

1490	KOMJ	Omaha, NE	old slogan: "Boomer 104.1 and 1490", new: "Boomer 104.1 94.5 and 1490"
	WWIL	Wilmington, NC	was urban gospel, now religious teaching
	WPAK	Farmville, VA	was unknown format, now southern gospel, adds slogan: "Cross Country FM"
1510	WMEX	Boston, MA	now silent
1540	WNWR	Philadelphia, PA	was unknown format, now regional Mexican

MEMBER CONTRIBUTION

Mike Sanburn of Bellflower CA sends along the following dated 11/30/18 from Paul B Walker Jr via IRCA Hard Core DX mailing list re possible KSWV-810 Santa Fe NM format change:

The station is listed as Spanish/Regional Mexican in several places, including wikipedia, TopazDesigns AM Broadcast data base and radio locator. However, DXing from Laramie WY this morning and I hear them playing pretty traditional English language Christmas tunes with a legal id, that also mentions their translator. I heard a station liner that implies they are classic hits now.

Well, now I have a new problem, a large open ulcer (actually multiple ones) on my lower outer left leg caused partially by my Type 2 diabetes I have, called a venous leg ulcer, has gotten worse since early October when I got back to work and is now infected so have to go to hospital to get it treated, been seeing multiple doctors about it since early October. As a result, I am missing my work's holiday banquet Friday 11/30 and my local ham radio club's holiday dinner Sunday 12/2 and I've cancelled all over activities, going to Urgent Care today (11/30) to get it treated as I'm worried it could lead to a possible limb amputation so has to be treated immediately. Other than that, had a decent Thanksgiving holiday, hope everyone else did, December is just around the corner and hopefully everyone has a good Xmas holiday and DX season. 73's. Bob Wien



CANADIAN RADIO NEWS – Dan Sys

E-mail: sysdan@gmail.com

For November 2018, December 1 2018:

TECHNICAL CHANGES ON THE AIR

690 BC Vancouver CBU Has decreased power from 50,000 to 25,000 watts (fulltime).

OFF THE AIR

860 BC Ashcroft CBWA Shut down when CBKS 1450 in nearby Cache Creek flipped to 93.5 FM.

EXTENSIONS TO CP's GRANTED

580 AB Edmonton CHAH-cp 1811258 Alberta Limited has until October 29 2019 to get this new 10,000 watt (fulltime) commercial South Asian station on the air.

600 BC Vancouver CHOF-cp Sher-E-Punjab Radio has until November 28 2019 to get this new 50,000 watts (days)/20,000 watts (nights) commercial South Asian station on the air.

1350 ON Brampton CIRF-cp Radio Humsafar has until October 21 2019 to get this new 1,000 watt commercial South Asian station on the air.

From **Jon Pearkins**:

600 QC Montreal CFQR Marking two full years of Test Mode with continuous music and no recent word on their launch of an English language News-Talk format. Co-owned with CFNV by TTP Media.

940 QC Montreal CFNV Back on the air after lengthy outage. Still playing continuous music, despite promising an autumn 2018 launch of a French language Health and Wellness format. While there is considerable doubt about the station's future, they may well seize the opportunity for French language Sports now that CKLX-FM plans to drop the format.



WESTERN DX ROUNDUP – Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923

E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: Dec. 7, Dec. 14, Dec. 21, Dec. 28, Jan. 4, Jan. 11, Jan. 18, Jan. 25, Feb. 1, Feb. 8, Feb. 15. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

(BB) **Bill Block**-Prescott Valley AZ billblock@cablone.net
R8, Wellbrook ALA1530LNP
(GH) **Glen Hansen**-64985 Olson Road-Deer Island OR 97054 gghansen2@outlook.com
JRC-NRD 545, R-390A, various longwires, Kiwa loop
(JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 John_Johnson@prodigy.net
SDRplay RSPduo, Wellbrook ALA1530LNP
(AWP) **Art Peterson**-Richmond CA awpeteronprf@att.net
JRC NRD-545, Radio Plus Quantum ferrite loop, Bonito Boni-whip active antenna

550 KRAI **CO**, Craig heard 11/26 at 0855 with "55 Country KRAI." (BB-AZ)
600 CJWW **SK**, Saskatoon 11/19 1830 news and weather into C&W music. Fair signal and alone with no KOGO on JRD with N-S wire. (GH-OR)
740 KVOR **CO**, Colorado Springs heard 11/29 at 0855 with "KVOR Business Report" way on top of KCBS. (BB-AZ)
790 KGMI **WA**, Bellingham 11/21 0730 news mixing with UnID religious station. Fair to poor and gone in the static on JRC with N-S wire. (GH-OR)
930 KKXX **CA**, Paradise in spite of the recent horrible fire that virtually wiped out the town of license, this station noted operating normally 11/28 1730-2000, ID at 1800 as "KKXX, AM and FM." (AWP-CA)
1220 KDOV **CA**, Palo Alto 11/20 1930 biz talk, weak and buried in the muck on JRC with N-S wire. First time heard from home. (GH-OR)
1230 KORT **ID**, Grangeville 11/20 1900 ID and music, very weak but alone on frequency on JRC with E-W wire. Second time heard this season. (GH-OR)
1370 KJCE **TX**, Rollingwood 11/24 on top 1370 at 0800 out of spot with "The right choice is everywhere. On air, KJCE Rollingwood, KKMJ HD-2 Austin, online at talk 1370-dot-com and on your smart phone. A radio-dot-com radio station. Talk 1370 the right choice" ID into CBS News. New for me. (JCJ-AZ)
1380 KHEY **TX**, El Paso heard 11/26 at 0847 with "El Paso Sports Station 1380." (BB-AZ)
1420 KUJ **WA**, Walla Walla 11/19 1930 fair with many IDs, News. Trading places with KIT1 at times on JRC with N-S wire. Not heard for a while. (GH-OR)
1670 QKMS **CA**, Redding 11/22 0100 ID and news, talk of wildfires. Fair to good and alone with deep slow fades on JRC and N-S wire. (GH-OR)

UnID

1550 UnID 11/25 0100-0130 Fox sports talk with no ID's at TOH or BOH. I have no idea what this could be. Ideas? (GH-OR)

Thank you for the WDXR reports! – Nancy 11/30 1900



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

E-mail: John_Johnson@prodigy.net

CDXR reports ONLY: cdxr@ircanonline.org

RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood MO NOUIHEric@gmail.com
CountyComm GP5/SSB Ultralight receiver, Grundig AN-200 tunable loop, Yaesu FRG-7, Worcester Space Magnet II
[GH-IL] **Greg Harris**, Park Forest IL wdx9khy@sbcglobal.net
FRG100, Quantum Loop

