

DX MONITOR

THE OFFICIAL PUBLICATION OF THE IRCA INTERNATIONAL RADIO CLUB OF AMERICA

DEVOTED EXCLUSIVELY TO BROADCAST BAND DXING

February 11, 1989 - Volume 26, Number 20 - Edition 844 - ISSN 0899-9732 ✓

News From HQ

January wasn't one of my better months. I was out of town four days a week most of the month. Then when I had a full week in town, the post office misplaced the check for the postal permit, we had a major snowstorm (at least by local standards), and I pulled a muscle in my back. Under the circumstances, it's not surprising that the Canadian & foreign DXMs went out over a week late, we had two issues in a row dated January 21, and the second "January 21" issue went out 5 days late. Looking back, I'm actually a little surprised any DXMs got done at all, but we'll try to avoid such problems in the future. In any case, the second January 21 issue (the one with the rest of Vol 26 publishing schedule on the front) should have been Jan 28, Vol 26 No 19, & Issue 843.

Gary Larson says KBET-1220 in Canyon Country, CA will soon start testing. Karl Zuk and the Wall Street Journal 1/30 (via John Johnson) say WEVD and WUKQ have made their frequency swap, 1050 in New York now carries WEVD's Jewish-oriented format, WUKQ is now WSKQ-FM and still Spanish.

Robert Bennisson has a complete set of Popular Communications he would like to sell. If you have some idea what it is worth, or if you'd like to buy it, his address is 4918 Bear Way, Prescott, AZ 86301.

Ray Briem Tapes

Cassette copies of Ray Briem's 1/7 SW-DX spectacular are now available. The entire 3 hour program, recorded direct from satellite and condensed to remove commercials, is available on two 90 minute cassettes, complete with Stewart McKenzie, Steve Miller, Tom Kneitel, Larry Magne, & George Jacobs. Also included is a special documentary "NDXE: The Station that Wasn't". Send check or MO to Mike Pollock, PO Box 195, Syracuse NY 13210. Allow 2-4 weeks for delivery.

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No EDXF this week because no reports were received. No WDXF because Ric has the flu. No EDXR as of 2/6.

New Members

Welcome this week to:

Marsh McCord, Kent, WA (rejoin)
Bruno Lazzari, Costa Mesa, CA
Richard Gordon, Seattle, WA
Umea Kortvagskubb, Umea, Sweden

25th Anniversary

Don't forget to send in your forums, articles, and photos for the 25th anniversary issue. The deadline for the forums are noted in this week's columns. Deadlines for other material will be March 17. The anniversary issue will be March 25.

DX Gettogethers

The annual IRCA HQ gettogether will be held Saturday February 18, from 1 pm onward at the home of Bruce and Evelyn Portzer, 6546 19th Avenue NE, Seattle. Bring potluck junkfood and items for show and tell. We'll pass the hat for pizza at dinnertime. For more info call 206-522-2521.

Rob Harrington has planned a DX meeting in Denver for 2/19 at the Aurora Public Library on East Alameda at 1300-1430. For more information, contact him at 303-753-0720.



NANCY HARDY, EDITOR

WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

DEADLINES: MONDAYS

REPORTERS FOR THIS ISSUE:

- (BH) Bill Hardy-DX'ing on trip to Portland, OR
Delco truck radio
- (GL) Gary Larson-2806 Lincoln-Burbank, CA 91504
- (SMM) Steve Mittman-2248 West 37th Street-San Pedro, CA 90732
Realistic TRF #12-655; Kenwood KRC-939 AM stereo car receiver
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

- *****
- 1300 KAZN CA, Pasadena 1/18 0258 as KWKW came to an end on 1300 kHz (moving to 1330 kHz), inst. music began. 0300 legal ID "KAZN, Pasadena," then every minute thereafter an annc't. was made in Spanish telling listeners that KWKW had moved to 1330 & in EE "Radio Korea will be on the air 12 noon today. Sorry. See you then." The next day programming was on at 1400 tune-in. Off that evening, though. Sked. seems to be only on for a few hours each day; though they are expected to be fulltime at the end of the month. (SMM-CA)
 - 1330 KWKW CA, Los Angeles music suddenly popped on the air 1/18 0222 (not // 1300 kHz). First "legal" ID at 0231 "KWKW, Pasadena." A second later anncr returned to correct himself, "KWKW, Los Angeles - AM 1330!" Thus, officially; call change, ex-KFAC; freq. change, ex-1300, and city of license change, ex-Pasadena. Spanish format. (SMM-CA)
 - +1/23 0553 very good over KUPL with ID "K-W, La Mexicana." Haven't seen a trace of KAZN-1300 yet, apparently not on air yet. But, looks like KFAC-AM has moved to FM. Freq. change, ex-1300. (RW)
 - 1410 KBNP OR, Portland 1/20 1255 non-stop business news until 1315, no local ads, several national ads and promos for Business Radio Network. Legal ID 1300 was for 24-hour business news on "KBNP, Portland." Don't know whether their CP for 1000 watts night is on, supposedly from "Parkrose, Oregon" which I can't find anywhere! NRC says their night power without CP would be 7 watts! Ex-KKUL/KCNR/KPAM, most recently jazz. (BH-OR)
- *****
- 870 (KIEV) CA, Glendale 1/23 0310 noted off, nothing else heard. (GL-CA)
 - 1010 KXEG AZ, Tollsion various receptions after 0300 MM 1/9-Th 1/12 with relig & IDs. Strong stereo reception on car rx Tu 1/10 0400+ with tele-talk program. Unsure if show was local or syndicated, as I think I heard ment. of KPNW--but was not // KPNW-1120. Gave phone number 1-800-821-TALK. USA Radio News 0526. (SMM-CA)
 - KDJW TX, Amarillo Tu 1/10 occasionally poked through KXEG & unID SS QRM with C&W music. 0520 had "Amarillo weather," 4:20 TC, & ID. Haven't heard in nearly 10 years! (SMM-CA)
 - 1020 (KTNQ) CA, Los Angeles went off the air 0300 (local midnight) MM 1/9, Tu 1/10, Wed 1/11 & Th 1/12 Thought (hoped) it might be a new nightly SP, but, alas, was on AN Fr 1/13. Possibly off to repair damage caused by severe windstorms. SP's opened up 1010-1040 for me! (SMM-CA)
 - KCKN NM, Roswell various receptions after 0300 MM 1/9-Th 1/12 with xInt signal, even on car radio. Frequent IDs as "Your country giant--AM 1020, KCKN. Carried 100 "network" news called "Overdrive Trucking News" sponsored by "Overdrive Trucking Magazine." Ex-KBCQ for me, though is audible in tight KTNQ null. (SMM-CA)

- 1020 KDKA PA, Pittsburgh poor in KCKN null with "Best of King" MM 1/9 // KJDJ-1030. Not ID'd 1/9, but heard again Tu 1/10 with Larry King & "KDKA Radio 1020" IDs. Would occasionally pre-empt network ads for local weather & promos (as noted per // KJDJ). Note: Though I heard definite "KDKA" IDs, and King, am I mistaken about KDKA being the King affiliate, as TRH informs me that KYXE is only listed 1020 affiliate?! KYXE still needed here. KDKA not heard here for nearly 10 years! (SMM-CA)
- 1030 KJDJ CA, San Luis Obispo despite proximity, actually splashed by KCKN! Heard MM 1/9 with "Best of King" & ID at :30 as "1030 Newsradio," into ABC News. Heard again Tu 1/10 0410 with Talknet & occ. "1030 Newsradio" IDs. ABC News at :30. Finally ID'd 0500 "1030 Newsradio, KJDJ, San Luis Obispo. It's 2:00." Into NBC News (so affiliated with both nets). Into King // KDKA-1020. (SMM-CA)
- 1030 KCTA TX, Corpus Christi MM 1/9 0630 blip ID "KCTA, Corpus Christi" popped out of mess! Nothing else heard! A total surprise! New. (SMM-CA)
- 1040 CKXY BC, Vancouver various receptions MM 1/9-Th 1/12 0300+. Overall very strong signal, though subject to fading & some QRM from weaker WHO & XEHEF-Chihuahua. Tu 1/10 heard on car rx, momentarily strong enough for stereo reception! First Canadian station in stereo for me! IDs were slogans "1040 Kick" & "Vancouver's Music Power." Contest "Win \$100." Format CHR/dance & New Wave. New!! (SMM-CA)
- 1300 KPMO CA, Mendocino 1/23 0900 poor over mess at s/on, so apparently this station isn't silent as had been reported in past. (RW-CA)
 KWKW CA, Pasadena 1/18 as the freq. change neared, there was much talking & celebrating (in Spanish, of course!). Format "left the air" at 0258, marking the end of KWKW on 1300 kHz. At that point, however, automated inst. music immedi'ly took over. (SMM)
- 1330 KMRR AZ, Tucson Tu 1/17 2202-Wed 1/18 0222 dominant signal here during 4½ hour local 1330 SP. Format was satellite-delivered Big Bands/MYL-type music // KGMG-1320 Oceanside, CA. Thought at first I was getting splash from semi-local KGMG; though, actually, there was no splash. Funny to hear both stations // with each giving their own IDs at the same time! Ex-KHYY for me. (SMM-CA)
- KFAC CA, Los Angeles Tu 1/17 this was the end of KFAC-AM. In perhaps a final bit of nostalgia, not just the usual once--but twice--the AM was acknowledged with legal IDs at 2158 & 2200. There was a brief pause, then the FM continued with music, and the AM had their final s/off annet. with station history, virtually all their audience had shifted to FM, and the AM was sold to KWKW-La Mexicana. Then, "With this broadcast, we conclude operation of KFAC-AM, which has served Southern California listeners since 1931. At 1330 on your dial, this is KFAC, Los Angeles." (SMM-CA)
- (----) CA, Los Angeles freq. was completely vacant for almost 4½ hours between ownerships of KFAC & KWKW. KFAC went off the air Tu 1/17 2201:30. KWKW suddenly popped on the air with music Wed 1/18 0222 (see Special Interest). (SMM-CA)
- KGAK NM, Gallup pushed through KMRR during local 1330 SP with ID Wed. 1/18 0100 "Okay, open phone '89 is on the line. Twenty-two of them right now. This is KGAK, 1330 AM, in downtown Gallup at 11:00." Into network news. (SMM-CA)

UNID

- 1460 1/23 0530 unID way under KMWX/KENO/KTYM looping ENE. UnID talk show, sounded like King or Talknet, way too weak to tell. Only WCMB-PA listed as possible Talknet affiliate, only King affiliate was WBNS-OH, but they've dropped that and are now C&W per '88 Broadcasting Year-book, was listed in '85 Almanac as on King network. Other ideas? (RW)

Happy Valentine's Day!
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# DX WORLDWIDE EAST

EDITOR: JIM HALL #240 BYRON ROAD # PITTSBURGH,  
PENNSYLVANIA 15237-4015 U.S.A.

