



DX MONITOR

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International Radio Club of America

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Seattle deadline for our next issue (V57_N08) is **Monday 10/21/19** 1600 (we are weekly now)

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IRCA PRESIDENT – Bruce Portzer – 6546 19th Ave NE – Seattle WA 98117
Email: portzerbt@gmail.com

2020 Convention

We're still looking for a city to host our 2020 convention. Let me know if you're interested and I'll help you work out the details. The deadline for bids is normally October 15, but that date can be extended until a viable bid is submitted.



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

DATE OF COLUMN: October 19 2019 **Column data span:** October 05-19 2019, Data courtesy of **Stationintel.com**, FCC database and member contributions.

CALL CHANGE

FREQ	OLD CALL	CITY OF LICENSE	NEW CALLS
790	WSVG	Mount Jackson, VA	WAMM

FORMAT, SLOGAN AND SILENT STATUS CHANGES

FREQ	CALL	CITY OF LICENSE	NEW INFORMATION
790	WBLO	Thomasville, NC	old slogan: "Latina Tu Musica 102.3", new: "Latina 106.9"
970	WNNR	Jacksonville, FL	old slogan: "Latina 970", new: "Latina 92.1"
1030	WNOW	Mint Hill, NC	was silent, back on with new unknown format
1230	WKWL	Floral, AL	was southern gospel, now oldies
	WNAW	North Adams, MA	adds slogan: "1230 WNAW"
1280	WALI	Dayton, TN	was country, now soft adult contemporary, old slogan: "River Country 97.1", new: "Alive 97.1"
1450	WROX	Clarksdale, MS	was silent, now oldies
1550	KMAD	Madill, OK	was silent, back on with new unknown format

NOTE: Updated were only posted 10/5 and 10/12 on the stationintel website, none after that up to 10/19/19 – ye ed

MEMBER CONTRIBUTIONS

Mike Sanburn of Bellflower CA sends along the following from **Dennis Gibson** of Salinas CA via the IRCA IO Group dated 10/7/19:

Subject: [irca] License cancelled, 10-4-19: KDLA-1010 De Ridder, Louisiana

And the following dated 10/12/19:

Subject: [irca] License cancelled, 10-10-19: WVMC-1360 Mount Carmel, Illinois.

Art Peterson sends along the following dated 10/9/19:

Please clarify the following listing in a recent BCI column:

1230 KZTQ Reno NV was classic hip hop, now sports, old slogan: "Power 92.5 and 1230", new: "The Game 92.5 and 1270"

Something does not compute since the 1230 Reno station had the hip-hop format, and 1270 had the KKZZ call letters. Was there BOTH a format change AND a frequency swap? I'm having trouble reconciling the situation, so I could use a little help. Thanks. (Good question, Art. I went to KZTQ's website, and they are actually simulcasting "Bob 96.1 FM" right now. Calls for 1270 are actually KBZZ (The Buzz), vice KKZZ, but they are still shown as talk. This is what stationintel.com reported, so I basically report what they report. It doesn't appear they are simulcasting each other at this time. Perhaps someone in the Reno area could clarify this? – ye ed)

Mike also sends along the following from **Joe Miller** of Desert Hot Springs CA via the IRCA IO Group dated 10/13/19:

KROP 1300 Brawley CA, listening from 0440 to 0505 PM PDT, with a local ad, ID "KGBA-FM 100.1 and KROP-AM 1300" Leading up to the TOH was the Countdown Magazine with William Ryan III, and following was news. I had read on Wikipedia that when the earlier owners shut down the station almost two years ago, they then donated it the Voice of International Christian Evangelism, Inc. who operates KGBA AM & FM as well as KROP in Imperial County CA.

Phil Bytheway of Seattle WA sends along the following from **Richard Evans** and **Bill Lipis** dated 10/19/19:

<https://madisonrecord.com/stories/514819344-judge-denies-stay-in-fcc-license-revocation-proceedings-involving-grim-reaper-of-radio> (latest on Saint Louis stations)

Short column, stationintel.com is having some issues with updates on their website, they last updated 10/12/19. I'll send updated information as they post it. I called them and they are aware of it, it's an internal 'bug' on their system and are still working it. Cool here now, 60's days, 40's night so definitely into fall, 2 weeks until Halloween. The leaves are starting to change to reds, golds and purples out here in Maryland, looks very nice! Hope the cool weather brings cool DX! 73's.

Bob Wien



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

WDXR DEADLINES: Oct. 11, Oct. 18, Oct. 25, Nov. 1, Nov. 8, Nov. 15, Nov. 22, Nov. 29, Dec. 6, Dec. 13, Dec. 20. Please use Eastern Local Time.

REPORTERS FOR THIS ISSUE:

(RB) **Rick Barton**-9444 W. Newport-Sun City AZ 85351 desertmoon_dxshack@inbox.com
(RB-AZ1) DXing at Dead Horse State Park AZ
Sangan AT-909X, RS SW-2000629, HQ-140-X, with Panasonic and Terk AM Advantage indoor loops

- (JCJ) **John Johnson**-2922 S Olivewood, Mesa AZ 85212 **John_Johnson@prodigy.net**
SDRplay RSPduo, Wellbrook ALA1530LNP
- (GK) **Glen Kippel**-Yucca Valley CA **gkippel@hotmail.com**
ICOM R-75, large unbalanced shielded loop & Terk AM Advantage loop
- (JP) **Jon Pearkins**-Edmonton AB **jon@pearkins.com**
Sangean PR-D15 and HDR-16, both on batteries with internal antennas
- (MS) **Mike Sanburn**-PO Box 1256-Bellflower CA 90707-1256 **mikesanburn@hotmail.com**
Sangean DT 160

- 600 WMT **IA**, Cedar Rapids 10/18 0200 I had been monitoring much of the night trying to identify an oldies station here, when suddenly a male announcer "WMT Cedar Rapids" just before intro music to Fox News Radio. New log, using SW2000629 barefoot on the nightstand. My lists show WMT as talk, but do they play rock oldies at night? Otherwise, I am still trying to figure out who the oldies station was. (RB-AZ)
- KGEZ **MT**, Kalispell 10/11 2300-2313 mostly over CJWW in CJWW null, high school football play-by-play of Kalispell's Flathead Braves vs Butte's Bulldogs. Announcer also "live read" ads but no ID or mention of Kalispell. (JP-AB)
- 710 KBMB **AZ**, Black Canyon City bombing in (pardon the pun) 10/16 0747 until 0800 when KSPN went to day power. Mariachi and ranchera music, lots of "Ranchero" and "siete y diez ah-emme" slogans and an occasional "Jose." The latter format may be what stations formerly carrying ESPN Deportes went to as I've heard it elsewhere. Legal TOH ID was barely audible under KSPN. (GK-CA)
- 740 KTRH **TX**, Houston 10/14 0734 callsign ID under KCBS. (GK-CA)
- 870 WWL **LA**, New Orleans 10/15 0536 weather report, callsign ID and sports commentary. (GK-CA)
- KLSG **NV**, Whitney 10/11 2046-2100 Spanish talk, callsign ID in English at TOH. (GK-CA)
- 940 KGMS **AZ**, Tucson 10/17 2223 in call-in telephone talk show. (GK-CA)
- XEMMM **BCN**, Mexicali 10/13 2009-2015 with a variety of oldies "Down on the Corner" by Creedence Clearwater Revival, "Jambalaya" by Hank Williams, etc. (GK-CA)
- 950 KAHI **CA**, Auburn 10/17 alone on 950 with good signal. 0900 with "Sinatra Friends Weekend" promo "...on Kay-High The Voice of the Foothills 104.5 FM and 950 Kay-High" plus "FM 104.5 K283CM Auburn and AM 950 KAHI Auburn" legal ID into "Kay-High Morning" news program. First time heard. (JCJ-AZ)
- 1000 KKIM **NM**, Albuquerque 10/12 2000 religious lecture by man over UnID. Solid, strong, steady - nobody else, on ATS 909x barefoot. (RB-AZ1)
- 1010 CBR **AB**, Calgary 10/17 mixing with KSIR. No sign of local KXXT 0100 with CBC News. Not new, but rare here. (JCJ-AZ)
- 1040 WHO **IA**, Des Moines 10/13 2158 local spots to ID by man, then fade down at 2100. Didn't matter, already heard the call. At 2102 full legal ID by man "Newstalk 10-40, WHO Des Moines." (RB-AZ1)
- 1060 WLNO **LA**, New Orleans 10/16 0655-0711 Black Gospel music, confirmed on their web stream. Apparently live announcer, at least in the morning; "Gospel 10-60" slogan. This is now my farthest-heard US station at 1571 miles. (GK-CA)
- 1080 KGVY **AZ**, Green Valley 10/15 0907 weather for southern Arizona, spot mentions Green Valley. (GK-CA)
- 1130 KMOX **MO**, St. Louis 10/13 0500 ID "Home of the Cardinals" after break from When Radio Was. Heard on ATS-909x with KANN nulled. (RB-AZ1)
- 1160 KSL **UT**, Salt Lake City 10/14 0050-0055 with first stereo on HD that I could actually hear, a religious program featuring the Mormon Tabernacle Choir. KSL is the only HD I can hear here, on AM or FM. (JP-AB)
- 1200 KPSF **CA**, Cathedral City 10/13 0930 rx lecture, Pure Radio references. (RB-AZ1)
- 1300 KGLO **IA**, Mason City 10/13 0635-0640 ID with call letters just before going back to Coast to Coast while nulling C&W from KLER, KGLO was weak and a bit fluttery at time, but mostly clear. Trace of English talk under KGLO at time, perhaps KCSF or even KAKC. (JP-AB)
- 1320 KOFA **AZ**, Yuma 10/14 0030 over/under presumed KIFM, with jazz saxophone music program. (RB-AZ1)
- KOLT **NE**, Scottsbluff 10/17 good signal 0100 with ID. Not needed, but unusual to hear them. (JCJ-AZ)
- 1350 KTIK **ID**, Nampa 10/16 2315-2322 CBS Sports into ads with K&W (KRLC?) fading up at 2320 but KTIK back at 2322 with "The Ticket" and 93.1 (FM translator) IDs. 600 watts with null in my direction. (JP-AB)
- 1460 KKAQ **MN**, Thief River Falls 10/16 2360 dominant with C&W into call letter ID, just has to be on 2500 watt day power. (JP-AB)
- 1480 KHQN **UT**, Spanish Fork 10/18 0900 ID on the hour, Indian music with drums & flutes, male female vocals, many mentions of "Krishna." Until 0915 nobody else on the channel. Strong, steady and clear. (RB-AZ)
- 1580 KQFN **AZ**, Tempe 10/14 1020 in tight KBLA null with ID "...on your home for the Superbowl 94.3 and 1580 (The Fan?)". (MS-CA)