DOWN THE DIAL

- 540 WAUK **WI**, Jackson. 11/28 good. 08:00 with ID. New. [GH-IL]
730 CKAC **QC**, Montreal. 11/27 fair to poor signal, mixing with KKDA, XEX. 0445 noted with talk mentioning Montreal in French. #15 on 730. [EB-MO]
920 WBAA **IN**, West Lafayette. 11/24 fair. 19:00 with "WBAA" ID by woman announcer. [GH-IL]
1290 WKLJ **WI**, Sparta. 11/28 fair signal over KOIL, WHIO, WIRL. 2119 noted with University of Wisconsin basketball PBP and local spots. [EB-MO]
1300 WOOD **MI**, Grand Rapids. 11/26 fair signal over WLXG. 2140 noted with local spot, "Grand Rapids Griffins hockey is on News radio Wood" mention into Grand Rapids Griffins minor league hockey PBP. [EB-MO]
1330 KPTY **IA**, Waterloo. 11/28 fair to poor, mixing with WRAM; ACI from KSIV 1320. 1652 with Contemporary Hit Radio format, "The Party" ID. [EB-MO]
WRAM **IL**, Monmouth. 11/28 fair to poor signal, mixing with KPTY; ACI from KSIV 1320. 1650 noted with "Your home in the country, 13-30 WRAM" ID into local spots. [EB-MO]
1450 WJER **OH**, Dover-New Philadelphia. 11/27 fair to poor signal, mixing with WMOH and other stations. 0425 poked through with calls mentioned twice in promo. This completes Ohio on 1450 at my location. [EB-MO]
1500 KCLF **LA**, New Roads. 11/28 fair to poor signal over KSTP. 0254 noted with R&B Oldies format, "Blues and oldies, KCLF" ID. Full-time CP may be on; probably running 850 watts. [EB-MO]

FLASHBACK

50 Years Ago – December 7 1968 issue of "DX Monitor" ... **Andy Lagomarsino** of San Jose CA logged KFRB 900 Alaska and added two new states with KOAM 860 Kansas and WRIZ 1550 Florida ... **Mark Robinet** of Windsor ON also added two new states with KWOY 1410 Wyoming and WCSC 1390 South Carolina. Mark noted two weeks earlier he had added New Jersey logging WERA 1590. // **25 Years Ago – December 4 1993** issue of "DX Monitor" ... **Nick Hall-Patch** of Victoria BC heard 783 Russia and the South Korean jammer on 1053 ... **Karl J Zuk** of Croton-on-Hudson NY told about his 1946 Teletone 100.

OPEN MIKE

Thanks go out to Eric and Greg this week. This column was typed 11-30-18. 73, John



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

Deadline – Monday 1200 UTC.

*** TRANS-ATLANTIC DX ***

- 693 **UNITED KINGDOM** BBC Radio 5, Droitwich et al. NOV 24 0340 – bits of audio possibly //909. Peaked at 0403 w/news in British-accented English. [BP-WA]
697 **UnID** NOV 27 0126 – traces of male talk. [BP-WA]
855 **ROMANIA** Radio Romania Actualitati, Bucuresti. NOV 30 0130 – Fair with a complex violin solo being played, and man talking, sort of Latinate sounding, but not really Spanish. Started to wonder about what I had thought was RNE reception, then finally nailed at 0332 with pop vocals at fair level and //1179 which was barely there, but enough for a parallel. [NHP-BC]
855t **SPAIN** RNE-1, Murcia. NOV 28 0629 – Fair to good with definite Spanish by man; 2 and 1 pips at 0630. [NHP-BC]
864 **EGYPT** Holy Quran Programme, Santah. NOV 30 0235 – Fair to good many times during the evening, with either Koran recitations or a sort of long-syllabled speech by man. IDed for sure with //1503 at 0128UT.
+DEC 1 0227 – strong and clear Koran recitation. [NHP-BC]
1053 **ROMANIA** SRR Radio Iasi, Iasi. NOV 27 0350 – Fair with 1kHz test tone from 0350, then choral anthem 0356-8. Was verified by listening at the same time the following evening to the same tone and anthem on <http://www.radioiasi.ro/asculta-live/>. [NHP-BC]
1089 **UNITED KINGDOM** TalkSport synchros OCT 27 0122 – Signal frequently peaked to fair readable level throughout the evening. Was able to catch ID of program as Extra Time. [MB-TX]
1278 **IRAN** IRIB Radio Kermanshah, Kermanshah. DEC 1 0254-0310 – Poor with man and woman talking in long phrases //Qatar KiwiSDR on 1278 where Oman is a problem, but a few minutes later verified that the same program is being streamed on IRIB Kermanshah website. New here. [NHP-BC]
1386 **LITHUANIA** Radio Baltic Waves, Viesintos. NOV 26 0242 – faded up for a couple of minutes w/fair Russian talk. [BP-WA]
+NOV 30 0054 – Excellent with Russian sounding talk by man. Had faded a bit by 0100, but easily heard a couple of Radio Svoboda IDs then. [NHP-BC]
1413 **MOLDOVA** Vesti FM, Grigoriopol/Maiac. NOV 27 0127 – faded up with bits of Russian talk. 0200 6 pips, then weak male talk. Best at 0208 w/more talk in Russian. [BP-WA]
1503 **EGYPT** Holy Quran Programme, Al-Arish. NOV 30 0128 – Poor with Koranic recitation, recognizable by being parallel to 864, which wasn't that strong either at the time, but strong enough. New here. [NHP-BC]
1539 **UNITED ARAB EMIRATES** Asianet Radio, Al-Dhabbaya. DEC 1 0239 – Poor with Indian pop, //657 on the Qatar KiwiSDR. New here. [NHP-BC]
1575 **IRAN** Jammer. NOV 26 0221 – jammer fair and producing noticeable buzz. [BP-WA]

*** TRANS-PACIFIC DX ***

- 621 **CHINA** Heilongjiang RGD Xinwen Guangbo. NOV 30 1520 – Fair with female ballad //900. [NHP-BC]
747 **JAPAN** JOIB, Sapporo. NHK2. OCT 30 1242 – English language lesson program with male and female announcers. Signal peaked at local sunrise to fair level and could easily ID program content, strongest signal yet at my location. Received on Terminated Delta antenna aimed at 40 degrees toward Europe. [MB-TX]
819 **DPR KOREA** Pyongyang, KCBS. DEC 2 1517 – Good with orchestral music //873. [NHP-BC]
1089t **CHINA** Fuzhou, CNR6. NOV 29 1522 – Poor with operatic singing by woman, seemed parallel with very weak 6165, but then covered by NHK2, man talking //774 1523. [NHP-BC]
1089 **JAPAN** JOHB, Sendai, NHK2. NOV 30 1520 – Good with NHK mention by woman. [NHP-BC]
1377 **CHINA** Xingyang, CNR1. NOV 26 1539 – Poor with man talking //1593. [NHP-BC]
1458 **CHINA** Hohhot?, Nei Menggu RGD. NOV 26 1534 – Poor with very interesting droning vocal music lasting several minutes //7270. New here. [NHP-BC]
1512 **JAPAN** NHK2 synchros. DEC 2 1533 – Poor with music box s/off; that little tune really punches through. [NHP-BC]

