



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

VOLUME 51 ISSUE 11 DECEMBER 19, 1983

Here is a present for you! WHO NEEDS CALL LETTERS !?! Seems the FCC decided to get rid of most of their call letter rules. The changes are suppose to take effect some time soon. Some of the changes are: 1- Allow a stn to have call letters that sound the same in the same market 2- Stop being the referee in call disputes, stn must now settle their differences in local courts 3- Stop requiring that calls be in good taste, even though the FCC admits that obscene call letters may get assigned 4- End 6 month wait period before calls drop by one stn can be reassigned to another stn in the same market 5- Let commonly owned am-fm-tv have identical call letters even though they might not even be in the same or adjoining communities 6- Cease making stns wait 38 days before getting new calls and requiring them to notify all stns within 35 miles of the propose change. 7- Drop the rule requiring stn to get suitable clearance to use the initials of a living president or a government agency. And you thought things were screwed up before!! One would have thought that the FCC would have learned their lesson by their CB rule changes, it looks to me that perhaps these rule change don't listen to radio and therefore don't realize what is happening out here! (Info provided by John Rieger via Radio & Records, last words provided by HQ)

HAMS TAKE NOTE On an almost related subject, (to keep it brief and to the point) you HAMS need to clean up your fellow Hams, I had several 'civilians' listening to the KAZWAN and WSRRR space shuttle communications relays and it sounded more like CB than HAM, the language was terrible!! But back to our hobby.....

NOTE TO MEMBERSHIP : There seems to be alot of 'official representatives' of this club making decisions for this administration. When receiving inquiries about the club or a member of this club, please forward these inquiries to the appropriate column editor, officer, or Editor, this will keep false rumors from being fueled further.

COLLECTOR'S ITEM Here is something that I think you all will want, \* A RARE, UNIQUE, authentic collectors' 72 minute cassette of English language war communiques and Lord Haw Haw propoganda from Nazi Germany. Send SASE for details. Danrick Enterprises, Dept. C, 213 Dayton Ave, Clifton, NJ 07011\*

APT-2 PROJECT Inside find the rest of the 'parts list' for the APT-2 project. The assembly and how to use articles will be appearing soon. You'll find the lists starting on page 18. In the wings, or on the disk, hi, we've got several tech articles that we shall get out to you soon.

FOR SALE: Yaesu FRG-7 receiver with matching YAESU extension speaker and dust cover. In original carton with manual and all accessories (jacks, fuses, wires). Like new, little used due to lack of room for outdoor antenna. \$225 + UPS (Robert Bennisson, 2 McDonald Dr., Cohoes, NY 12847; 518-235-6163 after 6pm & weekends NO COLLECTS)

## CPC TESTS (TIMES ARE E.L.T.)

Dec 19 WLS-898 Chicago, IL Silent Period, 8100-8600. This per Al Resnick.  
Monday

Dec 19 KBYE-898 Oklahoma City, OK will be on during the WLS silent period.  
Monday Reports to: Roger Logan, CE, KBYE Radio, Box 20700, Oklahoma City, OK 73156. Arranged by: Al Resnick.

## LOOK INSIDE

2....AM SWITCH  
3....DDXD  
8....1DXD

12....TOP END  
13....MUSING  
22....BANDSCAN

23....MAP PAGE  
24....NRC FACTS  
24....Your Name

**THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB**

And Yes, DAVE.... We Are Having A Pub Session ON THE 25<sup>TH</sup> (HOLIDAY PM OF COURSE!)

# AM SWITCH

JERRY STARR  
C/O WSRD RADIO  
401 N. BLAINE AVENUE  
YOUNGSTOWN, OHIO 44505

## CALL LETTER APPLICATIONS

Present call:	Seeks:
870 WJIM TX Fort Worth	KFJZ
970 KREM WA Spokane	KLHT
1170 *New SC Lexington	WXAX
WGZS WI Waupun	WLKE
1300 WHLT IN Huntington	WGER
WGVV WV St. Albans	WKAZ
1350 WJEX GA Blackshear	WGIA
1450 WXOL IL Chicago	WVON
1540 KNEX KS McPherson	KNGL

## CALL LETTER GRANTS

Old call:	New call:
620 WAGZ ME Bangor	WZON
700 *New WA Newport	KTHI
990 KNIN TX Wichita Falls	KGTM
1040 *New OH North Ridgeville	WJTB
1060 KCLT TX Lockhart	KHJK
1130 *New AL Parrish	WKIJ
1240 WMFG MN Hibbing	WGGR
1250 WXOX MI Bay City	WTCX
1270 *New AK Nenana	KIAM
1340 KRKR KS Kansas City	KFKF
1360 WZNG FL Cypress Garden	WYXY
1410 KKRY TX Marshall	KCUL
1450 WFBS NC Spring Lake	WRZK
1580 WQTK HI St. Johns	WVGO

APPLICATIONS FOR NEW STATIONS: NONE

## GRANTS FOR NEW STATIONS:

540 CA Hesperia: 1000 D1
760 MA Leicester: 5030 D1
770 CA Riverbank: 1000/1000 U2
1200 CA Rancho Mirage: 5000/1000 U1

APPLICATIONS FROM EXISTING FACILITIES: NONE

## GRANTS TO EXISTING FACILITIES:

970 KPUA HA Hilo: move to 670 kHz with 5000/5000 U1. This move has been in the courts for years as several other parties had proposed to operate a new station on 670. Although this was listed as a grant in past NRC logs, the move only became official on 11/83 when the hearings were concluded, giving 670 to KPUA and dismissing, for a number of reasons, the other applicants. They are still on 970 but will be moving soon.

## OTHERNESS:

670 HA Waimea application for new station dismissed (see KPUA above)  
750 MD Eldon application for new station returned  
830 SC St. Andrews application for new station returned  
1210 CA San Marcos application for new station DISMISSED. Had been in hearing with granted Rancho Mirage on neighboring 1200 kHz.

73 and Good DX.

*Jerry & BKF*  
Jerry Starr & Buffalo K. Foonman

## Daytimer Fights Meager Evening Power Levels

Many daytimers are grumbling about the generally low levels of evening power they've been granted (R&R 11-4). And Lew Laito, President of KXTP/Superior-Duluth, is taking action. Laito has filed a petition for partial reconsideration, telling the FCC he was "absolutely shocked" to get only 26.9 watts after sunset, even though he has 500 watts in the morning.

Saying the FCC relied on "worst-case" interference scenarios, Laito is asking that daytimers be granted waivers for greater power if they can show no interference would result and if the fulltime station being protected on the channel doesn't object.

Laito threw his support behind a Daytime Broadcasters Association petition that stressed the FCC's own marketplace theories by noting, "In other services, the Commission has already acknowledged that broadcasters are the best judges of where the public interest lies on questions of mutual interference and maximum coverage when they can so agree."

## WILD/Boston Goes After WCAS's License

A battle is shaping up between Black-formatted WILD/Boston and Gospel station WCAS/Cambridge. Some time ago, daytimer WILD filed an application to get WCAS's fulltime license on 750 kHz. The FCC has set December 17 as the deadline for petitions to deny the WILD application, indicating it's getting ready to designate the case for hearing.

WCAS GM Earl Jackson says his station adopted a Black format in 1981 "and WILD didn't like the competition. It's political and, of course, business." Jackson says WCAS shifted to a Gospel format in April "and has developed a tremendous following. WILD is going to have trouble."

But WILD President Kendall Nash denies any competitive motive and says the WCAS channel merely presents "the best option" for his station to go fulltime. WILD is also an applicant for the license of RKO's WJBR/Boston.



SARANAC LAKE, N. Y.

## KVI Loses Round Two Of Calls Fight

As the FCC prepared to vote this week (12-1) on a complete overhaul of its call letter rules, it first disposed of a dispute between KVI/Seattle and KPEC/Tacoma, which wants to become KVTI. The staff earlier dismissed KVI's complaint that public confusion would result, and now the full Commission has agreed.

