



# DX NEWS

The magazine of the  
National Radio Club

— SINCE 1933 —

Volume 57, No. 21 - March 5, 1990 (ISSN 0737-1659)

## Inside ...

- |                       |                         |                         |
|-----------------------|-------------------------|-------------------------|
| 2 .. DDXD-E           | 9 .. 12-655 review      | 16 .. Ground/Sky Wave   |
| 7 .. In the Beginning | 10 .. IDXD              | 17 .. Quality AM/FCC    |
| 8 .. DDXD-W           | 11 .. Station Addresses | 18 .. Bandscans         |
|                       | 12 .. WICE Profile      | 20 .. Musings           |
|                       | 15 .. Answer Man        | 23 .. Station Maps Book |

## CPC Tests Directory

- 3-4: KWCK-1300 Searcy, AR
- 3-12: KTHO-590 S. Lake Tahoe, CA
- 3-12: KLLK-1250 Willits, CA
- 3-18: WLBE-790 Leesburg, FL
- 3-18: WQBQ-1410 Leesburg, FL

**KWCK-1300** - Drawer 1300 - Searcy, AR 72143 will conduct a Special DX Test on Sunday Morning March 4, 1990 from 0300 to 0330 Eastern Standard Time. KWCK will operate with 5000 watts Non directional. The test will include Morse code ID's. Our thanks to Mr. Ken Simmons, Operations Director, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

**KTHO-590** - P.O. BOX AM - South Lake Tahoe, CA 95705 will conduct a DX Test on March 12, 1990 from 0400-0430 Eastern Standard Time. This test will include a variety of music, tones, voice and code ID's. Our thanks to Mr. H.E. Cadot, Chief Engineer of KTHO for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

**KLLK-1250** - P.O. Box 1520 - Willits, CA will conduct a Special DX Test on Monday morning March 12, 1990 between 0430 and 0500 EST. 0430-0445 will be with the daytime directional pattern at 5400 watts and 0445-0500 will be with the nighttime pattern and 2700 watts. Test will consist of a continuous tape loop with a Morse code ID message. We thank Mr. Brian J. Henry (WB6QED) the owner of KLLK for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

**WLBE-790** - Drawer 799 - Leesburg, FL 32740 will conduct a DX Test on Sunday, March 18, from 0330-0400 EST with tones, voice, and code IDs. Our thanks to R. Dean Sever, Chief Engineer, for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

**WQBQ-1410** - 10401-328 Highway 441 - Leesburg, FL 34788 will conduct a DX Test on March 18, 1990 from 0400 to 0430 Eastern Standard Time. WQBQ will broadcast a special format for the morning and will include English and Spanish voice ID's as well as Morse code ID's. Correct reports will be verified with a special letter. Reports may be mailed or may be FAX'ed to (904) 787-4446. Our thanks to Mr. Donald Connelly, General Manager of WQBQ for this test. Arranged by the Colorado CPC Machine for the National Radio Club.

*Wayne sez* ... Save your stamps until August 1 - the CPC season is over ... and thanks to all who participated by sending stamps and DX targets.

*GTG* ... Rick Dau will host an Omaha/Council Bluffs GTG on Saturday, March 3, 1990, starting at 2 pm. Pop, beer, snacks, and assorted refreshments will be provided, but bring your radios, QSL's, logbooks, tapes, etc. RSVP and call for location information as soon as possible to Rick at (712) 483-2230, 9:30 pm-11 pm Tue-Sat, all day Sun-Mon.

*DXChange* ... The old WDX Monitoring Service apparently is still in operation, as I got a rather cryptic unsigned note from P. O. Box 3333 - Cherry Hill, NJ 08034. As the release states, the primary purpose of the registration system is to provide you with a certificate of registration and an individualized identification. Prices run from \$1.00 to \$5.00; send an SASE for details, and mention the NRC when you write.

*From the editor* ... The number of requests to replace mangled DXN's is about steady; that is, less than one per issue, since I've started sending the bulletin out from the new postal distribution center. If your DXN arrives mangled more than once per 10 or 20 issues, I'd suggest that you complain to your local post office and ask them to investigate, as I'm positive that any problem is not at the local center, and I don't think that the few that are mangled are at the Kansas City center.

Also, replacement copies are free - and you don't have to beg or send the copy back, if it arrives mangled or with blank pages or some other defect. Just send a postcard and request it from the Topeka address. If you call, leave your full name and address on the answering machine; don't call and provide only a phone number as several have done recently. We cannot afford long-distance phone calls. Other back issues from V-56 and 57 may be requested from Topeka at the rate of 25¢ per 24-page issue, 45¢ per 48-pager. And I can send 24 random copies by book rate @ \$1.25 for promotional purposes if you plan to attend a hobby event and plan to distribute them. Feel free to forward names and addresses of potential (or former) NRC members so that we can send them a current copy, free.

Finally, I really can't think of any reason why anyone would need to send me money; check the back page and forward your checks to the proper place - to Poquonock for renewals; to Mannsville for most orders; and to Cambridge for certain items specified in the promotions.

# Domestic DX Digest - East

**William Hale**  
734 Burlison  
San Marcos, TX 78666

DX Catches in the Eastern U. S. and Canada, with 24-hr. ELT

## MEDIUM WAVE RAMBLINGS

- New reporter **Chris Johnson** of Memphis, Tennessee checks in a brief initial report. Good to hear from the Mid-South again, Chris. I'll hold you to your promise to report again!!
- KTRH-740 has been awarded the broadcast rights to Houston Oilers Football. The past few years KODA-FM has been the Oilers flagship station.
- For those of you who have written for clarification on the garbled transmission in **Ramblings** in Issue 18, here is the sentence as it was sent for publication:  
...unless (here's the loophole) the station is operating under an experimental authorization issued by the FCC (as provided for in 78.1510) which specifically...
- I guess the only word really messed up was authorization. Must have gotten crinkled at the printer's.
- In response to **Al Mulick's** request for **DDXD Editors** to comment on this issue..., I'm sending mine to Al today.

## SPECIAL

- 590 WKZO MI KALAMAZOO - 1/18 1448 noted with MoR mx including *Three Coins in the Fountain*, so is not BRN all the time (WPF-IN)
- 720 WMYX GA HOGANSVILLE - is in fact off the air, however, have not heard the Sunday Morning schedule supposedly on (KVJ-GA)
- 780 WBBO NC FORREST CITY - AM CLs have been WBBO for several years now, update your Logbooks; carries *The Breeze* format (WBBO-FM 98.3 (RJT-NC))
- 1000 WLUP IL CHICAGO - is not Larry King anymore; now has local talk with Ed Tyll 'til 0200 (WPF-IN)
- 1040 WHO IA 1/27 0238 noted with Sally Jesse Rafael (gag) on Talkradio, may have dropped all-night C&W truckers show (WPF-IN)
- 1080 WNWI IN VALPARAISO - 1/18 1402-1631+ noted completely off, back on 1/17 (WPF-IN)
- 1180 WHJM TN KNOXVILLE - lotsa stuff for updates-Address:802 South Central, Knoxville, 37902 or P.O. Box 2312, Knoxville, 37901; V/S=Harry J. Morgan - Owner; Day power=10Kw/CH2.6 Kw; NBC Nw @ :00, MBS Nw @ :30; locally produced BBD format of the 30s, 40s & 50s; Slogan=*The Memory Channel* (RJT-NC)
- 1200 WFSF AL OZARK - 2/8 1711-1718 very good on WSW wire; format change to UC; slogan=*Energy 103*; never hrd CLs on this one...many Dothan mentions; carries Sheridan B'casting Nw (RJT-NC)
- 1290 WIRL IL PEORIA - 1/18 0309-0339+ noted with Larry King, over/under WHIO with Talknet; tunes to WMBD-1470 where LK used to be and they had ABC Talkradio and Freddy Mertz, same as WLS (change your Logs); Mertz was fired by ABC on 2/5...too bad, was a good show (WPF-IN)
- 1390 WGCI IL CHICAGO - per 1/29 Sun-Times now has Larry King 2200-0100, although I can't hear it; back to WHAM for that (WPF-IN)
- WCSE SC CHARLESTON - 2/3 1818 fair with *Another Saturday Night* by Sam Cooke followed by call ID drop-in: *Kool Gold 1390 WCSE*-local break with promo for *WCSE Radio Classified Ads* available for \$10 beginning 2/10, address for items same as in Log+call ID: 1390 WCSE and *Kool Gold*, Charleston's best mix (or music); ex:WZKG (CR-ON)
- 1500 WDPC GA DALLAS - has been OFF THE AIR for at least two weeks (as of 2/11/90), don't have any idea for how long or why (BA-GA)
- 1530 WEHN PA NORTH EAST - 2/8 1200 with *Headline News* audio portion of cable TV; ex:WRKT; think that they made change on 2/5 'cuz was still *Rocket-101* on 2/4 (CR-ON)
- 1570.8 CFOR ON ORILLA - noted off frequency 2/8 & 2/9, causing horrendous het to 1570; back to normal 2/10 evening (RF-ON)

## UNIDs AND UNIDs IDd

- 750 KOAL UT PRICE - possibly **Frank Merrill's** unID of 1/18 (Issue 17); hrd this mentioned on **Fred Sanders Show** some time ago; they may still be carrying this (CR-ON) (TH-CA)
- 1180 WXLA MI DIMONDALE - probably **Karl Forth's** unID od 1/12 (Issue 17); Log sez NWS but is B:SOL and rap (CR-ON)

- 1250 UNID ?? - 2/7 0745 with beginning of REL pgm called *Faith For the Day* from a church in Warrenton, VA; does WPRZ carry this program? (CR-ON)
- 1390 KJME CO DENVER - is likely FM-IL's unID of 1/15 (Issue 17) with *La Jo A Mexicana* (TH-CA)
- 1510 WKKU MA BOSTON - is probably this unID of DLH-IN of 1/15 (Issue 17) (TH-CA)
- KDKA CO LITTLETON - could be DLH-IN's unID of 1/15 (Issue 17) as they use *Power 15* slogan (TH-CA)
- 1528 UNID ?? - 2/7 & 2/8 steady carrier evenings, heterodyning WCKY; no modulation detected (PFC-VA)
- 1570 CFOR ON ORILLA - could be DT-ON's unID of 1/3 (Issue 18); I've heard them with REL pgms in the evenings (RF-OH)
- 1580 UNID ?? - 1/21 1855-1905 K-NIX, Rock format, Central Time Zone TCs, mention of *Stereo 99 Radio Auction*; don't believe this was WKNN (JR-NY)
- 1600 KXEW AZ/WAOS GA/KSSA TX - all 3 of these are in the Cadena Radio Centro network, so any one could be FM-IL's unID in Issue 17 (TH-CA)