UnIDs

- 1360 UnID 10/16 2328-2330 talk only faded up strong enough once to know it was sports but could be part of a news/talk format like KSCJ. Tough to null KKMO's huge signal, let alone KRKK's distinctive light oldies format. (JP-AB)
- 1390 UnID 10/17 235800005 Mexican music mostly on top with no discernible legal ID, and KZGD and KLOC both possibilities, plus sports sometimes on top which could be a combination of KBBO and KLGW, since both run Fox Sports Radio at night. (JP-AB)

Thank you for the WDXR reports this week! - Nancy 10/18 1800



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

RIDING GAIN

- [EB-MO] **Eric Bueneman**, Hazelwood MO **N0UIHEric@gmail.com**
CountyComm GP-5/SSB Gen 3 Ultralight receiver, Grundig AN-200 tunable loop, National NC-60 Special, Apex 303WA-2 AM/SW/LW vertical antenna
- [GH-IL] **Greg Harris**, Illinois **wdx9khy@sbcglobal.net**
FRG-100, Quantum Loop

DOWN THE DIAL

- 550 WKRC **OH**, Cincinnati. 10/14 fair to poor signal, mixing with KTSA in tight KTRS null. 0231 poked through with "KRC" mention. AM station 1,800 from my present location. [EB-MO]
- 680 CFTR **ON**, Toronto. 10/14 fair signal over other stations. 0335 noted with a story on upcoming Canadian elections, "Six-80 news time 3:36" time check into international stories. [EB-MO]
- 690 CKGM **QC**, Montreal. 10/16 fair to poor signal in KSTL null. 0509 with talk on the baseball post-season, ESPN promo and Montreal area spots. [EB-MO]
- 750 CKJH **SK**, Melfort. 10/14 fair to poor signal, mixing with WSB; ACI from WJR 760. 0311 noted with Oldies format, "CK Seven-50" ID. [EB-MO]
- 970 WWRK **SC**, Florence. 10/15 fair to poor signal over WGTK, WMAY. 0518 noted on day power with Classic Rock format, "The Rock FM" ID. [EB-MO]
- 1020 KMMQ **NE**, Plattsburgh. 10/14 fair to poor signal in KDKA null. 0357 noted on day power with Regional Mexican format, "La Raza, La Nueva" ID in Spanish. [EB-MO]
- 1070 WAPI **AL**, Birmingham. 10/17 fair signal over CHOK, WDIA, WFNI. 0137 noted with *Red Eye Radio*, national and local spots. [EB-MO]
- WTSO **WI**, Madison. 10/14 fair signal over CHOK, KHMO, WFNI. 0321 noted with local spots, "The big Ten-70" ID in promo, Fox Sports Radio promo into sports talk. [EB-MO]
- 1110 WJML **MI**, Petoskey. 10/17 briefly strong then gone, no trace of KFAB. 0212 with multi-station IDs into WJML News. New. [GH-IL]
- 1170 WDEK **SC**, Lexington. 10/15 fair to poor signal over KFAQ. 0525 noted on overnight with Classic Hits format, local spot, "Keep tuned to The Deck for classic hits" slogan. [EB-MO]
- 1250 KYYS **KS**, Kansas City. 10/16 fair signal over KCFI, WSSP. 2140 noted with local spots, including one mentioning a number in Area Code 660 in Spanish into Regional Mexican format. [EB-MO]
- 1500 WLQV **MI**, Detroit. 10/14 fair to poor signal in KSTP null. 0459 noted with "15-hundred AM and 92-point-Seven FM, we're Faith Talk Radio" ID, local spot, "WLQV Detroit and W224CC, 15-hundred and 92-point-Seven, Faith Talk Radio" legal ID. [EB-MO]
- 1550 CBEF **ON**, Windsor. 10/16 fair to poor signal over WPFC and other stations. 0502 noted with Radio-Canada news, including a story mentioning Quebec, in French. [EB-MO]
- 1580 CKDO **ON**, Oshawa. 10/15 fair to poor signal, mixing with KHGG and WHLY. 0505 noted with Oldies format, "CKDO" jingle ID. [EB-MO]
- 1600 KGYM **IA**, Cedar Rapids. 10/13 fair to weak under WAAM (normally much stronger). 1900 with "KGYM Update" by male announcer. [GH-IL]

FLASHBACK

50 Years Ago – October 25 1969 issue of “DX Monitor” ... **Jon E Pearkins** Jr of Burnaby BC heard a strong signal from JOBB 830 ... **Reid Wheeler** of Aberdeen WA mentioned he finally got a card filing system finished ... **Lynn D Brooks** of Ponca City OK told of his visit to Denver, Colorado for a get-together at **Larry Godwin**’s house. He said they could keep “all that snow” ... **Shelby Remington** of Hamden CT got a new receiver and logged five new countries. // **25 Years Ago** – October 22 1994 issue of “DX Monitor” ... **Gary Larson** of Burbank CA called KLAC ... **RC Watts** of Louisville KY heard XEWA 540 give an ID in English ... **Mike Hardester** of Jacksonville NC thanked **Eric Bueneman** for helping ID his UnID 1560. It was WSEZ.

OPEN MIKE

Thanks go out to Eric and Greg for reporting this week. This column was typed 10-18-19. 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
Eiad FDM-S2 software-defined receiver, Pixel RF Pro-1B loop, MFJ-1020C as a tuner

ACROSS THE DIAL

- 550 WDUN **GA**, Gainesville – 10/6 2354 noted with *The Jim Bohannon Show*, national and local spots, including The Chop Block in Gainesville and one mentioning a phone number in Area Code 770, “WDUN Gainesville” legal ID at 2400 into Fox News Radio, followed by local news and weather forecast with call letters mentioned, “Jim Bohannon on Georgia’s News/Talk WDUN” ID at 0006 10/7. A fair to poor signal was noted, mostly on top, mixing with KTRS (hearing “The Big 550” ID) and WGR. This must be on day power. (PS-ON) (I lived on the Cherokee-Cobb county line in Georgia from 1988 to 1992... this was at local strength during the day and dominant on 550 at night. They had a full-service format then; I used to listen to this on my way into work when I was working in Alpharetta – eb)
- 640 WCRV **TN**, Collierville – 10/5 2131 noted with *Friends of Israel*, Bott Radio Network promos including one mentioning Memphis, promo for *Through the Bible* mentioning “640 AM, 100.7 FM” (W264CO Marion, AR – eb) into more Christian programming. A fair to poor signal was noted, mostly over CFMJ; must be on day power. (PS-ON) (This must have been on 50 kW day power – eb)
- 690 WJOX **AL**, Birmingham – 10/17 0030 noted with *The Jason Smith Show*, Fox Sports Radio promos, promo for the station’s Alexa app mentioning “Jox 94.5” at 0044, promo for the Alabama 200 car race, another “Jox 94.5” ID before returning to *The Jason Smith Show*. A very good to fair signal was noted over usual CKGM; running day power and pattern. First time noted in London. (PS-ON)
- KSTL **MO**, Saint Louis – 10/9 2254 noted with a church service from a Missionary Baptist church (their worship services are always lively – eb) featuring a fiery preacher, Urban Gospel music, clearly heard mention of a phone number in Area Code 618, a partial “Jubilee 690 KSTL” ID at 2300 into another Christian program. A poor to very poor signal was noted, mixing with CKGM and a possible WELD; confirmed via Tune-In Web stream. First time noted in London. (PS-ON) (KSTL sometimes mentions the location of their transmitter site, East Saint Louis IL, before the city of license, Saint Louis, MO – eb)
- 730 WJMT **WI**, Merrill – 10/6 0020 noted with Oldies format, including Jan and Dean’s “The Little Old Lady from Pasadena” at 0034. A very poor signal was noted, mixing with WZGV and other stations; confirmed via Simple Radio Web stream. (PS-ON)
- 740 WRPQ **WI**, Baraboo – 10/7 2233 noted with a Classic Hits format, featuring songs from Paula Abdul and Bananarama, “80s, ‘90s and More” slogan, “Max FM” slogan at 2237. A poor to very poor signal, quite audible at times before Big Band music was played during an Abbott and Costello show on CFZM. Confirmed via Tune-In Web stream. (PS-ON)
- 790 WPIC **PA**, Sharon – 10/13 2302 noted with national news, “News/Talk WPIC” ID at 2305 into a spot cluster. A fair to very poor signal was noted, mixing with WNIS; first time heard in London. (PS-ON)
- WBWR **TN**, Ashland City – 10/13 2315 noted with Country format, references to 103.9 FM (W280FN Ashland City – eb), possible “103.9 the...” and “Country” references, finally heard a “Cub Country 103.9” ID at 2351, missed legal ID at 2400. This station is known as “Cub Country” or “The Bear”. I was listening for “The Wolf” (WVWF 105.1 Waverly TN – eb), but this station is not parallel to the Tune-In Web stream, as indicated in the 2019 NRC AM Log. A fair at times to very poor signal was noted, mixing with CMBD (Radio Reloj), WNIS, WPIC and other stations. (PS-ON)
- 800 WHOS **AL**, Decatur – 10/9 2358 noted with national spots, “WHOS Decatur” legal ID with a mention of 102.1 (WDRM Decatur AL – eb) into Fox News Radio before fading out. A poor signal was noted briefly before being lost. (PS-ON) (WHOS was a daytime regular when I was living in Georgia, even with local WQXI on 790 – eb)
- 830 KGLA **LA**, Norco – 10/6 0050 noted with a Tropical music format, partial “...Tropical” slogan in Spanish by a male announcer in between selections. A good signal was noted at first, slowly growing worse to fading out at 0100, no legal ID was noted; the signal slowly improved after 0107. Confirmed via Tune-In Web stream; probably on day power. (PS-ON) (This call was transferred from 1540 in Gretna LA. When KGLA was on 1540, it was partly owned at one time by Joseph Costello, who owned shortwave broadcaster WRNO Worldwide in the 1980s – eb)
- 920 WKVA **PA**, Lewistown – 10/16 2300 noted with “WKVA Lewistown” legal ID into a possible newscast before fading out. A very poor signal was noted, mixing with CKNX; first time heard in London. (PS-ON)
- 970 WWRK **SC**, Florence – 10/10 0023 noted with a “105.9 the Rock” ID into a Classic Rock format. A poor to very poor signal was noted, mixing with other stations; first time heard in London. (PS-ON)
- 1070 WAPI **AL**, Birmingham – 10/17 0116 noted with *Red Eye Radio*, national spots, “Talk 99.5” ID in promos. A fair to very poor signal was noted, mixing with CHOK; first time heard in London. (PS-ON)
- 1110 WKQA **VA**, Norfolk – 10/4 0715 noted with a “Freedom 1110 Norfolk” ID by a male announcer. The signal was noted mixing with WBT and unidentified stations carrying talk and vocal music in English and Spanish. (KK-VA)
- 1120 WKAJ **NY**, Saint Johnsville – 10/4 0541 noted with “The Legends of Country Live Here on The Outlaw, 1120 AM” slogan by a male announcer. The signal was noted mixing with KMOX, WSME, WUST and an unidentified talk station. (KK-VA) (Your unidentified talker may be WBNW Concord MA – eb)
- 1130 WQFX **MS**, Gulfport – 10/4 0700 noted with “My Power Gospel, 98.7 FM... WQFX 1130 AM and” ID, possible mentions of “W268PL”, “99.5 FM” and “WCE680... in Columbia” by a male announcer. Columbia isn’t too far from Gulfport. The signal was noted mixing with WBBR, WCLW, WPYB and unidentified stations carrying Country, Oldies, Talk and Christian formats. (KK-VA) (There’s no listing for a relay on 99.5 FM in the Gulfport/Biloxi area for WQFX on Doug Smith’s list, Radio Locator or the WTFDA Database. 98.7 is W254DJ Gulfport MS; there’s a WCJU in Columbia MS – eb)
- 1150 WGBR **NC**, Goldsboro – 10/12 0703 noted with a “We are The Breeze, WGBR” ID by a male announcer. The signal was noted mixing with WBAG, WNLR and an unidentified Sports Talk station. (KK-VA) (Your unidentified sports talker may be CKOC Hamilton ON – eb)
- 1160 WYRU **NC**, Red Springs – 10/12 0600 noted with “This is Your Stop for Inspiration and Information, WYDU 1160 AM and WYDU 1160-dot-com” ID by a male announcer. The signal was noted with WCCS and unidentified stations with Christian talk, Spanish language talk formats and ESPN Radio. (KK-VA) (Your Christian talker may be WYLL Chicago IL; your ESPN is most likely WPIE Trumansburg NY – eb)
- 1170 WWTR **NJ**, Bridgewater – 10/14 2309 noted with South Asian music, “You are listening to EBC Radio” ID at 2317. A poor to very poor signal was noted under WWWVA; confirmed via Tune-In Web stream. First time heard in London. (PS-ON)
- 1270 WXGO **IN**, Madison – 10/13 0105 noted clearly hearing a “WXGO” ID into a Classic Hits format, featuring a tune by America while monitoring WQKR. A poor to very poor signal was noted, mixing with WLIK, WQKR and possible ACI from WCCR 1260. (PS-ON)
- WQKR **TN**, Portland – 10/14 0100 noted with a Classic Hits format, “WQKR Portland, 1270 AM, 101.7 FM” legal ID at 0102, into another music set, mention of 100.9 FM at 0113. A poor to very poor signal was noted, mixing with WLIK, WXGO and other stations; confirmed via Tune-In Web stream. First time noted in London. (PS-ON) (101.7 is W269DQ Portland TN; the 100.9 mentioned is W265DK Madison IN, which relays WXGO – eb)
- 1330 WYRD **SC**, Greenville – 10/14 0110 noted with *ESPN Sports Center All Night* sports talk show, ESPN promos, weather forecast, “ESPN Upstate” ID at 0113, national spots, multi-station ID mentioning WYRD before returning to *ESPN Sports Center All Night*. A fair to poor signal was noted; first time heard in London. (PS-ON) (I hear WORD 950 more often at my location. I still have my WFBC QSL card from 1983 – eb)