The agency noted that KVI is a commercial AM in Seattle, which KPEC is a non-commercial FM in Tacoma and doesn't provide primary service to Seattle. And it said, "Even though these letters are common to both call signs, the difference between 'VT' and 'VTT' would be, in this instance, sufficient to obviate a significant likelihood of public confusion."

# DOMESTIC DX DIGEST

DAVE SCHMIDT  
42 CHELWYHNE RD.  
CASTLE HILLS  
NEW CASTLE, DE 19720

Here is the official NRC column which is almost as exciting as a trip to the Moon....Moon, PA that is! When sending your items in, please keep them on one side of the paper, type or neatly write, EST, skip a line between items, and all that jazz. And here we go:

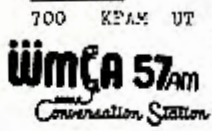
## DX TESTS:

1140 WJNT -TT, CW music, IDs way u/WAVA. (EB-MO)  
-Heard. (BP-IL)  
-IDs, Phono #, music heard. (JFH---OK)

## PREQ. CHECKS:

3rd Mon....KGT0-1050 0103-0107 w/TT, ID. (JPH-OK)  
KEDD-1550 0111-0116 TT, phonetic ID, request for reports.(JPH-OK)  
4th Mon....WPTH-1590 0046-0059 Classical music, ID, time check. (JFH-OK)  
KJTB-910 0105-0123 TT, IDs, electronic music. (JFH-OK)  
WQHE-1520 0030-0045 w/pulse tone, ID's, rock oldies. (DS-DS)  
WBCB-1490 0045-0100 w/TT on day power. (DS-DE)  
NEW HILL BROADCASTING COMPANY

## SPECIAL:



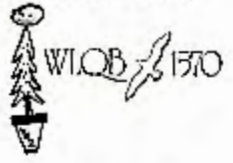
*wbh b* \* \*

700 KFAM UT BOUNTIFUL - 11/23 1901 w/powerful signal w/UPI news, 1st day on 50kw day. On the nite power, about even w/NDN, slight advantage to KFAM, EZL format. (DKK-JA) 11/13 0917 ex-680, BFL music til ID, out of nowhere at 0917, no u/on so possible fulltime? (BH-WA) 11/10 1903-1905 UPI news, ad, EZL music til s/off 1914. Again 11/25 2114 w/talk, poor thru KIRO splash, so now fulltime. (NH-WA)  
730 KRVC OR MEDFORD - 11/15 1840-1846 local ad, jingle/ID, very strong o/CKIG, ex-KBOY. (NH-WA)  
760 KMTL AR SHERWOOD - 11/23 1755-1800 religious talk til s/off. Add.: 2808 E Kehil, 72116 per call to station. (JFH-OK)  
970 KHYV CA MODESTO - 11/4 2002 poor w/local news, ID in stock market report, poor thru KYTS, ex-KBEE. (NH-WA)  
980 CPPL ON LONDON - Per anc't, now b'ostg in stereo. (JF-ON)  
1120 WYNO OH NELSONVILLE - Per verie, power is 1000 watts during CH.(WIZ-CT)  
1210 KREB WA SUNNYSIDE - 10/30 2006 ending CBS news, ad for Grandview, Valley weather, ID into pop music, ex-1230, xnt. (BH-WA)  
1280 CHAM ON HAMILTON - Format: CW music, ID's as 1280 Country. (JF-ON)  
1340 KXXY OK OKLAHOMA CITY - 11/21 0157 w/CW music, simulcast w/KXXY FM, ex-XOXY. (JFH-OK)  
1360 KUIK OR HILLSBORO - 11/20 2019 very good w/KAMT w/"All New 24 hour" ID into Top 30 USA program, had appl'd for 5kw nite but not shown as granted in AM SWITCH, evidently now fulltime. (BH-WA)  
1490 WABJ MI ADRIAN - 9/30 0005 weak w/s/off, asked change from 24 hrs(JF)  
1520 WQCC OH BRYAN - 9/8 1941 on top w/promo for State Fair, ex-WBNO. (JF-ON)  
1530 WKDC IL BANGHURST - Has been silent for the last couple of months, called reveal phone unplugged. (RN-IL)  
1580 KIQQ CA MERCED - 11/2 1959 s/off strong and clear after CW music, told listeners to tune to Mariposa 96.3, ex-KWIP. (NH-WA)  
WKKD IL AURORA - Effective 11/18, new calls for WFVR, original calls station s/on w/back in Sept. '60. Is this a trend? (RN-IL) No, tower sitting is a trend! (DS)



## WEDDAY-MIDNITE:

560 DROM NY MARYSTOWN - 10/17 2225 xnt in WGAN null w/ID "your part of the wide world of VOOM" into news. (KAZ-ME)  
580 WKTY WI LACROSSE - 11/17 2124 pop oldies, local ads, promo, community notes w/fair signal. (EB-MO)  
590 VOOM NF ST. JOHNS - 10/17 2227 in WEEI null w/news, equal to 560, no other stations in the VOOM network audible. (KAZ-ME)  
KID ID IDAHO FALLS - 11/24 2312-2315 nicely atop w/weather, ID into light pop music. (DKK-CA)  
600 KSXO CA REDDING - 11/21 1950-1955 loud atop CJOR w/K-Six-Oh news, lots of local news, ad. Pop music after news. (BH-WA) 11/15 1958-1900 pop music into CA news, weather w/"K-Six-Oh" slogan, pop music after news, o/CJOR, good on new 5kw power. (NH-WA)  
620 WSUN FL ST. PETERSBURG - 11/25 1652 good w/promo for race in Daytona then jingle/ID. (J3-NY)  
680 WCNN GA ATLANTA - 11/23 1736 very good in CFTR null w/traffic report.(J3)  
710 WGBS FL MIAMI - 11/25 1657 fair w/CJRN w/ID in news. (J3-NY)  
KEEL LA SHREVEPORT - 11/25 1805 news, promo, 71-KEEL ID, faded to WEB but fair at tune in. (JFH-OK)



730 KIDZ KS GOODLAND - 11/24 1815-1820 fair-good w/KBAZ w/sports final report, pop music, weather and s/off w/SSB. (JFE-OK)

750 KERR MT POISSON - 11/23 1855 still on day power w/time, ID, atop.(DKK)

790 KBRV ID SODA SPRINGS - 11/22 1856-1900 atop w/ads, ID, time checks. local events, up til s/off. (DKK-CA)

860 KNHO UT SALT LAKE CITY - 11/5 1908-1916 fair w/ID into classical music, faded quickly to KTRB, returned weakly at s/off. (NH-WA)

870 WHOU NY ITHACA - 11/12 1711 w/ID, Home of Cornell Univ., usually good at sunset. (DLA-MD)

880 WKDB TN NASHVILLE - 10/22 1905 good w/s/Sol music after WRPD s/off w/MCBS/KRYM. (JF-ON) And good w/morseradish sometimes! (DS)

900 WJWL DE GEORGETOWN - 11/27 1551 good in CHML null w/promo for station contest during break in football game, "AM-900" slogan.(JB-NY)

920 CJCH NS HALIFAX - 11/27 1533 w/plug for "more non stop stereo hits" o/WTMM Spanish program. (BS-NJ) Did you ever get the idea that AM stereo has about the same effect on radio as the Edsel did on the auto world? (DS)

930 KFLG AZ FLAGSTAFF - 11/23 1900-1915 CW music w/K-Plug ID's, remained atop up til s/off. (DKK-CA)

KAPR AZ DOUGLAS - 11/23 1915 noted w/s/off right after KFLG.(DKK-CA)

950 WSPA SC SPARTANBURG - 11/19 1650 fair in MNJ null w/football scores, ads. (JF-ON)

KXJK AR FORREST CITY - 12/11 1749-1800 mention of AR Radio Network w/ID. (DLA-MD)