## DX/EQUIPMENT TESTS

- 1020 WCIL IL CARBONDALE - 2/5 no sign of it, even KDKA barely audible (DT-ON)
- WCIL IL CARBONDALE - 2/5 0630-0700 not IDed, but heard some code fragments chopped up by predominant KDKA's audio, but no CID; also various audio tones, 400Hz and up (PFC-VA)
- WCIL IL CARBONDALE - 2/5 not tried for, has been received via SSS; Zzzzzz (WPF-IN)
- 1090 WILD MA BOSTON - 1/22 0215-0230 had TT & code & voice ID @ 0230; very poor under a likely poor CKKW (DT-ON)
- WILD MA BOSTON - 1/22 0215 with NRC Test, included code word, along with with other ID announcements, similar to those heard on WADN test (JR-NY)
- WILD MA BOSTON - 1/22 0201 heard continuous CIDs at times; good signal under KAAV and a strong OC which would come on and go off occasionally; not WBAL (WPF-IN)
- 1180 WLDS IL JACKSONVILLE - 2/11 didn't know about this 'til mail and **DX News** arrived 2/12 afternoon; has been received vis SSS, however (WPF-IN)
- WLDS? IL JACKSONVILLE - 2/11 0500-0530 with continuous 1000 Hz TT; must be some other guy; fair under WHAM (WPT-DC)
- 1390 WFIW IL FAIRFIELD - 1/21 0600-0630 no sign; CHOO all the way (only a few miles from me) (DT-ON)
- WFIW IL FAIRFIELD - 1/21 0605 heard CIDs; very poor under WGCI; received stronger on SSS (WPF-IN)
- 1480 WRSW IN WARSAW - 2/4 0530-0555 fair with march mx, CIDs @ 0530, 0545, 0550, VIDs were barely hrd and nothing noted during the reduced power time starting @ 0555 (KVJ-GA)
- WRSW IN WARSAW - 2/4 0530-0555 only a strong CKAN, and poor WHBC(?) (DT-ON)
- WRSW IN WARSAW - 2/4 0530-0600 not IDed; real muddle, with audio of farm-oriented pgm hrd at times; "V" in code several times, but no CID recognizable; occasional band mx (PFC-VA)
- WRSW IN WARSAW - 2/4 0530-0600 channel was very congested and I thought there was no way until possible CIDs heard under very heavy QRM @ 0549-0550; I'm pretty sure this was them since I know of no other testing with code; no VIDs heard; very poor; sent **Mr J.L. Swearingen** a tape for verie, and have fingers crossed! (BS-VA)
- WRSW IN WARSAW - 2/4 0544-0555 noted very weakly with CIDs cutting thru very nicely but VID very garbled by 2 stations, 1 with Talknet+NBC Nw, just as weak; possible march mx; this is a day regular (WPF-IN)
- 1560 WAGL SC LANCASTER - 1/28 0400-0430 poor under WQXR, when they were on voice (DT-ON)
- WAGL SC LANCASTER - 1/28 0408-0528 test heard with VIDs, CIDs, TX, wx, description of equipment, location, TTs, etc; fair+good, no stereo lite lit (CJ-TN)
- WAGL SC LANCASTER - 1/28 not tried for, picked up on SSS and besides I had to get up for work @ 0430 (WPF-IN)

## SPURS & HARMONICS

- 1640 WNOO TN CHATTANOOGA - 2/12 0730 all alone with clear ID; not heard on 1260 (RJT-NC)

## MIDNIGHT TO MIDDAY

- 680 WCNN GA NORTH ATLANTA - 2/8 0312 in strong with nx and Atlanta's only all-news station; rare here with WPTF/CFTR (WPF-IN)
- 690 WPHE PA PHOENIXVILLE - 2/6 0701 XLNT with sign-on with no SSB; using semi-classical mx as background, gave sign-on annot in EE by male with very slight accent who sed they were owned by Salvation Broadcasting Inc.; then had sign-on annot in SS which included a Radio Salvation slogan+SS REL pgm (CR-ON)
- 700 CHSJ NB ST JOHN - 2/8 0630 from out of nowhere (probably due to pattern change) with start of nx: This is CHSJ news at 7:30; quickly covered by WLW who had been in well-timed fade; 1st catch on 700 since 12/3/73 (CR-ON)
- 720 WWII PA SHIREMANSTOWN - 1/30 0618-0635 with Financial Business Network, ments of W-2, AM Stereo-720, ID @ 0630: Serving 16 Pennsylvania counties with financial news, this is WWII, Harrisburg, PA (KVJ-GA)
- 850 KOA CO DENVER - 2/12 Midnight-0003 with IDs and ads & (I think) nx; OK, so this is an easy catch for most of you, but this is 1st time hrd with local WRMR on the air; glad I finally fixed my SM-1!; rough copy, but atop with WRMR nulled (RF-OH)
- 900 WSEA DE GEORGETOWN - 2/8 0635 ending with wx 4cast with it's 44° in Georgetown followed by TC & CL; then into It Ain't Me Babe by The Turtles; poor but over CHML with WFRO nulled (CR-ON)
- 1110 CKTY ON SARNIA - 1/25 0251-0303 very weak in WBT null and T-Storm static with C&W mx; 1st-timer (WPF-IN)
- 1230 WBVP PA BEAVER FALLS - 1/23 0104-0108 with ABC & local nx of Beaver County; poor (DT-ON)
- 1330 WVHI IN EVANSVILLE - 1/31 0139-0215 with talk show, WVHI News Update, local court case story; poor, no WEYZ! (DT-ON)
- 1360 WPRC CT HARTFORD - 2/1 with OLD, under WPPA; no WSAI or WIXZ (DT-ON)
- WPPA PA POTTSVILLE - 2/11 0025-0100 with sports byline and sign-off @ 0100 (DT-ON)
- 1370 WFEA NH MANCHESTER - 2/1 0109-0130 with Today's hits yesterdays...: 0129:AM 1390 WFEA; under WSPD/WXXI; 1st New Hampshire this round (DT-ON)
- 1400 WRAC PA WILLIAMSPORT - 1/23 0000-0031 with Larry King & WRAC, Lycoming County; poor (DT-ON)
- 1430 WRLT TN MADISON - 1/21 0100 with You've made the switch to Lite Favorite, WRLT-AM Madison, WRLT-FM Franklin-Bridwood-Nashville, the new Lite 100+Huey Lewis song; 1st-timer, poor, just above heavy QRM; Log sez WWRB [Well, mine sez WRLT. I just looked back thru all the Volume 57 issues and it's not mentioned there, so must've happened last Volume year-Ed.] (BS-VA)
- 1480 WTLO KY SOMERSET - 2/4 0600 brief sign-on: Good morning, this is hometown radio, WTLO-Somerset...+Satellite News Net (KVJ-GA)
- WZJY SC MOUNT PLEASANT - 2/4 0600 with sign-on w/SSB, mention of Charleston; fair-poor (WPT-DC)
- WJFC TN JEFFERSON CITY - 2/4 0600 sign-on with SSB after announcement (KVJ-GA)
- 1490 WTVL ME WATERVILLE - 2/2 0100-0146 with OLD, hoen honk, Honk horn if in downtown Waterville contest, under unID with Larry King; 1st Maine this round! (DT-ON)
- 1560 WSLA LA SLIDELL - 1/22 0200 at end of sports call-in with ID as Southern Louisiana's Sports Leader (JR-NY)
- 1580 WLIM NY PATCHOGUE - 2/2 0750 with MoYL (JR-NY)

## MIDDAY TO MIDNIGHT

- 560 WIND IL CHICAGO - 2/10 1700 alone in weird opening with EE ID; weak but steady (BA-GA)
- 580 WILL IL URBANA - 2/10 1848 with detailed wx for bi-cities; some WKHX-590 splash (BA-GA)
- 600 WMT IA CEDAR RAPIDS - 2/10 1708 with end of nx, wx, and into OLD; alone and good signal (BA-GA)
- 620 WTMJ WI MILWAUKEE - 2/10 1727 with ID after song; weak but steady under WDRP (BA-GA)
- 640 WCRV TN COLLIERVILLE - 2/1 1820 with ID, mention of Collierville; weak, under local WGST (BA-GA)

- 680 KSKY TX BALCH SPRINGS - 2/11 1914-1915 very good with tailend of REL pgm; lost at 1915 power drop; not hrd since last season (RJT-NC)
- 720 WGCR NC BREVARD - 1/29 1630-1710 with southern gospel mx, ad for Dave Edwards Toyota-Jeep-Eagle in Spartanburg, SC; network news and INS (?) News, ID @ 1700 ments Gospel Carolina Radio, 720-AM, WGCR, Pisgah Forest; this is audible in daytime in WMYX's absence (KVJ-GA)
- 800 WHOS AL DECATUR - 2/10 2200 with legal ID, C&W mx+NWDRM FM 102.1, over/under WMGY on WSW wire; new (RJT-NC)
- CKLW ON WINDSOR - 2/10 1712 with CL mention and usual real OLD; been looking for this one since moving here 3 years ago! good and alone on channel (BA-GA)
- 850 WYDE AL BIRMINGHAM - 2/8 1800 with International B'casting Net ID with Christian programming (HJH-PA)
- WQAY WV OAK HILL - 2/8 1816 with REL, AM 86, promo for children's Christian programming on Saturday mornings; very strong (HJH-PA)
- 870 WMTL KY LEITCHFIELD - 2/1 1829 with satellite C&W whose DJ was interrupted for sign-off with this result: Got a quote for ya from President Bush...WMTL now ends its broadcast day; sign-off sed they were owned by Rough Rider B'casting Co. of Leitchfield, KY, no SSB; good over WVL and WKAR who has sign-off at WVL LSS (CR-ON)
- 880 KRVN NE LEXINGTON - 2/11 1907 with KRVN Weather Watch; unn; very regular lately with "A" below 10; over KIKR/Cuban (RJT-NC)
- KIKR TX CONROE - 2/11 1909 with non-ID Your Paul Harvey station-KIKR then back to C&W mx; unn (RJT-NC)
- 890 KVOZ TX LAREDO - 2/11 1911-1915 with SS ballads over WLS; lost at 1930 power cut [and antenna switch-Ed.] (RJT-NC)
- 920 WHJJ RI PROVIDENCE - 1/17 2335-0005 with talk show, WHRR [huh?-Ed.], NBC Nx; poor, better after Midnight, then faded (DT-ON)
- WMMN WV FAIRMONT - 1/17 2335-2350 with OLD & 920 WMMN, wx; poor (DT-ON)
- 940 KIXZ TX AMARILLO - 2/9 1824 only second time heard; with ID over/under WPCP (DLH-IN)
- 950 WXLW IN INDIANAPOLIS - 2/1 1801 with ID; good atop others (BA-GA)
- KRRP LA COUSHATTA - 2/11 1932 faded up for a good call ID...then disappeared into the pack (RJT-NC)
- 1010 KLSS IA MASON CITY - 2/2 1810 XLNT with AC+ad cluster for MacGregor's Furniture in Mason City, Charles City and Fort Dodge and Mel Saxon Austin Ford-Lincoln-Mercury in Austin, and promo for Weich Village Ski Trip sponsored by KLSS, Hardees, Wayne Ski and Sports and Pepsi; call ID: Listen white you work to the Class FM, 106 KLSS; not a peep out of CFRB (CR-ON)
- 1030 WMIN MN MAPLEWOOD - 2/2 1830 with NOS off the bird; after Andy Williams' Butterfly had call ID drop-in: AM-1030 WMIN followed by DJ Ed Brand talking about the Oscars and Razzies; fair with no sign of WBZ (CR-ON)
- 1090 WB2B NC SELMA - 2/2 1800 with sign-off by CE, C&W format; fair with WBAL (WPT-DC)
- 1150 WHUN PA HUNTINGDON - 2/3 1805 with wx report by female; good with WMET off momentarily (WPT-DC)
- 1180 WACY MI FENTON - finally bagged this guy 2/11 1718 atop for a few minutes with ad for Tom Young House of Doors...If it wasn't made in the USA, House of Doors won't sell it! (My kinda place-Ed.); 1719 SID 1160 WACY Country 2222+C&W; new (RF-ON)
- WPIE NY TRUMANSBURG - 2/6 1730 with wx 4cast mentioning rain or snow showers and right now it's 39° outside the WPIE newsroom+The Most Beautiful Girl bu Charlie Rich; 1160 getting confusing with WJJD/WAMB/WSKW/WMI/WPIE all running NOS (CR-ON)
- 1210 WBIU LA DENHAM SPRINGS - 2/10 1824 with Valentine Contest promo; fair and alone, no sign of usual WCAU (BA-GA)
- 1250 WXOX MI BAY CITY - 1/19 2150 with two clear IDs as WZYQ (FM), but WQSI ID given at 2300 following C&W pgm (JR-NY)
- 1260 WWDC DC WASHINGTON - 1/19 2337-0015 with MoYL, WWDC-AM 1260 over/under WNDR/WRDZ ('til sign-off) @ Midnight; poor (DT-ON)
- KTTS MO SPRINGFIELD - 2/3 1746 with C&W mx followed by TC and CL; into weather center forecast mentioning light rain over Radio Ranch and 35° sports preceded by jx: KTTS Sports Roundup; fair with WRDZ nulled (CR-ON)
- WRDZ OH CLEVELAND - 1/19 2326-Midnight with GOS mx, REL pgm Hope For Your Future; sign-off @ midnight; under WNDR (DT-ON)
- 1280 WQUE LA NEW ORLEANS - 2/1 2257 blasting in with ID; totally dominant on channel (BA-GA)
- 1360 WNAH TN NASHVILLE - 2/9 1954 killing dominant WSAI with Power Gospel 1360, WNAH slogans; rarely heard from here (DLH-IN)