Quite a nice turnout this week with several reports received. Good to hear from many of you including Bill Harms in Bavaria with the final word on the ex-Monaco 1467 TWR outlet which is widely heard. Still some fair conditions every so often; but the band feels like it's open enough that when an aurora of substantial proportions occurs we'll certainly encounter some fine Latin DX. A phone call from George Hakiel on Long Island in New York state 1/28 with some interesting items. Some of George's recent DX includes: Senegal nightly on 765, HJVV R. Punto in Zulia, Colombia (nominal 980) high on 981 kHz, 985-0BX4J Estacion X, Lima, Peru, 990-YVRT Caracas, Ven., 1000-YVNM Mundial Mil in Moron, Ven., also on 1000 was HJAQ-Cartagena, Colombia, a nice logging and on RCN network per new 1989 WRTH. Going on George lists: 1220-HJAT R. Reloj, Barranquilla, Colombia, on 1170 was HJNW in Cartagena w/CARACOL, 1070-YVMA Mundial Zulia in Maracaibo, Venezuela, on 1150 YVMM-Mundial Caribe in Punto Fijo (which was new for me too last week), and a good one on 1020 with Radio Ritmo in Panama City, Pan. Central America. Included also were YVTI-1360 Catatumbo Internacional, Maracaibo, Venezuela, which by the way has been heard here in PA several times (and has wide coverage as it's been heard in Hawaii too), and some tentatives in 745-HCSE4 Chone, Ecuador (R. Libertad w/variable freq.) (I have been getting a carrier and bits of SS audio at times there but as for the ID, audio level is still too weak with domestic even frequency slop), French on 1090 which George reports he hears often and believes it's Martinique, and also he's been getting Spanish on a seemingly new split or drift on 1255 kHz, which is presumably a Latin. Perhaps Honduras, George? I've seen one reported thereabouts, but not recently. Finally to boot George reported an amazing item -- sure, many of us have heard with ease the likely  $\frac{1}{2}$ -million or so watt Cuban Radio Taino on 830, but 1/29 he was able to hear them on 830 all day. At over 1200-miles distant this is evidence of the ridiculously high power the transmitter is using, but is still impressive as even the Rebelde shortwaves outlet on 5025 is not heard by day this far north. Welcome aboard to new member and reporter Dave Johnson of Gainesville, Florida. Dave, please send your foreign reports direct to the DXWW-E address on the herald at top, and just follow the format you see here in the column. We'll be looking forward to hearing from you often, as well as this week's other reporters and readers. On with loggings for the week:

## TRANS-ATLANTIC DX (Connelly-MA) unless noted

- 162 FRANCE, Allouis 0533 1/22 : Fr w/man in FF.
- 531 ALGERIA, Ain Beida 0236 1/22 : Excellent (like local) w/male AA chant.
- 549 ALGERIA, Oran/Les Trembles 0324 1/22 : AA chanting getting by CFNB/YVKE-550.
- 891 ALGERIA, Algiers 0354 1/22 : AA female vocal loud - killing 890 stations.
- 1098 t CANARY ISLANDS, 0451 1/22 : Carrier w/possible SS talk hetting ZDK-1100 during low-latitude opening. (Knowing Mark's reporting over the years he would have reported more of the higher latitude TA's if they were audible, but note their absence during conditions (esp. around 1/22) that favored more southerly stations although the #'s from WWV didn't necessarily correspond with actual auroral cx. ed)
- 1593 WEST GERMANY, Langenberg WDR 0443 1/22 : Woman in GG, fair.

## PAN-AMERICAN DX

- 540 t VENEZUELA, Villa del Rosario YVOV 0235 1/22 : SS sports event w/frequent Venezuela mentions; atop EE oldies station (CBT?). (Connelly-MA)
- MEXICO, San Luis Potosi XEWA 0554 1/19 : SID, SS pops. (bp-IA)
- 550 VENEZUELA, Caracas YVKE 0529 1/22 : "Mundial" ID briefly o/CFNB. (Connelly-MA)
- 555 ST. KITTS, Basseterre ZIZ 0313 1/22 : Mellow soul mx; in WGAN slop. (Connelly)
- 570 MEXICO, Monterrey XEJB 0620 1/19 : Good o/WNAX w/'JB" ("Hota Beh") ID. (bp-IA) (Bruce, isn't this XEJB? ed)
- 580 unID's, 0555 1/19 : 2 SS stn's in briefly, then lost to domestics. (bp-IA)
- 590 CUBA, 0634 12/20 : R. Reloj //1100 in SS, ok copy. (Johnson-FL)
- unID, 0133 12/19 : Time sig. "ticks" and Spanish talk. (Johnson-FL) (None other than the Cuban Radio Reloj with continuous time broadcast w/SS nx and TC's. ed)
- 600 CUBA, Urbano Noris CMKV 0310 1/22 : Loud w/Cuban sports in SS //670/620/710 et al. (Connelly-MA)
- +0013 12/31 : R. Rebelde //620 strong w/SS. 620 faded around 0022. (Johnson-FL)
- t COLOMBIA, HJHJ Barranquilla 0526 1/22 : Colombian accordion mx, apparant Radio Sutatenza network ID; u/stronger Cuban. (Connelly-MA)

- 620 CUBA, Colon CMDA 0226 1/22 : //670; SS sports - Camaguey, Guantanamo mentioned. o/WZON/Antigua/others. (Connelly-MA)  
+0130 12/19 : Rebelde w/rough copy/somewhat weak. (Johnson-FL)
- 630 unID, 0557 1/19 : SS very strong - tuned back in a few minutes later & had a Christian pgm in EE, likely the same stn & prob. a domestic. (bp-IA) (KSLR run any SS rign here? ed)  
PUERTO RICO, San Juan WQBS 0309 1/22 : SS news w/several San Juan items; o/WPRO. (Connelly-MA)
- 640 CUBA, Guanabacoa/Pilon 0305 1/22 : //660 & others - pop mx including UK/US hits, "R. Progreso" ID, shouted out slogan "Ritmo!". Atop mess. (Connelly-MA)  
GUADELOUPE, Arnouville 0220 1/22 : Man in FF o/u disco station (prob. YV); strongly hetted by 639 TA (Spain?) and by an off-channel LA on approx. 640.2 . Also 0521 w/woman in FF; o/Cuba. (Connelly-MA) (Nice logging, Mark. ed)
- 650 DOMINICAN REPUBLIC, Santo Domingo HIAT 0406 1/28 : Relaxing theme mx w/vocals by woman, lively SSLA mx to xlt levels, "Universal" ID by man, lively fmt. (Hall-PIT)
- 660 CUBA, Santa Clara CMEB 0306 1/22 : Rock mx, R. Progreso pgm. //640; really doing a job on WFAN. (Connelly-MA)
- 670 CUBA, Arroyo Arenas CHBC 0216 1/22 : //710; SS sports, Camaguey team mentioned. Atop second SS (probably YVLL). (Connelly-MA)  
+0601 1/19 : "R. Rebelde" ID by w way o/WMAQ, then guitar mx. (bp-IA)
- 690 CUBA, 0600 1/28 : Usual Progreso pgm w/many //s audible, "La Onda de la Alegria". (Hall-PIT)  
ANGUILLA, The Valley 0211 1/22 : Barely atop mess w/EE preaching //1610. (Con-MA)  
+0119 1/27 : U/Progreso Cuban w/sacred mx/vocals, EE Carib. man, "Caribbean Beacon" ID //1610. Rarely in around here. (Hall-PIT)  
COLOMBIA, HJGZ Bogota 0332 1/29 : "diez triente dos minutos" TC, "CARACOL" ID, fr-gd w/Cuban QRM. (Hall-PIT)
- 700 JAMAICA, Montego Bay 0252 1/22 : Excellent (o/others) w/accented interview w/local reggae performer, much talk about Bob Marley (Now deceased but a reggae great, still survived by reggae performer Ziggy Marlee - was this the interviewee? ed). Pgm was //750-Port Maria. (Connelly-MA)
- 705 ST. VINCENT, Kingstown 0130 1/27 : Fr-pr w/low mod. level here, thick Carib-EE man broke stop every few min. (Hall-PIT)
- 710 CUBA, Santa Clara/Camaguey 0215 1/22 : Atop SSLA's/WOR; SS sports //670. (Connelly)
- 720 VENEZUELA, Parlamar YVQL 0205 1/22 : SS talk w/crowd noises (sports or political meeting?), ad w/job openings listed for positions in Caracas, Barquisimeto, & other Venezuelan cities. (Connelly-MA)
- 730 CUBA, CMOB La Fe, I.J. 0521 1/27 : //Progreso net stn's, not often hrd here due to Mexican and Costa Rican QRM, occ Colombian or Dominican Republic but not often. (Hall)  
MEXICO, XEX 0523 1/19 : Thundering in w/"La X" SID, ads, TC. (bp-IA)
- 740 CUBA, Camaguey 0645 1/2 : Poor signal w/"R. Progreso" & rooster crowing. CBC stn. was off, & this was // w/640 kHz. (Wyllie-MA)  
+Camaguey/Pinar del Rio 0520 1/22 : Progreso outlet w/SS & EE pop hits //640/810/820. (Connelly-MA)
- 750 JAMAICA, Port Maria 0254 1/22 : Reggae band interview //700. 750 Jamaican was o/u presumed YV; no WSB. (Connelly-MA)
- 760 CUBA, 0243 1/22 : R. Reloj pgm way o/ YV & HJ; no evidence of WJR. (Connelly-MA)  
COLOMBIA, HJAJ Barranquilla 0259 1/22 : "RCN" network ID popped up briefly o/the Reloj Cuban. (Connelly-MA)  
VENEZUELA, Puerto la Cruz YVQQ 0514 1/22 : "Q - Puerto la Cruz" ID briefly o/Cuba/HJAJ. (Connelly-MA)
- 770 MEXICO, unID 0530-0550+ 1/19 : Fr-strong SS here w/ranchera mx & "Radio Montana" ID's way o/domestics. Tuned back in 0604 & hrd vocal Mexican NA, then went back into regular programming (similar to 24-hour US stn's who play our NA @midnight I guess). Anyone know call & location? (bp-IA) (Bruce, no calls available yet but this is the new Monterrey "La Regiomontana" for 770. ed)  
VENEZUELA, Valencia YVKK 0157 1/22 : o/other SS LA's & WABC; Banco Venezolano ad, Valencia mentions. (Connelly-MA)
- 780 VENEZUELA, San Cristobal YVOD 0153 1/22 : Dominant w/SS talk //4980. (Connelly-MA)  
COLOMBIA, HJZW Riohacha 0155 1/27 : Gd w/Colom. SS ballads, fem. SS anc w/some relaxing talk & "Radio Almirante" sign, some Ven. //shortwaves present. (Hall-PIT)
- 800 NETHERLANDS ANTILLES, Bonaire PJB 0429 12/24 : Good copy, extremely strong sig's, parallel on 930 kHz. (Johnson-FL) (Dave - do you know who was paralleling on 930?ed)  
+PJB 0149 1/22 : SS rigns. program; pinning S-meter. (Connelly-MA)
- 810 CUBA, Camaguey CMHB 0500 1/22 : "R. Progreso" ID, (//820); badly chewing up WGY even without phasing. (Connelly-MA)
- 815 unID, LA carrier 0319 1/28 & 0327 1/29 : Definatly an LA here, possibly South American, but who?? (Hall-PIT)