PIRATE

1710 Pirate Radio Corsair – 10/18 2244 noted with Electronic/Techno and New Age music, “This is Radio Corsair” ID at 2342, announcer thanked listeners for listening before indicating he would play one more song, which turned out to be “Hooked on a Feeling” by Blue Swede. The announcer said good night and signed off at 2345. A good signal (10 dB or more over S9) fading to poor at times. (PS-ON)

EDITOR'S NOTES

Thanks to Kraig and Paul for their logs this week. I hit a milestone last week when I bagged my 1,800th AM station at my present location. I hope your DX season is off to a good start! 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

Deadline – Monday 1200 UTC.

*** TRANS-PACIFIC DX ***

525 **ALASKA** ICW, Nenana/Ice Pool Muni. OCT 19 1055 – CW ID on both LSB and USB, fair. [AWP-CA]

530 **ALASKA** ADK, Adak. OCT 14 1400 – clear CW ID on LSB, new log.
+OCT 19 1055 – weaker but readable. [AWP-CA]

*** PAN-AMERICAN DX ***

640t **MÉXICO** XENQ, Tulancingo, Hdgo. OCT 20 0425-0429 – KFI disappeared and Adult Standards music with Spanish vocals appeared Due South. Male Spanish talk, perhaps reading ads, in between the music. Openings to Mexico City reported by other DXers at the time. Strong enough to eliminate any CHED slop. [JP-AB]

1090 **MÉXICO** Unid OCT 16 0604 – colchón (mattress) ad in Spanish, but keeps going past 0609, an infomercial and mentions being a TV offer. Roughly south with KAAY nulled at first during its dead air. Anyhow, no sign of KEXS 10 kW MO daytimer which had been all-nightly for quite a while. The Spanish is most likely XEAU Monterrey NL, or maybe XEWL Nuevo Laredo, Tamps., but neither is supposed to be on now per sked in IRCA Mexican Log: XEAU until 0600, XEWL until 0200; even allowing for DST, Mex skeds are notoriously unreliable.

+OCT 19 0502 – tonight I'm tuning an hour earlier to get a head start before the mattress TV infomercial I've been hearing after 0600 – but it's already running now! And I've missed another ToH ID, if any. Maybe all-mattress-all-the-time? Or late for those who can't sleep well on their awful mattresses. La Voz del Colchón, or Radio Colchón Internacional? I continue to think it's XEAU, Monterrey NL. KAAY off the side must be nulled, and hope there be no KEXS or anything else closer to the axis. But there is still that TA carrier pest on 1089, or really the seven UK Talksport synchros adding up to 722 kW – not including the 0 kW from the one in the Channel.

+OCT 20 0622 – Spanish from the south finally with a non-mattress infomercial, instead sounds like “Derma-Wand” some product for women's anti-aging skin care. Yes, there is such a thing, with very mixed reviews in English. XEAU Monterrey still suspected but no ID. [GH-OK]

1130 **MÉXICO** XEYZ, Aguascalientes2, Agua. OCT 14 0555 – “tropical” music from SW/NE, as KWKH Shreveport is unusually weak and easily nulled. Spanish on this frequency unusual; 0557 timecheck for 12:57, so in UT-5 CDT zone same as here, but no ID copied as KWKH resurges by 0600.

+OCT 16 0556 – Spanish past 0600, nulling KWKH favors SW, but now peaking this signal at SSW rather than SW, further pointing to the new XECHAP, Chapingo EdoMex.

+OCT 19 0601 – not much can be extracted with KWKH nulled as much as possible, but think I hear “Radio-Activa” which may or may not be an ID slogan. Trying to nail down a definite XECHAP, new station supposed to have just started.

+OCT 20 0631 – amid tunes I hear a non-ID as “I Poder de – ? – siete, La Poderosa”. No such slogan for any of the possible four in the current Log – but checking the previous one on paper, 2018 edition #21, there was a Poderosa on 1130: “XEYZ, Aguascalientes2, 10/2.5 kW, La Poderosa 107.7; La Más Famosa, 24h, //107.7 FM XHYZ. Still active on AM 10/17” – So now we may extend that to 10/19! And put it back into the Log. Approximately from SSW, making medium SAH with KWKH to the SE nulled as much as possible. [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.

JP-AB **JON PEARKINS**, Edmonton AB

Sangean PR-D15 with internal antenna only, on batteries.

AWP-CA **ART PETERSON**, Richmond CA awpetersonrpf@att.net

JRC NRD-545, Radio Plus Quantum ferrite loop, Bonito Boni-whip active antenna

73 and Good DX, Brandon



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

DXpedition to Masset BC 7 – 11 October, 2019

Walt Salmaniw, Victoria BC

Once again, I was able to spend a few days at my lovely location on the beach near Masset BC on Haida Gwaii, about 100 km offshore from Prince Rupert in northern British Columbia. Although my emphasis was on MW, I did have the opportunity to experiment with Shortwave and DRM broadcasts. I had four antennas to choose from:

1. A large diameter ALA 100 antenna aimed N/S (but as I found out on my last day, there was a break in the wire... no wonder it was a relatively poor performer. I'll re-erect it on my next visit, as it is permanently erected in the trees. Should know better, as we sometimes have 100 mph winds!).

2. A permanent 500' N Beverage, terminated into the ocean waters/wet sand of Dixon Entrance.

3. A reversible DKAZ, with NE direction in our local evening for trans-Polar reception, and then swung to SW for AM DU reception.

4. Finally, my stalwart favourite antenna, a 750' BOG aimed WNW. Unterminated this time.

Conditions for TA reception, unfortunately was not very good on MW. For TP, there was precious little DU reception, but China especially dominated the week, although at times, Korea and Japan also were strongly heard (as usual). Hope you enjoy the loggings. Please feel free to comment/correct anything that I might have made in error. 73, Walt Salmaniw, Victoria BC

445 **RUSSIA** LA. 0515 10/10. Beacon broadcast well heard with a slow CW for LA: dit dah dit dit, ...dit dah. Located at 65 deg 35 min 3 sec N and 171 deg 0 min and 27 sec E., which places it in the far NE part of Siberia. Good reception, even though, they are still in daylight for another few minutes.

531 **ALGERIA** Jil FM. 0436 10/11. Finally, some audio! It's been a very disappointing night, and well below what was present last night, and I had hoped for so much more tonight! Music program, with Arab flare. Weak carrier heard on 549, so possibly the //. All tentative, but a regular visitor to Victoria.