*** PAN-AMERICAN DX ***

- 550 **HONDURAS** ABC Radio, Tegucigalpa. NOV 24 1130 – "ABC Radio" ID, followed by attention signal (three ascending notes). Fair signal. [MB-TX]
700 **MEXICO** XEETCH, Etchojoa, Son. NOV 29 1304 – woman in unknown language, partly Spanish mentioning "Desarrollo de Pueblos Indígenas", which is the federal agency running native stations I love to hear, then definite IDs pronounced in Spanish, XEETCH heard twice, and La Voz de los Tres Rios. That's the 5 kW daytime in Etchojoa, Sonora. Has growing SAH of 128/min = 2.13 Hz in plain Spanish, likely XEGD in Hidalgo del Parral, Chih. [GH-OK]
720 **NICARAGUA** Radio Catolica, Managua. NOV 20 0355 – Man in religious talk, peaking to fair signal. [MB-TX]
810 **BAHAMAS** ZNS3, Freeport. NOV 25 1116 – Religious talk by man. Fair signal under dominant WHB. [MB-TX]
t **MEXICO** XERSV, Ciudad Obregón, Son. NOV 29 1308 – looping SW, Mexican NA by kid chorus is playing; running late? 1310 losing to WHB and can't make out an ID before "...AM" in Spanish. Then some Christmas music, Greensleeves, 1316 Merry Little Xmas in English so probably a third station. The only Mexican fit is XERSV, Tribuna Radio, Ciudad Obregón, Son, 5 kW daytime. (Tim Hall has confirmed that XESB in Chihuahua is gone.) [GH-OK]
820 **MEXICO** XEABCA, Mexicali, BCN. NOV 29 1321 – canned female ID as "Canal Ochocientos Veinte, ABC Radio" and back to romantic music, easily separable from WBAP at the moment, just before LSR of 1321 UT. It's XEABCA in Mexicali BCN, which really gets out, and frequently non-IDs. [GH-OK]

CONTRIBUTORS

- DV-OR **MIKE BEU**, Austin TX KD5DSQ
Drake R8B, Terminated Delta Antenna (17ft apex and 28ft base), northeast, Mini-Flag Antenna (7ft by 15ft), southeast
NHP-BC **NICK HALL-PATCH**, Victoria, BC nhp@ieee.org
AOR AR7030, RFSpace SDR-IP; RFSpace SDR-14 running DX Fishbarrel program; north FLG-100 antenna, west FLG-100 antenna, 1m indoor box loop, 14m sloper, DXF-3 phasing unit
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 north
Many thanks for the week's contributors! 73 and Good DX, Brandon



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

Gary DeBock's Hawaii DXpedition (via IRCA eGroup)

11/20+. Earlier this month my wife and I stumbled across an outstanding 6-day Costco Travel package to the Aston at Poipu Kai on Hawaii's Kauai Island, the westernmost of the main Hawaiian Islands (and closest to Asia). Included in the \$2.3K cost was roundtrip airfare for two on Alaska Air (nonstop from Seattle both ways, with no "red-eye" flights), 5 nights at a gorgeous, beachside 2-BR condo with a patio area ideal for TP-DXing (and within easy walking distance to the island's best snorkeling beach), a full sized new rental car and a \$50 Costco cash card to use for a little spending \$\$\$. This was far and away the best travel bargain we have ever had to the Hawaiian Islands – and right in the middle of the DX season!

The location at Poipu Kai is at the extreme southeastern tip of Kauai Island, which offers a clear, unobstructed salt water path to Asia, ANZ, the Pacific Islands and both North and South America. Unfortunately, it also offer a clear salt water path to the RF Zoo of Honolulu (more about that later).

Of course, before you can chase DX in Hawaii you will need to bring along some kind of radio and antenna – whether it is a hot-performing portable, an SDR along with a small broadband antenna or an Ultralight with a "Frequent Flyer" miniature FSL. Whatever you bring will need to go through TSA inspections both ways – so try not to get too complicated or extravagant. Fragile items can be taken in hand-carry luggage, so use this for radios, FSL antennas, digital recorders and anything else that could be smashed. Also keep in mind that many large motels and condos do not allow external antennas to be set up on their property – and most of them generate enough indoor RFI to make DXing indoors a lost cause. Before leaving for the Islands, be ready with a DXing plan that you know will work!

For me, TP-DXing with a modified CC Skywave SSB portable and TSA-friendly FSL antenna in the large open patio area right outside our condo meant chasing enhanced DX right in the middle of a gorgeous beach side garden (video: <https://www.youtube.com/watch?v=6CbS3zUD6hl&t=29s>). These 2-BR condo complexes were overbuilt somewhat, and the mainland owners of these condos badly need the tourist rental income to pay their mortgages. The competition for this rental income is high. As such, the cost per night for a stay at one of these newer 2-BR condos on Kauai is about the same as for a well-worn 1-BR motel room in Kona (on the Big Island).

So, what can a TP-DXer expect from the transoceanic propagation at Poipu Kai? First of all, there is so much enhanced DX coming from so many different areas of the world that you will need to carefully choose your priorities. What is your main DXing thrill? For me, it was chasing exotic Asian DX that was unlikely or unavailable at home in the Pacific Northwest. Unfortunately, when I tried to do this during the evening hours on Kauai (0700-1000 UTC) there was so much enhanced transoceanic DX coming from North and South America that the frequencies became a snarling maze of languages and heterodynes. During a check of 801 for kHz Pyongyang BS at 0922 UTC the frequency was completely hijacked by 800-Radio Transmundo in the Caribbean (near South America). The same thing was going on all over the band, with North and South American stations on the 10 kHz band plan fighting it out with Asians and Pacific Islanders using the 9 kHz frequency system. Honolulu QRM added its own distinctive touch to this jumbled fiasco, and eventually I was forced to concentrate on sunrise DXing sessions in order to track down any really exotic Asian DX. The bands were so much quieter during the sunrise sessions starting around 1500 UTC. Of course, if a DXer was mainly interested in North or South American DX in Kauai he could have made out like a bandit around local sunset, when the Asian and Pacific Island stations would not yet have faded in.