960 KDOT UT PROVO - 11/9 1857-1900 local news, weather, ID, UPI news, w/good signal. (NH-WA)

970 KUEZ CA BAKERSFIELD - 11/13 1920 good stop mess briefly w/CW music, ID, ads, jingle/ID. (BH-WA)

KNUU NY PARADISE - 11/8 1922 local ads, weather, ID into Dan Rather news and commentary, xlat o/KYTE easily. (NH-WA)

980 XVEV NV FALLON - 11/24 1915-1930 w/Voice of Prophecy, ID as the Voice of Lahontan Valley into CW music. (DKK-CA)

990 WITZ IN JASPER - 10/15 1847 weak w/CFPL splash w/contest promo.(JF-ON)

KTLE UT TOOLE - 11/9 1908-1914 CW music w/ads up til s/off, poor w/KTRB. (NH-WA)

WNYR NY ROCHESTER - 11/19 1550 good atop w/ID, location mentions.(KAZ)

1000 WTAJ AL HUNTSVILLE - 11/13 1730 "Huntsville's Oldies Station" noted for a few minutes. (DLA-MD)

1010 KLRA AR LITTLE ROCK - 11/23 2340 noted u/WINS w/CW music. (BS-NJ)

1030 XCTA TX CORPUS CHRISTI - 11/25 1805-1825 blasting in w/religion, WBZ only weak in background. (RN-IL)

1040 WSKE PA EVERETT - 10/10 1810 good w/gospel music, PSA. (JF-ON)

1070 WFLI TN LOOKOUT MOUNTAIN - 11/27 1632 on top w/ID, calling themselves "The Gospel Voice of the South". (JB-NY)

1080 KRFK UT PRICE - 11/24 1855-1915 mostly atop KSCQ w/female anc'r, local news, ads up til s/off. (DKK-CA)

1110 KPIP CA ROSEVILLE - 11/9 1959-2002 spanish music, ID in English, xlat completely o/KBND. (NH-WA)

1120 WIZY GA GORDON - 10/22 1832 weak w/KMOX/YMVF w/football scores, ID, CW music, ex-1560. (JF-ON)

1130 KNKH LA SHREVEPORT - 11/26 1801 strong at end of Hour of Inspiration, slogan as "one of Americas great radio stations, Radio Ranch." (JB-NY) Often does a job on WNEW here at sunset. (DS)

KSDO CA SAN DIEGO - 11/20 2159 fairly good w/CKWX nulled ending NBC Talknet, News Update, football promo, jingle/ID, CBS news.(BH)

1140 KNEI IA MAUXON - 10/14 1911 fair w/local news, ID. (JF-ON)

KMJJ NV N. LAS VEGAS - 11/20 1819 ID after ads, back into "Countdown America", fair but faded. (NH-WA) 11/20 1919 ID after ads, back to Countdown America, way atop KRAK at times. (BH-WA)

1150 WNER VA CHURCHVILLE - 11/6 1659 weak in s/off w/partial s/off. (JF-ON)

WQRB NC BURLINGTON - 11/26 1705-1715 NC and local news, into detailed s/off u/WELC. (TF-CT) OK, Tony, rub it in again-hi! (DS)

WHUN PA HUNTINGTON - 11/26 1640-1700 CW music, college football scores, detailed s/off w/request to tune to FM, great signal! (TF-CT)

WCRK TN MORRISTOWN - 11/26 1705-1725 Univ. of TN football, atop. (TF)

WELC WV WELCH - 11/26 1700-1715 w/NGRK/WQRB w/UPI news, sports, rock music up til s/off, a good nite on 1150. (TF-CT) Huhbug! (DS)

1170 WJCC MA NORFOLK - 11/20 1620 Broadway music, ads, atop freq. (TF-CT)

1220 WSEM IN SALEM - 11/26 1734 fair u/WGAR w/ID and mention of program being sponsored by a funeral home. (JB-NY) Must be a dead program! (DS) 11/27 1715 news, ads, no sign of WGAR. (TF-CT)

CXCM NB MONCTON - 11/27 1708-1712 sports, weather, ID, weak, never noted here before, lost to WSEM! (TF-CT)

1260 CIHI NB FREDERICTON - 11/28 1717 ID u/WBUD, last year all o/again! (BS-NJ) Yeah, you can set your watch by their pattern! (DS)

1270 WCMR IN ELKHART - 10/27 1846 seldom heard, atop w/CW music, ID.(JF-ON)

WCBC MD CUMBERLAND - 11/30 1822 w/ID into Christmas song. (BS-NJ)

1280 KVOV NV HENDERSON - 11/24 1932 w/ID "Your Direct Connection of S. NV" then into BFL music. (DKK-CA)

KDYL UT SALT LAKE CITY - 11/23 1920 w/local news and anc'ta w/ID. Again 11/24 1917-1925 w/tale-talk nicely atop. (DKK-CA)

1290 WKNE NH KEENE - 11/30 1812 w/CBS news, ID, ad. (BS-NJ)

1300 KFLO IA SHREVEPORT - 11/13 1815 faded up w/short s/off, no SSB, CP for 5kw on yet? (JF-ON)

1310 KCRE CA CRESTVIEW CITY - 11/16 2002 fair u/KDIA w/ID into s/off.(BH-WA)

1320 WEQY FL HOLLYWOOD - 10/20 2329 atop Cuban w/ID. (KAZ-ME)

1370 WETC NC GASTONIA - 11/19 1715 weak w/WTAB w/s/off w/mention of 5 kw, no SSB. (JF-ON)

WTTT IN BLOOMINGTON - 11/26 1728 strong w/promo for ABC news at :30, oldies/rock music. Again 11/27 1704 much weaker w/local news and mention of Monroe County. (HJH-PA)

WLTC NC GASTONIA - 11/26 1715 end of religion then s/off, weak. (HJH)

WDEP TN CHATTANOOGA - 11/27 1739 break in Mutual network sports w/local ad, ID. (HJH-PA)

1380 WIZO TN FRANKLIN - 10/22 1917 ID as "Wizzo Country" CW music. (JF-ON)

Sounds like Babbo Cleanse-hi! (DS)

CKPC ON BRANTFORD - 11/28 2310 ID and rock music, new one for me.(BS)

1410 KCAL CA REDLANDS - 11/24 1941 thru KRC splash w/Mexican program.(DKK)

WHEN KY HARLAN - 10/8 1857 weak in mess w/CKSL nulled w/s/off, mention of 5000 watts, no SSB. (JF-ON)

WING OH DAYTON - 11/27 1536 in well w/ID, ad, weather. (JB-NY)

1420 KSES CA YUCCA VALLEY - 11/23 1945 s/off very rough thru loud KSTN. 11/24 1930-1945 in/out w/KSTN/XEXY w/s/verbal ad, ID and into o/off, which was in the clear. (DKK-CA)

1460 KQTE CA SANTA ROSA - 11/3 1959 local ad, s/off w/mention of FM, quite good w/local KAZO splash nulled. (NH-WA)

WNCN NY ALBANY - 11/4 1718 weak o/u mess w/ID, non stop news, many mentions of the Capital Region. (JF-ON)

1470 WNAU MS NEW ALBANY - 11/13 1745 fair in mess w/ad, ID, weather. (JF-ON)

KOLI CA COALINGA - 11/23 1950-2000 w/CW music in/out w/XEHCN/others, s/off buried but phoned station, confirmed it was they. (DKK)

1480 WJPC TN JEFFERSON CITY - 11/13 1730 weak u/WHBC w/s/off w/mention of 500 watt SRP, no SSB. (JF-ON)

1490 WAZL PA HAZELTON - 11/25 1723 good o/WBTA w/bank ad. (JB-NY)

1520 WMMT GA GARDEN CITY - 11/16 1727 strong w/gospel music til s/off.(JF-ON)

1530 WSCW VA JEANNETTE - 10/22 1750 fair w/Top 40 music, rare here. (JF-ON)

Well done here! (JM-PA)