- 1370 WOCA FL OCALA - 2/5 1832 with call ID: This is NewsTalk 1370 WOCA-promo for Weekend Headliners ending with Tune in again next Saturday afternoon to NewsTalk 1370 WOCA; format change from Log; poor under WSPD (CR-ON)
- 1390 KJPW MO WAYNESVILLE - 2/3 1732 XLNT with ad for Farmers Insurance in Waynesville and Richland+PSA about the Missouri Open Meetings Law followed by TC and simple legal ID+ad for Stage One Hair Styling School followed by KJ Country Weather and ads for American Family Life Insurance and Hout Chevrolet-Geo+and Elvis song (CR-ON)
- 1410 WNCQ NY WATERTOWN - 2/2 2335-0003 with network C&W pgm & Country in Northern New York right here on WNCQ; SNN Nx; poor-medium poor, over KQV (DT-ON)
- KCUL TX MARSHALL - 2/3 1930 fair and alone with ad for Marshall Magic (HS FB team?) video tape of '89 season highlights available from KCUL and K-92 FM by calling 965-1410+promo for HS BKB @ 2030; also hrd at 1959 ending nx from Texas State News Network and legal ID: 1410 AM KCUL Marshall and 92.3 FM KEEP Marshall and TV cable channel 7 (CR-ON)
- 1430 WWGS GA TIFTON - 2/10 1951 with non-stop oldies, except for jx: all alone, XLNT at times (HJH-PA)
- WDIC VA CLINCH - 2/1 1725 with local ads; alone and very good (BA-GA)
- 1450 WOL DC WASHINGTON - 2/10 mostly dominant on the channel with a weaker WPPG; rap mx with female annor (HJH-NJ)
- 1460 WGNA NY ALBANY - 2/7 1720 good with C&W mx by Billy 'Crash' Craddock and several WGNA-FM call IDs; this leaves WROW as only unheard in Albany area (CR-ON)
- 1500 KANI TX WHARTON - 2/4 1957 poor+fair with Texas State Network nx, full-data sign-off, no SSB, but some BBD song as a closer (DLH-IN)
- 1510 WNLC CT NEW LONDON - 1/24 1730-1800 with talk, traffic report, nx, Nutri-System ad, promo for show WNLC New London; poor+fair, took over from CJRS (DT-ON)
- 1570 WFEL MD TOWSON - 2/10 2026 superstrong at this hour on an AU evening, carrying Navy BKB (HJH-PA)
- 1580 WSRF FL FT LAUDERDALE - 2/10 1901 with B:GOS preacher and ID under WKNN; used to be a regular here (JR-NY)
- WEAM GA COLUMBUS - 1/26 1803 with B:GOS mx and several IDs as WEAM (JR-NY)
- WKKD IL AURORA - 2/3 2100 with high school BKB pre-game show from Aurora gymnasium; under WAMJ (JR-NY)
- WAMJ IN SOUTH BEND - 2/3 2050 with high school BKB, local ads (JR-ON)
- WAMW IN WASHINGTON - 1/21 2300 with brief ID, then sign-off mentioning 250 watts; weak (JR-NY)
- WTYO NJ HAMMONTON - 1/26 2318 heard with Mangione tune and ID; QSL claims 7 watts at this time! (JR-NY)
- WBBR SC TRAVELERS REST - 1/26 2245 with sign-off GOS mx pgm, ID as WBBR Radio, Travelers Rest-Greenville, SC (JR-NY)
- WBBR SC TRAVELERS REST - 2/10 1700 in at this time with full ID and into USA Net; good signal, rarely heard (HJH-PA)
- 1590 WERA NJ PLAINFIELD - 1/19 1920-1944 with Everly Bros. Crown Cadillac in Watchung, and IDs (JR-NY)
- WHPY NC CLAYTON - 1/26 1722-1730 with North Carolina News Network Nx, then sign-off mentioning 5000 watts, 500 presunrise (JR-NY)
- WHPY NC CLAYTON - 2/10 1750 good on peaks with C&W mx of the twangy guitar variety (HJH-PA)
- 1600 WNST WV MILTON - 1/19 1653 with C&W mx and ads (JR-NY)
- WBBD WV WHEELING - 1/28 1739 with MoYL and ads (JR-NY)
- KSSA TX COCKRELL HILL - 2/3 2100 good with call ID in SS:Kah eh-seh eh-seh ah, Radio Variedades; after DJ chatter in SS had legal EE ID: This is KSSA-FM McKinney and KSSA Cockrell Hill-Dallas; note spelling, not Hillg as reported in AMS [COCKRELL HILL is the correct name of the city, so just white-out the 's' in your logs-Ed.]; unn, but 1st time hrd on night power (CR-ON)

**REPORTERS:**

- KVJ-GA **KARL JETER**//Stone Mountain, GA//HQ150, ATS-803A, New 4-ft loop
- DT-ON **DON TREFORD**//Scarborough, ON//DX-440 + LW
- DLH-IN **DAVE HASCALL**//Fortville, IN//
- BA-GA **BILL ALISAUSKUS**//Douglasville, GA//
- PFC-VA **PERRY CRABILL**, W3HQX//Winchester, VA//R-5000 + 85' "L" antenna
- CJ-TN **CHRIS JOHNSON**//Memphis, TN//Superadio II
- CR-ON **CHARLES REH**//Leamington, ON//R-390A, Sanserino Loop, Realistic TR-3000 open reel
- BS-VA **BARRY SHINALL**//Cedar Bluff, VA//Pioneer SX-V300 w/factory loop

- RF-OH **RICHARD FRCHO**//Willoughby, OH//R7A, NRD-515, SM-1, Palomar Loop, 80' LW
- RJT-NC **ROBERT TIARA**//Hendersonville, NC//R-5000 + many LWs or 2" Ferrite loop
- JR-NY **JIM RENFREW**//Rochester, NY//HQ-150 + SM-1 ferrite antenna
- HJH-PA **HARRY HAYES**//Wilkes-Barre, PA//Superadio/Superloop
- WPF-IN **WENDELL FORD**//Westville, IN//ICF-2010
- TH-CA **TIM HALL**//Chula Vista, CA//help with unIDs
- WPT-DC **BILL TOWNSHEND**//WASHINGTON, DC//ICF-2010

**SOME ABBREVIATIONS & SPECIAL SYMBOLS USED IN DDXD-E**

Tttest tones OOpen carrier TTime check RRegular schedule QRMinterference QTHlocation  
 SIDsting ID CIDcode ID jAngle mAmusic nxnews wxweather SSBStar Spangled Banner  
 LSRlocal sunrise SRSsunrise skip LSSlocal sunset SSSsunset skip PSRA: Pre-Sunrise Authority  
 PSSA:Post-Sunset Authority HSHhigh school FBfootball BBbaseball HKYhockey BKBbasketball  
 :OO on the hour Hparallel with +to or into \$stereo SSSpanish FFFrench EEEnglish  
 POLpolitical GOSgospel RELreligion or religious ACadult contemporary BBDbig band OLDoldies  
 ROKrock 'n' roll CHRcontemporary hit radio ContChrcontemporary Christian C&Wcountry &  
 western EZLeasy listening UCarban contemporary UPIUnited Press International APAssociated  
 Press MBSMutual Broadcasting System USRNUnited Stns Radio Net NPR: National Public Radio  
 IRNInterstate Radio Net BRNBBusiness Radio Network



73, Bill

**IN THE BEGINNING**

BY JOHN D. BOWKER

HERE IS PART OF THE FINAL LIST OF U.S. BROADCAST STATIONS PUBLISHED BY THE FEDERAL RADIO COMMISSION JUST BEFORE THE FCC TOOK OVER IN 1934. "S" MEANS SHARED; "SH" MEANS SPECIFIED HOURS; "D" IS DAYTIME; "U" IS UNLIMITED TIME, AND "T" SHOWS TRANSMITTER LOCATION.

Frequency (kc)	Call letters	Main studio and transmitter location	Power	Time designation
550, regional	WGR	Buffalo, N.Y.	1 kw	U.
		T-Amherst Township.		
	WDEV	Waterbury, Vt.	500 w	D.
	WKRC	Cincinnati, Ohio	500 w	U.
	KFUO	Clayton, Mo.	{500 w 1 kw LS}	S-KSD.
	KSD	St. Louis, Mo.	500 w	S-KFUO.
	KFYR	Bismarck, N.Dak.	{1 kw 2 1/2 kw LS}	S.H.
	KFDY	Brookings, S.Dak.	1 kw	S.H.
	KOAC	Corvallis, Oreg.	1 kw	U.

**Radio Roundup ... by Pete Kemp**

The Gambling Dynasty continues to evolve. John R. has signed a new contract with WOR-710 to slowly replace his father John A. over the next few months. John A. will still be in the broadcasting arena, investing in other radio stations. The rumor mill has him forming a partnership with former Secretary of the Treasury William Simon.

WNYC has finally made the switch from 830 to 820 and has upped their power to 2,500 watts. They hope to be up to 10,000 watts by the first of July.

It is interesting to note the number of radio disk jockeys who are venturing into the spotlight of TV. Besides Shadoc Stevens add to the list WLUP's Jon Brandmeier with NBC and Rick Dees KIIS-FM/Syndication with ABC.

Die hard Joe Garagiola baseball fans, he will surface on radio to become the host of Baseball Sunday, a new entry from United Syndications Associates. The flagship station will be KCMO. The already have 125 stations signed up. Joe signed a three year contract to host the series.

# Domestic DX Digest - West

DX Catches in the Western U. S. and Canada, with 24-hr. ELT

**Wayne Heinen**  
4131 S. Andes Way  
Aurora, CO 80013  
FIDO NET 108/104  
(303) 699-6335 (prepaid only)

Welcome to new NRC'er Chris Knight! Look forward to your reports. Many thanks to Doug Lamerson for calling about KULA; the Denver Area DX'ers tried 2/12 with no luck. All times ELT.