- 820 CUBA, 0458 1/22 : Dominant w/'R. Progreso' ID, soft SS ballad (w/Parisian-style accordion accompaniment); //810. (Connelly-MA)
- COLOMBIA, HJED Cali 0334 1/28 - 0335 1/29 & 0401 1/29 : Each eve was fr u/HJAD outlet, bad hets on chan. & Cuban QRM. 1/29 at 0401 after HJAD s/off was good, w/ "CARACOL" ID's/nx //4755/1100, still v. gd 0525 w/pips to 0530. (Hall-PIT)
- 820.15a COLOMBIA, HJAD Cartagena 0334 1/28 - 0340 1/29+ : Each eve w/QRM from other HJ & Cuban, chan. a horrendous mess w/deep het created by this stn. above 820's (this Colombian has been noted high on 820's for several years on different occasions), had SSLA mx/tropical mx, numerous TODELAR chime sets noted 1/28 (first three notes begin like the old NBC chimes, or like the first three notes of the Radio Habana, Cuba interval signal on shortwaves), s/off each eve (UTC morn) @0358a w/Colombian anthem (w/marching band), possibly leaves OC for awhile. "Circuito Todelar de Colombia". Also 1/28 was QRMed also by xmtr noise from loud Belizian spurious signal around 825a. Also, seems to have changed slogan (sds/ik R. ???ia) but still adds "Bolivar de Colombia" apparently. (Hall-PIT)
- 825 ST. KITTS, Basseterre 0116 1/22 : R. Paradise like a local w/southern US preacher. (Connelly-MA)
- 830 CUBA, 0404 12/31 : R. Taino booming in strong, SS mx, fem. anc'r said in EE'Happy New Year, the best to you and yours in 1989'. Also 0443-0458 s/off on 1/4, was on all freq's this night (830/1040/1160), strong on both 830/1040, poor on 1160. First time I ever hrd them s/off, no location or power given. (Wyllie-MA)
- +2352 1/28 : As suspected, using the enormous xmtr power here (//1040/1160/710 & many Cuban freq's this eve) for national tirade, LOUD as ever. (Hall-PIT)
- +0004 12/19 : "Radio Taino, under the sunset", strong sig's. (Johnson-FL)
- VENEZUELA, San Antonio de los Altos YVLU 0115 1/22 : Local ad's, "Sensacion" ID; good. Also 0335 1/22 w/fast SS mx, "Sensacion" ID's, numerous 2-tone doorbells, Caracas mentions; superloud. (Connelly-MA)
- 870 COLOMBIA, Barranquilla HJSB 0109 1/22 : Accordion mx, "CARACOL" network ID, "Mar Caribe" ID; atop others / low-pitched growl. (Connelly-MA) (This clears up my tentative of HJLA lbaque of last issue which is still the only listed Caracol net stn. listed in the '89 WRTH - it was 99% likely to have been HJSB as commonly heard here. By the way, the '89 lists slogan as R. Alegre which is incorrect. ed)
- +0506 1/28 : HJSB apparently on late (norm. s/off 0500) to cover a soccer game, and got the net/local ID "CARACOL Colombiana -- Mar Caribe en Barranquilla". (Hall-PIT)
- 885 MONTSERAI, Plymouth 0532 1/22 : ZJB presumed here running strong OC after conclusion of the day's normal broadcasting. (Connelly-MA) (I've noted a presumed OC here a few times too, Mark. ed)
- 890 unID, 0503 1/22 : Announcer said "...buenas noches", march (anthem) followed, then carrier off (leaving a graveyard-like jumble). The signal was strong; regrettably I didn't tape the anthem for subsequent ID. (Connelly-MA) (The Colombians are listed 24-hour here; YVLW's listed s/off is 0400; Cubans too presumably s/off @0400 & the Mexican XEQJ I reported last week is listed 24-hour. An outside chance is the Peruvian 10kW OAXID Piura - did you recognize any of the anthem? Also, there's a 1kW Ecuadoran listed for 0500 close, but that one is unlikely I'd presume. ed)
- CUBA, Santa Clara/Santiago de Cuba (CMBF) 0456 1/28 : 1p Cuban w/'Musical Nacional" pgm (opera/cultural) fr-pr but SS opera/fem. anc'r (also m host from time to time), some Colon. QRM. (Hall-PIT) (Having just gotten this one from my log I see that this is on past listed s/off, so possibly this was Mark's unID? ed)
- 895 NEVIS, 0105 1/22 : Loud w/'V-0-N" ID mentioning Nevis, then reggae-funk version of Simon & Garfunkel's "Cecilia". (Connelly-MA)
- 910 unID, 0420 12/31 : Fast SS mx - might be CMHL R. Cadena Agramonle?? Not sure (too much QRM). (Wyllie-MA)
- 940 CUBA, Colon 0708 1/2 : R. Reloj time ticks, nx, code "RRR" ID. Fr signal, much interference from another SS w/ - other stn too weak. (Wyllie-MA)
- 970 MEXICO, Ciudad Juarez XEJ 0610 1/19 : Strong w/'XEJ R. Mexicana' & 'R. Mexicana es musica ranchera' ID's. Was way o/unID SS w/tropical mx & 'La Voz de la ...' mention. (bp-IA)
- 1050 MEXICO, XEG Monterrey 0614 1/19 : Quite good through local WHO splat w/ranchera mx. (bp-IA)
- 1100 ANTIGUA, St. John's ZDK 0436 1/22 : Gd w/reggae & rap mx; mixed w/2 SS LA's. (Connelly-MA)
- 1165 ANTIGUA & BARBUDA, St. John's Antigua 0133 1/27 : LOUD in slop w/some style of Carib.-rllgs-sounding mx. (Hall-PIT)
- 1260 CUBA? 0442 1/6 : SS, mentions Cuba a lot, sds/1k 'R. Lase Unes'? or 'R. Juarez!'. (Johnson-FL)
- 1310 CUBA, La Fe I.J. 0453 1/6 : Fading, fairly strong sig's at times, 'R. Caribe'. (Johnson-FL)
- 1440 t DOMINICAN REPUBLIC, 2317 12/18 : 'R. San Juan, San Juan de la Maguana' - I think this was what was said - weak sig's. (Johnson-FL) (Sds/1k them. ed)



- 1505 ANGUILLA, The Valley 0038 1/27 : Unbelievable signal at 1kW - rarely hrd at such a level. Had EE rigs pgm w/m pastor, "R. Anguilla" very readable at times. (Hall) +Also was v. gd. at 0152 1/27 w/Caribbean reggae mx. (Hall-PIT)
- 1510 DOMINICAN REPUBLIC, HIBL Santo Domingo 0046 1/27 : A new one & suprise here as freq. is difficult for any LA's here. Extremely lively merengue/Dominican pop SS vocals, 0054 w/call-in, m dj w/"R. Pueblo" ID's, ment's "en Sto. Domingo, Republica Dominicana..." . (Hall-PIT)
- 1520 COLOMBIA, HJLQ Barranquilla 0054 1/27 : Echoed "R. Minuto" ID by "sweet" sounding w, briefly well o/WKKB. Also ending a religious (:SS) program at 0558 1/27 w/sln and "HJLQ" ID, fr on fades o/WKKB/WO1. (Hall-PIT)
- 1535 unID, 0330 1/28 : Carrier on Bev's - LA? Just a l.powered HC listed. (Hall-PIT)
- 1570 TURKS & CAICOS, 2382 1/6 : The Atlantic Beacon w/"Total Christian Radio", good copy, VERY strong. (Johnson-FL)
- 1580 ANTIGUA, St. John's VOA Relay 0104 1/27 : Washington's news pushed to the Caribbean, mixing w/YV below. Fr at times. (Hall-PIT)
- VENEZUELA, Cumana YVTK 0130 1/27 : Ref's to "en Cumana" by man, "R. Manzanares" ID, dominant o/mess w/some VOA QRM. Note that '89 WRTH calls are YVTK. (Hall-PIT)
- 1610 ANGUILLA, The Valley 0212 1/22 : Caribbean Beacon solid w/preaching in EE; unID second signal way under (not sure what it could be - maybe a domestic TIS stn?). (Connelly-MA) (Isn't there a Maine TIS that's hrd around there occ? Ed)

NOTE \*\*Per a note from Bill Harms, he received some information from TWR (Trans World R.) regarding the 1467 kHz (TA) station which is widely DXed in the US et al. Per Leslie Pettinger(?), the up to date xmtr locations are in France proper, near Monaco, specifically Roumoules & Mount Agel. The new location is 100+ kilometers away from Monaco in France. Formerly this was in Monaco (Monte Carlo), but was moved and now makes actual Monaco a much rarer country to DX. The copies Bill enclosed showed 1467 kHz as both 1000kW at Roumoules and 1200kW at Mount Agel. Perhaps one is daytime and one night facilities? WRTH also has corrected the listing to France proper, so NO MORE MONACO on 1467. Please correct your listings to France. Thankyou for the information, Bill, andit's good to have your name back in the DXWV-E - please report again soon, and keep us posted on the item you mentioned. JH

#### CREDITS:

- (Connelly-MA) Mark Connelly, WA1ION, 7 Trowbridge Path, West Yarmouth, Cape Cod, Mass. (Sony ICF-2010, Kenwood R-600, 2 37-m. wires w/prototype phasers and tuners) 02673
- (Hakiel-NY) George Hakiel, 739 Van Buren Ave., West Islip, New York 11795 (phone tips)
- (Harms) Bill Harms, Europe (information)
- (Wyllie-MA) William Wyllie, 95 Peck Street, Franklin, Massachusetts 02038-2217 (Realistic Modulaire 2200 w/internal antenna)
- (Johnson-FL) Dave Johnson, P.O. B. 389, Gainesville, Florida 32611 (Kenwood TS440S w/wire) \*\*WELCOME, DAVE\*\* 21 DEC-24 DEC loggings from temporary set-up in Vero Beach, FL, others from home QTH
- (bp-IA) Bruce Portzer, 6546 19th Avenue N.E., Seattle, Washington 98115 (DXing in Des Moines, Iowa w/Sony SRF M40W)
- (Hall-PIT) James R. Hall, 240 Byron Road, Pittsburgh, Pennsylvania 15237-4015 (several receivers and various ant's incl. Bev's)