The Asian propagation to Kauai Island during the sunrise sessions was like having constant exposure to the best possible TP-DXing signals that ever show up on west coast ocean beaches – except that far more of Asia is in play. Big gun Middle East stations like 702-BBC (in Oman) can show up at decent strength, and not too many TP-DXers have familiarity with Arabic. Stations like 918-Cambodia which are rare DX on the west coast often thunder in at S9, and by necessity a DXer quickly learns the Vietnam parallel frequencies for its various networks. The Chinese propaganda blasters on 666, 783 and 909 pound in like locals, and a DXer needs to wait out their sign off times in order to receive anything exotic on their frequencies. The entire situation is a crash course in surviving and thriving in the middle of nonstop exceptional propagation, which can easily overload your abilities to sort out languages, stations and programming. Depending on your TP-DXing experience, you will either find this situation thrilling or bewildering.

If you have extensive TP-DXing experience on west coast ocean beaches you will probably feel like you are on Cloud Nine, but without this experience you will probably wonder where to start. The usual Asian big guns on 594, 747, 774 and 972 are either buried in Honolulu splatter or have trouble holding down their frequencies. Language recognition of Chinese, Korean and Japanese becomes crucial in sorting out unfamiliar stations, and at least basic recognition of Vietnamese, Thai and Taiwanese is helpful. In addition, knowledge of exotic station frequencies is essential before a DXer can hope to track these exotic stations down. Many exotic station frequencies (like 576, 594, 657, 693 and others) are jumbled with Honolulu splatter, and you need to know which ones are not (702, 729, 918 etc). The amount of TP-DXing experience that you can bring to the island is directly related to the results that you can expect from DXing on the island. Fortunately, because of two previous Hawaii trips and an April visit to the Cook Islands, I was able to track down some thrilling TP-DX on Kauai – 693-Bangladesh, 702-BBC (Oman), 729-Myanmar, 918-Cambodia, plus Vietnam stations on 675, 702, 711 and 729. An S9-level 800-Radio Transmundo jumped over to 801 during an evening session without any effort on my part. File review is continuing, though, and more exotic Asian stations may still show up.

Hawaiian station splatter is a major issue in Kauai, but depending upon the location of these pests, their signals may taper off just before TP propagation collapses (around 1705 in November). On my last session I was able to finally track down the 1000 kW Asian big gun 693-Bangladesh through wicked 690-KHNR (Honolulu) splatter, probably because the pest was farther into daylight than my more westerly Kauai location. The Hawaii pests on Maui and the Big Island also display the same behavior.

Propagation slowdowns on the west coast seem to be fairly irrelevant in Hawaii, with the only difference being S9 Australian and NZ signals showing up in the null of the S9 Asians. During regular sessions the big gun ANZ stations are usually around at S5 levels in the null of the Asians, but I didn't really go after the DU's during the Kauai trip. The Pacific island exotic stations on 540, 621, 846, 1017, 1098 and 1440 were all at S9 levels about 2 hours after local sunset, but once again the North and South American transoceanic DX stations were turning their frequencies into a pretty wild fiasco. Originally it seemed like a great idea to have a straight salt water shot to all these areas, but be careful what you wish for – you just might get it :-)

Finally, In consideration of the exceptional value of the Costco travel package and the superb transoceanic DX propagation prevalent on the Kauai beach, this 6 day Hawaii vacation proved to be as much of a lifetime hobby thrill as visiting the exotic Cook Islands in April – at less than half the cost. My strong advice to anyone who is feeling bored with his AM-DXing hobby is to step out of your comfort zone, and try something really new. You can certainly chase DX at home (or at the same flat ocean beach) for decades, but you are unlikely to experience anything radically different from what you have already experienced. Breakthrough results require breakthrough innovation, exploration and experimentation, and the commitment to overcome all challenges until you get the results you desire.

DXing on Kauai Island makes it easy for you. All the comforts of home are within a 20-minute drive. A Walmart, Safeway, Costco and Home Depot are all in the local area, close to your gorgeous 2-BR beach side condo. You don't even need to change currency or bring a passport (well, at least if you live south of the border). An outstanding snorkeling beach is a 5 minute walk away, and the "Garden Island" is one of the most beautiful in the entire Hawaiian chain, waiting for you to explore it in your new, full-sized rental car. What more could you ask for? So go ahead and take the plunge... and discover the exceptional thrill of forward Pacific TP-DXing!



BROADBAND SDR-DXing IN HAWAII – A SCOUTING REPORT

11/23. As most transoceanic DXers are aware, the Hawaiian Islands offer an exceptional opportunity for AM-DXing hobbyists to chase enhanced, salt water-boosted signals from around the world. A recent Ultralight + FSL antenna trip provided all the DXing excitement anyone could hope for, with potent signals received from Asia, the Middle East, Oceania, and both North and South America. But this was all live DXing – one frequency at a time. Is a similar trip possible using a broadband loop antenna and an SDR to record spectrum in one of the world's most enhanced environments?

Normally such a challenge would be unthinkable, due to external antenna restrictions and the impossibility of carrying large loop antenna components on major airlines. But the unique situation at Poipu Beach on Kauai Island is definitely worth mentioning.

First of all, there is a fully stocked Home Depot store about 15 minutes away by car, offering PVC pipes, concrete bases and antenna wire – along with any tools necessary for antenna assembly. The 2-BR condos on the Poipu Kai beach are not part of a motel, but are individually owned and rented out by a management company for owners on the mainland. I never saw a single management company official on the property during the entire 6 days, except for the night when we checked into the complex management office (and he seemed to stay right there). Each morning I set up my FSL antenna on a 5' PVC base in the large open patio area behind our condo from 0400-0700 local time (1400-1700 UTC), and never was questioned by anybody – let alone anybody from the management company. I'm pretty sure that small, breakdown versions of broadband antennas (such as the type that both Chuck and Tom have become skillful in setting up at the Rockwork cliff every August) would be fully acceptable during these sunrise enhancement sessions in Hawaii. There is excellent, free Wi-Fi available at the site for checking parallels and web streams, and fragile items like the SDR receivers and Wellbrook amps could be carried in hand carry luggage, similar to how I carry the Ultralights and FSL antennas. After such a broadband DXpedition the antenna parts could be probably be returned to the local Home Depot store, possibly with a chance of refunds.

Of course with such a pioneering effort there will always be challenges and surprising discoveries, and a sense of optimism and adventure will prove to be most useful. But the opportunity certainly is there – as well as the chance to conduct a breakthrough DXpedition that could be of legendary success.

Gary DeBock (in Puyallup WA, USA)

QH-12 DXpedition

11/20. From November 10-17 I was in Lubec, Maine for the QH12 DXpedition, named after the place I stay – Quoddy House.

I had three DKAZ antennas up during most of the week – one at 115 deg. For LatAm/Africa, one at 35 deg. for Europe and beyond and one at a nearby location, Lubec Bay Cottage, at 80 deg. for whatever I could catch. All used Vactrol termination.

I use Perseus receivers and have gotten far enough into wav file review to give a picture of what was heard:

http://realmonitor.com/am_logs_qh12.php

The highlight was some of the best TP reception I've had at QH with many carriers and audio on 747, 774, 945, 972, 1089, 1098 [Marshall Islands], 1206, 1287 and 1566 kHz.