## DX TESTS!

- 1020 WCIL IL Carbondale  
2/5 Test not heard (TH-CA)  
1180 WLDS IL Jacksonville  
2/11 0525 u/KKAR w/T-40 and tentative ID at 0529. Last hrd in 1983 (CK-CO)

## SPECIAL!

- 1000 KVSD CA Vista  
2/8 2347 Per station will change calls 2/12 but won't tell me to what. Doubtful on format change. (TH-CA)  
1460 KULA HI Kailua  
2/11 AN New 5kw station running continuous test tape loop with Code and Voice ID's. Testing for inter-modulation per CE. Should be on RS by 3/1 (DL-HI)( Doug, Thanks for the call-ed)

## Midnight to Midday!

- 550 KRAI CO Craig  
2/7 0857 Poor u/KUZZ/KOY w/C&W to Legal ID on the hour. CO #44 (TH-CA)  
620 KJGS CA Hanford  
MM 2/5 0302 Fair w/SS s/off o/song "The Impossible Dream" Former Pest now seldom hrd, Pwr Cut? (TH-CA)  
650 CISL BC Richmond  
2/7 0735 Fair o/XETNT w/Contest Promo, "C-Isle" slogans and lcl ads (TH-CA)  
990 CBW MB Winnipeg  
2/9 0813 Good w/CBC Morning Prgm. Lcl Nx & Wx. Rare since KRKS went NSP (TH-CA) (ditto here-ed)  
1080 KGVY AZ Green Valley  
2/6 s/on mixed w/UNID XE... No SSB... S/on weekends 0900 (TH-CA)  
1420 KMOG AZ Payson  
2/3 0841 Good w/ads for AX lottery & Automotive Place, ID AZ #48 (CK-CO)  
1530 KCLR TX Ralls  
2/9 0724 Poor u/KFBK w/Ranchera, slogans, ments of 5 kw power. Note this is before WCKY LSR. (TH-CA) (We've got a few in Denver who are "Unclear on the Concept" of using the correct power and times of operation too!-ed)  
1530 KCLR TX Ralls  
2/3 0822 Vy good w/SS, Station PH# and call ID. Mexican Mx (CK-CO)

## Midday to Midnight!

- 660 KGDP CA Orcutt  
2/8 1607 Back to these call w/REL. Asking for donations. (RT-CA) 2/5 2324 Same as above. Were they owned by KSNI-102.5 when they were KSMI? (TH-CA)  
750 KOAL UT Price  
2/11 1200 Good w/BBD, ID, ment // FM 98.3 (CK-CO)  
980 KEYQ CA Fresno  
2/8 1400 Noted w/SS & Oldies MM, "K-E-Y AM 9-80 in Fresno and AM 1400 in the South Valley" "9-80 K-E-Y". Legal ID was a quick "KEYQ, Fresno & KEYX Visalla" (RT-CA)  
1030 KDUN OR Reedsport  
2/4 2027-2045 Poor u/KJDJ/XEMCM. NOS, lcl ads, CNN Nx, lcl Wx. "This is the Voice of Dune County, KDUN, Reedsport." OR # 20. (TH-CA)  
1350 KBAD CA Bakersfield  
2/8 1620 Noted w/Heavy Metal Mx, British accented DJ. "Your alternative Radio Station, 13-K, Rock of the 90's" (RT-CA)  
1400 KEYX CA Visalia  
2/8 1530 Noted // to KEYQ-980 but weaker signal except near Bakersfield. (RT-CA)  
1580 KZKL NM Albuquerque  
2/4 1931 Loud after KWYD-C.Spr. pwr cut w/OLD, "Kool 102 FM and 1580 AM" (CK-CO)

**WTCN 1220 AM**  
104 North Main Street  
Historic Stillwater, MN 55082

## UNID's

- 890 UNID 2/5 0634 Poor s/on "KVSB(?) ...etc" Likely KVOZ. (TH-CA)  
990 UNID 2/6 0852 Male ann "good morning it's 6:52 in ??? UT" & C&W. Poss KTLE, but last report they were AC/MOR (TH-CA)  
990 UNID 2/6 Sounded like KVSP ID w/u KKIS. Much wanted. Stomped by XECL s/on (TH-CA)

## CONTRIBUTORS!

- (DL-HI) Doug Lamerson - Hawaii  
(CK-CO) Chris Knight - Pueblo, CO / R-71A, 4' Box Loop, 500' LW  
(TH-CA) Tim Hall - Chula Vista, CA / ICF-2010, Radio West Loop  
(RT-CA) Rich Toebe - I-5 frm SF to LA / Delco Car Radio  
(WH-CO) Wayne Heinen - Aurora, CO / R-390A, 4' NRC loop

**WBIU**  
1210 AM

## The 12-625: Good, but not a 12-655 ... by Paul Swearingen

Ray Cole's discovery of the 12-625 AM/FM portable took us all by surprise. After all, it had been in Radio Shack's catalog since 1985, replacing the Superadio clone, the 12-650, a pricy (\$69.95) clunker whose departure was unlamented. Ray says that his 12-625 is the equal of his 12-655, known popularly as the TRF, and that it "substantially surpassed it in DX capability on the high frequency half". I agree - conditionally.

I plunked down the plastic at my local Radio Shack and bought one on Ray's recommendation. The local manager volunteered the information that he steers customers who want a decent AM portable to this unit, which is built in Taiwan in a Tandy facility. (He didn't know whether or not it utilized the same tuning section as the TRF's.) However, the fact that it has stayed in the catalog for five years indicates that it is of more than passing interest, at least for non-DX'ing customers.

It seems to be of relatively sturdy plastic and sports a switchable AFC for FM, a decent speaker which reproduces clear sound (but not as "bassy" as a GE Superadio) via a continuous tone control. The tuning control is a tad spongy, but acceptable, and the other knobs are large enough to accommodate even the stiffest fingers. The antenna slides into the case, and the folding handle is quite strong. As you might expect, it has no external antenna jacks. The tuning dial is a joke, and I suspect that most 12-625's, like mine, will be uncalibrated, with 1600 kHz showing up about 100 kHz low on the dial.

For DX capability, I compared it directly to a 12-655, a 12-656, and a Sony ICF S5W (which is slightly smaller in size). I agree with Ray's statement that the top half of the band, say above 950 kHz is fairly hot, but the lower half just did not compare with even the 12-656. The sensitivity above 950 kHz is adequate for most domestic DX situations, but I had to crank the volume almost to the maximum for stations below 700 kHz. The selectivity is a bit wider than that of the three receivers, resulting in better sound quality than most consumer portables, but compromising DX (I would suspect that you would not want to try to DX split frequencies on this radio). Also, my stronger locals tended to cover more of adjacent frequencies than the other radios; for example, KTOP-1490 extended to 1510 on the 12-625, but I had no trouble picking up KSTP-1500 on the 55W or the 12-655. The 12-625 nulls quite deeply, however, which is a strong point in its favor.

The main problem with this receiver seems to be with the Automatic Gain Control (AGC). I was reminded of '30's era receivers which lacked this necessary component when I tuned especially across the lower end of the dial ... the stronger stations blasted in at relatively low volume settings, while in-between frequencies were dead until I turned up the volume, in some cases nearly all the way. The S5W's AGC levelled the volume to something approaching even all the way across the band, so that a listener would have to set the volume just once to a comfortable level on any frequency. Perhaps the AGC isn't so much to blame as is the tuning section, however, but I have no way of speculating on the cause of this unpleasant phenomena.

The FM section was pleasantly surprising. The S5W (and many portables) is notorious for overloading in the presence of local FM stations, but the 12-625 seems to reject excess signals, even some cross-mod which shows up on the S5W. On the other hand, the S5W is more selective, allowing more distant stations to slip in between my local blasters than on the 12-625. I'd rate the 12-625 as at least adequate but not exciting as to its FM section.

I did take off the back and tweak up both the AM and the FM; the signal strength on both seemed almost at the top, but I had to realign both the FM and the AM bands so as to match up more closely with the dial numbers. By the way, the front pops right off the 12-625 (after you remove five screws in the back and the three front knobs) so that if you wish to create a more accurate dial face and paste it over the original, you may easily do so.

My overall feeling about the 12-625 is that the AM section is not quite a worthy successor to the 12-655, but that for only \$10 more than the original price of the 12-655 you get a decent FM and very good sound. At \$39.95, it will be about \$10 to \$20 cheaper than a Superadio (if you can still find one) and available at any Radio Shack. If you need a DX portable, the 12-625 will perform adequately for you if you cannot find a Superadio, but if you are looking for a replacement for your TRF, S5W, Superadio, or most other accepted low-cost DX portables, don't bother. It is definitely worth the price, however, and I suspect that most dyed-in-the-wool DX'ers will use it as a back-yard or garage portable so that they can listen to the more distant stations without having to haul the R-1000 out of the DX shack. On the other hand, those living in the shadow of both AM and FM towers will not fit this radio of much use for DX'ing. The 12-625 is very good ... but not great.

I suspect that my sample was not as hot as Ray's. Perhaps the technicians among us can figure out how to hot-rod one to bring it up to the "great" standard ... there's plenty of room for add-ons inside the case. But that's not for me ... I hit my technical max when I tweaked it up!



# International DX Digest

## Chuck Hutton

983 St. Charles Ave., #1  
Atlanta, GA 30306  
(404) 892-6211, before 2300 ELT  
Foreign DX Catches. Times are UTC; for ELT, subtract 5 hours

- 1503 UNID TA(?) very weak sig hetting 1500 2/4 0600-0620, verified w/bfo. No audio hrd. This and other assumed TA's listed below from 2/3 and 2/4 were heard during weird band conditions here; seemed like apartial aurora...ionospheric noise, reception to W and NW poor, while Cubans and other LA's were in strong, especially Anguilla- 1610. E and NE reception about par. DF on these TA's were all roughly ENE/WSW (Mediterranean/North Africa by great circle). Aurora hit full blast on 2/5. WCCO gone, Chicago poor to gone, but WBZ not too bad. Is it normal to get enhanced NE reception just before an aurora? (Froho) A lot of us think so, I remember in the mid 70's Vinnitsa 1546 was commonly heard at the beginning of disturbances, and lots of guys would notice the upper part of the band (and only the upper part) would be enhanced at the beginning of the storm. I guess Togo - Chuck
- 1555 CAYMAN ISLANDS R. Cayman has been in almost every night here, but was especially good 2/10 0303 w/male w/strong British accented EE reading nx (BBC nx?), then woman w/Caribbean accent reading local nx at 0310. A nice steady S9. (Froho)
- 1557 UNID TA weak sig hetting 1550 2/3 and 2/4 0600-0620, verified w/bfo, no audio heard. Same DF and band cx as 1503. (Froho)
- 1566 TUNISIA Sfax 2/4 2319-2330 good signal in the clear w/male acapella AA vocal; very slow vocal mx, probably religious. (DeLorenzo)
- 1566 UNID TA poor but steady sig 2/3 0600-0620 w/audio, but couldn't make out lang. Also 2/4 0600-0610 but weaker and no audio. Same DF and band cx as 1503. (Froho) Sfax? CH
- 1575 UNID TA weak sig, no audio heard 2/3 and 2/4. Same DF and band cx as 1503. (DeLorenzo)
- 1584 UNID TA very weak sig, no audio hrd, 2/4 0600-0620. Verified freq with BFO. Same band cx and DF as 1503. (Froho)
- 1593 UNID TA poor sig hetting 1590, no audio discernable due to heavy 1590 slop, 2/3 and 2/4 0600-0620, verified freq w/bfo. Same DF and band cx at 1503. (Froho) Germany? CH

Marc DeLorenzo - Sandwich, MA  
Rich Frcho - Willoughby, OH  
(2 rx's/ant's per stn!)