### THE 1989 MEMBERSHIP DRIVE

*You can help the IRCA grow during 1989 by sending us names of prospective members or by talking your friends into joining IRCA. Best of all, you will receive a year's free membership if you are credited with four or more new members.*

*The new members can be persons you talk into joining, people to whom you give a gift membership, or people you know of who are interested in broadcast band DXing. Send us a list of potential members and we will send them an info packet on IRCA with a sample DX Monitor. If they join you'll get credit. The new members must be persons who have't been in IRCA for at least a year and must join before September 1, 1989. If a person joins as a trial member or something less than a full year, it counts as half a new member.*

*Send some names today and watch us grow. You may get next year's membership for free.*

# DX Worldwide - West



PAT MARTIN  
P.O. BOX 843  
SEASIDE, OR 97138

Time: UTC phone (503) 861-3185 DEADLINE: TUESDAYS

Randy Tomer saved the day this week with a report. WOW! Two columns in a row. Hopefully conditions will improve in time. Well here we go:

## TRANS-PACIFIC DX ROUNDUP

- 648 U.S.S.R., Vladivostok-1/4 at 1459, w/Midnight in Moscow, interval signal. (RT-CA)  
UNID, Samoa? Polynesian sounding music and talk strong signal at Sunrise and E-W Wire. WVUV likely. (RT-CA) (Yep, it sounds like them. Have heard them fairly often at times here. PM)
- 657 P.R. KOREA, Kangnam-1/4 at 1455 .Fair signals w/Orch. mx.then heard w/Exc. signal w/KK talk at 1520 on 1/10. (RT-CA)
- 720 HAWAII, Eleele-KUAI-1/9 at 0830 good w/Hawaiian mx, KDWN off the air. Dedications also.. Also on 1/16 at 0700 full ID u/KDWN and Hawaiian mx. (RT-CA)
- 830 HAWAII, Honolulu-KIKI-1/16 at 0815 KIKI ID "Oldies Channel" Slogan, 20 o/S9 signal. (RT-CA)
- 837 UNID, 1/22 at 1205 weak EE Language news on N/S wire, (RT-CA) (Poss. Aussie or NZ. PM)
- 1566 REPUBLIC OF KOREA, Cheju-HLAZ Assumed good signal slow chant in Unid Language 1/24 at 1515. (RT-CA)
- 1575 THAILAND, VOA-1/24 at 1515 Assumed good signal, slow EE Talk by Asian Woman. (RT-CA) (Nice to see this reported again. This has been quite rare this season. PM)  
UNID, 1/24 at 1515, weak EE talk by man u/VOA Best on N/S wire. (RT-CA) (Aussie maybe. PM)

## THANKS TO THIS REPORTER:

RT-CA RANDY TOMER-50 THISTLE RIDGE-EUREKA, CALIFORNIA 95501  
SPR-4, Collins R-390A, 300' LW N and 300' LW E

via Steve Mittman

**R.N.I. 1620**  
Radio Newyork International

This card will VERIFY the reception of R.N.I.-1620  
By Karl V. Jeter of Stone Mountain, GA on:

Date: October 15, 1988

Time: 9:50 - 10:45 PM EDT

(Reception occurred near Roaoke, Alabama)

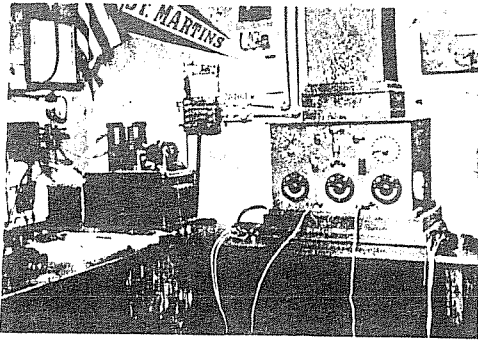
Signed: Alan H. Warner

International Waters <sup>RNI</sup>

Los Angeles Times

Wednesday, January 18, 1989

"Stay tuned" has a new meaning to a 19-year-old late-night disc jockey in Iowa City, Iowa. When Daryl Berryhill stepped outside to get a snack from his car about 2:40 a.m. Monday, the station door locked behind him. The last song ended... followed by 45 minutes of silence... Berryhill broke glass in a back door and pried open a security cage, but was unable to open a second set of doors leading to the studio. Deputy sheriffs finally arrived to assist in the re-entry.



Early day pictures of KGY Radio Station KGY (now operating on 1240 in Olympia Washington). From a book on the history of the area via Ric Heald

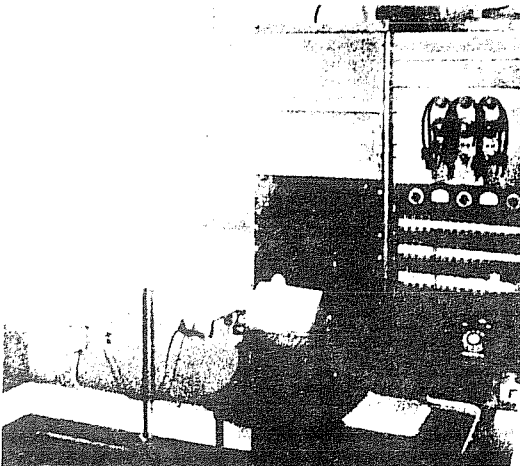


Father Sebastian Ruth at St. Martin's was pioneering radio on the college campus while it was expanding.

Father Sebastian received his first license in 1914 and received his call letters of "7YS" in 1916. He broadcast as a telegraph station from St. Martin's with his transmitter of five watts until 1921. In the summer of 1921, he began experiments in voice transmission, joining a few other early radio pioneers. St. Martin's College photo

By January 1922 area listeners could look forward to regular programming on Sunday, Tuesday, and Friday evenings from a small wireless shack on the campus. In April 1922, Father Sebastian was issued "KGY" call numbers; his was only the 110th station in the United States.

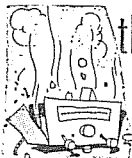
Father Sebastian brought a wide variety of programming, ranging from opera to live performances, to his little station at St. Martin's. The station was sold to commercial interests in 1932 but Father Sebastian continued his amateur radio broadcasting until his death in 1958. He was honored as one of the pioneers in northwest radio. St. Martin's College photo



After KGY moved from the log cabin on St. Martin's campus to the Captial Park Building in 1932, the station was owned by Archie Taft who also owned KOL in Seattle.

In 1939 the station was purchased by Tom Olsen who in 1941 moved KGY to the Rockway-Leland Building at State and Washington streets. Specially designed, acoustically perfect studios housed the station with a 150 foot-tall tower on the roof of the building.

The station brought a number of live broadcasts, remote presentations, and local talent to its listeners from the studios. KGY Radio photo



The following is an article John Bryant and I wrote for Proceedings 1988, a publication of fine tuning, which was reviewed in the Dec 24, 1988 DX Monitor. The article is used with John's permission, not to mention encouragement. For information regarding Proceedings 1989, contact John at RR#5, Box 14, Stillwater, OK 74074.

## IMPEDANCE MATCHING A BEVERAGE ANTENNA TO A RECEIVER

NICHOLAS HALL-PATCH AND JOHN H. BRYANT

BRYANT:

Ever since I first read of Beverage antennas and their almost magical attributes, I have lusted after a Beverage. Every time that failing propagation caused an elusive catch to disappear unlogged, I would swear to construct a Beverage "next weekend." Although I read every technical article ever published in English on Beverages, "next weekend" never arrived. Finally, in 1986, I happened to be in Edmonton, Alberta and arranged to spend an afternoon with Don Moman, Executive Secretary of CIDX and certainly one of the more experienced Beveragers in North America. Don patiently answered my numerous "practical" Beverage question and stiffened my backbone. The winter of 1986-87 was spent planning a DXpedition with fellow FTers Allen and Sams and in acquiring 2000' of wire plus assorted accessories. In the early spring of 1987, the expedition was ON! We planned to go about 30 miles out on the true prairie in western Oklahoma...at least 5 miles from the nearest man-made electricity, and give the thing a weekend trial. Calmer heads suggested that we string the Beverage up first at my semi-rural home to "make sure that we had all the kinks out" before going out 15 miles past the last flush toilet to stay for the weekend. We decided to test everything, including running the business end of the Beverage to my van and operating our radios on 12 volts.

The trial date arrived; after two hours of huffing and puffing, the Beverage was up and the moment had arrived to introduce the end of the wire to the back of my NRD-525! The NRD folks were even nice enough to provide two antenna ports, one for coax and one for wire antennas. As I hooked it up, I noticed the wire antenna port was labeled "High Z" (!!!!!).

As it turned out, even though the Beverage ran under two power lines (at about right angles), the directional and other special characteristics of the antenna allowed it to ignore all that potential noise; it proved to be an almost totally quiet antenna. Very quickly, we decided not to leave the flush toilets, refrigerator or the water bed behind to DX in a cow pasture. We had the DXpedition in my back yard!

The Beverage was everything I'd been led to believe. Our first night, we hit very fortunate propagation and logged both Europe and Japan (with multiple loggings) ON MEDIUM WAVE. Further, every band below 4 MHz was alive with superb DX! Later, I learned that if we'd been less greedy and only put up 1200', the Beverage would have worked for us up to at least 5.5 MHz! Well, when the DXpedition was over, I was not about to go back to my 'old' antennas and give up that Beverage. THAT'S WHEN THE WORDS ON THE BACK OF THE NRD "HIGH - Z" HIT ME BETWEEN THE EYES. All the reading came flooding back... "Z" means "impedance" and Beverages have characteristic impedances of from 300 to 700 ohms. The unfortunate part was that the nearest point to the shack that I could bring the Beverage -- in a straight line -- was over 70' from the shack. If I ran a bare wire lead-in (at about 90° to the Beverage) to the Shack, the directional characteristics of the Beverage would be badly compromised. If I ran a 400-700 ohm antenna through 50 ohm coax, I didn't know what would happen, but the words IMPEDANCE MISMATCH kept running through my mind. On the other hand, converting one of the two family cars into a semi-permanent DX shack in the backyard was causing major QRN at the dinner table... What to do?? What to do??