WRBX NC CHAPEL HILL - 11/19 1714 good w/s/off after Duke football, "with regrets due to FCC rules". (KAZ-ME)

1540 WSNI PA PHILADELPHIA - 11/27 1647 atop freq. w/MoR music, ID, no sign of WPTR. (TF-CT)

WQCC NC CHARLOTTE - 11/16 1715 fair w/part of s/off heard, no SSB. (JF)

WTKM WI HARTFORD - 10/7 1915 fair w/short s/off, no SSB, rare. (JF-ON)

1560 WYZD NC DOBSON - 11/16 1716 very weak w/ID noted in s/off. (JF-ON)

KXAA SD ABERDEEN - 11/25 1730-1805 faded atop everyone w/News and CW music w/IDs. (RN-IL)

WTAI FL MELBOURNE - 10/21 1847 fair, well o/LA w/CW music, ID, auroral conditions took care of WQXR at the time. (KAZ-ME)

1570 KLOV CO LOVELAND - 11/25 1833 stock news, weather, ads into s/off w/invite to tune to LOVE-FM 102.3, XERP nulled. (JFH-OK)

1580 WAJE PA EBENSBURG - 11/19 1704 very good w/s/off w/Wage Radio mentions, no SSB, long wanted here. (JF-ON) (KAZ-ME)

MAXU KY GEORGETOWN - 10/21 1730 s/off fair w/WSRF w/mention of 10kw.

WILA VA DANVILLE - 11/26 1715 very good w/full data s/off. (JB-NY)

1600 WAYC VA BEDFORD - 10/27 1830 briefly atop w/ID, "Music Central" then gone, seldom heard. (JF-ON) Used to be heard often on 1kw here. (DS)

MIDNITE-MIDDAY:

540 CBAC NS BARRINGTON - 11/19 1136-1139 caught this equal w/CJSB/CBGA1 w/CBH-860 programs, 40 watt LPRT at 240 miles, good groundwave o/water path. (KAZ-ME)

560 WFRB MD FROSTBURG - 11/24 0632 good w/news break, Ill. (JB-NY)

600 CBAP8 NS QUINAN - 11/13 1200 tops WICC/WFST daily w/CBC programs. (KAZ)

710 WGBS FL MIAMI - 11/14 0014-0152 very tedious astrology program until return of MOR, weak. (DLA-NY)

UNID 10/19 1050-1215 someone w/CW music, occasionally poking thru MOR w/CW music, looped west, EST time checks, mentions of Canada. Either CHYR or CJRY? (KAZ-ME)

780 WABS VA ARLINGTON - 11/19 0932 o/WBMM w/religion, shocked to find this on good daytime opening. (KAZ-ME)

870 WFLO VA FARMVILLE - 11/19 0958 very good o/WHCU w/ads, ID. (KAZ-ME)

880 UNID 11/19 1003-1035 one, likely two w/WGDS, one noted w/news then MYL type music, other w/talk, likely WRPD/WRRZ. (KAZ-ME)

880 KJJR MT WHITEFISH - 11/23 0430-0530 rock o/u KRVN, ID and news, best noted w/500 watt nite power, booms in on 10Kw day power. (DKK-CA) Hey, Foxy...whens the next WRBC/WCBS silent period going to be, maybe we can work something up al la Al Resnick at WLS? (DS)

990 UNID 11/13 1200 noted two LPRTs here, one w/French equal to 600, suspect coastal NS, usually a bit o/WKKN, not ID'ed. (KAZ-ME)

KEKT AZ TUCSON - 11/23 0400-0640 local KKIS on/off this AM, noted w/rock music, ID. Again 11/25 0300 w/ID w/KKIS off. (DKK-CA)

KNIN TX WICHITA FALLS - 11/23 0410 w/ID, ad, just noted w/talk at times w/KTKT, KKIS was off. (DKK-CA) Yeah, off and running! (DS)

CBW MB WINNIPEG - 11/23 0602-0606 atop KKIS who returned 0540 w/low power, CBC Morning Edition news program, easy. (DKK-CA)

1070 WKDR NY PLATTSBURGH - 11/26 0645-0703 detailed s/on w/vocal SSB, ID's as "Talk Radio for the Champlain Valley", Talk Radio. (TP-CT)

WSCP NY SANDY CREEK - 11/26 0627 CW music, ID, weak w/WKOK. (TP-CT)

KHMO MD HANNIBAL - 11/22 0943-1011 good w/news, weather, ID, ads and CW music, nulling: KPDI/WAPI/possible WISB. (JFH-OK)

1150 CHSJ NB ST JOHN - 11/24 0611 good w/ad for express mail service, rock music. (JB-NY) 11/30 0605 very clear w/ID, news. (BS-NJ)

WNDB FL N DAYTONA BEACH - 11/15 0542 MoR music, ads, w/WHUS. (TP-CT)

WGH IL MARION - 10/23 0700 weak w/mess in CKOC null w/s/on. (JF-ON)

1190 KNWZ CA ANAHEIM - 11/23 0130-0600 in KEX null w/news, CNN news, few ID's, noted Spanish and rock station also in null. (DKK-CA)

1230 KFRD CA BARSTOW - 11/24 0224-0228 popping up w/ad for merchant in area, soon faded down. (DKK-CA)

KPAK CA REDDING - 11/24 0200-0205 w/UPI news, local news, weather and temp., then faded. Returned 0227 w/ID, CW music, weather. (DKK) 11/24 0308 TT noted, til at least 0500, no ID's suspect KMG. (DK)

\*UNID 1240 KJOP CA LEMOORE - 11/24 0350 faded up for local ad and K-Jop ID in English then back into local Mexican programs. (DKK-CA)

1270 WCBC MD CUMBERLAND - 11/20 0533 rock music, CBS Sports, promo for Cash Call. (TP-CT) Maybe they'll call you next week? (DS)

1290 WHKY NC HICKORY - 11/28 0311 noted w/promo for "Y 102.9" mentions of Hickory then into Countdown America, good signal. (DS-DE)

1310 WSSJ NJ CAMDEN - 11/22 0550 Mutual Life Style news, rock music, ID, in like a local. (TP-CT)

WMLF IN INDIANAPOLIS - 9/4 0200 fair w/ID, MYL type music, wx-WIFE. (JF)

1320 WDR NH DERRY - 11/25 0945 noted briefly w/ID and MoR music. (JB-NY)

1330 KCLD PQ THEFTORD MINES - 11/19 0348 sports, weather, rock music, French anc'r, well o/WPOW. (TP-CT)

1370 KSUM MN FAIRMONT - 10/30 0600 weak w/ID into news. (JF-ON)

1410 UNID 11/25 1012-1100 man/woman w/talk program, was "Take a Break" talk show w/Jim/Nancy, fair w/KTCS. Calls to KQAM, KCLD, and KBCG brought no info. Help! (JFH-OK)

ZOOQ NE NORTH PLATTE - 11/26 0957-1036 w/pop music, ID, weather, fair w/KTCS, might be the above UNID. (JFH-OK)

KVEG NV NORTH LAS VEGAS - 11/16 0038 fair w/ID, ads, CW music. (BH-WA)

1470 WSEAN PA ALLENTOWN - 10/1 0227 ID as Stereo 1470 into MoR. (JF-ON)

1490 WQXQ MA WEST SPRINGFIELD - 11/27 0633 ethnic program w/WGCH/WUSS/WHRC, never heard here before! (TP-CT)

1500 KSTP MN ST. PAUL - 11/24 0652 on top w/weather, news. (JB-NY)

1510 KZZI UT W JORDAN - 11/21 1151 ID in Spanish, holiday greeting into Spanish music, fair/good w/KGA null'd til well past 1200. (NH)

1550 UNID 8/27 0300 good w/ID as WKDL or WKBL, CBS news, cuts from Rick James EP, who is this? (JF-ON) The fulltime TM station? CHARLES TOWN - 8/27 0225-0258 on ET w/ST and OQ, few ID's. (JF)