603 **CHINA** CRI. 1200 10/8. This morning was a better than average morning towards China, which dominated on many channels. Expecting fully to hear Korea, instead, I heard the CRI IS with listed Vietnamese programming. Not a hint from Korea. Similarly, 585 is not Japan at this hour, but Chinese. An hour later, back to the Korean/Japanese dominating (but still not that strong).

REP KOREA KBS2. 1529 10/10. Absolutely armchair copy with 70s music ('It's All Right Now') totally dominating the channel, //558 but with the latter having some competition with the Japanese on channel. Between songs, I can make out the NHK 1 outlets on frequency (2 5 kW senders from Obihiro Hokkaido, and Okayama).

612 **JAPAN** JOCG, NHK1. 1600 10/8. Am I missing something? I always thought that the NHK1 network was 24 hours. Just before 1600, I hear on 612 (and stronger 648 which is JOIG Toyama) the long Japanese National Anthem lasting to past 1601, with an ID for JOIG for 648 and another one for 612, but too weak to be sure whether they said JOCG. PAL does not list this ID, so should be added. Clearly not on all the NHK1 outlets. For instance 594 is definitely not part of this programming. Nor is 666 Osaka, In fact, reviewing my wav file, most of the NHK1 outlets don't use this time for the NA and local ID.

- 639 **VARIOUS TAs** 0440 10/11. Generally weaker than last night, but perhaps a smidgeon better than earlier this evening. Here's the list of visible carriers, and I'll mention audio if any occur: 189 Iceland (notable for its virtual absence tonight), 531 (audio), 549, 585, 639, 657, 693, 846 (presumed Kiribati), 882, 909, 954, 1026, 1053, 1062, 1089, 1098, 1116, 1179, 1215 (audio, but only some of the time!), 1242, 1251, 1296 (quite a strong carrier), 1305 (strong carrier), 1341 (strong carrier), 1368, 1386 (strongish carrier), 1413, 1422, 1431, 1458 (weak audio), 1485 (weak audio), 1503, 1548, 1557, 1566 (so-so carrier), 1575 (snippets of audio rivaling 1215 Absolute Radio).
- 657 **DPR KOREA** Pyongyang Bangsong. 1456 10/8. Very strong, near armchair copy with quite enjoyable music, fading down towards the TOH, and being replaced, I suspect by co-channel HLKM (a KBS1 outlet with 50 kW in Chuncheon), as I could hear some call letters just before the TOH and time pips. Then, Pyongyang back with the more usual female vocal music. Measured them about 2 Hz low only, with excellent modulation. At 1506 recheck //720 (also very strong) about 13 Hz low.
- 702 **CHINA UnID** 1545 10/10. Clearly a Chinese station giving announcements of frequencies and bands. Not sure who it is, as there are numerous stations listed. Good reception. Numerous ads followed. Perhaps a television feed?
- 738 **TAIWAN** Taiwan Area Fishery BC Station. 1545 10/9. Call of duty mobile heard at 1542 and Indonesia. Wow, this would be fantastic! I see that 2 stations are listed. Multiple mentions of Indonesia and 'Call of duty Indonesia'. Darn, I suspect this is Taiwan, as PAL lists them on now (1520 to 1600) in English/Indonesian. In fact I hear mentions of Taiwan. And sure enough, it's //to better 1143. So is this an RTI transmission? Why would a Fisheries station broadcast in other languages?
- 819 **DPR KOREA** KCBS. 1442 10/10. Way overmodulated today, as is //873. //to SW 2850 (excellent), 3220 (poor). Seems to be a studio problem, as all frequencies are overmodulated, but 819 is the worst. Very strong otherwise at over S9 + 30 or more!
- 846 **UnID** 1437 10/10. Hummy frequency. I see a carrier 100 Hz high, as well as a buzzy transmitter on frequency. My antennas today all seem to receive about the same: WNW BOG, N Beverage, and SW DKAZ. This is a phenomenon I've seen in Victoria as well on some mornings, while on other mornings the antennas are highly directional. On this channel, the dominant station varies from China to Japan to possible Vietnamese.
- 963 **CHINA** CRI. 1426 10/10. Excellent reception when first tuned in to their Russian broadcast, and better than //1323. Lots of mention of Kitay. Accent sounds very much like native Russian speakers. Sports at 1429.
- 1152 **JAPAN** JOPC, NHK2. 1444 10/8. Presumably this transmitter, as there are 3 listed, and geographically, we're closest to Hokkaido, although I missed the beginning of the sign off. Very strong reception with their beautiful prolonged sign-off procedure at 1440 today, and not 1540. Leaving an OC.
- 1170 **REP KOREA** DBS Hanminjok Bangsong 2. 1448 10/8. Absolutely armchair copy, with domestics/Alaska in background. Korean talk between a woman (primarily) and man. S9 + 30 to 40 here in Masset, as we approach LSR. As I was trying my other antennas (the WNW BOG is my favourite), KJNP faded up giving Korea a run for their money.
- 1224 **JAPAN** JOJK, NHK1 1600 10/8. Following the theme of the Japanese anthem, on 1224, various frequencies are read just before the TOH, followed by the National Anthem, followed by a clear JOJK ID, then a 1000 Hz tone, so sure sounds like they do sign off, at least some of the NHK1 stations do so. Good reception. Tone gone by 1602, replaced by a Chinese station. Also at fair/good level. 1368 has a large number of NHK1 transmitters and translators. The Japanese anthem is heard starting at 1600, co-channel other NHK1 stations (?) not doing the same. I could not make out any IDs. A 1000 Hz tone is heard starting at 1601:30 and still present at 1604. On 1584, the National Anthem is heard after a NHK ID, but this is a graveyard channel with many translators, so they may very well be other NHK1 translators co-channel. All 100 watts only! Fair level. Followed at 1601 by a 1000 Hz tone (plus NHK1 programming). An interesting discovery!
- 1458 **CHINA** Nei Menggu RGD. 1418 10/10. Eerie sounding echo. PAL lists between 30 and 40 transmitters from Nei Menggu region, listed in Mongolian. Again a decent Chinese morning. The bulk of transmitters seem to be on channel, but with several outliers: 1457.976, 1457.993, 1458.005 and 1458.016.
- 1512 **CHINA UnID** 1518 10/10. Not an easy channel this morning after NHK2 sign off (again at 1440). First, there's the 1 kHz tone, then 2 co-channels. One is a presumed Chinese speaker, while I was hearing what sounded like an English lesson in the background with words repeated over and over. Also a Chinese station. I see 2 listed in PAL: Jinan Gushi Guangbo and Linxia RGD, but also a Taiwanese at Chupei. Good to very good by 1523 with the dominant Chinese speaker way over the co-channel.
- 1512 **PHILIPPINES** DYAB, ABS-CBN Broadcasting Network, Radyo Patrol. 1450 10/9. Lively Tagalog talk initially dominant. A challenge, as there's a 1000 Hz tone left on after the NHK2 network signed off. Also there's a co-channel station which fades up at times to almost dominate with energetic vocals. That one sounds Chinese. Very good at times. Especially at 1458, with mentions of, 'Doctor Love'. Of course, by the TOH, the Chinese station again dominated! Nice DYAB ID at 1502:45. You have been listening to DYAB. Beautiful full ID, including license number, address of studio and transmitter, and the names of the engineers! Wow! Saying they were signing off at 1504. Followed by the NA. Very impressive!
- 1548p **CHINA** Shandong RGD. 1443 10/11 Presumed logging with not in sync transmitters all talking at the same time. Sometimes at good levels. My last morning again shows a powerful Chinese presence, with many of the Japanese subdued.
- 1548 **CHINA** Shandong RGD. 1529 10/8 Muddy audio with almost echo effect from presumed Shandong RGD. Time Pips noted at BOH. This morning has China definitely dominating, and no sign (yet) of any DU activity, despite having an optimal SW DKAZ. It's still picking up China (and Japan/Korea)!
- 1566 **CHINA** Yanzhan RGD. 1416 10/9. Interesting this morning with the dominant, of course, being South Korean HLAZ, but not much weaker is a station off channel in Chinese on 1566.034 with lots of traditional Chinese music (whereas HLAZ is all talk in Mandarin by a woman). Nice to hear something a little different on the frequency.
- 1575 **SPAIN** SER. 0435 10/10. Sometimes up to fair level with what initially I thought was Italian, but more likely Spain. Not as good as it had been around 0300 where there were many carriers noted, and at least a half-dozen audios. Carriers recorded at 0307 were: 531, 639, 693, 738, 837, 855, 864, 882, 909, 954, 963 (audio), 981, 999, 1044, 1053 (audio), 1062 (audio), 1071, 1089, 1098, 1107, 1125, 1152, 1161 (music), 1179 (music), 1206, 1215 (strong Absolute Radio), 1224, 1233, 1242 (audio), 1251 (Arab), 1269, 1278, 1287, 1296 (audio), 1305 (audio), 1314, 1341 (Radio Ulster...strong), 1359, 1368 (audio), 1386, 1404, 1413 (Radio Vesti at good level), 1422, 1431 (pretty certain this is Djibouti with snippets of audio), 1458 (music...sometimes good, and still going at 0442), 1485, 1494, 1503 (Arab, likely Egypt), 1566, 1575, 1593 and someone off channel on 1602.145 (who might that be?). Overall, I wish that conditions improved, but alas, they slowly declined further into the evening. Fingers crossed for tomorrow night, my last night in Masset.
- 1611 **PHILIPPINES** DWNX, Radyo Mo Nationwide. 1354 10/8. Often good/very good reception, with EZL English Christian music, but then fading down to poor/fair. I'm thinking this is most likely DWNX, as the other X-banders are not very strong. 'Yesterday once more' heard just before 1356. A number of carriers noted, presumably the Aussies, on 1610.896, 1610.942, 1610.984, then a band of the strongest between 1610.995 (this one on .999) and 1611.004, and one on the high end of 1611.024. Nothing over the TOH. Rechecking at 1414, and still at very good strength. And continued throughout the morning. Rechecking at 1508, in Tagalog at very strong level. Impressive how 1 kW can get out!
- 1638 **AUSTRALIA UnID** 1347 10/9. A mess of a frequency with the dominant station measuring 1637.990, while an almost as strong measures way off channel on 1637.869, causing a very audible hum, while there's a weak carrier on 1638.010, and an even weaker carrier on 1637.974. Wonder who they might be? Occ snippets of audio, which is more than what was heard yesterday here!
- 1683 **AUSTRALIA UnID** 1348 10/9. Same issue is happening here with stations way off channel. 2 are equally strong, with the dominant on 1683.006, while an almost as strong station is way off channel on 1683.279, while there's a very weak carrier visible on 1682.976. Once again, wonder who they are?
- 1701 **AUSTRALIA** 3VMV, Islamic Voice Radio. 1354 10/9. A decent X-band opening this morning, compared to yesterday morning. Arabic music clearly heard. I can see 3 carriers: 1700.998 (probably 2) – yes, when I zoom in closer, there is the stronger on 1700.996, then a weaker carrier on 1701.000, 1701.031, which seems to be the dominant carrier, and weaker 1701.103 (which is likely Radio Briswaani). I can hear a weak co-channel, likely the latter. Zooming in closer, there's a very weak carrier on 1701.053.
- 1710 **USA** Travis AFB CA. 0237 10/11. Poor to fair reception with the same loop broadcast from Travis that I've heard in Victoria. A further, almost 1000 km further north. I'm pleased (as I await TAs tonight!).
- 2017.5 **JAPAN** Maritime Traffic Information Service (MARTIS). 1305 10/11. Interesting broadcast in CUSB in English with just audible weather (?) information. Continuous loop. Measuring about 11 Hz above. Who could this be? Nothing in my on-site resources. 'First 3 hours' heard. Marred by OTH radar at times, between 1969 and 2323 kHz! Gone when the OTH left, but back at 1315. This clearly is used by several stations. Must be a marine information station. Begins at 1315 with 'All stations, all stations'. Again, 'North East passes' heard. Interesting! Wonder if it's Japanese? Winds noted. At 1318, another station dominates with a high pitched woman, but I can't tell whether English or not. 'Information provided... Coast Guard'. 'Radio station'... 'alpha bravo and delta'. 'Information surrounding area'. 'Navigation department'. 'Thank you'. The high pitched woman who often dominated WAS in English. She finished at 1324 with the, 'Thank You'. 'NE 10 min/sec'. At 1326, almost certainly heard, 'Tokyo Bay'. 'North Korea'. 'Next broadcast is scheduled at ? UTC' and off at 1328. Back with 2 stations at 1330. 'Navigation assistance'. Yes, definitely Japanese as at 1332, faded up with information about a prefecture. Interesting that it's only in English. Lots of wind information noted. 'Traffic service center... another vessel... recommendation... Meteorological October 11th.... There will be a northbound vessel. No vessel was reported. Back again at 1345 with, 'All stations, all stations'. Again, there are at least 2 stations. Frequency sounds a lot like 1610 TIS frequency with a hodge podge of stations, none very strong. At times, some are surprisingly strong, though (like at 13:47) Quite good reception when rechecked at 1503. Thanks to Jari Savolainen and Ron Howard for providing information and links. I note that the wiki link also includes a 7th site at Nagoya. This is the same service, but in English, of the Japanese service, which I've often heard on 1665 and 1651 kHz. Note that the pdf link from Ron: <https://www.kaiho.mlit.go.jp/syoukai/so>.