For those unfamiliar, I don't keep a written log. The webpage above IS my log. Every 'logging' is an audio sample. The table presented is sorted by frequency along the left side with column headings on the right corresponding to the antenna, date and hour of the log. You can click on the round play button to hear the corresponding sound sample.

In the heading area of the webpage there are links to 'summary stats', a map of my loggings, geomagnetic conditions during the week and a 'quick tour' of the shack and antenna.

Enjoy! Bill Whitacre, Alexandria VA

11/26. Thanks Bill for the results from the most recent Maine DXpedition. I think, on the TP front, you've outdone anyone else in the 6-state New England area this autumn.

No TP audio here yet, just waterfall lines at 747 and 774. 972 is doomed with Portland on 970 on a not-a-heck-of-a-lot-different bearing. 1566 is no picnic either with big adjacent sloppers.

Your report + Bruce's PEI write-up + the NJ shore (LBI) info are certainly the go-to documents for this season's East Coast DXing. Also there have been a number of solo efforts including Roy Barstow's beach trips here on Cape Cod. I'm thinking of consolidating all the reports into a zip file to be shared.

The Newfoundland DXpedition full recap isn't in yet. Jim Renfrew had offered a few comments. While we're waiting for that, you can read Allen Willie's notes (also in NL) from 12 NOV: <https://www.facebook.com/groups/210104603155267/permalink/307187980113595/>

Mark Connelly, WA1ION, South Yarmouth MA

QH-12 DXpedition – Allen Willie (via Mark Connelly and IRCA eGroup)

It has been a great night for Trans-Atlantic DX on Medium Wave radio here in the North Atlantic. Here are some of the logs from what has been heard here this evening, including the 4 "new" catches for the logbook.

- 531 **ALGERIA** Jil FM, F'Kirina. 2350 11/12. Music, Arabic talk, ID //549 (Strong signal).
- SPAIN** RNE Radio 5, various. 2105 11/12. Spanish talk, ID (under Algeria).
- 540 **HUNGARY** MR1 Radio Kossuth, Solt. 2030 11/12. Man in Hungarian, mention of Magyar (Signal mixing w/CBT Grand-Falls – Windsor, Newfoundland).
- 549 **ALGERIA** Jil FM, Sidi Hamadouche. 0000 11/13. Arabic teletalk and ID.
- UKRAINE** UR 1 Mykolaiv. 2105 11/12. News by man in Ukrainian (mixing w/Algeria).
- 558 **IRAN** IRIB Radio Iran, Tehran. 2045 11/12. Farsi talk.
- SPAIN** RNE Radio 5, various. 2035 11/12. Music, man in Spanish, ID.
- 567 **SAUDI ARABIA** SBC Al-Quran al-Karim, various. 2105 11/12. Chants //999 *** NEW LOG ***.
- 576 **BULGARIA** BNR Horizont, Vidin. 2300 11/12. News in Bulgarian, music, ID (mix w/Spain)
- SPAIN** Radio Nacional de Espana, various. 2100 11/12. News by woman in Spanish, ID.
- 585 **SAUDI ARABIA** SBC Radio Riyadh/Isha'at ul-Nedaa al-Islam. 2110 11/12. Chants (mixing with Spain) *** NEW LOG ***.
- 603 **SPAIN** Radio RNE 5, various. 2030 11/12. Man in Spanish.
- 612 **MOROCCO** SNRT Al Idaa Al-Watania Meknes, Sebaa-Aioun. 2320 11/12. Arabic talk and music.
- 621 **CANARY ISLANDS/SPAIN** RNE Radio Nacional, various. 2115 11/12. Spanish commentary, ID.
- 684 **SPAIN** Radio Nacional de Espana, Sevilla. 2115 11/12. Man in Spanish, ID (Strong signal).
- 693 **UNITED KINGDOM** BBC Radio 5, various. 2150 11/12. Talk about Australia, ID.
- 747 **SPAIN/CANARY ISLANDS** Radio Nacional 5, various. 2030 11/12. Commentary by woman in Spanish.
- 774 **EGYPT** ERTU Al-Sharq al-Awsat, Abis. 2100 11/12. Arabic talk and music.
- 783 **SYRIA** SRTV 1 Dimashk, Tartus. 2015 11/12. Arabic talk and music, mention of Syria.
- 792 **SPAIN** SER Sevilla, various. 2100 11/12. News in Spanish, ID.
- 801 **SPAIN** RNE Radio Nacional, various. 2055 11/12. Spanish talk, ID (heard in SSB mode due to local VOWR).
- 810 **MACEDONIA** Makedonsko Radio 1, Ovce Pole. 0115 11/13. Macedonian talk and folk music, ID.
- SCOTLAND** BBC Radio Scotland. 2055 11/12. Discussion between two men, ID.
- 819 **EGYPT** ERTU Al-Barnameg al-Aam, Batrah. 2030 11/12. Quranic chants, Arabic talk, music.
- 828 **AZORES** Antena 1, Acores. 2030 11/12. Portuguese talk.
- 855 **SPAIN** RNE 5 Radio Nacional, various. 2050 11/12. Two men in Spanish, ID.
- 864 **EGYPT** ERTU Al-Quran al-Karim, Santah. 2305 11/12. Quranic chants, Arabic talk.
- 882 **SAUDI ARABIA** SBC, Al Quran al-Karim. 2025 11/12. Chants (heard under BBC Radio Wales) *** NEW ***.
- UNITED KINGDOM** BBC Radio Wales. 2025 11/12. Talk about automobiles, mention UK.
- 900 **ITALY** RAI Radio 1 Lombardia, Milan-Siziano. 0050 11/13. Italian talk by man.
- 909 **ROMANIA** Romania Actualitati, various. 2300 11/12. News by man in Romanian (under BBC Radio 5).
- UNITED KINGDOM** BBC Radio 5, various. 2045 11/12. Talk, ID mention of UK (mixing with Romania).
- 954 **CZECH REPUBLIC** CRo Dvojka, Dobrochov. 2300 11/12. Carly Jespersen song, orchestral music hymn, ID, Czech talk (mix w/Spain).
- SPAIN** Onda Cero Radio, Madrid. 2015 11/12. Man and woman in Spanish conversation, ID.
- 963 **CYPRUS** CyBC-RIK Proto. 2125 11/12. Greek talk, songs by Kansas and Deep Purple (weak signal under Tunisia) *** NEW LOG ***.
- TUNISIA** RTT Radio Tunis Chaîne Int. Tunis Djedeida. 0155 11/13. Music, French talk.
- 981 **ALGERIA** Chaîne 2, Ouled Fayet. 2050 11/12. Teletalk in Tamazight language.
- 990 **SPAIN** SER Radio, various. 2125 11/12. Spanish commentary by woman (Signal under CBY Newfoundland).