\*WYVA WV NEWTON - 11/25 1124 strong w/Battle of the Boogie then ad w/mention of Norwood. (JB-NY)

1570 CKTA AB TABOR - 11/27 0510-0532 rock music, ID's w/CHEC. (JFH-OK)

WGLE TN CLEVELAND - 11/21 0644-0657 fair/good w/local ads, CW music, ID's. (JFH-OK)

WLBQ KY MORGANTOWN - 11/21 0659 fair w/s/on right before XERF s/on. (JH)

1590 WSMN NH NASHUA - 11/27 0553 detailed s/on, instr. SSB into "Contact" religious program, lost to WDNH. (TP-CT)

WDNH PA HONESDALE - 11/27 0557 instr. SSB, detailed s/on w/inwrite for letters from listeners, lost to WHIN and The Mob, usual late Sunday AM s/on for WQW. (TP-CT) Yeah, I remember the WDNH DX TEST from a few years back, said they couldn't verify the reports since someone stole the logs for it! (DS)

1600 WIXY MA E LONGMEADOW - 11/25 1113 very good w/ID during good daytime conditions. (JB-NY)



**RANDUMBS:**  
 Hope that everyone is taking advantage of the fine conditions present for sunset DX'ers, 12/4 featured some of the finest conditions I've seen in the last 20 years with loggings on KPNW-1200 (ID'ed this time) and #NAX-570.

**RESEARCH AND STATISTICS DEPT.:**  
 PETER NOLAN sends along the following corrections and comments on recent loggings which have shown in past DX'D's: (See, a personal proof-reader!)  
 -1310/WJLD could not have moved here from 1400, Homewood, AL is a suburb of Birmingham, which also has WAGG-1320.....  
 -1050/KRAV has been KGTO at least a year.....  
 -1180/WKKE has indeed changed to CW, dropping MYL as reported....  
 -1560/Contre, AL is WAGC.....  
 -The logging of KGPT-1530 (BM-WI) is badly in error, they are 100% Spanish language w/mix of Spanish/Mexican music, good here days, weak w/WOKY nights, hourly ID in English, so they are not CW as reported.....  
 -1320/KXYZ is indeed Radio Trece, Spanish contemporary format.....  
 -No sign yet of Texas CP's, KSJL-760, KIKR-880, KTUN-1180 and other area CP's, reports note KSJL towers up w/an October air date, likely due on anytime, E/Sol format is planned.

**LAST WEEKS REPORTERS:**  
 KDF-IL/Karl Porth, Chicago, IL/HQ160, Spiral Loop  
 WET-DC/Bill Townsend, Washington, DC/TRF  
 JB-NY/Jerry Bond, Rochester, NY/HQ140XA, Loop  
 FH-TX/Peter Nolan, Galveston, TX/Pilot \$, TRF, SM2  
 STAN-MA/Stan Morris, Bradford, MA/HQ180A  
 MD-MA/Marc DeLorenzo, Sudbury, MA/HQ100, LW, SM1  
 DKK-CA/Don Kaskey, San Francisco, CA/HQ140X, SM2  
 BM-NE/Bob McCoy, Lincoln, NE/RP2200  
 LAV-VA/Glenn Lavender, Hopewell, VA/STA720, Box loop, WHAP's tower!  
 RK-IL/Robert Kramer, Chicago, IL/ R1000, HQ140Y, HQ1291, various loops  
 JM-PA/John 'Mr. Write-Small' Malicky, Pittsburgh, PA/Aiwa AR15B  
 DLR-KY/Dave Reitz, Fern Creek, KY/ DX160, Superadio  
 KVV-GA/Karl Jeter, Stone Mountain, GA/HQ150, Beverages  
 KG-PA/Kermit Geary, Walnutport, PA/HQ180, R390, SM2, LW  
 JFH-OK/John Herman, Vinita, OK/Philco Portable  
 TC-TN/Tom Gonnatser, Sevierville, TN/Superadio  
 GL-MS/Greg Ledbetter, Purvis, MS/Midland Int'l, Soundesign 6959  
 JF-NJ/Joe Fela, South Plainfield, NJ/HQ180, Shotgun loop



**THIS WEEKS SIGNAL CHASERS:**  
 WIZ-CT/The Wizard of Poquonock, CT/HQ180, HQ145, Loop, LW  
 DKK-CA/Don Kaskey, San Francisco, CA/HQ140X, SM2  
 JF-ON/Jeff Falconer, Clinton, ON/NRDS15, Radio West Loop  
 EB-MO/Eric Buonomen, Hazelwood, MO/DX200, SM2  
 BP-IL/Barry Pinkel, Chicago, IL/FRG7700, DA5  
 TF-CT/Tony Fitzherbert, Fairfield, CT/ICPS5W  
 RN-IL/Ray Nemec, Naperville, IL  
 DLA-MD/Denny Lee Atkins, Catonsville, MD/HQ140X, Sanserino Loop  
 JFH-OK/John Herman, Vinita, OK/Philco Portable  
 HJH-PA/Harry Hayes, Wilkes Barre, PA/HQ180, SM2, Superadio  
 BH-WA/Bill & Nancy Hardy, Aberdeen WA/FRG7, SM1  
 KAZ-ME/Neil Kazarov, Ogunquist, ME/ICR70, Loop/Phased LW  
 JB-NY/Jerry Bond, Rochester, NY/HQ140XA, Loop  
 BS-NJ/Bob Smolarek, Whitehouse Station, NJ/TRF  
 DS-DE/Teech!/Superadio, HQ180A, SM2, LW

I believe this takes us up to the Christmas holidays and we get a small break, then return with a biggie in two weeks! Hope that all have a good holiday!



73's - Good DX!  
 THE PAUL BUNIAN NETWORK  
 WTCM RADIO, INC.



EUGENE, OREGON  
**K  
P  
R  
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W**

INTERNATIONAL  
DX DIGEST

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

CHUCK HUTTON  
1035 LATHAM ROAD  
DECATUR, GA 30033  
(404) 633-1198  
BEFORE 2300 ELT

Hi there... Deadline is a few days early (like Saturday) this time as I am once again headed to New York. There is no truth to the rumor that all DXD mail should be sent to me c/o general delivery, New York. It is also not true that I pay property taxes in NY and vote there. Inward.

