	Mount Isa	Commercial	2k	QLD		4EL	Gordonvale	Commercial	350	QLD
	6LN	Carnarvon	Commercial	1k	WA	963	2RG	Griffith	Commercial	5k	NSW
675	2CO	Corowa	National	10k	NSW		4WK	Warwick	Commercial	5k	QLD
	6BE	Broome	National	5k	WA		5SE	Mount Gambier	Commercial	5k	SA
684	2KP	Kempsey	National	10k	NSW		6TZ	Bunbury	Commercial	2k	WA
	6BS	Busselton	National	5k	WA	972	2DU	Cobar	Commercial	300	NSW
	8RN	Tennant Creek	National	1k	NT		2MW	Murwillumbah	Commercial	5k	NSW
693	3AW	Melbourne	Commercial	5k	VIC		5PB	Adelaide	National	2k	SA
	4KQ	Brisbane	Commercial	5k	QLD	981	2NM	Muswellbrook	Commercial	5k	NSW
	4KZ	Tully	Commercial	500	QLD		3HA	Hamilton	Commercial	2k	VIC
	4LM	Cloncurry	Commercial	1k	QLD		6KG	Kalgoorlie	Commercial	2k	WA
	5SY	Streaky Bay	National	1k	SA	990	3RN	Albury/Wodonga	National	500	VIC
	6WR	Kununurra	Community	5k	WA		4RO	Rockhampton	Commercial	5k	QLD
702	2BL	Sydney	National	50k	NSW		8GO	Nhulunbuy	National	500	NT
	6KP	Karratha	National	10k	WA	999	2NB	Broken Hill	National	2k	NSW
711	4QW	St George	National	10k	QLD		2ST	Nowra	Commercial	5k	NSW
720	2ML	Murwillumbah	National	400	NSW	1008	4TAB	Brisbane	Commercial	10k	QLD
	2RN	Armidale	National	50	NSW		HPON	Launceston	HPON	5k	TAS
	3MT	Omeo	National	2k	VIC	1017	2KY	Sydney	Commercial	5k	NSW
	4AT	Atherton	National	4k	QLD		6WH	Wyndham	National	500	WA
	6WF	Perth	National	50k	WA		HPON	Bunbury	HPON	1k	QLD
729	5RN	Adelaide	National	50k	SA	1026	3PB	Melbourne	National	10k	VIC
738	2NR	Grafton	National	50k	NSW		4AA	Mackay	Commercial	5k	QLD
	6MJ	Manjimup	National	5k	WA	1035	2EA	Wollongong	National	2k	NSW
747	4QS	Toowoomba	National	10k	QLD	1044	2UH	Muswellbrook	National	2k	NSW
	6SE	Esperance	Commercial	5k	WA		4WP	Weipa	National	500	QLD
	7PB	Hobart	National	3500	TAS		5AU	Port Pirie	Commercial	2k	SA
	8JB	Jabiru	National	200	NT		6BR	Bridgetown	National	1k	WA
756	2TR	Taree	National	2k	NSW	1053	2CA	Canberra	Commercial	5k	NSW
	3RN	Wangaratta	National	10k	VIC		HPON	Brisbane	HPON	500	QLD
	6TZ	Margaret River	Commercial	2k	WA	1062	4TI	Torres Strait	National	2k	QLD
765	2EC	Bega	Commercial	5k	NSW		5MV	Renmark/Loxton	National	2k	SA
	4GC	Hughenden	Commercial	500	QLD	1071	3EL	Maryborough (Vic)	Commercial	5k	VIC
	5CC	Port Lincoln	Commercial	5k	SA		4SB	Kingaroy	Commercial	2k	QLD
	8HOT	Katherine	Commercial	500	NT		6WB	Katanning	Commercial	2k	WA
774	3LO	Melbourne	National	50k	VIC	1080	2MO	Gunnedah	Commercial	2k	NSW
783	6VA	Albany	Commercial	2k	WA		6IX	Perth	Commercial	2k	WA
	8AL	Alice Springs	National	2k	NT		HPON	Hobart	HPON	5k	TAS
792	4RN	Brisbane	National	25k	QLD	1089	2EL	Orange	Commercial	5k	NSW
801	4QY	Cairns	National	2k	QLD		3WM	Horsham	Commercial	5k	VIC
	5RM	Renmark/Loxton	Commercial	2k	SA	1098	2RN	Goulburn	National	200	NSW

1098	4LG	Longreach	Commercial	2k	QLD	1332	4BU	Bundaberg	Commercial	5k	QLD
	6MD	Merredin	Commercial	2k	WA	1341	HPON	Geelong	HPON	5k	VIC
1107	2EA	Sydney	National	5k	NSW	1350	2LF	Young	Commercial	5k	NSW
1116	3AK	Melbourne	Commercial	5k	VIC	1359	4WK	Toowoomba (City)	Commercial	250	QLD
	4BC	Brisbane	Commercial	6300	QLD		HPON	Mildura/Sunraysia	HPON	200	VIC
	6MM	Mandurah	Commercial	2k	WA	1368	2GN	Goulburn	Commercial	2k	NSW