- 999 **MOLDOVA** TransWorld Radio, Grigoriopol-Maiac. 2005 11/12. Russian language program, music (mixing w/Spain).
SAUDI ARABIA SBC Al-Quran al-Karim, Duba. 0005 11/13. Quranic chants (mixing with Spain).
SPAIN COPE Radio, Madrid. 2015 11/12. Spanish ads and promos, ID (Very strong signal).
1008 **NETHERLANDS** GrootNieuws Radio, Zeewolde. 2325 11/12. Dutch religious talk, gospel songs, ID.
SPAIN SER Radio, various. 2005 11/12. Spanish talk, cuckoo sound effect, ID.
1026 **IRAN** IRIB Radio Tabriz, Azarshahr. 2020 11/12. Farsi talk by man, chants (Signal mixing with Spain).
SPAIN SER Radio, various. 2025 11/12. Spanish talk.
1044 **SPAIN** SER Radio, San Sebastian. 2020 11/12. Spanish talk by woman, ID, promos (Strong signal).
1053 **ROMANIA** Radio Iasi, Iasi. 2020 11/12. Man in Romanian (mixing with Talksport UK)
UNITED KINGDOM Talksport Radio, various. 2010 11/12. Premiere League talk, ID //1089.
1062 **ITALY** RAI Radio 1, various. 2020 11/12. Italian talk by man, ID.
1080 **SPAIN** SER Radio, various. 2020 11/12. Spanish talk by two men //1044.
1089 **UNITED KINGDOM** Talksport Radio, various. 2015 11/12. Ads, promos, ID.
1098 **SLOVAKIA** SRo 3 Rádio Devín, various. 2050 11/12. Song vocals (matched online audio) under Spain.
1107 **UNITED KINGDOM** Talksport Radio, various. 2145 11/12. Sports talk, ID (mixing with Spain).
1125 **BELGIUM** RTBF Viva Cite', Houdeng. 2140 11/12. French talk by woman, songs, ID (Signal mixing with Spain).
1152 **SPAIN** RNE 5 Radio Nacional, various. 0005 11/13. News in Spanish, ID.
1161 **ALGERIA** Radio Tamanrasset, In Salah. 2145 11/12. Music, Arabic talk, ID.
1170 **SLOVENIA** Radio Capodistria, Beli Kriz. 2310 11/12. Italian talk, ID, music.
UNITED ARAB EMIRATES Sawt Al-Joumhouria, Voice of the Republic, Al-Dhabbaya. 2010 11/12. Music, Arabic talk, ID.
1179 **ROMANIA** Romania Actualitati, Bacau-Galbeni. 2010 11/12. Man in Romanian, ID (mixing w/SER Spain/Canaries).
1215 **UNITED KINGDOM** Absolute Radio, various. 2140 11/12. Pop songs, ID.
1224 **SPAIN** COPE Radio, various. 0210 11/13. Man in Spanish commentary.
1233 **CZECH REPUBLIC** Radio Dechovka, various. 2010 11/12. Various brass instrument song vocals, ID.
1314 **SPAIN** Radio Nacional 5, various. 2050 11/12. Woman in Spanish commentary, ID.
1341 **NORTHERN IRELAND** BBC Radio Ulster, Lisnagarvey. 2345 11/12. Talk, music, ID.
1413 **SPAIN** Radio Nacional de Espana 5, various. 2055 11/12. Man in Spanish commentary, ID.
1422 **ALGERIA** Radio Coran, Ouled Fayet. 0125 11/13. Quranic chants, Arabic talk.
1431 **DIBOUTI** Radio Sawa, Arta. 2145 11/12. Arabic talk, ID, music.
1467 **FRANCE** TransWorld Radio Europe, Romoules. 2140 11/12. Arabic, then French announcement and sign off at 2145.
1521 **SAUDI ARABIA** SBC Radio Riyadh, Duba. 2045 11/12. Arabic talk, music.
1550 **ALGERIA/WESTERN SAHARA** Saharawi Arab Dem.Rep.Nat. Radio, Rabuni. 2145 11/12. Music, Arabic talk.

Receiver: Yaesu FRG – 100 w/600 foot/183 metre 14 gauge insulated random copper wire to South East @ 135 Degrees.



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

Deadlines: 12/10, 12/17, 12/24, 12/31, 1/7, 1/14, 1/21, 1/28 and 2/4

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

This DX season has given me some very pleasant surprises so far. WSML 1200 Graham NC was noted 10/6 at 0547 ELT with a spot mentioning North Carolina; this one was apparently on day power. I noted a fair signal on this one with WOAI nulled. The first new graveyard log of the season was WHBU 1240 Anderson IN with a mention of the station's calls in an ad for the sales department on 10/15 at 0609 ELT, poking thru WENK and other stations on this crowded frequency. I was surprised to pull in KVEL 920 Vernal UT 10/17 at 0305 ELT with SRN News, a "News/Talk KVEL" ID, weather forecast into George Noory at 0306. Checking the coverage maps on Radio Locator, both the day and night patterns have lobes to the east/southeast. I would suspect this was on day power. In the wee hours of 10/23, I noted local KYFI off the air. This allowed me to pull in my 70th Kentucky AM when WLAP-630 Lexington made it through at 0405 ELT with local ad, ID into George Noory; that signal mixed with CFCE and WBMQ (on day power). CKAT 600 North Bay ON was noted on that same day at 0457 ELT with Country music and a message of North Bay; regular WSJS was nulled. Another surprise in October was KBXD 1480 Dallas TX at 0455 ELT 10/25 with Christian teaching in Spanish and calls in English. WRZN 720 Hernando FL was noted at 0425 ELT 10/29 with the "Walk With The Word" broadcast and a promo. I was able to confirm this by checking the schedule on the Web. WGN was nulled to get this one. WHMT 740 Tullahoma TN was caught on day power at 0332 ELT 11/1 with call letters and Country music, nulling out dominant CFZM. The first pleasant surprise of November was CKNX 920 Wingham ON, noted at 0505 ELT 11/1 with Country music, call letters and a mention of their Web address, mixing with KARN, KDHL and KYST. CFRA 580 Ottawa ON was another surprising log. I noted this 11/13 at 0406 ELT with a "News/Talk 580 CFRA" ID, a local ad, station promo and talk on movies over regulars WIBW and XEMU. KUTH 820 Taylorsville UT was caught on day power 11/15 at 0258 ELT with station promos, mention of "The Truth Network", a legal ID mentioning Salt Lake City into SRN News at 0300; my fifth Utah AM was noted with WBAP nulled. My second new graveyard of the season was noted 11/15 at 0528 ELT when KWXT 1490 Dardanelle AR poked thru KDRS and KFTK with call letters and Southern Gospel music; KWXT is the 60th AM noted from Arkansas. WAIS 770 Buchtel OH was noted on that same morning at 0650 ELT with Country format and a "Real Country" mention in WVNN's null. The signal was lost when local WEW signed on at 0700 with pop music in Bosnian. I was pleasantly surprised when I noted CJSL 1150 Estevan SK at 0338 ELT 11/19 with "1150 CJSL, a Golden West station" and a Country format, mixing with KSAL. WSNL 600 Flint MI poked thru at 0500 ELT with legal ID through WREC and WSJS. Two surprises made it through on 11/27. WJER 1450 Dover-New Philadelphia OH poked thru WMCH and other stations with the call letters mentioned twice in a promo at 0425 ELT. This completes the Buckeye State on 1450 at my location. CKAC 730 Montreal QC made it through KKDA and XEX at 0445 ELT with talk mentioning Montreal in French. I haven't noticed this since 1982. Some local changes noted: KMOX 1120 has officially dropped digital service; the "HD" is no longer mentioned after KMOX in the legal ID. WGNU 920 has officially changed its city of license from Granite City IL to St Louis MO; the transmitter site is still in Pontoon Beach IL at Interstate 270 and Illinois 255. I also went on my first DXpedition on 11/24, spending an afternoon DXing from Babler State Park in Wildwood MO. The first thing I noticed was that the splash from the St Louis AM stations was minimized, especially from the last digital AM in St Louis, KFUO 850. I'm now planning my next DXpedition. 73 and good DX from the Florissant Valley Dial Twister.