- 2965 **THAILAND** Bangkok Met Radio. 1242 10/8. Good reception in English with VOLMET for various SE Asian cities.
- 3008 **UnID** 1245 10/8 Sounds like a numbers station in an Oriental language. Female mechanical speaker with a possible echo. Don't see this channel listed in my sources. ?Chinese, or North Korea possibly?
- 3325 **INDONESIA** Voice of Indonesia. 1225 10/8. Japanese programming from Voice of Indonesia at good level, and would be excellent except for strong splatter from North Korea 5 kHz below. Earlier in the hour, they were co-channel with PNG, but the latter was undermodulated and left the air sometime after 1200. Checking on the 9th, all I see/hear is a big OC during the English hour scheduled at 1300
- 3560 **DPR KOREA** Voice of Korea. 1210 10/8. A pretty powerful signal received; with decode reading (on DReaM software): 'Dream Test' and '18.40 kbps EEP AAC Mono English Other Music'. Despite this, I'm only getting rare snippets of audio... speech, but too short to get language. Despite a S9 + 10 signal, I suppose the ionosphere is not allowing for good demodulation. SNR measures 16.9 dB. Still not enough for decent demod. There, at 1217, long enough to confirm it's NOT in English, but presumed Korean and into some marshall music. Better at 1220. Now demodulating about 25% of the time, with the window now indicating, 'Dream DRM Transmitter. This is a test transmission'. A new DRM country for me. They don't appear to be on at 1310 on the 9th, nor the 10th or 11th when I checked, however.
- 4885p **BRAZIL** Radio Clube do Para. 0514 10/8. Presumed logging at fair to good level, on measured 4885.025 with Portuguese ?preaching. My official first logging for my week in Masset!
- 5935 **JAPAN** Shiohaze Sea Breeze 1313 10/9. Very good reception in presumed Japanese. Electronic grinding jamming. //to equally strong 6040, but latter has a rapid pulse type jammer.

**DXpedition #7 – James S McDonnell County Park near Saint Ann MO
Eric Bueneman (NØUIH)**

On the afternoon of October 19 2019, I took my radios to another local park; this time, the location was James S McDonnell County Park near Saint Ann MO. This park is run by the Saint Louis County (MO) Parks Department, which also runs Sioux Passage County Park. The park is named in memory of the founder of McDonnell Aircraft Company (now part of Boeing), James S McDonnell. I chose this particular one because one of the Amateur Radio clubs I am a member of, the Saint Louis and Suburban Radio Club, has operated their Field Day station on the last full weekend in June at the park's shelters on several occasions.

On this particular afternoon, temperatures were in the lower 60s Fahrenheit under mostly cloudy skies with brief rain sprinkles. I set up off to the side on a roundabout about 100 yards east of the McDonnell Shelter, the site of Saint Louis and Suburban Radio Club's 2019 Field Day operation. On the AM broadcast band, late afternoon and sunset conditions favored the Midwest, Mid-South and the Carolinas. On the tropical bands, conditions favored the Americas, as usual. Once again, the international shortwave broadcast bands were peppered with signals from all over the world.

Once again, the General Electric Superadio III was used for AM broadcast band DX, with the Tecsun PL-600 and 30-foot homebrew portable longwire used for Tropical Band DX. All times for AM BCB DX are ELT; all times for Tropical Band DX are in UTC.

DOMESTIC DX (USA)

- 720 WGCR **NC**, Pisgah Forest – 10/19 1839 noted with Southern Gospel format, female announcer mentioning the song just played, into *The Digital Heritage Moment*, with talk on wildlife in southern Appalachia. A fair signal was noted in a WGN null.
- 810 WHB **MO**, Kansas City – 10/19 1845 noted with local ad, "WHB" ID into talk on college football. A fair signal was noted over other stations.
- 940 WECO **TN**, Wartburg – 10/19 1852 noted with Southern Gospel format, "AM 940 WECO" ID. A fair to poor signal was noted, mixing with other stations.
- 980 KMBZ **MO**, Kansas City – 10/19 1900 noted with legal ID, "Talk 980 KMBZ" mention into ABC News. A fair signal was noted over KSGM and WYFN.
- 1070 KFTI **KS**, Wichita – 10/19 1906 noted with Classic Country format, "Classic Country 1070" ID. A fair to poor signal was noted, mixing with KHMO, WAPI, WCSZ and other stations.
- WCSZ **SC**, Sans Souci – 10/19 1910 poked through with an announcement in Spanish into Regional Mexican format. A poor signal was noted, mixing with KFTI, KHMO, WAPI and other stations.
- 1200 WRTO **IL**, Chicago – 10/19 1740 noted with national ad in English, soccer promos in Spanish. A good signal was noted with adjacent channel interference from KQQZ 1190.
- 1350 WPDR **WI**, Portage – 10/19 1746 noted with Oldies format, "AM 1350 WPDR" ID. A fair signal was noted over KRAP and WSIQ.
- 1510 WLAC **TN**, Nashville – 10/19 1808 noted with Vanderbilt University football play-by-play, local ads, "This is Talk Radio 98.3 and 1510 WLAC" ID. A good to fair signal was noted over WCAZ.
- 1530 KVDW **AR**, England – 10/19 1921 noted with Urban Gospel format and a local promo. A fair to poor signal was noted, mixing with KGBT and WCKY.
- KGBT **TX**, Harlingen – 10/19 1924 noted with soccer play-by-play in Spanish. A fair signal was noted, mixing with KVDW and WCKY.
- 1560 KLNG **IA**, Council Bluffs – 10/19 1926 noted with end of Christian teaching program, choral Christian music before 1930 sign-off. A fair to poor signal was noted, mixing with KGOW.
- KGOW **TX**, Bellaire – 10/19 1925 noted with commentary in Vietnamese. A fair to poor signal was noted, mixing with KLNG.
- 1580 WLIJ **TN**, Shelbyville – 10/19 1811 noted with Country format and mention of call letters. A fair to poor signal, mixing with other stations.

TROPICAL BAND DX

- 4885 **BRAZIL** Radio Clube do Pará ZYG362 Belém, Pará – 10/19 2307 noted with commentary in Portuguese. A fair to poor signal was noted.
- 5025 **CUBA** Radio Rebelde CMBA Bauta, Ciudad de la Habana – 10/19 2113 noted with commentary in Spanish. A fair to poor signal was noted.
- 5040 **CUBA** Radio Havana Cuba via La Habana – 10/19 2257 noted with tail end of commentary in Spanish into RHC interval signal. A fair signal was noted.
- 5050 **UNITED STATES** WWRB Morrison, TN – 10/19 2258 noted with ID and Christian teaching program in English. An excellent signal was noted.
- 5085 **UNITED STATES** WTTW Lebanon, TN – 10/19 2310 noted with *Ham Radio Live*, ad for ICOM America in English. An excellent signal was noted.

NOTES

This is another excellent place in the Saint Louis MO area to have a daylight DXpedition. As long as I'm not too close to the transmitter sites of local AM stations, I'm in good shape. Where will I be next? Stay tuned! 73 and good DX from NØUIH, the Florissant Valley Dial Twister.



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

Deadlines: 10/26, 11/2, 11/9, 11/16, 11/23 and 11/30

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.