GE World Monitor, SM2  
R7A, NR0515, SM1 loop, Palomar  
loop, LW

## Radio Roundup ... by Pete Kemp

Peter Brown is WIP's new 10 am to 1 pm sportscaster, replacing Joe Pellegrino.

One of Radio's original bad boys Joey Reynolds has surfaced on WIOD doing a Saturday afternoon gig. In addition, veteran talker Alex Bennett has also joined the station. Bennett had most recently been in San Francisco.

WKZX in Presque Isle, Maine has pulled the plug after 58 years.

WJOY has become the first all-news station in Vermont. They will employ the services of CNN Headline News and will be expanding its news department.

Two longtime veterans of Philadelphia's radio world, Ed Hurst and Joe Grady will be inducted into the Broadcast Pioneers on May 7th.

National Public Radio's All Things Considered is being beamed to the Soviet Union for airing. In return the U.S. receives Radio Moscow's long running shortwave program Moscow Mailbag.

## Station Address Changes

Supplied by NRC members and other sources

Editor: Gayle Yeager

Address: Jerry Starr  
c/o WHOT Radio  
4040 Simon Road  
Youngstown, OH 44512-1320

570	WNWC	NC	ASHVILLE	P.O. BOX 6447	28816	RV-VA
630	CKRC	MB	WINNIPEG	300 CARLTON STREET,	P.O. BOX 9700 R3C 3E5	HF-MI
630	WLAFL	KY	LEXINGTON	Zip Code Change Only -	40577-1670	HF-MI
640	WGST	GA	ATLANTA	550 PHARR ROAD NE	30363	HF-MI
650	WKKQ	MN	NASHWALK	P.O. BOX 1060,	HIBING, MN 55746	HF-MI
670	KMVP	CD	THORTON	c/o KDHT, 9351 GRANT STREET # 550	80229	WH-CO
670	WVFE	FL	MIAMI	2381 WEST FLAGLER STREET	33135	GV-PA
680	KNBR	CA	SAN FRANCISCO	1700 MONTGOMERY STREET	94111	HF-MI
680	WPTF	NC	RALEIGH	3012 HIGHWOODS BLVD.,	P.O. BOX 29521 27626	HF-MI
680	WDAW	WV	CHARLESTON	P.O. BOX 4318	25304	HF-MI
710	WREM	ME	MONTICELLO	P.O. BOX 160	04760	SM-MA
790	WSEW	MI	SAGINAW	P.O. BOX 1945,	1795 TITTABAWASSEE RD. 48605	HF-MI
820	WXEZ	IL	CHICAGO	875 NORTH MICHIGAN AVENUE, # 3201	60611	WH-CO
850	CKBA	AB	ATHABASCA	BOX 1800	T0G 0B0	MS-AB
930	WEDL	OH	ELYRIA	538 BROAD STREET,	P.O. BOX 4006 44036-2006	HF-MI
1020	WPEL	IL	EAST PEDRIA	1708 HIGHVIEW ROAD	61611	WH-CO
1020	WNTK	NH	NEWPORT	R.R. # 1, BOX 249,	NEW LONDON, NH 03257	SM-MA
1030	WNTL	MD	WALDORF	BOX 1650	20604	GV-PA
1150	WCUE	OH	CUYOHOGA FALLS	4075 BELLAIRE LANE,	PENINSULA, OH 44264	BW-MI
1180	WJNT	MS	PEARL	2708 OLD BRANDON ROAD,	JACKSON, MS 39209	HF-MI
1200	WDAI	TX	SAN ANTONIO	6222 NW INTERSTATE HIGHWAY 10	78201	HF-MI
1250	KTFJ	IA	SIOUX CITY	ROUTE 2	51106	WH-CO
1260	WTKL	LA	PORT ALLEN	2777 ROGEDALE ROAD	70767	WH-CO
1270	WYYN	FL	TALLAHASSEE	325 JOHN KNOX ROAD	32303	WH-CO
1270	WUCD	OH	MARYSVILLE	709 EAST 5th STREET	43040	RV-VA
1300	WZZZ	NY	FULTON	LAKE SHORE ROAD	13069	J*-OH
1330	WCVC	FL	TALLAHASSEE	117 1/2 HENDERSON ROAD	32312	WH-CO
1380	KCIM	IA	CARRROLL	P.O. BOX 886	51401	HF-MI
1420	WIMS	IN	MICHIGAN CITY	685 EAST NORTH STREET	46360	WPF-IN
1450	KDMN	CO	BUENA VISTA	P.O. BOX 2044,	301 EAST MAIN STREET B1211	WH-CO
1460	KWES	CO	COLORADO SPRINGS	P.O. BOX 320	80901	JW-CO
1470	WSRO	MA	MARLBORO	48 FITCHBURG STREET,	BOX 566 01752	AR-PQ
1500	KSTP	MN	ST. PAUL	2792 MAPLEWOOD DRIVE	55109	HF-MI
(Note: Address is St. Paul, MN not Maplewood, MN as in Log.)						
1520	WDSL	NC	MOCKSVILLE	Zip Code Change Only -	27028	RV-VA
1550	WLXV	CT	BLOOMFIELD	2 WINTONBURY AVENUE	06002	TF-CT
1570	WDBS	IN	JEFFERSONVILLE	220 POTTER'S LANE	47131	WH-CO
1580	CEJ	PQ	CHICOUTIMI	500 RUE des SAQUEBENS	67H 5E7	HF-MI

**** CONTRIBUTORS ****	
HF-MI	.. HAROLD FRODGE, MIDLAND, MI
TF-CT	.. TONY FITZHEBERT, BRIDGEPORT, CT
MS-AB	.. MIKE STONEBRIDGE, FOX CREEK, AB
WPF-IN	.. WENDELL P. FORD,
AR-PQ	.. ANDY RUGG, NUN'S ISLAND, PQ
RV-VA	.. ROBT. VANCE, FT. BELVOIR, VA
SM-MA	.. STAN MORRS, BOXFORD, MA
BW-MI	.. BOB WALKER, WIXOM, MI
J*-OH	.. JERRY STARR, YOUNGSTOWN, OH
WH-CO	.. WAYNE HEINEN, AURORA, CO
JW-CO	.. JOHN WILKINS, WHEAT RIDGE, CO
GV-PA	.. GEORGE VANISH, TRUCKSVILLE, PA

## WPAT tops radio ratings

THE Arbitron radio ratings for Sept. 21-Dec. 13, released yesterday, were good news for news-talk outlets, but had news for most contemporary music stations.

While overall listening was down from a year ago, easy-listening WPAT-FM was up, enough so to take the ratings crown. The station went from a 4.3% share of the audience in the prior survey, to a 5 share. Sister station WPAT-AM had a 1.3 share, so the two combined averaged a 6.3 (a relatively low winning figure).

Second place went to WLTW (Lite-FM), which had a 4.7 share, down from a 5.7. All-news WINS was next with a 4.7, up from a 4.5, and all-talk WOR had a 4.6, up from a 4.3.

Perennial champ WHTZ (Z-100) was hard hit, winding up in fifth place with a 4.3, down from a 5.7. It's the first time the top-40 rocker has not

been No. 1 in the past 10 surveys (2 1/2 years). "It's a puzzlement," said Z-100 ratings analyst Stu Nair. "Maybe it was due to all the major news events. Or maybe the (starey) diaries were distributed largely to older listeners. But, we should rebound."

Rock-olides WBSB-FM was in sixth place, with a 4.1, down from a 4.2. WRKS (Kiss-FM) followed with a 4.1, and WQHT (Hot 97) was next, with a 4.0. Next in line: WBLS (3.8), WNEW-FM (3.7), WNSR (3.5), WBSB-AM (3.5), WXRK (3.1), WPLJ (3.0), WABC (2.8), WFAN (2.7), WJNY (2.5), WNEW-AM (2.3), WQCD (2.3) and WLIR (1.7).

WMCA, which went all-religion in mid-September, for the first time in the station's history didn't make the survey because it didn't have enough of an audience.

WINS was No. 1 in the morning, followed by WOR's "Rambling With Gambling." WBSB-AM, K-Rock's Howard Stern and Z-100's "Morning Zoo," WLTW was No. 1 in the afternoon.

- G.M.

New York Daily News  
-via Ed Janusz

# Station Profile

**Tony Fitzherbert**

356 Jackman Avenue  
Fairfield, CT 06430

*A special feature concerning a unique station*



RADIO CLUBE PORTUGUES

Almost every major market has at least one radio station programming exclusively to the area's Black or Hispanic community. In some cities, the AM dial will reveal stations broadcasting exclusively to the Greek, Mexican, or Native American culture. Providence, RI is the location for the USA's only AM Portuguese radio station. Owned by a Portuguese businessman, WRCP-1290 broadcasts to a market of over 255,000 Portuguese Americans in Rhode Island,

and the former whaling ports of New Bedford and Fall River, in southeastern Massachusetts. "Radio Clube Portugues" airs music, news, talk, sports, and features to the thousands of appreciative families in which the primary language is Portuguese. Except for Spanish from 9:am to 1:pm weekdays, and the "legal ID", Portuguese is heard exclusively on WRCP.

WRCP grew from humble beginnings in 1947, broadcasting from studios in the R.I. Auditorium. Lou Pieri, owner of the Rhode Island Reds Hockey team (named for the chicken that was originally bred in the Ocean State), and founder of the little station, applied for the call WICE because of the station's location - in an ice hockey arena. The station, a low powered daytimer, operated on 1290 khz, as it does today. The signal was broadcast from a single tower in the Providence River, near WRIB - 1220's tower which today is located on a reef in the same estuary, just north of the I-195 Bridge.

The studio was in the auditorium until 1959, when it moved to larger quarters in the Crown Hotel, and in 1960, the station moved to 198 Dyre Street, sharing the building with the Social Security Administration.

In 1959, WICE applied for 5000 watts days, and 1000 watts at night, and obtained a construction permit for a three tower array at its present site on the shore of a pond. The two end towers were 191 feet high, and the center tower was 300 feet tall - which was later replaced with a third 191 foot high tower.

In 1960, WICE dropped its middle of the road programming and went to the Top 40 format which brought many stations to the top of the ratings in their markets. WICE was no exception. Through the 1960's. "The Golden Great" and WPRO-630 battled to be first in the Providence ratings book. The two stations frequently swapped the #1 and #2 positions through the 1960's and no other area station came near them.

In 1975, FM had sealed the fate of "The Golden Great", and WICE went to a talk format. Sherm Strickhauser, now a popular local talk host on WPRO, began on WICE in 1975. In 1978, the station was sold, and the studios were moved to the transmitter site at 1110 Douglas Avenue, North Providence. In 1979, WICE went to a country format. In 1980 and 1981, religious programming was mixed with the country music.

In 1981, WICE began with Portuguese programming on weekends, and then added daily Portuguese features - much to the pleasure of the area's Portuguese residents. The station was again sold in 1982 to Neto Communications, Mr. Neto being a prominent business leader in the Portuguese community.

Today, the studios and transmitter occupy the lower floor of 1110 Douglas Avenue, and WRCP's offices are upstairs. The building was built over the station's original transmitter shack. The studio area houses the control room, a record library, the news room, and a production studio. WRCP feeds its signal into its three towers (the middle is out of line) from its harris MW5A transmitter, and the backup is a Collins 21E.

All programming is live assisted, except for the Sunday Portuguese Mass from St. Francis of Xavier Church, in Providence, and three other religious programs.

The station applied for WRCP - for "Radio Clube Portugues", when WRCP-1540, in Philadelphia dropped the call for WPCR ("Philadelphia Gold Radio").