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

Greetings. All times and dates strictly UT. Rx: 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.

540, Nov 27 at 2130, skywave hasn't reached the low end yet, so on caradio at a quiet parking lot in western Enid, I count the fades between our two weak groundwave stations, KDFT Ferris [The Metroplex] TX, and KWMF Fort Dodge IA, and find them 1.47 Hz apart, or 88/minute.

570, Nov 27 at 2131, I do the same for 570, KLIF Dallas and WNAX Yankton SD: 3.33 Hz, or 200/minute.

640, Nov 27 at 2132, I am bandscanning on caradio at a quiet parking lot in western Enid, finding dead air again from KWPN, but turning up the volume, somestation is audible under – it must be WOI, public radio in Ames IA. I hasten to A/B with 91.7 KOSU to make it // during NPR ATC, but "ESPN 1390" blasts back on in less than a minute. Anyhow it would not be in // as WOI is amid BBC News Hour, no ATC there until 2200. TROTS: if OU had not stupidly sold off its legacy AM station, WNAD 640, today Oklahoma would have public radio on AM (and a lot better reception in the hinterlands than its low-power FM successor KGOU and satellites can muster)

710, Nov 28 a 2038, counting the SAH fades between KGNC Amarillo and KCMO Kansas City both on groundwave: 156/minute = 2.6 Hz. Again on caradio at a parking lot in western Enid.

1090, Nov 28 at 2040, SAH here of 5 Hz, talk station vs music station. One is certainly KEXS Excelsior Springs MO, 10 kW, which barely makes it here by groundwave; the other could be KAAY Little Rock, starting skywave as it's really too far for groundwave. No other 1090s likely (a couple in further reaches of TX).

1130, Nov 28 at 2101, 'The Tiger' ID after weak sportstalk, which I knew had to be KWKH Shreveport, as nearer KLEY Wellington KS is off the air again – better than pulsing and breaking up as it did earlier this year, but seemed to have recovered.

1270, Nov 27 at 2138, Spanish game report involving a pelota and a dominicano, so beisbol. Groundwave would render KR XO Claremore OK sports in English, so skywave from The Metroplex is already propagating 50 kW KFLC Benbrook TX atop any KR XO.

1540.00, Dec 1 at 0501, continuous TexMex music is dominant, even on E-W longwire, finally 0510 in English, "We've got you covered, KGBC, 15-40 AM". And there is no het! Not off-frequency+plus tonight. No assumption that KGBC is permanently fixed, as it's jumped back and forth before.

All three TX 1540s are now Latino, as both KGBC and KEDA Jalapeño San Antonio are 'Tejano' format per NRC AM Log, and KZMP Metroplex [qv] is ESPN-D. (The next morning I discover that my 100-ft longwire had been broken in the middle by a tree limb fall near the far end, now patched back together).

1540.00, Dec 1 at 1354, woman in Spanish about financial advice but also proffering bendiciones, conversation with man, soon closing "Puntos de – algo—" show with Dallas mention and 214 AC phone, so it's KZMP University Park, breaking away from ESPN-Deportes format. Now on 32 kW day power legally since 1330 but day pattern is tight E-W, so we should not be getting much of it here (and night pattern is tight east-only).

UnID. Trans-Atlantic JBA MW carrier search, a good time to check as coastal (east and west) DXers are reporting plenty, Nov 28 at 0240-0248: 531* with bit of audio Algerian, 585, 612(2), 621, 693*, 729, 738, 747, 774*(2), 855, 864, 882*, 909, 936, 999, 1044, 1053, 1089(2), 1125, 1161, 1179, 1215, 1341. *=stronger ones; (2)=at least two carriers beating.

Trans-Pacific JBA MW carrier search, Nov 29 at 1256-1302, all roughly NW u.o.s: 594, 693, 747, 774, 828, 837, 882(2), 972, 1098-W?, 1134, 1143.

Until the next, best of DX and 73 de Glenn



ULTRALIGHT/FSL NEWS – Phil Bytheway – 9705 Mary NW – Seattle WA 98117-2334
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12/2. After two major ocean coast DXpeditions with the 5 inch "Frequent Flyer" FSL antenna to the Cook Islands and Hawaii this year, I thought I would share with you all some pretty astonishing antenna performance results.

As the original FSL antenna experimenters (Steve, Kevin and I) all discovered, you can significantly improve the performance of the FSL antenna by elevating it above ground level. This fact was the inspiration for the Rockwork Cliff PVC bases used for the Monster FSL's, which have always had excellent performance in chasing DU-DX every summer. But how can you adapt this concept to boost the performance of the "Frequent Flyer" FSL antennas, especially on isolated ocean beaches around the world? Obviously, some type of breakdown PVC base would be required – one with parts that can be completely packed away in checked luggage.

For the December 2017 visit to Kona, Hawaii, there was no PVC base taken along with the 5 inch "Frequent Flyer" FSL antenna. A lot of DX stations in Japan, Korea and China were received, but these are all common TP countries that can easily be received on the west coast of North America. Long range DX results in Hawaii should have been better.

For the April 2018 DXpedition to the Cook Islands, a medium-sized 2.5 foot PVC base was used for the first time with the 5 inch "Frequent Flyer" FSL antenna (photo attached). There was a very dramatic increase in long range DXing results – India, Bangladesh, Mongolia and Cambodia were all received at over 7,000 miles, along with Brazil in South America.