I called several technically proficient friends and they said - "No sweat, the Beverage has plenty of gain -- use coax, come in out of the truck, its OK!" I tried that and it was nice to be inside, but now the Beverage seemed to perform as "just another wire antenna", particularly on weak signals. I was sure that I was suffering significant losses due to poor matching. I knew that Beverages were one of the most popular antennas for medium wave DXers and I knew that Nick Hall-Patch, Technical Editor for the medium wave Club IRCA, was technically astute and that he was a shameless Beverager. I contacted Nick and he solved the mismatch problem in a flash...thereby saving the Beverage and probably the marriage. He performed this miracle by introducing me to matching transformers constructed using toroidal shapes made from ferrite (sorta like iron Life Savers).

Looking back over this whole experience I realized that I DID NOT REALLY KNOW WHAT IMPEDANCE WAS!, even though I'd been in and around this hobby for over 35 years. Further, I realized that other DXers might well make the mistake which I did: running a high Z antenna through 50 ohm coax and thus losing a substantial amount of gain. So, I imposed upon Nick once again and asked him to write up what we had done and to begin his article with an explanation of Impedance that even I could understand. I'm pleased to say that he has done so. Nick take it away.....

**HALL-PATCH:  
IMPEDANCE**

"Impedance" is one of those mysterious electronic terms which I'll attempt to define before we proceed to the body of this discussion. The term "impedance" is obviously derived from the verb "to impede" and impedance is a quality which impedes the flow of electric current. A more common and accessible term is "resistance" which is also a quality which impedes the flow of electric current, and in doing so converts electrical energy into another form of energy (heat, mechanical or whatever). Resistance has a similar effect on electric current whether the current is AC or DC.

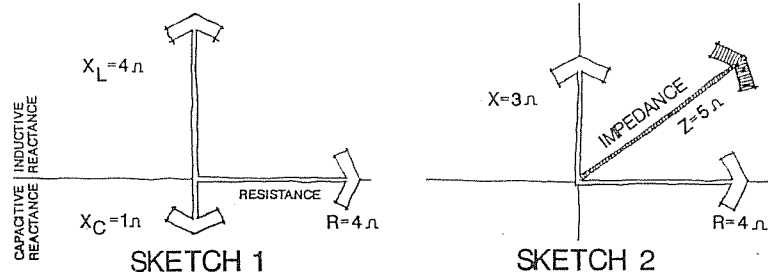
However, when we are speaking of AC, more than simple resistance can impede the flow of electric current. An AC electric motor often has negligible DC resistance — a couple of ohms. If resistance of such a motor winding was all that impeded the flow of current, by Ohm's Law ( $I=E/R$ ), it would pass a current of 30 or 40 amps. But it doesn't. It can be more like one or two amps. The inductance of the motor's winding also impedes the passage of AC by a quality known as inductive reactance (this reactance will also initially impede direct current (DC) but we won't go into that).

Inductive reactance is also measured in ohms like resistance is, but is dependant on the frequency of the applied AC:  $X_L = 2\pi fL$  where  $X_L$  is inductive reactance,  $f$  is frequency in Hertz, and  $L$  in inductance in henries. Virtually no current would flow in our electric motor if RF type AC were applied to it, as its reactance would be so high. Inductive reactance impedes the flow of current, but it does not convert electrical energy to other forms of energy as resistance does; it simply stores the energy.

Another form of reactance is capacitive reactance, which is also measured in ohms and is frequency dependant:  $X_C = \frac{1}{2\pi f C}$  where  $X_C$  is capacitive

reactance in ohms,  $f$  is frequency in Hertz, and  $C$  is capacitance in Farads, but in this case, increasing the frequency of applied AC lowers capacitive reactance.  $X_C$  is usually denoted as a negative value, because capacitive reactance can cancel out inductive reactance when they're in series; this is the basis of tuned circuits. Capacitive reactance also impedes current flow, but stores electric energy rather than dissipating it in non-electrical energy.

So what is impedance then? It is the combination of capacitive and inductive reactance along with simple resistance in a circuit. Although these three qualities are all measured in ohms, they are not the same thing, and cannot simply be added together. Their common quality is that they impede the flow of alternating current, including AC at radio frequencies. Capacitive and inductive reactance can be added together in a series circuit, but the resulting value in ohms can't be then directly added to the resistance value in ohms. We must move into two dimensions to perform this addition, and refer to Sketch 1.



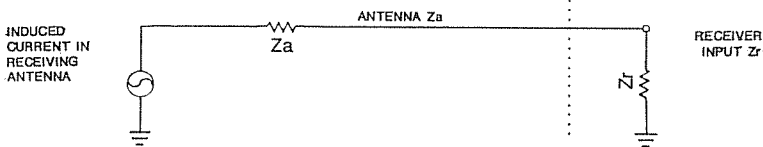
Resistance is a positive value on the x-axis of our two dimensional graph,  $X_L$  is on the positive y-axis, which  $X_C$  is on the negative y-axis. If  $X_C$  is 1 ohm and  $X_L$  is 4 ohms, then  $X$  is 3 ohms (an apparent inductive reactance).

Through the wonders of trigonometry and Sketch 2, we can now find a total value for our impedance (Z) which is 5 ohms. Hence the standard formula:  $Z = \sqrt{X^2 + R^2}$ , which is the same as the one used for finding the hypotenuse of a right angle triangle. Note that Z determines what AC current will flow in a circuit for a given voltage, by replacing R in ohm's law with Z:  $Z = I/E$ . We won't address phase shifting here, but it can be important.

## IMPEDANCE IN ANTENNAS

Now then, antennas are said to have impedance. They have capacitance to ground, and the length of the wire has inductance with itself. These are not large values, but can be significant at MW and SW frequencies. Because reactance varies with frequency, the total impedance of one's antenna will also vary with frequency. At some frequencies (resonant frequencies), the inductive and capacitive reactances of the wire will cancel out, leaving a pure resistive impedance. This resistive impedance is more than simply the resistance from one end of the wire to the other, and is not just a mathematical fiction; a certain RF voltage applied to the antenna at the resonant frequency will only be able to push so much current into the antenna as defined by Ohm's Law and the resistive impedance of the antenna. At non-resonant frequencies the antenna will show a different impedance which has an inductive or capacitive element to it, and once again, only so much current can be pushed into the antenna at a certain voltage as defined by Ohm's Law and the antenna Z.

Maximum power transfer takes place when the impedance of the current generator (usually a transmitter) is the same as that of the antenna. This condition is a desirable one, as maximum power is available for radiation. It is also not a bad condition to have between an antenna and a receiver; in this case, the antenna can be thought of as the generator:



When  $Z_a = Z_r$ , maximum power is transferred between the antenna and the receiver, even if it is only picowatts, and maximum signal strength will be noted at the receiver. (This condition assumes the  $Z_a$  and  $Z_r$  are both resistive impedance; if there is reactive impedance at the antenna, it should be cancelled out with an opposing value of reactive impedance at the receiver). However, below 10 MHz or so, note that weak DX signals are usually limited by atmospheric or man-made noise, and you won't hear DX any better by matching impedance between a random wire and a receiver if the DX is buried in external noise already. The receiver signal will certainly be stronger if the receiver and antenna are matched, but so will the external noise. If the random wire is short or close to the ground, or the receiver is insensitive, then impedance matching may allow weaker signals to be heard than would be otherwise (though still stronger than the external noise level) but generally one can say that impedance matching should not be necessary between a good random wire and a good receiver.

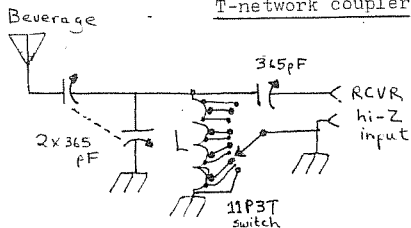
## IMPEDANCE IN BEVERAGE ANTENNAS

Beverage antennas can be a different kettle of fish however. They are not very efficient, but are quite directional; the antenna will attenuate noise originating from outside its lobes. Also, there can actually be some noise cancellation over the length of the wire even if the noise is originating in the same direction as the desired signal. Therefore our signal to noise ratio may be improved quite markedly over that of a random wire, and in situations where weak signals are poking out of the mud (sunrise DXing for example), we may need every picowatt our Beverage can deliver to our receiver, as there have been cases where a DX signal is actually buried in the receiver noise floor even at medium wave frequencies.

Beverage antennas generally have an impedance in the region of 300 to 700 ohms which is a not unreasonable match to (mostly older) receivers with "high impedance" antenna inputs. Even when using such a receiver, one may want to try to cancel out reactive elements of the antenna impedance using a pi-network coupler (see National Radio Club's Antenna Reference Manual's article by Russ Edmunds "Antenna Tuning Devices for Longwires on the MW BCB" or A DXer's Technical Guide 2nd edition, p. 61, published by IRCA), but that would only be necessary if one felt that potential DX was being buried below the receiver noise floor as opposed to the atmospheric or local noise floor (see "Noise Levels and Useable Receiver Sensitivity" by Chuck Hutton, pp. 6ff in A DXer's Technical Guide, 2nd ed.).

(Since this article was written, I have tried a pi-network coupler with a 1000' Beverage antenna and found that it only works well below about 700 kHz. So I've tried the T-network coupler described below, and found it can give up to 6 dB "gain" through improved matching between antenna and receiver. This was from MW well into the SW bands.)

### T-network coupler



(L is about 140 uH. I used a T-157-6 Amidon core with 110 turns, tapped every 10 turns)

(to be continued)

\* \* \*

Grove Enterprises has announced a new receiver, the Grove SR1000 Spectrum Surveillance Receiver. It tunes from 100 kHz to 1000 MHz, and boasts the better bells and whistles: keyboard and knob tuning, with selectable tuning rate, digital readout to 100 Hz; 100 memories; FM, AM, USB, LSB; selectable preamp/attenuator etc. etc. But it also has a 3" CRT for a spectrum analyzer display (100 kHz to 10 MHz display width), and a +20 dB third order intercept point. Sensitivity seems OK, though it's a little difficult to interpret the figure given for the average DXer to understand, and selectivity seems pedestrian--"6 kHz AM" and "2.4 kHz SSB"; no shape factors given. It was to be priced at US\$1995 and to be available in fall of 1988, but the price is now heading for the stratosphere, and it's not yet on the market to my knowledge. More details from Grove Enterprises, P.O. Box 98, Brasstown, NC 28902. (Info from CIDX Messenger July 1988)

Radio Netherlands Media Network program of Nov 18, 1988 mentioned the following receivers:

ALR Ltd. Tokyo announced their AR-3000 receiver, covering 100 kHz to 2036 MHz with SSB, CW, AM, NBFM, WBFM modes. It's powered from 13.8 vDC and is intended for car or table top use, with 400 memories and an RS-232 interface. They claim 15 different microprocessor selected bandpass filters in the front end, and give acceptable sensitivity figures, but no specs are given for dynamic range. They also claim "superior selectivity" with -70 dB adjacent channel rejection, but the channel width is not defined. It should be available in the first quarter of 1989 at a price of US\$995. Ace Communication in Indianapolis is the sole US distributor.