WRCP programs numerous features for its Portuguese listeners. Between 5:pm and 7:pm, Natercia Conceicao hosts a telephone talk show, featuring guests who discuss issues of concern to the Portuguese community. On Sunday evening, a sports talk show airs.



NETO COMMUNICATIONS (401) 273-7000

1110 Douglas Avenue North Providence, RI 02904



During the remainder of the time, WRCP broadcasts music by Brazilian and Portuguese artists. Listeners are encouraged to phone their requests to the Request Line. The station competes only with WJFD-FM, in New Bedford, a Portuguese station.

From September through June, WRCP carries soccer matches, relayed by satellite, from Portugal and other European countries where Portuguese teams play. The immense popularity of these matches is measured by the volume of telephone calls received by the station when its fails to air a big game - the phone rings off the hook!! Local soccer is carried live from April to October.

During morning drive, local news from Rhode Island, Fall River, and New Bedford Portuguese communities is aired every half hour. This news is augmented by feed by AP from Portugal. (English AP feed is also translated into Portuguese for WRCP's news). Three times each day, the international money exchange rates are announced.

When WRCP increased its night power to 5000 watts, a move to strengthen its signal in New Bedford and Fall River, its signal was radiated off the reflectors on a support cable for a nearby microwave tower, much to the delight of an Inverness, Scotland DX'er. The situation was corrected by Jim Andrews, and reception of WRCP has not since been reported by the residents of this northern Scottish fishing port. The WRCP signal is pushed south southeast to protect WKNE-1290, Keene, NH, WCCC-1290, Hartford, and WGLI-1290, now silent, in Babylon, NY.

WRCP is a very unusual station - the only AM Portuguese station in the US. Additionally, it is every bit a full service station for its highly specialized audience - every bit as comprehensive as an English full service station. WRCP is an appreciated and integral part of the Portuguese culture in its service area.

The editor would like to thank Jose DePaz, WRCP General Manager and Jim Andrews, C.E., for all of their help in preparing this Station Profile. Jim would appreciate reception reports, and will verify correct reports. His comment: "What chief engineer would not like to hear how his signal is getting out?"

CHICAGO metro Arbitrons						
Fall 1989 (vs previous "books")						
	F89	Su89	Sp89	W89	F88	
1	WGN-720	10.7	9.3	9.1	9.5	8.6
2	WGCI-107.5	7.3	6.7	6.2	7.4	6.7
3	WVAZ-102.7	5.1	4.9	4.7	6.0	4.3
4	WBBM-780	4.9	5.5	5.3	4.8	6.0
5	WLUP-97.9	4.1	4.4	4.8	4.8	4.3
6	WBBM-96.3	4.0	3.6	4.1	3.8	3.2
7	WYZZ-94.7	3.8	3.7	4.4	3.6	3.0
8	WLUP-1000	3.7	3.5	2.5	3.1	2.8
9	WUSN-99.5	3.5	3.7	2.7	3.4	3.0
10	WCKG-105.9	3.4	3.8	4.1	4.0	4.3
11	WXRT-93.1	3.4*	2.3	2.7	2.7	2.4
12	WJJD-1160	3.2	2.6	3.0	2.7	2.3
13	WXEZ-100.3	3.2*	3.5	3.6	4.7	5.6
14	WJMK-104.3	3.1	3.5	2.8	3.4	4.2
15	WKQX-101.1	3.1	4.4	4.0	3.1	4.1
16	WTMX-101.9	3.1	2.6	2.6	2.7*	3.0*
17	WLIT-93.9	2.8	2.0	3.0	3.6*	3.2
18	WNVA-95.5	2.3	2.1	2.3	1.3	2.5
19	WMAQ-670	2.1	1.8	1.8	1.6	1.4
20	WFYR-103.5	1.8	1.6*	2.0	1.9	1.8*
21	WNIB-97.1	1.8	1.3	1.2	1.3	1.4
22	WLS-890	1.4	1.4	1.6	1.6	1.6

	F89	Su89	Sp89	W89	F88	
23	WIND-560	1.2	1.4	1.0	.5	.8
	WOJO-105.1	1.2	1.9	1.7	1.6*	1.2
25	WFMT-98.7	1.1*	1.3	1.4	1.2*	1.3
26	WVON-1450	.8	1.0	.9	.9	1.4
27	WLNR-106.3	.7	.6	.3	.7	.8
28	WYLL-106.7	.6	.5	.3	-.*	.4
29	WGCI-1390	.5	.6	.6	.4	.3*
	WXEZ-820	.5*	.6	.9	.5	.5
	WYCA-92.3	.5	.5	.3	.4	.4
32	WYSY-107.9	.4*	.6	.4	.6	.8
33	WJOB-1230	.3	.4	.4	.3	-.*
	WTAQ-1300	.3	.4*	.6	.4	.4
35	WJPC-950	.2	.2	.2	.2	.3
xx	WAST-103.9	-.*	.3	-.*	-.*	-.*
	WBUS-99.9	-.*	.3	.5	.3	-.*
	WJOL-1340	-.*	.4	.3	.3*	-.*
	WJZQ-95.1	-.*	.3	.3	-.*	-.*
	WLLI-96.7	-.*	.3	-.*	-.*	-.*
	WVWX-103.1	-.*	.3	-.*	-.*	-.*
	WXLC-102.3	-.*	.3	-.*	-.*	-.*

¢: Full am/fm simulcast  
 \$: major station change(s) that "book"  
 \*: minor station adjustment(s) then

-via Mark Strickert

## The Answer Man

R. J. Edmunds

753 Valley Road

Blue Bell, PA 19422-2052

"No Question Is A Dumb Question"

Answers to members' questions, from the basic to the technical

It must be that time again! The NRC Answerman is back! As of this column, I've cleared out any backlog, so the only questions received as of 2/1/90 which aren't answered are those which have arrived after that date. Hopefully, we'll get to them next time!

**QUESTION:** A friend of mine just rediscovered an old radio set from his childhood, and is thinking of restoring it. It is a one tube set, which he obtained in the early 1920's, called an RCA Radiola III. He thinks that the tube number was WD-11. Is there anywhere he can obtain a tube and batteries for his set?

**ANSWER:** The radio in question was manufactured in 1924, and your friend's memory is accurate about the tube. This was a simple detector circuit with one audio stage. I have seen WD-11's advertised for sale (at a fairly significant price) in various radio publications in the past. A good source might be amateur or other radio flea markets. There are a few firms which still specialize in such things, although I've no names in mind at present. The tube should be available, but the price may be a problem. Original batteries would have long since disintegrated, and to my knowledge, no one has made replacements for restoration. At that point, it would be necessary only to supply a battery of the proper voltage and current rating to power the unit. If no one else in the audience can supply further details, I may be able to determine those values, if I can find the material in my archives.

**QUESTION:** I need to purchase a new set of tubes for my HQ-140X -- where can I get them? Where can I obtain a manual for it also?

**ANSWER:** Tubes are still available from some of the national mail-order electronics suppliers, as well as from some (older, long-established) radio-TV sales or service stores. Tubes are also available (although not always in mint condition) at amateur radio flea markets. Since replacing all of the tubes could be an expensive proposition, I'd suggest that you try to test them at a TV service store to see which ones actually need replacement. It would be very rare to need to replace them all. As to the manual, my archives contain several copies of owners' manuals for Hammarlund receivers, but none for an HQ-140X. Perhaps one of our other readers can obtain one -- if so, contact the editor.

**QUESTION:** The S-meter on my communications receiver doesn't seem to operate correctly. It goes right up to the pin on any sort of a signal, and doesn't come down unless there's hardly any signal at all, and no noise or adjacent channel splatter. It doesn't seem to respond to nulling with the loop, either. It does come down when power is shut off. What is the problem?

**ANSWER:** If you can cause the meter to drop by lowering the setting on the control marked either "RF Gain" or "Sensitivity", then your problem is one of overload, and it can be corrected by recalibrating the meter. To determine which method to use to do this, start with the receiver tuned to a place where there is little noise and signal. If the needle still stays stuck, the meter damping control (or zero adjust control) on the face of the meter may need to be backed off to the left. Do it one-quarter turn at a time until the needle comes back down. Then tune to a moderate signal, one which shouldn't pin a normal meter, and repeat the process. If this doesn't work, it may be that the receiver is feeding too much voltage into the S-meter circuit. (Many manufacturers specify a standard of 50 uv. (microvolts). Refer to your owners' manual for tips, or find someone locally who has the necessary knowledge and equipment to do it for you. If you know of a local amateur radio operator, that would be a good (and probably inexpensive) start. You might also try using a short-wire antenna to test with (less than 6 feet in length). If that solves the problem, and if you're using an amplified loop, you may need to reduce the gain from the loop amplifier.



**QUESTION:** My Space Magnet SM-2 antenna doesn't work. It doesn't seem to matter if the power is on or off, if the tuning knob is turned, or if the antenna is rotated -- it just acts like a short piece of wire. What could be wrong? Is there someone who can fix it?

**ANSWER:** It doesn't sound like a bad battery, which I assume you've already checked anyway. It does sound like it might be a broken wire from the antenna to the receiver. That can be checked out as follows. Get a small portable battery-powered AM radio, and, using string or rubber bands, attach it to the SM-2, so that the internal antenna of the radio is parallel to the SM-2's bar. Tune in a weak station and rotate the antenna. This should make a difference in the signal, and indicate that the basic antenna is still working. If so, remove the portable, and remove the SM-2's cover. Check the condition of the wires which connect to your receiver. (While you're at it, make sure that you don't have a broken wire at the antenna terminal inside the receiver.) If so, it will need to be replaced, which should be a simple operation. If none of this helps, you'll have to hang on until we get a response from someone else who can fix it or might have had the same experience. [ The requestor lives in IL. ]

**OTHERNESS:** A reader wrote in reference to the call sign allocation question a while ago. It seems that because ships plying the East Coast used "K" prefixes, and those on the West Coast the "W", that it should be reversed for land-based broadcast stations.

I just received a catalog from a local outfit which obtained my name from somewhere (maybe here, hi) advertising a number of publications. If you're interested in up-to-date radio publications, write for a copy of the catalog from DX Radio Supply, P. O. Box 360, Wagontown, PA 19376-0360.

Another reader notes our prior discussion of split frequencies, and frequency measurement. He notes that the European Band Plan is based on a very simple formula, with which you can drive the corresponding next highest European frequency from a given US frequency, as follows:

Starting with 550 kHz., take the sum of the digits, in this case, ten, and then, if it is over nine or over, which ten is, subtract from eighteen, yielding eight. The split is therefore 558 kHz. Doing another, start with 1350 kHz. The sum is exactly nine, therefore, subtracting from eighteen yields nine, the next split is 1359 kHz.

For a third, 1200 kHz., the sum is three, which, being less than nine is subtracted from nine, yielding six, for 1206 kHz.

This also works for longwave, assuming that you start with an even frequency, even despite our lack of longwave here in the Western Hemisphere.

**KUDOS:** At this point, since it's been a while since I last did so, I'd like to express my thanks, and thanks on behalf of the readers and requestors as well, to those members who have continued to support the column by providing answers and information, in no particular order: Perry Crabill, Jr., Frank Merrill, Ray Cole, Graham Maynard, and Chris Cuomo. Thanks to all, and more next time! 73s...

GROUND WAVE, SKY WAVE

by  
John D. Bowker

One of the more confusing aspects of trying to learn about radio waves and how they travel out from the station's antenna is picturing the "ground wave" every text book mentions as being the most important of all the waves for reaching most listeners. Does this mean that some of the radio signal travels through the ground? Well, maybe just a little, but at medium wave (standard AM broadcast frequencies) they don't. Obviously we need a good definition of "ground wave".