USA. 356 kHz, October 16 at 0555, ND beacon ODX, which is 25 watts from Ord, Nebraska. 293, FBY Fairbury NE also in at 0549 with 25 watts

USA. 620, October 18 at 1235, signal from SSE in Spanish. Must be KEXB Dallas, which some months ago became split-personality, Spanish religion overnight, still business news in English over days. Now Spanish has expanded, overtaken? Checked again at 1812, still Spanish as Radio Luz, all-talk sounding like infomercial with religious overtones, a (972) area code and then a different one. Break at 1900 for legal ID in English as KTNO, Plano, a Salem station. That has been the one on 1440! So they must have flipped. And into outright preaching.

FCC AM Query confirms that only yesterday, October 17, did the 1440 station change calls from KTNO to KEXB. (Before 3/15/1994 it was originally KDNT – I remember, that was in Denton, another town too close to The Metroplex to be able to hold on to its local radio station succumbing to giant sucking – like Wichita Falls which lost at least two including the original 620, KWFT).

KEXB 1440 is licensed to Inspiration Media of Texas LLC, University Park. 620, KTNO licensee is named merely Inspiration. Nothing in FCC about either pertaining to Salem as I heard announced on 620. Radio-locator.com is confused about which be which:

"KEXB-AM 1440, University Park, Texas, "Experts In Business", Station Format: Business News", Website: <https://620amkexb.com/>

But that site now displays: "620 KEXB Business Talk is no longer available. Thanks for listening to the station over the past 8 years. Please check out one of the other Salem Media Group radio stations in Dallas-Fort Worth. (KLTY) 94.9 KLTY <https://klty.com>.

(KSKY) 660am The Answer <https://660amtheanswer.com>, (KWRD) The Word 100.7FM <https://thewordfm.com>, (KTNO) 620AM Radio Luz <https://luzdallas.com>, (KLTY-HD2) 94.9-HD2/102.5 El Pez <https://elpezdfw.com>"

That last one is also slogged "Inspirando Tu Vida" – El Pez refers to the Christian idea that it's somehow related to the Greek word for fish, ichtos – a back-formation acronym translated as "Jesus Christ, Son of God". Thus the fish symbol on rear-ends of cars, people, and elsewhere. Note: in Spanish once a fish be caught, it becomes a pescado, i.e. "fished". So I guess Christian converts are also pescados; hopefully without too much injury to their lips. Note one is spelt with a z, the other with an s. Roughly 50% of fish are female, so why isn't there a feminine equivalent of el pez? La pez is a chemical term meaning pitch. But I digress?

This is probably not new, but on the caradio I notice that 620 is stronger/louder than 570 KLIF Dallas. Both 5 kW, so if everything else were equal, KLIF should be slightly stronger on a lower frequency, or essentially the same. KLIF also has constant daytime CCI here from understation WNAX Yankton, the only such SD, while 620 has none. The 620 daytime pattern FCC pdf is still labeled KEXB! It's broad and flattened from WSW to NNE. KLIF daytime is almost circular but offset from center favoring the south side.

At 2058 on two radios, I confirm that 1440 is not //620, but can't tell yet what format is now thereupon. The former home of Radio Luz, at U4 50000/350 watts, 1440 ought still to be useful for something in the daytime. Hey, there can never be enough Vietnamese in DFW. 1440, October 18 at 2343 now that SSS skip is in, we have the interim answer: indecision. Female loop running over and over which I transcribe: "This is KEXB, University Park, 1440-AM, Experts in Business. Radio Luz Dallas se ha mudado de la 1440-AM a su nueva casa, la 620-AM – misma programación, mejor cobertura, más alcance. Radio Luz Dallas, iluminando mente y corazón". And I go to the trouble to record it for posterity: https://www.w4uvh.net/KEXB_1440_loop_2019_1018_2349z.mp3

Official October SS/SR for KEXB and KTNO are 0000/1230, so at 2349, 1440 still legally on 50 kW day power, before cut to only 350 watts night (November: 2330-1300).

USA. 780, October 18 at 1240, with nearby KSPI nulled, a station giving school lunch menus and activities for today in Madison – not WI, but the next town south of Norfolk NE, and soon a WJAG ID rather than WBBM. Cannot imagine bigcity BBM ever doing that.

USA. Typo correction: WWBA of course, not WBAA; fixed: 820, October 10 at 0052, WBAP still has QRM with slow SAH, somewhat audible when nulled, WWBA singing ID just before 0100, as Largo FL station is *still* obviously on 50 kW day power instead of 1 kW night. If they have a legit problem switching to night power and pattern, they should just turn it off!

USA. 1010, October 15 at 1330, detailed ag report, cattle auctions, Fargo mentioned? 1337 switch to another market report by same speaker, 1338 ad for something in Sterling-Brush-Fort Morgan, so this is KSIR, licensed to Brush, address in Ft Morgan CO, U4 25000/280 watts. Now day since 1300 (November: 1345). Day and night patterns from NE CO are figure-8 E/WSW, not good for here to the SE. Some 20+ years ago, KSIR was a WORLD OF RADIO affiliate.

USA. 1150, October 16 at 1247, Spanish looping slightly CCW from E/W; Ad with 623-area code, "Radio [two syllables]"; fast SAH with KSAL? at right angle, romantic song. 623 is one of the *five* ACs in central Arizona, so this is KCKY Coolidge, in NRC AM Log as Spanish religion, Radio Casa, U4 5/1 kW. Both day and night patterns are sort of figure-8 with the side notches toward me! This is just after sunrise here so obviously well before SR there.

UnID. 1161.0, October 18 at 0536, carrier very close to a TA frequency making het against KSL, but looping approx. 005/185 degrees on the DX-398 – yet, no such signal to be heard on the R75: so it must be a local artifact.

UnID. 1180, October 18 at 1256, from NW/SE, string of legal ads, PSAs, one mentions Houston, but these may be national, as soon back to wrap-up of 'America's First News', but fadeout during 1300 ID! So is it KGOL Humble TX (Houston market)? That's supposed to be La Suavecita, in Spanish, ex-ESPN-D. Or has it flipped again? Only other fit on this axis is KOFI Kalspell MT, which is news/talk, but no complete program schedule on website! Then I check the affiliate list for 'America's First News' and find no 1180 in TX or MT. I still suspect it's KOFI, where October sunrise is not until 1400 (November: 1445), U2 50/10 kW. Night pattern is basically N/S with a deep notch toward Rochester, so there is some signal here to the SE.

USA. 1190, October 18 at 0543, brief bit of Navajo-like chanting, looping NW/SE, then maybe more conventional music. No Native stations known per se, as I assume this is the eclectic student station, KVCU Boulder CO, U1 6800/110/CH5000 watts.

USA. 1190, October 18 at 0543, as I am DFing the chanting from the NW, I encounter a much stronger signal from the NE. Normally would expect KDMR Kansas City, U2 5000/500, yet often dominant at night. But that's EWTN and what I am hearing is far too extreme for RCC commentary – racist anti-NAACP rant employing the N-word with no bleeping but reverb for emphasis; also refers to Saint Clair County and Saint Louis. Therefore, this is KQQZ, CoL Fairview Heights IL, address in Belleville, but just across from MO, U4 10000/650/PSRA 138, "1190. The Patriot" per NRC AM Log.

KQQZ and three other stations in the group are in big trouble, because the owner Robert Romanik is a convicted felon, ineligible to own stations. Aka "The Grim Reaper", I think this must be himself still on the air. Haven't heard anything lately, but see <https://www.w4uvh.net/dxld1929.txt> for a bunch of media reports about this as of June, when the stations were headed toward an FCC license revocation hearing. How did that go?

If Bob lose his own outlets, there's always on SW "the last free-speech radio station", which has already welcomed some felons.

USA. 1490, October 15 at 1322, weather, "Fabulous KDMO Morning Show", "Red Sails in the Sunset", i.e. Carthage MO in the SW corner, briefly dominating the jungle around sunrise with NOS format.

UnID. 1503.2 and 1476.8, October 14 at 0615, slightly wandering spur-blobs, 13.2v kHz above and below out of some 1490 station, now here. I can tell it's talk modulation but far too distorted to read. Now not so sure about previous DF of WSW/ENE.

USA. 1550, October 15 at 1315, NPR Morning Edition // but not synch with delayed for IBOC 91.7 KOSU. Has to be KUAZ Tucson, 50 kW ND daytimer. Oh2, official FCC October sunrise is not until 1330 (November: 1400). Anyhow, always great to hear a public radio station on AM, of which there are vanishingly few especially around here.

OKLAHOMA [non]. 1580, October 14 at 1438, KOKB Blackwell still off the air like yesterday afternoon, uncovering two weak signals making a fast SAH – most likely next-closest KHGG AR with KGAF Gainesville TX, or maybe KFCS Colorado Springs, 10 kW ND daytimer two hours after SR here, and well after its 1315 sunrise.

OKLAHOMA. 1580, October 17 at 1830, KOKB Blackwell is on the air again after another absence, sports talk.

OKLAHOMA. 1580, October 18 at 1807, KOKB Blackwell is off again. What is going on with this station? When on it sounds fine with no technical problems.

UnID. [Correction: time and date omitted originally: from 0123 October 13:] Trans-Atlantic JBA MW carrier search, a good idea as Jim Renfrew, NY has been reporting lots of stuff now and recently: this on the handheld DX-398 to be sure they DF approx. NE if not SW, but facing lots of splatter from those pesky North Americans on even frequencies: 612, 621, 693, 774, 783, 837, 855, 882, 936(2), 999, 1017, 1053, 1062, 1089, 1125, 1179, 1215, 1296(2), 1305, 1413, 1422, 1503, 1512. (I also have off-frequency-minus hets below 774 and 1548, but as previously divined, those two are harmonically related to each other and to 387-, so something local; never mind. DF on these is N/S)

UnID. Awake by 1215 October 16 pre-sunrise 1239, I might as well do a Trans-Pacific JBA MW carrier scan, on the DX-398 for DFing, and wow, are there lots of them. Those with no direction are too weak or more likely both NW and WSW. If a beat is detectable, (2). 774 and 747 are strong enough to detect some talk by female voice, but will not assume Japanese, since could be during NHK language lesson. 774-NW, 765(2), 756-NW, 747-NW, 738-NW, 729-NW, 711-NW, 702-NW (2), 693-NW, 675-NW, 666-NW, 657-NW>WSW (2), 621-NW, 612-NW, 603-NW, 594-NW, 585-WSW, 567(2), 558-NW. Now from 1226, upward from 774: 792-NW, 828-NW, 837, 846, 864-NW, 873-NW, 882-NW, 891, 918-NW, 972-NW, 981-NW, 1017-WSW, 1035-WSW&NW, 1044-NW, 1053, 1098-W&NW, 1134-NW, 1143-NW, 1197-NW, 1206-NW, 1287-NW, 1296, 1331-NW, 1413-NW, 1422, 1476, 1503-WSW, 1548-WSW, 1566-NW, until 1241. 1206 was noticeably off-frequency-minus. MWoffsets suggests: 1205.96 CHN Yanbian RGD Korean News General (Yanji/Longjing) 2000-1600 2016-08-09.