RN also reviewed one of the new Kenwood RZ-1's covered by Bruce Portzer in the Dec 3, 1988 DX Monitor. They were not too impressed. There have been 17 modifications announced, but not all have been put into effect yet. They claim lousy SW performance, with overload, and 5 kHz separation impossible with stronger signals; synthesizer noise leads to reciprocal mixing, and the AM mode has 6% audio distortion. With its 5 kHz tuning steps they felt it was not much better than a cheap portable for SW...where does that leave MW? VHF was better, but still not as good as the Yaesu 9600, and not even in the same league as the ICOM R-7000. It seems you get what you pay for; this radio tries to do too much for its price?

## IRCA Foreign DX Reference, Volumes 23-25

You're tuning around and hear a carrier from foreign origin on a frequency (say TA on 891). You want to quickly know which countries have been heard on the frequency and what type of programming was heard. Or, you're DXing and have heard several stations from one foreign area (say Japan) and want to quickly know what other stations have been heard from that area. These are the situations the IRCA Foreign DX Reference was created for. No longer will you need to thumb through tens of back issues of "DX Monitor" to find the information you need. With the IRCA Foreign DX Reference you can quickly determine which foreign stations might on a particular frequency or where to look for more stations from a particular area.

In honor of IRCA's 25th anniversary (and because it sounded like a good idea), this year's Reference was compiled from the last *three* years of "DX Monitor"!

The IRCA Foreign DX Reference is a cross reference listing of all the stations reported to DXWW-W and DXWW-E during volumes 23-25 of "DX Monitor" (9/85-8/88). Three sections are available: Trans-Atlantic, Pan American, and Trans-Pacific. Each section contains a frequency listing (countries reported for each frequency) and a country listing (frequencies reported for each country) including the "DX Monitor" issue in which they were reported (volume and number). The Reference is an indispensable guide to what was reported the last three years, and where to find specific information about the receptions.

Each listing is 6 or 7 pages long. You can order any one of the three (TA, PA or TP) for \$2.00 each, or all three for \$5.00. Order your copy now before the 1988-89 season gets underway. Make checks out to IRCA and send them to: 9705 Mary N.W., Seattle, WA 98117. (phil byrdway)

**LICENSEE:**

Thousand Islands Corporation  
WVWI AM 1000, Radio One  
P.O. Box 567B, St. Thomas U.S. Virgin Islands 00801  
Phone: (809) 776-1000 Cable: WVWI STTHOMAS

**PERSONNEL:**

Robert E. Noble, President & General Manager  
Rick Ricardo, Executive Vice President & Station Manager  
Harvey Henne, Vice President & Director of Sales

**STUDIO:**

Franklin Bldg., Market Square, St. Thomas

**TRANSMITTER:**

Crown Bay, St. Thomas

**FACILITIES:**

5000 Watts - Day / 1000 Watts - Night  
1000 kHz, Non-Directional, Fulltime

**BROADCAST HOURS:**

Monday ..... 5:00 a.m.-Midnight AST  
Tuesday thru Saturday ..... 24 Hours  
Sunday ..... 7:00 a.m.-Midnight AST

**NETWORK AFFILIATION:**

CBS Radio  
Mutual Broadcasting System



CONGRESSIONAL RECORD



United States  
of America

No. 161—Part III  
**Congressional Record**

PROCEEDINGS AND DEBATES OF THE 98<sup>th</sup> CONGRESS, FIRST SESSION

Vol. 129

WASHINGTON, FRIDAY, NOVEMBER 18, 1983

No. 161—Part III

*House of Representatives*

A SALUTE TO WVWI RADIO

**HON. RON DE LUGO**

OF THE VIRGIN ISLANDS

IN THE HOUSE OF REPRESENTATIVES

Friday, November 18, 1983

Mr. DE LUGO. Mr. Speaker, during the U.S. military intervention on Grenada last month and the resulting rescue of American citizens, constant complaints were heard from news media and correspondents concerning the news blackouts and censorship of information coming out of the Caribbean. While this may have constrained many of those who report the news, there is one radio station in my district that was not compromised at all by these circumstances and is highly deserving of praise from myself and this Congress.

In particular, I would like to applaud the very fine performance that WVWI Radio of the U.S. Virgin Islands carried out in broadcasting essential news of the Grenada situation, in establishing direct contact with ham radio operators on that island, and for acting as an essential relay station for conveying information to mainland radio and television stations. WVWI, which broadcasts with 5,000 watts throughout much of the Caribbean, became a recognized source of news and information for the numerous Grenadian

immigrants who reside in the Virgin Islands as well as for those having relatives and friends living on Grenada.

Particular praise has to go to the manager and vice president of WVWI, Mr. Rick Ricardo. Rick, who has been with WVWI since 1970, was instrumental in establishing on short notice a makeshift network to convey the news coming from Grenada, and sending it along to mainland stations, as well as to the citizens of the Virgin Islands and people throughout the Caribbean Basin. To illustrate WVWI's highly efficient and swift news gathering efforts and Rick Ricardo's firsthand knowledge of events, news about the landing by U.S. Navy "Seals" on Grenada before the landing of Marines and Army Rangers was actually reported by WVWI as soon as the day after the intervention began, while many mainland news media only reported this fact nearly 1 week after Rick and his highly professional crew had already done so.

Mr. Speaker, regardless of how we as Members of Congress view the intervention that took place on Grenada, I feel that all of us should applaud the efforts of the people at WVWI for shedding the light of news and information about this event and allaying the fears of uncertainty and doubt that many people might otherwise have had.

via Jim Hall-Pittsburgh, PA





## ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

# NEWS

ANARC REPORT FOR BEGINNING OF  
FEBRUARY 1989

\*\*\*\*\*

In the February 1989 edition of Monitoring Times is an article which should be of great concern to all BCB DX'ers. The article appears on page 50 and is written by Larry Miller. In the article Larry spells out the certain death of AM Broadcasting. He says it cannot survive. The article is reproduced in its entirety below:

AM, then FM ... now DM !

Let's stop fooling ourselves. AM radio is not going to rebound, come back or survive. No longer acceptable for the transmission of consumer-grade audio, in ten years they'll be using the band to dispatch taxi cabs. Don't me wrong. AM is a blast to DX. But instead of wasting time trying to save struggling stations with short-term Band Aids like AM stereo and all-Elvis formats, broadcasters had best begin preparing for the future.

Michael Starling, writing in a recent issue of Radio World, thinks that AM and FM bands should be combined into an entirely new band called DM (digital modulation). Finding space for that new band will be, he says, "the industry's single most important issue in the 1990's."

Starling is no odd voice calling out from the fringes of technology. Some rather important, usually

This dx'er has said many times in the past and I will say it once again, We BCB DX'ers must unite. We must fight now to preserve the AM Broadcast band and our hobby. We all know that AM is a great broadcast medium and can survive if our governments (both the Canadian and American Governments) get off their fat bottoms and do their jobs properly. Those of us who have heard AM-Stereo know what I am talking about. With the proper receiver a good equalizer and good speakers AM-Stereo is just as good as FM-Stereo. In addition we need to persuade our governments to force AM stations to stop over modulating their signals. AM broadcasting in Europe thrives! AM Broadcasting in Europe sounds great only because the stations do not over modulate their signals. Write to your government officials NOW before it is too late! Also, send a copy of your letter to Larry Miller at P.O. Box 98, Brasstown NC 28902.

That's it for this ANARC Report. Another ANARC Report for February 1989 may follow later in the month when more to print is received. Until then . . .

73 and good DX,

Albert S. Lobel,  
IRCA - ANARC Representative

conservative, organizations have echoed his views. In a recent edition of Federal Communications TechNews (12 issues/\$147 from New Signals Press, P.O. Box 435, Falls Church, VA 22046), editor Benn Kobb quotes the National Public Radio Network is saying "It does not seem likely that advanced radio systems incorporating digital technologies will be feasible using existing AM or FM bandwidths. In addition, downward compatibility (continued use of existing radio receivers to receive analog signals) for advanced radio systems would be impossible. Therefore, new spectrum will almost certainly be required."

Says Kobb, "Watch for DM advocates to add their voices to the clamor of interest asking the FCC to preserve or allocate spectrum [space] for [such] new technologies. Digital Modulation," he says, "is the ultra-fidelity future for radio broadcasting."

\*\*\*\*\*

850WJAC

chuc  
1450



KYFR 920 AM

# Verification signers

Editor: Tim Hall, 350 G St. #F-1  
Chula Vista, CA 92010-4559  
Deadline: Last Friday of the month

CONTRIBUTORS TO COLUMN #27 (01/28/89):

79 KGHL



- MB -- MIKE BROOKER, 99 WYCHCREST AVE., TORONTO, ON M6G 3X8
- LH -- LYNN HOLLERMAN, 1237 WILLOWBROOK #5, HUNTSVILLE, AL 35802
- KVJ -- KARL JETER, 2115 SCARBOROUGH RD., STONE MOUNTAIN, GA 30088
- JCJ -- JOHN C. JOHNSON, 979 NEPTUNE BLVD., BILLINGS, MT 59105
- HGK -- HOWARD KEMP, 140 COURT ST., LACONIA, NH 03246
- TL -- TOM LASKOWSKI, 1334 E. MINER ST., SOUTH BEND, IN 46617
- DP -- DOUG PIFER, 25530 BUCKLEY DR., MURRIETA, CA 92362
- JD -- J.D. STEPHENS, 3605-B CHASEWOOD, HUNTSVILLE, AL 35805
- RW -- JOHN WILKINS, 4385 HOYT ST. #206, WHEAT RIDGE, CO 80033