Picture all the radio energy going off the radio tower upwards, downwards, and at all angles. Fine, except not too many people live above the radio tower nor out at any upward angle (unless the tower is in a valley). The energy going off the tower straight out horizontally is the "ground wave"; this is the energy that is obviously aimed at most listeners and that's why it is considered so important.

The energy going out at a small upward angle from the tower is the "tropospheric" wave and the energy leaving the tower at a steeper angle is the "ionospheric" wave.

Much of the energy that leaves the tower in a downward direction is reflected more or less upwards by the earth and, therefore, falls into one of the categories above. Of course, the taller the tower, the more of the negative-angle energy that goes out toward the horizon adds to the overall ground wave. That's why tall towers are favored by the engineers (but not by the station's treasurer, usually).

The ground wave is the most important part of a station's signal. It provides a non-fading signal to radio receivers within its range. A ground wave may follow the curvature of the earth a little...a very little. It is really the meat and potatoes of a station's coverage pattern.

The tropospheric wave travels out and provides some additional coverage due to bending of the signal path by the lower atmosphere.

But the main portion of the radiated signal is out and upward. This "ionospheric" wave continues its upward path during daylight hours until absorbed by an ionized layer (called the D layer) that is about 30-50 miles above the earth's surface. The D layer is highly dependent upon the sun's ultraviolet rays for its source of energy. So, at night, the D layer disappears. This allows the upward bound radio waves to continue until they reach an altitude of about 70 miles. There they hit the E layer that reflects such medium wave signals as used for domestic broadcast. The E layer is not perfectly uniform; in fact, it is a rather uneven mirror and rarely the same hour to hour. And it is frequency dependent. That means it might reflect the signals of stations in one part of the broadcast band in one direction and the signals of other stations in quite a different direction. And yet, we are all familiar with the reliability of some dx station signals at night -- stations that come in strongly most nights of the year -- and their presence is made possible by the E layer.

Any dx'er has experienced the sound of a distant station at night become very thin -- that is, all of the bass notes of an orchestra fade out or an announcer's voice becomes muffled. That is because the E layer is selectively reflecting some of the frequencies that make up the sound portion of the radio signal! Listeners to overseas short-wave music broadcasts would agree that the fidelity usually cycles from decent to terrible several times an hour most nights.

So the real trick as a broadcaster is to figure out how to get more of the AM station's energy to go out from the tower horizontally -- after all, that's where most of the listeners are. Just recently, near Washington, DC, an experiment has been started to test some new AM antenna ideas. Jerry Starr has mentioned their tests at 1660 kHz in his AM Switch column in DX News. If you have a radio that can tune to 1660 kHz, you might give them a listen.

Report No. DC-1572

ACTION IN DOCKET CASE

February 15, 1990

FCC DENIES RECONSIDERATION OF ORDER ADOPTING NEW RULES  
TO IMPROVE THE QUALITY OF AM BROADCAST SERVICE  
(MM DOCKET 88-376)

The Commission has denied requests by three entities for reconsideration of its order adopting new rules to improve the quality of the AM broadcast service by reducing adjacent channel interference and eliminating restrictions pertaining to the protected daytime contour.

The National Radio Systems Committee (NRSC) formulated the two new standards to reduce adjacent channel interference and improve the fidelity of AM broadcast systems. One standard, NRSC-1 audio standard, relates to the way audio is processed before entering the transmitter; and NRSC-2 emission standard specifies the maximum RF emissions radiated from the transmitter. Used together, these standards improve the quality of AM fidelity by reducing adjacent channel interference levels and employing pre-emphasis of upper mid-range audio frequencies. The standards would require stations to limit both their transmitter audio and the amount of audio pre-emphasis they employ.

The Commission adopted NRSC-2 emission standard, effective June 30, 1990. It also adopted a presumptive compliance approach wherein stations using NRSC-1 audio processing would be presumed to comply with the NRSC-2 emission standard until June 30, 1994, at which time only the emission standard would rule.

The Daytona Group, Inc., Magrill Engineering, and Gillen Broadcasting, Inc., asked the Commission for reconsideration of its decision contending that: 1) there has not been an adequate study to establish the existence of second adjacent channel interference problems; 2) there has been no research to indicate how much, if any, interference is acceptable; and, 3) there is no reason to expect receiver manufacturers to build better quality receivers as a result of the new rules unless the Commission mandates receiver standards.

Denying reconsideration, the Commission said the petitioners had presented no new evidence or change in circumstances which would warrant reconsideration of its decision.

# Bandscans

**Chris Cuomo**

670 Third Avenue  
Verona, PA 15147-1349

Audible stations from a DX'er's location at given times.

Mike Csorbay  
Canfield, ON  
December 22, 1989  
Sony ICF-2010, Palomar Loop

530 CJFT FORT ERIE  
CFYZ Toronto

540 CBEF Windsor

550 WGR Buffalo, NY

560 CFOS Owen Sound

570 CHYM Kitchener  
WKBN Youngstown, OH

580 CKWW Windsor

590 CKBY Toronto

600 WSOM Salem, OH

610 CKTB ST. CATHERINES

620 WHEN Syracuse, NY

630 CFEO Chatham

640 CFGM Richmond Hill

650

660 WMIC Sandusky, MI  
WFAN New York, NY

670

680 CFTR Toronto

690

700 WLW Cincinnati

710 CHYR NIAGRA FALLS  
CHYR Leamington

720 WGN Chicago, IL

730 WPIT Pittsburgh, PA

740 CBL Toronto

750

760 WJR Detroit, MI

770 WABC New York, NY

780 WBBM Chicago, IL

790 CIAO Brampton

800 CKLW Windsor

810

820 CHAM HAMILTON

830 WLND Cortland, OH

840 WHAS Louisville, KY

850 WRMR Cleveland, OH

860 CJBC Toronto

870 WHCU Ithaca, NY

880 WREF Columbus, OH  
WCBS New York, NY

890

900 CHML HAMILTON

910 CKLY Lindsay

920 CKNX Wingham

930 WBBN Buffalo, NY

940 WGRP Greenville, PA

950 CKBB Barrie

960 WWJ Detroit, MI

970 CIAM CAMBRIDGE  
WEBR Buffalo, NY  
WFUN Ashtabula, OH

980 CFPL London

990 WEZO Rochester, NY

1000 WLUP Chicago, IL

1010 CFRB Toronto

1020 KDKA Pittsburgh, PA

1030 WYSL Avon, NY

1040 WJTB North Ridgeville, OH

1050 CHUM Toronto

1060

1070 CHOK Sarnia

1080 WUFO Amherst, NY

1090 CKKW Kitchener

1100 WWWE Cleveland, OH

1110 CKTY Sarnia

1120 WHTT Buffalo, NY

1130 WCXI Detroit

1140 WCJW? Warsaw, NY

1150 CKQC HAMILTON

1160

1170

1180 WHAM Rochester, NY

1190 CJMR MISSISSAUGA

1200

1210 WCAU? Philadelphia, PA

1220 CHSC ST. CATHERINES  
WGAR Cleveland, OH

1230 WECK Cheektowaga, NY

1240 WJTN Jamestown, NY  
CJCS Stratford

1250 CHWO OAKVILLE

1260 WRIE Erie

1270 WHLD NIAGRA FALLS, NY

1280 WPKY Rochester, NY  
WKST New Castle, PA

1290 CJBK London

1300 WXRL Lancaster, NY

1310 WNAE Warren, PA

1320 WHHO Hornell, NY

1330 WEYZ Erie, PA  
WSPQ Springville, NY

1340 WLVL Lockport, NY

1350 CKAR Oshawa

1360 WNOW Conneaut, OH  
WMNS? Olean, NY

1370 WNCB? Corry, PA

1380 CKPC BRANTFORD

1390 CHOO Ajax

1400 WGKT Buffalo, NY  
WLKK Erie, PA

1410 WDOE Dunkirk, NY

1420 WACK Newark, NY  
CKPT Peterborough

1430 CJCL Toronto

1440 WJLL NIAGRA FALLS, NY

1450 WFPSE Erie, PA  
WHDL Olean, NY

1460 CJOY Guelph

1470 CHOW WELLAND

1480 CRAN Newmarket

1490 WBTA Batavia, NY  
united

1500

1510 CKOT Tillsonburg

1520 WNKB Buffalo, NY

1530 WRKT Northeast, PA

1540 CHIN Toronto

1550 CBE Windsor

1560

1570 WBUZ Fredonia, NY  
CFOR Orilla

1580

1590 WGGO Salamanca, NY

1600 CHNR Simcoe

Hugh Montgomery Jr.  
Bethel, OH  
Panasonic RFB800, 600ft. Longwire,  
Ameco Pre-Amp  
November 27, 1989  
1 poor - 5 excellent



540

550 WKRC CINCINNATI 3

560

570

580 WCHS Charleston, WV 1

590 WVLK Lexington, KY 3  
CMW La Julia, Cuba 1

600 CMKV Urbano Noris, Cuba 2

610 WTVN Columbus 3

620 CMGN Colon, Cuba 3

630 WLAP Lexington, KY 2

640 WHLO Akron 2  
CMBC Guanabacoa, Cuba 3  
WSH Nashville, TN 3

650 WSIQ? Waverly 2

660 WEFAN New York, NY 2

670 WMAQ Chicago, IL 2  
CHQ Arroyo Arenas, Cuba 5

680 WCAW Charleston, WV 2  
CM-- R. Rebelde (Cuba) 1  
WPTF Raleigh, NC 2

690

700 WLW CINCINNATI 5

710 CM-- R. Rebelde (Cuba) 1  
WOR New York, NY 1

720 WGN Chicago, IL 1  
CMGC Trinidad, Cuba 1

730 WJYM Bowling Green, OH 1

740 WNOP NEWPORT, KY 2  
KRMG Tulsa, OK 1

750 WSB Atlanta, GA 1

760 WJR Detroit, MI 2  
CMCD Guanabacoa, Cuba 1

770 WCGW Lexington, KY 2  
WABC New York, NY 2

780 WBBM Chicago, IL 4

790 WWKY Louisville, KY 3

800 WKKE Huntington, WV 3  
CKLW Windsor, ON 1

810

820 WOSU Columbus 3  
WBAP Ft. Worth, TX 2  
R. Taino, Cuba 5  
WCCO Minneapolis 3  
WHAS Louisville, KY 5  
WRMR Cleveland 1  
WGOM Marion, IN 2  
CJBC Toronto, ON 1  
WNCO? Ashland 2  
WWL New Orleans, LA 3

880 WRFD Columbus 3  
WCBS New York, NY 3  
WLS Chicago, IL 4

900

910 WPFB Middletown 5

920 WBAA West Lafayette, IN 1

930 WHON Centerville, IN 1

940 WCND Shelbyville, KY 3  
WHIX Mt. Vernon, IL 3  
WLXW Indianapolis, IN 2  
WPRT Prestonburg, KY 1  
WAVG Louisville, KY 3  
WONE Dayton 5  
990 WIVK? Knoxville, TN 1

1000 WLUP Chicago, IL 3

1010 WIOI New Boston 3  
WINS New York, NY 1  
1020 KDKA Pittsburgh, PA 1  
1030 WBZ Boston, MA 3  
1040 WOKI Cannonsburg, KY 2  
WHO Des Moines, IA 2  
1050 WTSJ CINCINNATI 3