UnID. Trans-Atlantic JBA MW carrier search, October 17 at 0310: I am not digging quite as deep as usual for JBBBA carriers, but still come up with: 531, 612, 621, 693, 702, 711, 774(2), 819, 837(2), 855(2), 882, 909, 936, 954, 999, 1053, 1062, 1089, 1098, 1107(2), 1152. On 774 I could make out some talk modulation at 0314, presumably the megawatt from Egypt although there are 8 medium-power Spaniards on 774. We seem to be at the autumnal peak of TA and TP MW DX, but maybe not for much longer with A and K indices building up to 25 and 5 by October 25, per WWV.

UnID. Trans-Pacific JBA MW carrier search, October 18 at 1244, I'm on 1566 from the NW to observe a signal drop when HLAZ used to change beams from thisaway to thataway, but it seems about the same with a little fading – o, I must have misremembered, as WRTH shows the switch from Japanese to Chinese is at 1345, not 1245. For that we'll have to wait for later sunrise here, close to 1345 around Epiphany. Others now: 1098-W, 1026-WSW, 972-NW, 882, 828-NW, 774-NW, 747-NW, 693-NW, 594-NW until 1252.

KOREA SOUTH. 6000, October 18 at 1312, RHC with CCI, presumably Echo of Hope and North Korean jamming, as Ron Howard has reported VOH on 6000 ex-5990 and ex-5995; and Aoki October 17 issue also has them both on 6000 only; but, tomorrow? I take the opportunity October 18 at 1317 for a quick survey of the other VOH/VOP frequencies which have been jumping around. Some are just carriers, others including noise jamming: 3485, 3915, 3930, 3985, 4450, 6250, 6520, 6605, 9100.

CUBA. 4765, October 15 at 0128, Radio Progreso is S9+10 but JBM vs CODAR swishes.

PERU. 4775-, October 17 at 2319, two JBA carriers slightly on the minus side, vs CODAR, the usual situation here between Radio Tarma and Brazil's Radio Congonhas. Nor around 0130 October ober18. I'm afraid the new 2 kW transmitter Tarma is supposed to start testing today has been of no help. Viz.: "AN INTERESTING ITEM I GOT INFORMATION FROM CESAR DIOSSES LIVING IN CIUDAD TRUJILLO IN PERU HERE THE TEXT YOU MAY UTILIZE IN YOUR PROGRAMS: (1) Playdx Dario Monferini Source: <https://playdxblog.blogspot.com/>. Noticia desde nuestro amigo y colaborador Cesar Dioses desde Ciudad Trujillo de Perú. Radio Tarma Internacional estará probando su nuevo transmisor de 2 kW en onda corta por los 4775 kHz banda de 60 metros. Habrá una QSL especial para todos aquellos que envíen informes de recepcion con clips de audio por Email: gerenciageneral@grupomonteverde.com. Las transmisiones empezarán el día jueves 17 octubre a las 21:00 hasta las 02:00 UTC." I suppose they will continue following days? Per WRTH, OCX4E old transmitter was only 500 watts; check *1000 except Sundays *1100.

CUBA. 5040.051, October 13 at 0028, Radio Havana Cuba IS and Portuguese! undermodulated, with squeal, and splatter from super signal of 5050 WWRB which is fortunately on only two nights a week. Unusual for this or any RHC channel to be off-frequency; and supposed to be going from Creole to French at 0030. WRTH of a year ago showed Portuguese on 15730 at 0030-0100, but currently not later than 2330-2400 per EiBi and Aoki.

5040.051, October 15 at 0123, Radio Havana Cuba off-frequency again, re-measured exactly the same; correct language after 0100 Spanish, S9-S7, undermodulated with squeal.

5040.051, October 16 at 0209, this Radio Havana Cuba is still off-frequency, suported and squealing, yet S9+10/20.

5040+, October 18 at 0118, this RHC continues off-frequency another night and barely modulated in Spanish.

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



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

**Alternate way to build a DKAZ and other loops
Fixed Phasers**

by **Dave Aichelman, N7NZH**

I blame it all on a trip to Kauai back in 2012. I was looking for small antennas to take along to capture the South Pacific with my Perseus SDR radio. I ended up making a pair of collapsible 'Tent Pole' loops, one of which I took along, configurable as either a flag (FLG100) or bidirectional (ALA100) loop antenna that could fit in a suitcase. I was relieved that TSA didn't bat an eye over my antenna, although they did want to look at my radio, cables and battery pack. (Figures 1 and 2)

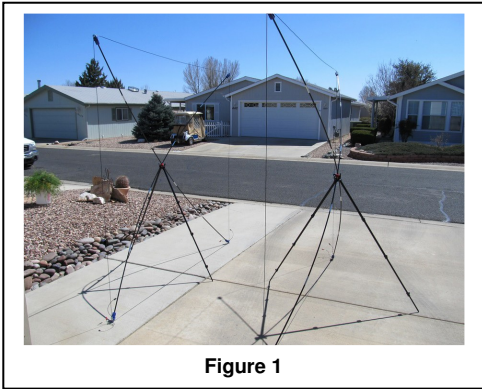


Figure 1

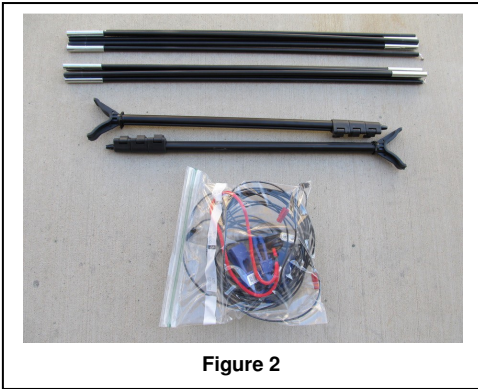


Figure 2

Upon returning with great captures and a favorable impression of small antennas, I started looking more into phasing and how small phased antennas can be built, with a similar pattern to phased flags or a single DKAZ.

I experimented with DKAZ antennas in the 21'x88' size which are great if you have the room to use them and the energy to set them up for short trips. They work great, but their size and attention getting 'presence' deterred me from using them much. In addition, I noted that the 'anti-phasing' aspect of their design ate up a lot of signal, especially on the low end of MW. So, I continued exploring smaller, easier to erect antennas that also had a lower profile, more efficiency and a better pattern.

Around the same time, I discovered some of Dallas Lankford's material on fixed phasers. Initially I was put off by the math and seemingly endless variations of phaser circuits, as well as the complexity of many of the diagrams. I figured out over time, that if I designed from a 50 ohm impedance perspective and simplified the design to leave out common mode chokes, I could make simple phasers that work with smaller antennas, delivering the same null pattern as larger arrays like the DKAZ design.

Also part of that same Lankford material, Dallas describes loop sensitivity from the standpoint of using a low-noise 18dB amp, in different loop sizes from 1MHz up to 50MHz and translates that into microvolt sensitivity levels at the low end of MW (Figure 3). My 7 1/2' (4m²) per side 'tent pole' loops and Chuck Hutton's 15' (25m²) per side 'cliff-side' loop fits right in the middle of the antenna sizes I was looking for. Since that time, the newer versions of the FLG100LN and ALA100LN antenna modules can be built in 22dB and 26dB versions, offering even greater performance at lower noise levels. This means that smaller antenna arrays with good sensitivity and similar patterns to the DKAZ can be built.

Untuned Loop Antenna Sensitivity At 500 kHz					
Dallas Lankford, 5/13/07					
A (area)	L	Noise Floors		10 dB S/N	
		2 kHz BW	6 kHz BW	2 kHz BW	6 kHz BW
1 m ²	6 μH	2.4 μV	4.1 μV	7.6 μV	13.2 μV
4 m ²	12 μH	1.2 μV	2.1 μV	3.8 μV	6.6 μV
25 m ²	24 μH	0.26 μV	0.45 μV	0.82 μV	1.4 μV
225 m ²	100 μH	0.06 μV	0.10 μV	0.19 μV	0.60 μV

Figure 3

My design of fixed phaser, combines a small homemade phaser module with a commercial 'Magic-T' based splitter/combiner, to create a passive, low loss unit that is great for travel and rapid setup. A passive, low loss combiner/phaser when used with small, spaced antennas, helps get back some of the gain lost with anti-phasing in Waller/DKAZ designs, to make this type array more competitive with its larger brethren. So, in Figures 4 through 6 is the info needed to make your own. In my example, I use 50' separation between the two antennas, but Figure 6 gives parts values for antenna separations of 25' and 100' as well. These parts values are optimized for 30 degree arrival angles.