|      |      |                                                                                                  |                                     |                   |         |       |       |        |
|------|------|--------------------------------------------------------------------------------------------------|-------------------------------------|-------------------|---------|-------|-------|--------|
| 550  | KTSA | LEROY DIETRICH, CE                                                                               | P.O. BOX 18128                      | SAN ANTONIO, TX   | 78218   | L     | 24fff | JD     |
| 560  | WBQ  | RANDLE SATHER, ENG SUPV.                                                                         | 483 S. HIGHLAND                     | MEMPHIS, TN       | 38111   | LM+   | 14    | LH     |
|      | WDF  | MICHAEL HOLDERFIELD, CE                                                                          | P.O. BOX 1427                       | DOTHAN, AL        | 36302   | LB    | 8fff  | JD     |
| 580  | KALB | BILL LYNCH, GM                                                                                   | P.O. BOX 471                        | ALEXANDRIA, LA    | 71309   | LMB   | 13fff | JD     |
| 600  | KKLQ | [ ILLEGIBLE ]                                                                                    | 8525 618BS DR., #204                | SAN DIEGO, CA     | 92123   | Q     | 36    | JCJ    |
|      | WSJS | SAM M. MOONEY                                                                                    | 875 W. 5TH ST./ BOX 3018            | WINSTON-SALEM, NC | 27102   | D     | 6     | KVJ    |
| 660  | NBLX | RICHARD GALLOW, CE                                                                               | P.O. BOX 1967                       | MOBILE, AL        | 36633   | LB    | 6-11  | LH/KVJ |
| 670  | KXKI | TOM NICHOLS, OWNER                                                                               | P.O. BOX "S"                        | GLENWOOD, AR      | 71943   | L     | 8     | KVJ    |
| 680  | KKYI | JERRY RICHARDSON                                                                                 | 8401 DATAPOINT, SUITE 900           | SAN ANTONIO, TX   | 78229   | LB    | 13fff | JD     |
| 690  | KSGF | JACK MADTOR(?), CE                                                                               | 306 W. 8TH ST./ BOX 1087            | COFFEYVILLE, KS   | 67337   | L     | 25    | LH     |
|      | WPE  | [ ILLEGIBLE, CE ]                                                                                | 9487 REGENCY SQ. BLVD #95           | JACKSONVILLE, FL  | 32225   | L     | 245ff | LH     |
| 750  | KJEL | DAVE HORVATH, PD                                                                                 | P.O. BOX 1112                       | LEBANON, MO       | 65536   | L     | 8     | LH     |
| 760  | WCHP | TERI BIELILTER, GM                                                                               |                                     | CHAMPLAIN, NY     |         | LM    | 20    | MB     |
| 770  | WZEL | MATT MILLER, MGR.                                                                                | P.O. BOX 860                        | YOUNG HARRIS, GA  | 30582   | L*    | Off   | KVJ    |
|      |      | [ WOULD YOU BELIEVE... AFTER TWO PERSONAL VISITS, THEY WRITE HIS VERIE ON A "POST-IT" MEMO ?!! ] |                                     |                   |         |       |       |        |
| 800  | CHRC | ROBERT THOMASSIN (VEZDNK), NX                                                                    | 2136 CHEMIN SAINTE-FOY              | STE.-FOY, PQ      | 61V 1R8 | LMB++ | 17f   | MB     |
|      |      | [ SIGNER'S HOME ADDRESS: ]                                                                       | BOX 197                             | QUEBEC, PQ        | 61L 4V1 |       |       | MB     |
| 810  | KCMO | LLOYD COLLINS, CE                                                                                | 508 WESTPORT RD.                    | KANSAS CITY, MO   | 64111   | L     | 12    | LH     |
| 820  | WBAP | [ ILLEGIBLE ], CE                                                                                | 1 BROADCAST HILL                    | FT. WORTH, TX     | 76103   | L     | 325ff | LH     |
|      | W6GH | PAUL SCOTT, GM                                                                                   |                                     | RICHMOND, VA      |         |       |       | HGK    |
|      | W6SI | SCOTT ROBERS, PD                                                                                 |                                     | FREDERICK, MD     |         |       |       | HGK    |
| 830  | KFLT | STEVE SORENSON, ASST MGR.                                                                        | P.O. BOX 3025                       | TUCSON, AZ        | 85702   | LB    | 12    | WB     |
|      | WADU | VIRGIL H. DU TREIL, VP                                                                           | 1535 E. AIRLINE HWY.                | LA PLACE, LA      | 70068   | LM    | 8     | LH     |
| 840  | WBHY | WILBUR GOFORTH, PRES / GM                                                                        | P.O. BOX 1328                       | MOBILE, AL        | 36633   | LB+   | 11    | JD     |
| 850  | WYDE | JIM ROMINE, GM                                                                                   | 90 BABBY DR., SUITE 310             | BIRMINGHAM, AL    | 35209   | LM+   | 6     | JD     |
| 880  | WBZ  | CHIP LYNESS, GM                                                                                  | 4005 ATLANTA HWY./ BOX 88           | ATHENS, GA        | 30603+  | L+    | 11    | LH     |
| 900  | KKAP | DAROLYN SNELL, OFC MGR.                                                                          | 201 W. CALIFORNIA, BOX 658          | FLOYDADA, TX      | 79235   | LM    | 270   | DP     |
| 910  | WPLA | BRENT HARMON, OWNER                                                                              | P.O. DRAWER "J"                     | PLANT CITY, FL    | 34289   | LM+   | 7     | JD     |
| 920  | CFLS | LOUISE TREPANIER, PROMOTION                                                                      |                                     | LEVIS, PQ         |         | LB+   | 17    | MB     |
| 940  | WMAZ | W.D. SOWELL, CE                                                                                  | 1314 GRAY HWY./ BOX 5008            | MACON, GA         | 31213   | L     | 8     | LH     |
| 950  | WCTN | IVAN PENCOFF, CE / DJ                                                                            |                                     | POTOMAC, MD       |         |       |       | TRH    |
| 960  | K6WA | RAYMOND L. MILLER, TECH DIR.                                                                     | P.O. BOX 960                        | ENID, OK          | 73702   | LM    | 6     | WB     |
|      | KMA  | NORM KLING, CE                                                                                   | P.O. BOX 960                        | SHENANDOAH, IA    | 51601   | QMB   | 5     | WB     |
|      | W7CH | STUART MUCK, ENG.                                                                                | 1456 E. GREEN BAY ST.               | SHAWANO, WI       | 54166   | PB    | 142   | TRH    |
| 980  | HS1J | ERIC MARSHALL, PGM MGR.                                                                          | 21 MUSIC SQUARE WEST                | NASHVILLE, TN     | 37203   | LB    | 22    | LH     |
| 990  | WEZO | DAVID ISREAL, PD                                                                                 |                                     | ROCHESTER, NY     |         |       |       | HGK    |
| 1010 | KKGZ | RANDALL S. JACKSON, GM                                                                           | P.O. BOX 707                        | BRUSH, CO         | 80723   | L     | 16    | JCJ    |
| 1030 | WBDX | BILL COLEMAN JR., CE [IRCA]                                                                      | P.O. BOX 489                        | WHITE BLUFF, TN   | 37187   | LM+   | 33    | LH     |
| 1060 | KHYM | WAYNE SHULTICE, OP DIR.                                                                          | 104 W. CASS ST.                     | GILMER, TX        | 75644   | L+    | 7     | JD     |
|      | WCFB | JEFF SNYDER, OP MGR.                                                                             | 113 INDUSTRIAL RD/BOX 1626          | TUPELO, MS        |         | Lr    | 39    | KVJ    |
| 1070 | KXST | PAUL PRESTON, PROMO MGR.                                                                         | 22 SIR WINSTON CHURCHILL AVE., #602 | ST. ALBERT, AB    | T8N 184 | L     | 13    | WB     |
|      | KNX  | ERIK DISEN, DIR TECH OPS.                                                                        | 6121 SUNSET BLVD.                   | LOS ANGELES, CA   | 90028   | P     | 6     | LH     |
|      | WHYZ | RAY SLATTIN, CE                                                                                  | P.O. BOX 4309                       | GREENVILLE, SC    | 29608   | L     | 26    | JD     |
| 1080 | KRLD | ROY JENKINS, ENG.                                                                                | 7901 CARPENTER FWY.                 | DALLAS, TX        | 75247   | PMB+  | 3     | LH     |
|      | WTIC | BOB DOWNES                                                                                       | ONE FINANCIAL PLAZA                 | HARTFORD, CT      | 06103   | QB    | 20    | JD     |
| 1100 | WLLB | CAROLYN COOK, TFC DIR.                                                                           | P.O. BOX 1400                       | CARROLLTON, GA    | 30117   | L     | 12    | JD     |
|      | WME  | TED ALEXANDER, CE                                                                                | THE PARK, 1250 SUPERIOR AV          | CLEVELAND, OH     | 44114   | LM    | 170ff | LH     |