- 540 VENEZUELA Villa del Roserio xint with R. Perija ID 0435 11/19. (Kaz)
- 550 CUBA Russian language pgn 0413-0440 11/26; also noted on 570, 590, 600 and 630. (Renfrew)
- 550 VENEZUELA R. Mundial with breezy salsa mx and frequent time checks. Full ID's at 0400 and 0500 11/29. Faded in and out with Rebelde, near local WGR virtually gone. (Renfrew)
- 555 NICARAGUA R. 17 de Julio with a fairly strong signal but shallow audio quality. Frequent ID's between selections of light music, but hard to hear the annots, 0443-0500 11/28. (Renfrew)
- 560 COLOMBIA Meleco HJPP noted 0210 11/17 while trying to phase WGAN-lively accordion mx and R. Cinco Sessenta ID. (Kaz)
- 580 JAMAICA with tape of prime minister's speech on the International Monetary Fund, woman commentator with Caribbean accent 0510 on 11/28. (Renfrew)
- 580 MEXICO XEPI Chihuahua R. Mexicana w/Musica de Mexicana 0649-0700, full call letter ID on the hour. (Heinie)
- 580 VENEZUELA Mercedes YVBJ very good-xint atop WTAG w/no sign of WKAQ pest 0432-0434 11/19 w/"la hora Venezuela" mention and ID as LV de la Fo. (Kaz)
- 590 CUBA R. Rebaldo CHCA/CMS 0307 la Julia fair with SS news in WRTM null 11/20 0307. (Buensman)
- 620 ANTIOQUA St. John's also common here in su ex-stop w/heavily accented BE religious program 0127 11/14. (Kaz)
- 620 BRAZIL Fortaleza in very good/good generally well stop channel 0224-0233 11/11 with PP man talking, many mentions of Brazil, ID sounded like R. Assuncao at 0230, PP man giving phone numbers, singing promo by women. Still very good at 0307 recheck, this is common here in su ex. (Kaz)
- 640 VENEZUELA Ondas Portenas with full ID 0130 11/27 a/Cuba. (Renfrew)
- 660 VENEZUELA Coro often bleats WNSC in su ex here-YVNA very good w/local ads and prices in Bolivar 2252 11/19-well stop. (Kaz)
- 670 CUBA R. Liberacion-this outlet noted well a/domestics in recent euros. For report 10/17 0630-0700 with radio play. (Hainen)
- 700 JAMAICA Montego Bay was easier in RI-noted w/SS a/WWL w/mention of "number 20 this week" into mx, they often have this top song countdown pgn-0446 11/12. (Kaz)
- 702 MOROCCO Sebba-Aloun presumed w/powerful but somewhat undermodulated signal beating up 700 w/midwest type (not really AA) instrumental mx and singing (like heard here before at this time) 2218 11/27. (Kaz)
- 711 BIBYA Sebba 0010-0013 11/8 poor //027. WOH QRM reduced w/notch filter, slow s-cspells AA chanting by deep-voiced man. (Kaz)
- 720t BRAZIL Recife is a good possibility for the PP I heard here mixed with-and occasionally stop YVQL (ex YVCE) 0303-0305 11/11 when YVQL blew them away finally-seemed to loop about 30 degrees east of YVQL. (Kaz)
- 720 COLOMBIA Barranquilla presumed in WGN null w/lively accordion mx and GMT-5 TC's stop Jemsics 0425 11/19. (Kaz)
- 720 UNID in reference to my 9/14 unid with tropical mx, bird chirps, etc. both Don Moore and Richard Wood have informed me that the Canary Islands have no natives-they are extinct. Canary Islands is as Spanish as Spain. The Canary Islands stn was recently reported on 716 but hasn't been heard here even when ex have been xint to that area. (Kaz)
- 725 SURINAM no sign of Paramersibo this month. (Kaz) They are indeed off the air-not a peep out of them-CH
- 730 DOMINICAN REPUBLIC Santo Domingo HIZ finally logged after several dozen attempts from various QTH's in good ex--lively LA mx, HIZ ID, then slow LA mx--very good atop Trinidad and the din of SS LA's way under. Dominant CKAC phased into nothingness 0045 11/22. (Kaz)
- 730 TRINIDAD Port of Spain very good-xint w/CKAC (clearly dominant on single antenna) phased into complete inaudibility o/HIZ/HJCU. Spain-729 hot notched out yielding nice tape if Indian mx w/sitar and chants 0040-0050 11/22. Two breaks for ads and ID as Radio Trinidad. This is fairly common but not often this strong. (Kaz)
- 740t BRAZIL Salvador 0152 11/11 sounded like PP briefly w/CBL. Not long enough and too much QRM (bad TVI at the time) to be sure. (Kaz)

- 747 JAPAN JOIB Sapporo 11/24 0908 w.man in JJ 0420-0930 EE language lessons. Good to fair most AM's this month. (Hainen)
- 747 UPPER VOLTA Ougedougou fair during good Afro-Caribbean opening w/PP man talking 2227 11/13. Au ex. (Kaz)
- 750 NICARAGUA YXK Menagus R. Sandino dominates the channel nightly 11/26 0500-0530 top 40 US and SS hits. (Hainen)
- 760 BRAZIL Fortaleza in again //010 w/PP man talking-I recognized him as usual football snorer (many Brazilians go in // for football) as he was sedate and relaxed, maybe halftime. Stn about "mix with WJR/YVQQ/HJAJ. CX slightly su w/strong signals from low band LA's 0150-0200 11/11. (Kaz)
- 760 BRAZIL Good atop growl w/PP soccer coverage // 810 2149 11/27. Mixed w/YVQQ by 2202 and generally buried underneath then later. WJR which had been weak and alone around 2100 was not much trouble until about 2300. Interesting cx. (Kaz)
- 765 SENEZAL per info from Dr. Richard Wood they use very little AA (only briefly for Korean readings); instead they are in vernacular which we mistake for AA....Also uses PP of course. To me some of the vernaculars sound like AA and some definitely sound like Afro tribal languages. (Kaz) They all sound Afro to me but I am the guy who can't tell Dutch from GG and weak PP from SS-GH
- 810 BRAZIL Fortaleza fair //760 w/WGY/HJCY w/PP football snorer talking 0150-0200 11/11, PP talk good w/WGY 2236 11/13. ID sounded like radio verdes Mares a/WGY given at 2315 tune-in 11/13. 2330 11/14 noted again this time a/HJCY/WGY w/usual electronic sounds during break again this time a/HJCY/WGY w/usual electronic sounds during break from soccer game. Bill Bailey in Holden, MA told me he had PP here a/WGY on his Beverages the other night. This one sure gets out for listed power of 5 kw. I think I'll write them. (Kaz) I caught the usual electronic sounds from soccer not well a/WGY/ domestics 2131 11/27. In better by 2147 w/WGY/domestics and very good a/WGY on peaks w/soccer // 760 2205 11/27. Seems to be common here and has no serious LA QRM until later when Subatanz fades in, but sometimes can override them too as HJCY is not a killer sig here usually. (Kaz)
- 820 VENEZUELA Upata YVSH stop HJRD/others with YV NA at 0359 s/off 11/19. (Kaz)
- 836 UNID which loops easterly finally putting in some audio 0108 11/14 with man in mid lang and 2300 11/17 non-descript instrumental mx into men in lang poor but too weak to ID lang. 037 hot notched. (Kaz) Sounded like PP talk but not at all sure due to garbled audio heard only due to notch on strong 437-Canarios. Briefly for about 8 seconds 2234 11/27. This loops along the same bearing (+ or minus 10 degrees) as Canarios and I'll bet it is Azores. Help requested, European DX'ers. (Kaz)
- 837 CANARY ISLANDS Las Palmas with cl mx then women in SS who mentioned "Las Palmas", possibly another stn way under 0207-0215 11/11. (Kaz) Good w/036 hot notched 2232 11/27. Hook mx then R. Popular ID by women then SS ballad. (Kaz)
- 846 ITALY Rome poor thru some WEDR atop w/singing in II 0054 11/30. (Kaz)
- 854t PERU Lima reasonably strong carrier in but too much WEDM atop for audio. Also hotted by 955-Spain 0407 11/11. (Kaz)
- 870 DOMINICAN REPUBLIC Santiago per tips on DXN I listened for R. Action here now, and found 'em very good-atop WWL/LA's w/ID 0416 11/19 into LA mx. (Kaz)
- 870 VENEZUELA Barquisimeto YVMP almost all alone very good/xint // 4000 giving full ID and freqs (no calls-I've never heard a YV use them!) (A few do-CH) 0006 11/16. (Kaz)
- 873 UNID 0104 11/30 w/AA midwestern type chanting into chants w/mx and suddenly buried by Spain, fair signal. (Kaz)
- 880 Brazil Belo Horizonte mixed w/WCBS 2210 and stop them later at 2309 11/13 in su ex. Also a/WCBS again w/PP men talking good and clear 2324 11/14. (Kaz)
- 882 CANARY ISLANDS (no where else but, hi) Tenorife very good-xint w/two R. Popular ID's after pop mx, mention of "su emisora favorita", best on 1430-LW. No sign of HBC in ages here w/continuing poor high latitude TA ex. (Kaz) 2229 11/27.
- 882 CANARY ISLANDS La Laguna xint (1) and actually putting some atop on WCBS/Brazil 580 in su ex!!! Mellow EE pop hits (had me thinking England but ex were wrong) then SS women snore 2212 11/13-fair later at 2315 11/13 with two women in SS in what sounded like a play. (Kaz)
- 885 KONTSEIRAT Plymouth ZJB comes in nicely on now 4501 LW at approximately 1430. Very good 11/13 at 2305 w.accented EE man w/news and actually xint at 2308 on LW while only fair-good on loop. (Kaz)
- 890 UNID Rumbos-like chimes, mentioned Dominican Republic once 0530-0610 11/19. (Renfrew)