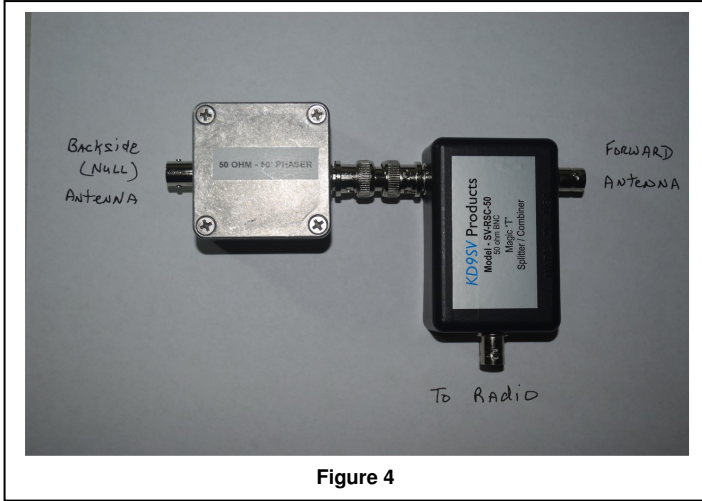


Figure 4



Figure 5

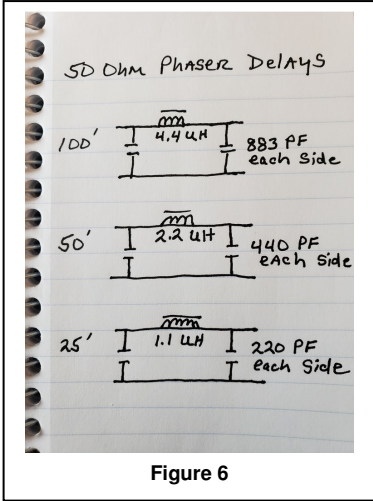


Figure 6

These designs are for 50 ohm coax arrays. The two feed-lines should be the same length and use the same vendor and type of cable. The antennas should match each other in type, size and termination (if used) and be placed at the designed separation distance, in-line with each other in the desired direction. The phaser/combiner can be put near the antennas if the antennas are passive, but must be placed before the voltage injectors if used with active antennas like FLG100LN's or ALA100LN's. Bidirectional loops, flags, whips and active dipoles can all be used in matched pairs. *Pay attention to same length cables, antenna size matching and component type and tolerances, or phasing won't work as well as desired, since it is not adjustable!*

Also keep in mind that a variable phaser will always have the ability to null deeper than any fixed phaser. Basically, a fixed phaser is designed to offer average nulls across MW, without having to knob twiddle or deal with active components and additional power connections. I see 15-25dB nulls with pairs of bidirectional loops and 20-35dB nulls with flag style loops. Even though flag arrays have better backside nulls and low-angle forward reception, phased bidirectional loops are more sensitive because there is no resistor loss. And because they have more high angle reception in the forward direction, the 'dawn effect' is less pronounced on ocean paths with pairs of bidirectional loops too. By the way, 100' separation (or even more) will always have more signal than 50' or 25' separation if you have the room for it.

The parts list of components from Digikey is in Figure 7, for everything but the Hammond cabinets which are 2" x 2" x 1.2" boxes. Item #4 on the list should be a 62-63pf capacitor. Dallas shows the wrong overall 100' capacitance value in a number of his older diagrams, which is a mistake. The total capacitance of 883pf at 100' given in Figure 6 is correct for 50 ohm feed-lines.

Line Item	Location	Item Number/ Description	Ship
1	JJ-230	PART: A97548-ND MFG#: 5-1634523-1 MFG: TE Connectivity AMP Connectors COO: TAIWAN DESC: CONN BNC JACK STR 50 OHM SOLDER HTSUS: 8536.69.4010 LEAD FREE ROHS COMP REACH UNKNOWN ECCN: EAR99 CAGE: 00779	Amel MUT BAK
2	NY-6625	PART: 338-3988-ND MFG#: CDV16FF221J03F MFG: Cornell Dubilier Electronics (CDE) COO: MEXICO DESC: CAP MICA 220PF 5% 1KV RADIAL HTSUS: 8532.29.0020 LEAD FREE ROHS COMP REACH UNKNOWN ECCN: EAR99 CAGE: 00853	25' 50'
3	OB-12125	PART: 338-1094-ND MFG#: CD19FD821J03 MFG: Cornell Dubilier Electronics (CDE) COO: MEXICO DESC: CAP MICA 820PF 5% 500V RADIAL HTSUS: 8532.29.0020 LEAD ALL ROHS NONC REACH UNKNOWN ECCN: EAR99 CAGE: 00853	100'
4	LA-8371	PART: 338-1091-ND MFG#: CD15ED680J03 MFG: Cornell Dubilier Electronics (CDE) COO: MEXICO DESC: CAP MICA 68PF 5% 500V RADIAL HTSUS: 8532.29.0020 LEAD ALL ROHS NONC REACH UNKNOWN ECCN: EAR99 CAGE: 00853	100'
5	LA-11536	PART: M10140-ND MFG#: 78F2R2K-RC MFG: Bourns Inc. COO: CHINA DESC: FIXED IND 2.2UH 630MA 250 MOHM HTSUS: 8504.50.4000 LEAD FREE ROHS COMP REACH UNAFFECTED Jan-2017 ECCN: EAR99 CAGE: 4J937	25' 50' 100'

al - WEB ORDER ID: 285062727

CERTIFICATE OF COMPLIANCE
The Digi-Key components included in the above shipment are genuine components and were provided by the applicable manufacturer to Digi-Key. Test reports (chemical, physical, electrical, etc., together with results of any manufacturer) are on file (either here or in the plant of the manufacturer) and will be made available upon request. These components have been handled in accordance with the requirements of applicable quality standards the original customer and is not transferable. Contact Customer Service at 800-858-3616 if you have any questions.

Figure 7

I would be happy to answer any questions or to provide additional information. I have the Lankford files noted below, as they are getting harder to find. Email me at: daiche@yahoo.com if you need help.

Primary Dallas Lankford Source Documents:

- Amplified 1 And 4 Meter Square Untuned Loop Antennas rev 1.pdf
- Discrete LC Delay Line Phasers.pdf
- LC Delay Phaser-Combiners.pdf
- Newer Active Flag And Delta Flag Arrays.pdf

(Editor's note: this was a handout at the 2019 IRCA convention, accompanying Dave's talk about Fixed Phasers.)



2019-2020 IRCA DX CONTEST – Manager: Nancy Johnson – 2922 S Olivewood – Mesa AZ 85212-2923
E-mail: NancyJohnson@prodigy.net

October 15 2019 – Contest Update

- | | | | | | | | |
|--------------------|-----|---------------|-----|------------------|-----|------------------|---|
| 1. John C Johnson | 148 | 3. Greg Hall | 124 | 5. Dennis Vroom | 100 | 7. Nancy Johnson | 8 |
| 2. Larry Van Horne | 144 | 4. Tim Noonan | 105 | 6. Phil Bytheway | 43 | | |

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

IRCA Slogans List (September 2019) – now available!!

The 2019 Slogans List includes radio slogans from the US and Canada (over 4600) as gleaned from various DX publications and monitoring. The 2019 IRCA Slogans List is posted on the IRCA website for all to download. The link is: https://www.ircaonline.org/editor_upload/File/2019_IRCA_slogans.pdf

For those preferring a hard copy, one can be ordered from the IRCA. Prices: **IRCA/NRC members** – \$4.00 (US), \$5.00 (Canada) \$7.00 (México), \$7.50 (rest of the world). Non-IRCA members – add \$1.00.

IRCA Mexican Log, 22nd Edition (Winter 2019)

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

The 2019 Mexican Log .pdf is posted on the IRCA website for all to download. The link is:

https://www.ircaonline.org/editor_upload/File/2019%20Mexican%20Log.pdf

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

Prices: **IRCA/NRC members** – \$5.00 (US), \$6.00 (Canada) \$8.00 (México), \$9.00 (rest of the world). **Non-IRCA/NRC members** – add \$1.00.

IRCA TIS/HAR LIST (Summer 2018)

The **IRCA TIS/HAR LIST** lists all US and Canadian TIS/HAR stations, by frequency, including call letters, state (province), city, county, licensee, address, coordinates, expiration date and dates of DXM/DXN reports/sources. It has been updated with FCC data, DXM, DXN and DXer reports, and on-line listings through June 6 2018.

The 2018 IRCA TIS/HAR LIST is posted on the IRCA website for all to download. The link is: http://www.ircaonline.org/editor_upload/File/TIS_2018.pdf

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

Prices: **IRCA/NRC members** – \$5.00 (US), \$6.00 (Canada) \$8.00 (México), \$9.00 (rest of the world). **Non-IRCA/NRC members** – add \$1.00.

A DXers Technical Guide, 4th Edition (Spring 2004)

In its nearly 200 pages you will learn about the principles underlying the design of successful receivers, antennas and receiving accessories, find reviews of the best commercially available DXing equipment in different price ranges, as well as detailed instructions for building one's own antennas and other DXing aids. Although it focuses on the technical backdrop to medium wave DXing, it will also be of interest to serious shortwave listeners and low band radio amateurs.

Prices: **IRCA/NRC members** – \$15.00 (US), \$16.50 (Canada) \$18.00 (México), \$20.00 (rest of the world). **Non-IRCA/NRC members** – add \$2.00.

Sunrise/Sunset Maps (Domestic and World)

12 maps showing 15 minute sunset and sunrise times for the US and 12 maps showing hourly sunset and sunrise times for the World. Explanation includes use of the maps and examples of DX made possible by knowledge of SR/SS times.

Prices: **IRCA/NRC members** – \$2.25 (US), \$3.00 (Canada) \$3.50 (México), \$4.50 (rest of the world). **Non-IRCA members** – add \$1.00.

IRCA Foreign Log

The IRCA has published nine volumes of the **IRCA Foreign Log** which are still available. Each volume contains the several hundred actual tips that were reported to the DXWW sections during an entire year, compiled and retyped in a book format. In addition, special features include articles on foreign DXing (volumes 6, 7 and 8), utility lists (volumes 7 and 8), shortwave parallels (volume 8) and BCB propagation (volumes 6, 7 and 8). The **IRCA** still has printed volumes of 3, 4, 6, 7 and 8 of the **IRCA Foreign Log** available for \$2.50 each (overseas add \$3.00/book). Or, send an Email to phil_tekno@yahoo.com and I will forward searchable .pdf copies of 3-10.

To order from the IRCA, send the correct amount (in US funds payable to **Phil Bytheway**) to: **IRCA Bookstore, 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.



CLUB OFFICERS AND CONTACT INFORMATION

President: Bruce Portzer, 6546 19th Ave NE, Seattle WA 98115
 Email: portzerbt@gmail.com (all proposals, suggestions and gripes go here)

Secretary-Treasurer: Lynn Hollerman, PO Box 60241, Lafayette LA 70596
 Email: lynnhollerman@yahoo.com (dues, address changes, IRCA mailing list sign-ups)

Board of Directors: Phil Bytheway (chairman) – phil.bytheway@gmail.com, Dennis Gibson – wb6tnb@yahoo.com, Stephen S Howe – showe@albany.edu, John C Johnson – John_Johnson@prodigy.net, Patrick Martin – mwdxer@webtv.net, Mike Sanburn – mikesanburn@hotmail.com and Robert Wien – wienbob@aol.com

Publishing Committee: Temporary Editor-in-Chief: Phil Bytheway, 9705 Mary Ave NW, Seattle WA 98117-2334
 Email: DXM.EiC@gmail.com (all material for publication goes here)

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Worldwide \$5 (for the first year – ie a 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 Email service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

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