For last month's DXpedition to Kauai, Hawaii, a full-sized 4 foot PVC base was used for the first time (photo attached). The 5 inch "Frequent Flyer" FSL practically exploded with long range DX – Oman, Iran, India, Myanmar, Cambodia, 4 stations in Vietnam, 800-PJB in the Caribbean, etc. This was the same Hawaii environment and antenna that were used a year ago – the only difference was the 4' PVC antenna base. These PVC bases are very cheap, and easy to construct. They use plug-in PVC legs (with 1.5 foot extender sections on the 4foot model), and can be built for around \$25. For "Frequent Flyer" DXers who are looking to dramatically boost their DXing results, these bases are phenomenal performers. For Craig Barnes and other DXers who really enjoy this type of thrilling Ultralight DXpedition, I would be happy to construct these PVC bases, and mail them out. If there is sufficient interest in the Ultralight group for a full construction article on these PVC antenna bases, ask – and ye shall receive!

Gary DeBock (in Puyallup WA, USA)



Cook Island DXpedition
April 2018
2.5 Foot PVC Base



GEOMAGNETIC INDICES – Compiled by: Phil Bytheway
E-mail: DXM.EiC@gmail.com

Geomagnetic Summary November 1 2018 through November 30 2018

Tabulated from WWV on-line status daily (K @ 0000 UTC).

Date	Flux	A	K	Space Wx										
11/ 1	67	5	1	no storms	11/11	69	7	2	no storms	11/21	69	5	1	no storms
2	68	4	0	no storms	12	68	9	2	no storms	22	69	3	0	no storms
3	67	4	1	no storms	13	67	4	0	no storms	23	69	3	1	no storms
4	67	16	5	minor, G1	14	68	2	0	no storms	24	70	7	1	no storms
5	68	35	3	moderate, G2	15	68	2	0	no storms	25	70	3	1	no storms
6	69	10	3	no storms	16	71	2	0	no storms	26	69	2	1	no storms
7	69	10	3	no storms	17	73	1	0	no storms	27	68	5	2	no storms
8	70	10	1	no storms	18	72	3	1	no storms	28	68	3	1	no storms
9	69	10	4	no storms	19	71	4	1	no storms	29	68	3	1	no storms
11/10	69	13	4	no storms	11/20	71	6	1	no storms	11/30	68	2	0	no storms

Gx – Geomagnetic Storm Level

Rx – Radio Blackouts Level

Sx – Solar Radiation Storm Level

College Bowl Game Lineup (times in ELT)

Date	Time/TV	Bowl Name/Location	Teams
December 15	2:00 pm/ESPN 2:30 pm/CBSN 3:30 pm/ABC 3:30 pm/ESPN 9:00 pm/ESPN	New Mexico /Albuquerque NM Cure /Orlando FL Las Vegas /Las Vegas NV Camellia /Montgomery AL New Orleans /New Orleans LA	North Texas vs Utah State Tulane vs Louisiana Arizona State vs Fresno State Eastern Michigan vs Georgia Southern Appalachian State vs MTSU
December 18	7:00 pm/ESPN	Boca Raton /Boca Raton FL	UAB vs Northern Illinois
December 19	8:00 pm/ESPN	Frisco /Frisco TX	Ohio vs San Diego State
December 20	8:00 pm/ESPN	Gasparilla /Tampa FL	Marshall vs Southern Florida
December 21	12:30 pm/ESPN 4:00 pm/ESPN	Bahamas /Nassau Bahamas Idaho Potato /Boise ID	Toledo vs FIU BYU vs Western Michigan
December 22	10:30 pm/ESPN Noon/ESPN 3:30 pm/ESPN 7:00 pm/ESPN	Hawaii /Honolulu HI Birmingham /Birmingham AL Armed Forces /Fort Worth TX Dollar General /Mobile AL	Hawaii vs Louisiana Tech Memphis vs Wake Forest Army vs Houston Buffalo vs Troy
December 26	1:30 pm/ESPN 5:15 pm/ESPN 9:00 pm/ESPN	First Responder /Dallas TX Quick Lane /Detroit MI Cheez-It /Phoenix AZ	Boston College vs Boise State Minnesota vs Georgia Tech TCU vs Cal
December 27	1:30 pm/ESPN 5:15 pm/ESPN 9:00 pm/ESPN	Independence /Shreveport LA Pinstripe /New York NY Texas /Houston TX	Temple vs Duke Wisconsin vs Miami Baylor vs Vanderbilt
December 28	1:30 pm/ESPN 5:15 pm/ESPN 9:00 pm/ESPN	Music City /Nashville TN Camping World /Orlando FL Alamo /San Antonio TX	Auburn vs Purdue West Virginia vs Syracuse Iowa State vs Washington State
December 29	Noon/ESPN 12:30 pm/ABC 1:15 pm/CBSN 4:00 pm/ESPN 8:00 pm/ESPN	Peach /Atlanta GA/At-large vs At-large Belk /Charlotte NC Arizona /Tucson AZ Semifinal 2 /Cotton Bowl/Arlington TX Semifinal 1 /Orange Bowl/Miami FL	Florida vs Michigan South Carolina vs Virginia Nevada vs Arkansas State (2) Clemson vs (3) Notre Dame (1) Alabama vs (4) Oklahoma
December 31	Noon/ESPN 2:00 pm/CBS 3:00 pm/FOX 3:45 pm/ESPN 7:00 pm/FS1 7:30 pm/ESPN	Military /Annapolis MD Sun /El Paso TX Redbox /Santa Clara CA Liberty /Memphis TN Holiday /San Diego CA Taxslayer /Jacksonville FL	Cincinnati vs Virginia Tech Pitt vs Stanford Michigan State vs Oregon Missouri vs Oklahoma State Northwestern vs Utah Texas A&M vs North Carolina State
January 1	Noon/ESPN2 1:00 pm/ABC 1:00 pm/ESPN 5:00 pm/ESPN 8:45 pm/ESPN	Outback /Tampa FL Citrus /Orlando FL Fiesta /Glendale AZ/At-large vs At-large Rose /Pasadena CA/Big Ten vs Pac-12 Sugar /New Orleans LA/SEC vs Big 12	Mississippi State vs Iowa Kentucky vs Penn State LSU vs UCF Ohio State vs Washington Georgia vs Texas
January 7	8:00 pm/ESPN	National Championship /Santa Clara CA	Semifinal winners

IRCA Slogans List (October 2018)

This completely revised Slogans List includes radio slogans from the US and Canada (over 4500). The 2018 IRCA Slogans List is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/IRCA%20Slogans-Introduction.pdf

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

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

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.

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 joining fee)
Worldwide \$0 (subsequent years – ie renewal)

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. 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 e-mail service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

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