891 ALGERIA Algiers back on sa of 11/7, had been off for a few days- 9M? is still on too. I guess this powerhouse stn did not move to 9M1. (Kaz)

895 UNED definitely SS with fast talking DJ and heavy latin music. Noted nightly during 11/6 to 11/12 sure on ex. (Heinen)

900 BARBADOS Bridgetown CBC comes in like a ton of bricks on LW-xint 2247 11/13 w/cricket scores. Truly local-like w/accented EE women giving #s for a bingo game 2304 11/18. (Kaz)

900 MEXICO Mexico City XEW in w/ID mentioning "la grande... transmits de la capital de Mexico" 0055 11/21 fair-good w/others. (Kaz)

902t ENGLAND synchro presumed in auring brief attempt or better high latitude TA ex 0055 11/20 with usual E2L muzak. (Kaz)

909 URID in ex too su for England and looping too far south for them. 2259 11/18 talk soon lost in bad YVHQ QM2. 0029 11/19 briefly atop YVHQ QRM with men and women in lang. Het is quite common here in su or semi-su ex when African area stns come in. My guess is the new stn reported on in the Azores but Gmbts is an outside chance. (Kaz)

914 SURINAM Paramaribo HAMI beams in (11) occasionally on LW very good to xint w/lively mx in strange lang 2312 11/13 and 11/13 xint later at 2335 w/mx in Hindi or similar lang. Very good w/EE Top 40 hit 0026 11/15. (Kaz)

915 ECUADOR Machala (calls changed to HCRVJ) very good and best over w/ads mentioning "en Machala" into LA bulled 0404 11/11. (Kaz)

918t SPAIN Madrid likely w/SS tall looping 700/7500 not 20M? for Managua which also is here. Lots of lower band spairds in. 2253-2256 11/29. (Kaz)

940 MEXICO Mexico City XEQ actually my first Mexican logging here w/ Mexican mx and two XEQ Radio SID's 0047-0054; no xint peaks and almost completely stop w/OSM phased 11.21. (Kaz)

944t ANGOLA Luanda almost certainly the stn found in very well on new LW 2215 11/13 w/soft instrumental very good until 2225. PP anncr 2230 and 2244 w/stn much weaker in increasing QRM and some 945 het. Mellow PP vocals taped poor 2340 and anncs taped across the hour but I can't understand them as too weak 0000 11/14. Some more anncs and nice clear instrumental anthem taped 0056-0058. This is much too early for Hinduras at 2215-Belize didn't show till 2350. Anthem was not the choral anthem heard on SW from Sao Tome which may be on 944 or 945. On 11/16 I caught audio bits at 0047 and the carrier dropped out at 0059 a/off. I'll send's report. Can any one in South Africa help? Boering was li o 1038 but was not that good on loop. (Kaz)

945 FRANCE Good on loop w/Radio France International ID in SS after SS pgr then NA ab 2300 a/off 11/27. Was QRM'd by a stn w/mx briefly at 2252 maybe Nigeris again as Afros were good too. (Kaz)

945 NIGERIA Abeokuta looping Africa in continued good Afro and su ex taped with men talking then what sure sounded like drums poor 2356-0001 a/off 11/16. Replay of tape yields mention in EE (I wasn't sure at the time) of telephone number 082002 (yes Nigeria has 6 digit numbers) but not much else is clear. Bill Bailey seems to recall drums from this one at a/off too. On 11/14 carrier seemed to go off around 0000. (Kaz) Without any sort of ID or IS or parallel I'd want to call this a tentative like 944. OK? CH dominican republic Santo Domingo H1U local-like (11) with w H. Popular ID's 0010 11/19 far stop the YV which is usually dominant latin here. (Kaz)

960t BERMUDA Hamilton ZMM presumed w/EE w/slight accent on 1430 LW w/GMR-h TC fair-good o/SS LA in su ex 2325 11/13 and 2301 11/19 in semi-su ex w/Sutatenza briefly w/EE (accented) w/supermarket ad. (Kaz)

960 CUBA Relej synchro in mess w/"RR" in Horse code beeps 0004 11/14. Common in MI but not here. (Kaz)

980 BRAZIL far stop w/PP men and women and peaking xint in mx 2315 to 2316 11/18. (Kaz)

983t HALTI h/VCS presumed w/Creole sounding anncr and lively mx poor-fair peak 2333 11/15. Thanks to Hakiel for telling me they seem to be here now. (Kaz)

999t MCR000 Ad-Bakhta presumed w/AA chant 2352 11/11 poor and could not maintain sig long enough to //. Carrier and audio bits are often here in reasonable Afro ex. Hakiel says he's heard AA here too. (Kaz)

1000 BRAZIL Sao Paulo O119 11/14 nice R. Record SID by women into mx briefly stop Hun-dial Mil. Very good, clearly atop later at 0132 11/18 very good-xint peak w/PP men and women but soon buried by Mundial Mil. (Kaz)

1000 CANARY ISLANDS poor looping 900 w/SS na 2320 11/13 during good opening to that area in su ex. (Kaz)

1010 COLOMBIA N. Sutatenza with ten minutes of slogans and ads and Barranquilla area geography followed by music 0130 11/19. Put a strong bet on CFRB. Not // to 5095. (Renfrew)

1030 HALTI h/VCS Cap Haitien presumed way u.phase null of WRZ's super-local signal w/EE religion 2321 11/18. (Kaz)

1040 COLOMBIA Caracas Barranquilla with loud and clear signal 0155 11/19. (Renfrew)

1043 URID fast talking SS anncr 11/4 0410 then quickly faded. (Heinen) Wonder who that was? CH

10b2a URID music and talk in a Romance lang. Could have been Portugal but hard to tell due to adjacent channel interference. Faded out almost as soon as I heard it by 0730 11/20 which matches Portugal's sunrise. No other TA's were noted this AM. (Renfrew)

1086 ANGOLA Luanda ID'd by DF of 100 ± 5 degrees and Freq (nothing else on 1098) strong carrier probably OS 0007 11/14 when 944 was in. Bits if mx in slop improving to poor-fair mellow singing taped 2356 11/15 I think was in PP but will go over tape a few more times. Their carrier has been noted on several occasions during good Afro ex. (Kaz) I wouldn't say that you are absolutely wrong or right to say that you ID'd this stn, but to my mind a rough DF and frequency logging like you made can not be the basis for an ID. A carrier is just a carrier in my book and can not be anything more than that. That is my personal feeling and of course everybody else is welcome to their feelings....CH

1120 VENEZUELA Super Ondas with Top 40 format, KMOX looped 0310-0405 11/19. NA at 0400 but pgr continued. (Renfrew)

1127 COSTA RICA San Jose 11/26 0430 still here w/THO, SS and EE and many "Sonido Once-Voicnte" mentions between records. (Heinen)

1200t BRAZIL Fortaleza presumed the one w/what sure sounded like PP in severe QRM poor with men anncr 2110 and faded into slop/QM. 11/19 YVOZ totally in contro vy 2200 after fade-in. 11/20 in clear-poor/fair peaks before YVOZ fade in 2125 w/light dimmer phased. Somebody (YVOZ?) took over 2130 as this faded. PP came back mixed w/YVOZ (ID'd later) at 2140 briefly before YVOZ took over for good as usual. (Kaz)

1205.2 UNID here briefly w/accented EE news mentioned N. Ireland 2116 11/19. Sure seems much too early for Cayman (1555 did not show until an hour later). I couldn't DF. I'd suspect Sierra Leone but they are definitely on 1206, right? (Yes-CH). 1206 had Bordeaux weekly later. Not Cayman-they were noted later on 1205.0. Some 1205/2 in the next night around 2120 in worse QRM. Either off or taken out by Cayman 1205.0 which was audible by 2215. \*Kongo a long shot w. EE mx at 2100 as reported by Richard Wood. Help requested! (Kaz)