# WBBF 95 AM

| FREQ | CALL   | SIGNER'S NAME / TITLE                                                                        | ADDRESS                                             | WHAT                                  | WHEN           | WHO             |
|------|--------|----------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------|----------------|-----------------|
| 1130 | KLEY   | ED HUNDLEY, MGR.                                                                             | KLEY DR.                                            | WELLINGTON, KS                        | 67152          | LB 8 BW         |
|      | WJTP   | MATTHEW SHOOK, GM                                                                            | P.O. BOX 1130                                       | NEWLAND, NC                           | 28657          | LB 7 JD         |
| 1150 | WMST   | JOHN WOLFE, CHIEF OP.                                                                        | P.O. BOX 381                                        | MT. STERLING, KY                      | 40353          | LMB# 11 JD      |
| 1200 | WAGE   | CASEY RITTER, PD                                                                             | 711 WAGE DR.                                        | LEESBURG, VA                          | 22075          | LMB 7-11 JD/TRH |
|      | WAGE   | CASEY RITTER, PD                                                                             | 711 WAGE DR.                                        | LEESBURG, VA                          | 22075          | L 6# KVV        |
| 1210 | WCAU   | DAVID V. HARVEY, DIR ENG/OPS                                                                 | CITY AV. & MONUMENT RD.                             | PHILADELPHIA, PA                      | 19131          | L 170ff LH      |
| 1230 | KVOC   | DARYL DAVIS, ANNCR.                                                                          | P.O. BOX 2090                                       | CASPER, WY                            | 82602          | L 7 BW          |
|      | WHD    | JOHN PARKER, GM                                                                              | P.O. BOX 518                                        | JACKSON, AL                           | 36545          | L 13 KVV        |
| 1240 | KNSS   | DAN TARUH (NOEDR, CE )                                                                       | 2402 E. 37TH ST. NORTH                              | WICHITA, KS                           | 67219          | L+ 9 BW         |
|      | WJIM   | JACK REBBIX (??), PD                                                                         |                                                     | LANSING, MI                           | 48901          | P 133 TRH       |
|      | WKDA   | TIM CAMPBELL, CE                                                                             | 506 SECOND AVE. SOUTH                               | NASHVILLE, TN                         |                | LB+ 6 JD        |
| 1250 | KXET   | [ ILLEGIBLE ]                                                                                | 1130 DURANGO                                        | SAN ANTONIO, TX                       | 78210          | P 14f BW        |
|      | WLEN   | DEBRA LANZILLO, OWNER/SALES                                                                  |                                                     | EMPGRIA, PA                           |                | LRM 13 NB       |
| 1290 | KIYV   | JOHN GIBBS, OWNER/MGR.                                                                       | 129 RADIO LANE / BOX 1109                           | CROCKETT, TX                          | 75835          | L 10 KVV        |
|      | WPBG   | GARY HINKER, CE                                                                              | P.O. BOX 20389                                      | W. PALM BEACH, FL                     | 33416          | L 11 KVV        |
| 1320 | KELD   | KAREN RUNIA, ENG ADMIN ASST.                                                                 | 501 S. PHILLIPS                                     | SIUX FALLS, SD                        | 57102          | P 14 LH         |
|      | KENX   | RITCHIE BAUER, CE                                                                            | 434 BEARCAT DR.                                     | SALT LAKE CITY, UT                    | 84115          | P 6 BW          |
|      | WJAS   | RAY BLACKMAN                                                                                 | BROADCAST PLAZA, CRANE AV.                          | PITTSBURGH, PA                        | 15220          | LMB 18 LH       |
|      | WKAN   | DONALD L. KEROUAC, CE                                                                        | THO DEARBORN SQUARE                                 | KANKAKEE, IL                          | 60901          | L 8 JD          |
| 1330 | KSJN   | ALAN SEARLE, PD                                                                              | 45 E. SEVENTH ST.                                   | ST. PAUL, MN                          | 55101          | L+ 26 JCC       |
| 1350 | WLRQ   | KENNETH W. WEST, ENG.<br>[ ALTERNATE ADDRESS: ]                                              | 2405 BROADCAST CT.<br>1900 BLDG, 1900 S HARBOR BLVD | COCOA, FL<br>MELBOURNE, FL            | 32922<br>32901 | L 10 KVV        |
|      | WRKM   | JOHN R. HOOD, PRES.                                                                          | P.O. BOX 179                                        | CARTHAGE, TN                          | 37030          | L 12fff JD      |
| 1370 | WDYE   | MIKE HARRIS, PD                                                                              | 120 N. MILITARY                                     | LAWRENCEBURG, TN                      | 38464          | L 15zf LH       |
|      | WHDG   | MICHAEL MC CULLOUGH, VP/GM                                                                   | P.O. BOX 182                                        | CANTON, MS                            | 39046          | L 16 KVV        |
| 1380 | KSWD   | JOHN C. BRANDT, PD                                                                           | P.O. BOX 709                                        | LAWTON, OK                            | 73502          | L 5 KVV         |
| 1410 | WQDD   | DON CONNELLY, CE                                                                             | P.O. BOX 1140                                       | LEESBURG, FL                          | 32749          | LMB 89 JD       |
| 1420 | WADY   | KEVIN J. BRADY, OP MGR.                                                                      | P.O. BOX 629                                        | TRENTON, GA                           | 30752          | L 4 LH          |
|      | WVOT   | MICHAEL BUSCEMI, PROD MGR.                                                                   | P.O. BOX 2528                                       | WILSON, NC                            | 27893          | LB 13 JD        |
| 1430 | KCLK   | GENE LAWRENCE, GM                                                                            | P.O. BOX 669                                        | CLARKSTON, WA                         | 99403          | L 20 JCC        |
|      | KSKS   | MARK BOFF, CE                                                                                | 931 S. 66TH E. AVE.                                 | TULSA, OK                             | 74133          | L+ 6 JD         |
|      | WPHK   | LAMAR WILLIAMSON, O / GM                                                                     | P.O. BOX 608                                        | PELL CITY, AL                         | 35125          | L 10 JD         |
| 1450 | KEST   | TOM JOHNSON                                                                                  | 1231 MARKET ST.                                     | SAN FRANCISCO, CA                     | 94103          | L 6 JCC         |
| 1460 | WBET   | PETER GEORGE [ Dyer ]                                                                        | 60 MAIN ST.                                         | BROCKTON, MA                          | 02403          | L 12 TL         |
| 1470 | KILS   | LARRY STOWECPHER, PD                                                                         | P.O. BOX 856                                        | LIBERAL, KS                           | 67901          | P 8f BW         |
|      | KMFI   | RICK TUCK, OP DIR.                                                                           | 3514 KINGS CT.                                      | SIERRA VISTA, AZ                      | 85635          | P 29 BW         |
|      | KVLH   | RONALD R. CASEY                                                                              | P.O. BOX 610                                        | PAUL'S VALLEY, OK                     | 72075          | LB 9 JD         |
| 1480 | WHBC   | BILL GLASSER, CE                                                                             | 550 MARKET AVE S, BOX 9917                          | CANTON, OH                            | 44711          | D+ 489 TRH      |
| 1500 | KSTP   | NORM PAETZLICK, ENG SUPV.                                                                    | 2792 MAPLEWOOD DR.                                  | ST. PAUL, MN                          | 55109          | LB 8 LH         |
| 1510 | CKOT   | ROBERT LANERS, ENG.                                                                          | P.O. BOX 10                                         | TILLSONBURG, OH                       | 446 4H3        | L 20 JD         |
| 1530 | KLRA   | "DOC" WEBB, PD                                                                               | P.O. BOX 218                                        | ENGLAND, AR                           | 72046          | L 9 KVV         |
| 1550 | WBCV   | N.N. JENNINGS DOTSON, GM                                                                     | P.O. BOX 68                                         | BRISTOL, TN                           | 37620          | LMB+ 5 JD       |
|      | HLUX   | TED SAUCEMAN, GM                                                                             | P.O. BOX 2550                                       | BATON ROUGE, LA                       | 70821          | L 7 JD          |
| 1560 | KQYX   | WILLIAM B. HEAL, GM                                                                          | P.O. BOX 2625                                       | JOPLIN, MO                            | 64803          | L 7 JD          |
| 1570 | CHLO   | RICK ROI, CE                                                                                 | P.O. BOX 160                                        | ST. THOMAS, ON                        | N5P 3T8        | LMB+ 20 JD      |
|      | WCRL   | PHIL WILLIAMS, PROMO/SALES                                                                   | P.O. BOX 490                                        | ONEONTA, AL                           | 35121          | LM 1 (??) LH    |
| 1590 | KHIT   | DEBRA M. SPRING, ASST PD/MXD                                                                 | 5290 NEIL RD.                                       | RENO, NV                              | 89502          | L 9 JCC         |
| 1610 | KAF713 | CHRISTY L. METZ,<br>PUBLIC INFO SPECIALIST                                                   | U.S. DEPT. INTERIOR,<br>NATIONAL PARK SERVICE       | ROCKY MTN NAT'L PK,<br>ESTES PARK, CO | 805174         | PL 8 BW         |
| 1620 | "RNI"  | ALLAN H. WEINER                                                                              | P.O. BOX 1659, GRACIE STN.                          | NEW YORK, NY                          | 10028          | PL 33-41 KVV/TL |
|      |        | [ NOTE: VERIE MAILED FROM MONTICELLO, MAINE. KARL SAYS TO INCLUDE AN SAGE WITH YOUR REPORT ] |                                                     |                                       |                |                 |

WHAT was received: O=DSL card, L=Letter, P=Prepared card, Lr=pt used as verie, B=Bumperstickers, H=Map.  
WHEN did the reply come: Number of days elapsed. f = Follow-up (report / phone call / visit) was necessary.

HELP WANTED SECTION: CAN ANYBODY SUPPLY A SIGNER FOR ANY OF THE FOLLOWING STATIONS?

|     |              |      |              |      |              |      |              |      |              |
|-----|--------------|------|--------------|------|--------------|------|--------------|------|--------------|
| 580 | WBIL-AL (JD) | 980  | WFHG-VA (JD) | 1150 | KRHS-MD (JD) | 1320 | WQIK-FL (JD) | 1420 | WIGG-MS (JD) |
| 760 | KNTL-AR (JD) | 1060 | WCFB-MS (JD) | 1190 | KLIF-TX (JD) | 1320 | WRJN-MS (JD) | 1480 | WRSH-GA (JD) |
| 870 | WPRO-TN (JD) | 1080 | WBJX-KY (JD) | 1210 | WSBI-TN (JD) | 1340 | KHYD-LA (JD) | 1500 | KCLF-LA (JD) |
| 960 | CFAC-AB (JD) | 1140 | KS00-SD (JD) | 1320 | WBL-DH (JD)  | 1420 | WACT-AL (JD) | 1540 | WTBI-SC (JD) |

An excellent turnout this month -- thanks, folks ! This month, we welcome DOUG PIFER from Southern California.  
Thanks J.D. and Karl for the WAGE signer, and to all who sent HELP WANTED replies found in this month's column.  
To Mike Brooker: The Padres broke .500 last year -- for them, that IS a pennant, hi.  
That's it for another month -- I'm still learning the ropes at my new job, but hope to find time for follow-ups soon. 73, Tim

## THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1630 kHz). "DX Monitor", the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. "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. IRCA is a member of ANARC, the Association of North American Radio Clubs.



### CLUB ADDRESSES AND OFFICERS

President: Karl Zuk, 154 Old Post Road North, Croton, NY 10520-1932.  
Secretary-Treasurer: John Clemmer, P.O. Box 482, E. Moline, IL 61244.  
Board of Directors: Ernest R. Cooper, Richard Evans, Ric Heald, John C. Johnson, Patrick Martin, Bruce Portzer, Keith Toebe.  
Editor-in-Chief: Bruce Portzer, 6546 19th Ave. N.E., Seattle, WA 98115.

### MEMBERSHIP DUES

U.S. - \$20.00 per year. Canada/Mexico - \$26 (one issue mailed every week) or \$20 (two issues every two weeks). Overseas Surface - \$21. Overseas Airmail - \$30 (Central America, Caribbean, Colombia and Venezuela), \$33 (Europe, North Africa, Middle East), \$37 (rest of the world). Trial Membership - \$7.50 (10 issues of "DX Monitor" and a New Member Packet, U.S./Canada/Mexico only). Make checks and money orders payable to IRCA and send all dues to: IRCA, P.O. Box 482, E. Moline, IL 61244. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of "DX Monitor" are 50 cents or three International Reply Coupons each and are available from: IRCA, P.O. Box 21074, Seattle, WA 98111.

### THE IRCA GOODIE FACTORY

Reprints of more than 400 articles from past issues of "DX Monitor" are available from the IRCA Goodie Factory. Also available is IRCA stationery and the very popular IRCA publications: "IRCA Almanac", "A DXer's Technical Guide", and the "IRCA Foreign Logs". For a complete list of available publications and their costs, send a self-addressed, stamped envelope to: IRCA Goodie Factory, P.O. Box 21074, Seattle, WA 98111.

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International Radio Club of America  
P.O. Box 21074  
Seattle WA 98111

# FIRST CLASS

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