1125	1RPH	Canberra	Community	2k	ACT	1377	3MP	Melbourne	Commercial	5k	VIC
	5MU	Murray Bridge	Commercial	5k	SA	1386	HPON	Penrith	HPON	300	NSW
1134	2AD	Armidale	Commercial	2k	NSW	1395	2LG	Lithgow (City)	National	200	NSW
	3CS	Colac	Commercial	5k	VIC		5AA	Adelaide	Commercial	5k	SA
	6TZ	Collie	Commercial	2k	WA	1404	2PK	Parkes/Forbes	Commercial	2k	NSW
	6TZ/T	Collie	Commercial	2k	WA		HPON	Busselton	HPON	4k	WA
1143	2HD	Newcastle	Commercial	2k	NSW	1413	2EA	Newcastle	National	5k	NSW
	4HI	Emerald	Commercial	5k	QLD	1422	4AM	Port Douglas	Commercial	1k	QLD
1152	2WG	Wagga Wagga	Commercial	2k	NSW		HPON	Melbourne	HPON	5k	VIC
	6PB	Busselton	National	10k	WA	1431	2RN	Wollongong	National	2k	NSW
1161	4FC	Maryborough (Qld)	Commercial	2k	QLD		HPON	Kalgoorlie	HPON	2k	WA
	5PA	Naracoorte	National	10k	SA	1440	1EA	Canberra	National	2k	ACT
	7FG	Fingal	National	1k	TAS	1449	2MG	Mudgee	Commercial	5k	NSW
1170	2CH	Sydney	Commercial	5k	NSW		HPON	Mandurah	HPON	2k	WA
1179	3RPH	Melbourne	Community	5k	VIC	1458	2PB	Newcastle	National	2k	NSW
1188	2NZ	Inverell	Commercial	2k	NSW	1467	3ML	Mildura/Sunraysia	Commercial	2k	VIC
	6XM	Exmouth	National	2k	WA	1476	4ZR	Roma	Commercial	2k	QLD
1197	4YB	Brisbane	Community	500	QLD		5MG	Mount Gambier	National	1k	SA
	5RPH	Adelaide	Community	2k	SA	1485	2EA	Wollongong	National	150	NSW
1206	2CC	Canberra	Commercial	5k	NSW		2RN	Wilcannia	National	100	NSW
	2GF	Grafton	Commercial	5k	NSW		4HU	Hughenden	National	50	QLD
	HPON	Perth	HPON	2k	WA		5LN	Port Lincoln	National	200	SA
1215	4HI	Moranbah	Commercial	250	QLD	1494	2AY	Albury	Commercial	2k	NSW
	6NM	Northam	National	500	WA	1503	2BS	Bathurst	Commercial	111	NSW
1224	2RPH	Sydney	Community	5k	NSW		3KND	Melbourne	Community	5k	VIC
	3EA	Melbourne	National	5k	VIC	1512	2RN	Newcastle	National	10k	NSW
1233	2NC	Newcastle	National	10k	NSW		6BAY	Morawa	Retransmission	5k	WA
1242	3GV	Sale	Commercial	5k	VIC	1521	2QN	Deniliquin	Commercial	2k	NSW
	4AK	Oakey	Commercial	2k	QLD	1530	2VM	Moree	Commercial	2k	NSW
	5AU	Port Augusta	Commercial	2k	SA	1539	HPON	Adelaide	HPON	5k	SA
	HPON	Darwin	HPON	2k	NT	1548	4QD	Emerald	National	50k	QLD
1251	2DU	Dubbo	Commercial	2k	NSW	1557	2RE	Taree	Commercial	2k	NSW
1260	3SR	Shepparton	Commercial	2k	VIC		HPON	Renmark/Loxton	HPON	500	SA
	4MW	Torres Strait	Community	2k	QLD	1566	3NE	Wangaratta	Commercial	5k	VIC
1269	2SM	Sydney	Commercial	5k	NSW		4GM	Gympie	National	200	QLD
	6RN	Busselton	National	5k	WA	1575	HPON	Wollongong	HPON	5k	NSW
1278	3EE	Melbourne	Commercial	5k	VIC	1584	2EC	Narooma	Commercial	200	NSW
1287	2TM	Tamworth	Commercial	2k	NSW		2WA	Wilcannia	National	100	NSW
1296	4RPH	Brisbane	Community	5k	QLD		4CC	Rockhampton	Commercial	500	QLD
	6RN	Wagin	National	10k	WA		4VL	Cunnamulla	Commercial	161	QLD
1305	5RN	Renmark/Loxton	National	2k	SA		5WM	Woomera	National	50	SA
1314	3BT	Ballarat	Commercial	5k	VIC		7SH	St Helens	National	100	TAS
	HPON	Wollongong	HPON	5k	NSW	1593	HPON	Melbourne	HPON	5k	VIC
1323	5DN	Adelaide	Commercial	3300	SA	1602	2CP	Cooma	National	396	NSW
	HPON	Canberra	HPON	400	ACT		3WL	Warrnambool	National	250	VIC
1332	3SH	Swan Hill	Commercial	2k	VIC		5LC	Leigh Creek South	National	200	SA

Paul – Moderator – UltralightDX