1060 WFLE Flemingsburg, KY 3  
KYW Philadelphia, PA 2

1070 WIBC Indianapolis, IN 1

1080 WDJX Louisville, KY 1

1090 WKFI Wilmington 5  
WBAL Baltimore, MD 1

KAAY Little Rock, AR 1  
1100 WWWE Cleveland 1  
1110 WCBR Richmond, KY 2  
WMMX Fairborn 1  
WBT Charlotte, NC 2

1120 WYNO Nelsonville 2  
KMOX St. Louis, MO 3  
1130 WKED Frankfort, KY 2  
WNEW New York, NY 2  
1140 WRVA Richmond, VA 3  
1150 WMST Mt. Sterling, KY 3  
1160 WAME Donelson, TN 1  
R. Taino Cuba 2  
1170 WWVA Wheeling, WV 3  
1180 WMLX CINCINNATI 2  
WHAM Rochester, NY 1  
1190 WWOV Ft. Wayne, IN 3  
1200 WOA1 San Antonio, TX 2  
1210 WDAO Dayton 3  
WCAU Philadelphia, PA 2  
1220 WSLM Salem, IN 1  
WGAR Cleveland 1  
1230 WDJO CINCINNATI 2  
1240 WFTM Maysville, KY 3  
1250 WCHO Washington Court House 3  
WTAE Pittsburgh, PA 1  
1260 WNXT Portsmouth 1  
1270 WORX Madison, IN 3  
1280 WLMJ Jackson 2  
1290 WKLB Manchester 5  
1300 WLXG Lexington, KY 3  
1310 WTUX Indianapolis, IN 1  
1320 WCVG COVINGTON, KY 5  
WJAS Pittsburgh, PA 1  
1330 WMOR Morehead, KY 1  
1340 WCHI Ashland, KY 1  
1350 WSLR Akron 1  
1360 WSAI CINCINNATI 2  
1370 WGOH Grayson, KY 2  
2 unids

1380 WHRS Winchester, KY 3  
1390 WMPD Middleport 1  
1400 WPAY Portsmouth 2  
1410 WING Dayton 3  
WHLN Harlan, KY 1  
1420 WHBN Harrodsburg, KY 2  
WTCR Kenova, WV 2  
1430 WIRE Indianapolis, IN 2  
1440

1450 WMOH Hamilton 2  
1460 WBNS Columbus 2  
1470 WBFC Stanton, KY 2  
1480 WCIN CINCINNATI 5  
1490 WFKY Frankfort, KY 2  
1500 WBZI Xenia 2  
WTOP Washington, DC 1  
1510 WLTN? Nashville, TN 2  
1520

1530 WCKY CINCINNATI 5  
1540

1550

1560 WCNW Fairfield 2  
1570 WDBS New Albany, IN 3  
1580 WVKO Columbus 2  
1590 WSRW Hillsboro 2  
1600 WBLY Springfield 2  
WKXF Eminence, KY 2

  
Quick Country 99

# Musings

of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

**Al Muick, Jr.**  
3500 Woodchase, #1310  
Houston, TX 77042  
Times are local per Muse.

Well, it's another edition! I've just returned from a somewhat disastrous Video Jukebox installation in Baton Rouge, LA. My 22' Ryder truck sank into the swamp up to the doors....twice! Anyhow, those of you in Baton Rouge should check out Channel 46, negative offset when you have a chance.

GEORGE A. SANTULLI, 912 Marshall Drive N>E>, Leesburg, VA 22075  
It's been quite some time since I participated in this section. The usual excuses, work, work and of course work! WELL, it is raining today at work, so instead of taking lunch, I decided to get off this entry. DXing in Northern Virginia at my location continues to be spotty at best. I mostly have to do with SS Dx with an occasional SR session. I must admit that the fantastic Colorado CPC Machine, this year has gotten me up to try for and to pull in the Tests from WADN-Mass, WKEN-Del, WILD, Ma., and the Warsaw Indiana test. The early morning DX just doesn't seem like the conditions we had back in the id 60's when it was de rigueur to hear KXLF-1370 Butte, Montana, KWIZ-1480-Santa Ana, Cal, KENO-1460-Las Vegas, and KEEN-1370 in San Jose Cal. When you stayed up on MM then you really had the feeling that it could be possible to pull in some real DX. One MM in January of '64 I caught 25 new stations including KWYO-1410 in Wyoming and KOWB-1290 in Laramie. Nowadays if I hear KFAB-1110 Neb., I feel lucky. In addition to my DX tools is the acquisition of a new NRD-525 for Christmas from my dear wife. It helps a lot in the selectivity aspects of DXing when compared to my HQ-180AC. Only downside is that when coupled to the Sanserino loop, I get local pest WAGE-1200 in different places unless I "detune" the loop. When hooked up to the lw 650' or old NRC box loop 4', it does a great job. Would like to hear from other NRCers with the same configuration of NRD-525 with Sanserino. Onto other things. Am I dreaming or did I once read that our NRC was developing a new loop antenna? If so, what is the status? In closing, I would like to thank all who put our DX News out week in and week out during the season. The quality of the publication is excellent, the columns helpful and fun. I especially like the "DX Time Machine" having been in the club since 1963, I now remember some of the 25 years ago events, yiiiiiii!!!! Keep up the good work, good DX to all.

ROB PEEBLES, WD8LXX, 3442 Durkin Circle, Dublin, OH 43017  
Greetings. I'm new to the NRC, however I've been DXing on and off since I started in 1975 at the age of 11. My activities have been limited for the past several years due to various responsibilities (and irresponsibilities) of college. I am employed as an audio engineer for a company that makes compact discs, so listening to music on hi-fi is the last thing on my mind when I get home. It is a real pleasure to listen to mind-stimulating programming on AM radio instead of the totally irrelevant pablum on FM, which, in most cases, is not a high-fidelity medium anyway with all of the compression wars going on (yes, Mr. Elving, I can take pot shots too). For pure entertainment, it is hard to beat the Bill Cunningham show on 700 WLW from 9pm to 12am ELT Monday through Friday. Here is a person who can give sound legal advice one minute and then cross to and over the boundaries of what one would expect to hear discussed over the radio. This guy is a true renegade who knows how to abuse a 50kW radio station. I was pleased to read Dan Phillips' Muse regarding the NRC ham net. It is nice to know there is a place on the ham bands to discuss topics relating to mw DX. As far as equipment goes, I am currently using a Superradio II and a Sony 2010. The latter has just recently been commissioned into service again after curing it of its lack of sensitivity problem. When one looks at the schematic, it is pretty obvious why these things take out FETs when they are hooked to external antennas. One FET in particular is totally unprotected when the external antenna is used; the antenna is directly connected to the gate of the FET! Maybe I will find a real radio at Dayton this year and just not worry about the problem. Well, I guess I've wasted enough space for now, I'll muse again if and when I have something important to say. Bye.

RICK DAU, RR2 Box 64, Oakland IA 51560  
Hello again from the nation's heartland. Kudos to Karl Forth for his 2,500th logging on MW. I've got a ways to go to catch you, Karl, but #1000 is just around the corner, as I'm sitting at 955 as of today (2/14).

Also a VERY big thank you to Wayne Heinen, Jeff Tynan, and the efforts of the Colorado CPC machine, as they have been responsible for bringing in 7 of the 41 new stations heard at this QTH since January lat. I see on the cover of the latest DX News received here (dated 2/12) that we have many more tests scheduled for late February and on into March. Of the DX tests heard so far, WMNY-1370, KABI-1560 and WRWB 1480 have been verified. Best night of DXing between 9/1 and 12/31 was MM 10/9, when I discovered a great "opening" to Canada. What tipped me off was hearing CKVL-850 blowing away KOA the night before. 5 new Canucks were heard that morning, 2 of those coming from Winnipeg (CKY-580 and CKRC 630). The others from the Great White North were CKDM-730, CHMG-1200 and CKCK 620. Also heard that MM were WMOB-1360 and WJMT-730. Overall, a very productive night of DXing. January highlights - from two years ago: My first contact ever with another DXer came on the 30th as I met former NRC'er Earl Higgins (Originally from Riverside, IL). Earl lived near downtown Iowa City, Only a few blocks from my dorm room, so it wasn't hard for me to walk down to his place on Sat. afternoons and chat about DX while listening to his Kenwood R-1000 (which I now own) or looking through his vast bumper sticker collection. Also in Earl's possession was the 8th edition of the NRC Log. This was the first time that I had heard of the National Radio Club, an organization that he highly recommended and suggested that I join. So a few months later, I did! --from one year ago: a great opening to western IL and IN brought in WSBT-960 under KMA. Even more fascinating was listening to WSBT and KMA carry their respective network's broadcast of the Indiana-Iowa BKB game at the same time! That's all for now. 73 and so long from The Farm.

BILL NIENAJADLY, 98 Highland Ave., Clifton, NJ 07011  
I did some DXing on the GM car radio last week, probably around Jan 30th. Heard CFOR-1570, WPTR/KXEL 1540 also...This was after 8pm; also noticed the 1000 mile regulars coming in too. Earlier this week I noticed 1240 having big band mx instead of AOR from WBAB. I didn't listen to much more, so I couldn't tell ya if a call change or whatever. I haven't checked today 2/8/90 so I don't know. Some DXer I am...hi. I just wish that there could be different formats on AM that people would like. It would be nice to have AOR Top 40, Disco, Metal, Post Modern stations on AM with a wide playlist. FM and its homogenized sameness is just stale and I honestly wish some AM station owners could see what is missing on FM and fill the void with interesting programming on AM. I'm sure it would be far better to serve a small but loyal audience than to try what every station in town is doing. There are many formats not yet tried on AM. I'm talking about MUSIC formats catering to ALL age demographics. I've heard endless complaints about AM sound quality, but I've also heard wideband AM and it sounds good to say the least. I'm sorry for carrying on with my "Soap Box" but the AMers should take another look and go back to playing music instead of moneytalk, motivational chit-chat formats of various types that really don't work for all stations. AM is big in the NYC area and the rating show WINS as #1 in the morning with all news all the time. Here we have religion, Spanish, big band, ethnic, gospel, news, sports, soul, A/C, classical on the AM dial in the NYC area, but where are all the OTHER formats that I mentioned earlier? A little boldness on the AM dial would really stand out. Try a format solely based on songs not played on the radio in a long time. Try classic disco, try heavy metal, try all-rap, try a very wide playlist of Hot Hits, try all request, try to give the public a valid reason to listen to your station. It's just time to try something truly different for a change. Good DXing de Bill.

MARK CLARK, P.O. Box 6491, Wyomissing, PA 19610  
Hello to all the members; this is my first Muse, so here goes. I just moved to Pennsylvania from West Virginia and am getting settled in. It's interesting to be able to hear KVV-1060 and WCB3-880 during the day. Last year was a busy one and I wasn't really able to do any involved DXing, so I'm just now getting started. I'd like to ask for some opinions from everybody, mail 'em to me or Muse 'em, whatever you like. Is the R-390 really THE radio to DX with, and is it better than radios like the R-5000 and the NRD-525? Some day, I hope to get one of those to put beside my ICF-2010. Also, I'd like to have a picture of the R-390 since I've never seen one in the flesh. Finally, has anyone ever used an active audio filter, such as the Datong FL3, to help with AM DX? Well, I hope everyone (missing, destroyed by post office---ajm) of Southern stations with the southern (ditto---ajm) SS stations were booming in here. So long. (Mark, the P.O. really beat your letter, sorry---ajm)

PETE KEMP, KZ1Z, P.O. Box 73, Bethel, CT 06801  
Greetings all...According to an article by Alan Carter in the February 7th issue of Radioworld, AM broadcasters are very upset over the efforts of utility companies to push for energy efficient fluorescent light bulbs that