1220 BRAZIL Rio de Janeiro blasting in w/Globo ID, PP mx, promo xint and far-above anything else 2201 11/20. Light dimmer (shut off later) phased out. (Kaz)

1224 SENEGAL Ziguinchor poor w/Afro mx noted in passing w/dimmer phased 2159 11/20. (Kaz)

1251 LIBYA very good creaming 1250 w/AA violins and chants 0326 11/7. (Kaz)

1305 SENEGAL Dakar becoming a sunset pest-good w/PP men talking, looping same as 1404 2328 11/18. (Kaz)

1349 MAURITANIA Nouakchott 2354 11/15 vebly good-xint reducing 1350 to a background het w/a-capella slow AA chanting. (Kaz)

1386 GUINEA Labe new stn noted for first time fair-good taped // 1404 which was xint. 2330 11/18 w/wired mx and talk in vernacular lang. Considering 9404 ial isted 400 kw and 1386 is listed 100 kw 1386 was definitely too weak; maybe Labe is inland. (Kaz) I wouldn't draw any conclusions from listed powers!! CH

That's all this time-the rest and credits next issue. Merry Christmas!

CRAIG HEALY  
66 COVE STREET  
PAWTUCKET, RI 02861

Loggings:

- 1608 ??? 0217,0220,0223 11/27 D187 and dash. Good w/ 1600 and 1610 slap. (Healy)
- 1612 ??? 0507,0511,0515 11/23 FRB caught again. Good level. (Healy)
- 1618 ??? 0739,0742 11/30 FC35 and dash. Fair. (Healy)
- 1629 ??? 0723,0733,0737 11/6 KA81226 fair. (Healy)
- 1635 ??? 0455,0503 11/7 U340 and dash poor-fair. (Healy)
- 1635 ??? 0525-6 11/18 U287 and dash fair. Continuous ID sent. (Healy)
- 1635 ??? 0528,0535 11/18 O221 good. (Healy)
- 1635 ??? 0531,0533 11/18 U445 fair. (Healy)
- 1637 ??? 0536,0538 11/18 KA81184 good. (Healy)
- 1637 ??? 0536,0538 11/18 KA81192 good. Very fast code, around 20 wpm. (Healy)
- 1637 ??? 0457,0509 11/19 KA80084 good. (Healy)
- 1637 ??? 0503,0507,0510 11/10 C316 fair. Some frequency instability. (Healy)
- 1637 ??? 0600,0607 11/23 FRB now up here! 45 mins ago was on 1612. Good. (Healy)
- 1640 ??? 0540-7 11/19 KA83335 good w/ continuous IDs. (Healy)
- 1642 ??? 0655,0659,0701 11/16 and 0541 11/18 NV43 and dash. good. Here last month, too.
- 1642 ??? 0703,0710 11/16 Q448 fair-good. (Healy, and above.)
- 1642 ??? 0543,0545 11/18 L320 fair-good. (Healy)
- 1642 ??? 0544 11/18 C447 fair. (Healy)
- 1643 ??? 0448,0453 11/14 KA81194 poor. (Healy)
- 1647 ??? 0514,0517,0520 11/14 FRB caught again. Either there are an awful lot of FRB beacons, or we've got a mighty strange game of hide and seek on our hands. (Healy)
- 1648 ??? 0443 11/19 KA83343 good. (Healy)
- 1649 ??? 0453 11/19 KA81192 fair under splatter from WGNC-550 3rd harmonic!!!! KA81192 also noted tonight on 1637, but with faster code. Hmmm...? (Healy)
- 1650 RI Pawtucket 0523-5 11/14 WGNC 3rd har. noted fair. C&W mx, ID. Never hrd up here before. Gone by 11/30. (Healy)
- 1650 ??? 0712,0713 11/16 KA83345 fair. (Healy)
- 1665 ??? 0544,0546 11/3 SV42 and dash. Fair. (Healy)
- 1665 ??? 0543,0551 11/3 KA83468 poor. (Healy)
- 1729 ??? 0507-11 11/21 D7K and dash. Very strong, way over t-storm static and a cordless phone. There, but weaker 0522 11/22. (Healy)
- 1755 ??? 0505,0520 11/18 FU13 and dash. fair. (Healy)
- 1762 ??? 0522,0527 11/3 FRB noted here. Good amidst the crickets. (Healy)
- 1768 ??? 0529-35 11/3 RTTY signal. Definite RTTY noted. Transition between idle and data transmission hrd clearly. Good signal strength. (Healy)
- 1768 ??? 0500 10/7 NT beacon hrd w/ endless tape loop w/ splices "kerchunks". Weak and faded over a heterodyne, possible a data transmission. Not hrd since. (Arthur) (No ideas on this, John. ed)
- 1783 ??? 0526-35 11/22 30 pip-per-minute station noted again. AKA "water torture of the air". Format is that of a faucet dripping into a glass half full of water. Better format than some of my locals. (Healy)
- 1783 ??? 0810-0816 11/30 Two separate and distinct 30 pip-per-min. stations noted. One has short pips predominately and the other, long. Both good but fading at different times and rates. (Healy)
- 1840 IL Granite City 0404 11/14 WGNU 2nd har. poor w/ religious pgm. (Bueneham)
- 2800 HONDURAS San Pedro Sula HRP1 har. is being hrd from before 0200. Also seems to announce as HRP "uno" which may be their FM call. This is the station whose appearance on 6000 kHz during the latter half of 1982 sparked a new round of speculation, apparently erroneous, about R. Swan. (Stanbury)

Credits:

- John T. Arthur Pahoa, HI R388, 100' LW
- C. M. Stanbury II Ridgeway, ON HQ200, 80' LW
- Eric Bueneham Hazelwood, MO DX-200, SM-2, 645' LW
- me Pawtucket, RI RTA, 125' LW, 25' vertical, regen tuner/preamp.
- And appreciated correspondence from Pete Taylor and John Ramsey. (Welcome, John)
- The question of numbering of harmonics came up this month. I go along with the ARRL definition in this. From page 3-15 of the 1984 "Radio Amateurs Handbook":
- .....the multiples [of a frequency] have a specific name and are called harmonics. There is no "first" harmonic (by definition) with the second, third and fourth multiples designated as the second, third and fourth harmonics.
- Eric Bueneham also sends a bundle (appropriately enough) of KMOX harmonics. I'll include them next time, rather than put them on a part of another page. "Th then....."

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers or MRC.

Deadline for #13: Dec. 24; for #14: Dec. 31. As I complete my first year as Musings editor, and as we head into the final days of the holiday season, I'd like to say thanks for all the help and suggestions for improving the column to all my "old" and new DX friends. And to all the readers of DX News ... May happiness and peace be a part of your household this coming year, and may Santy fill your DX stocking with exactly what you wished for! On to the good stuff...

Bill Andrea - 1159 Montauk Highway - Copiague, NY 11726 (pm 11-2; rec'd 11-5 and disappeared into the black hole known as the kitchen table; reemerged 11-31. Sorry, Bill!) First DX session of the season for me in the land of my ancestors, Southern Queens County, NYC, "near Kennedy airport", was a noise-infested one. The unravelled power line a few houses away caused terrible noise except on a few regionals - a hideosity that was instantly reported to Con-Ed. Last year (same noise, same source) they cleaned it up for a few weeks, as though filling a pothole. Fortunately, the null of the noise also nullled WINS somewhat, and on 1000 kHz I was trying to ID a SS when, at 4:25 a carrier surfaced out of nowhere in the middle of a song, and I caught a new one, CPLP, with pop mx and news in PF at 4:45. CKBW noted later on, along with a c&w'er. TT u/WINS 5:15-5:20 unID. Note to all air-check collectors! I'm looking for any-and-all mid-60's "period piece" checks such as jingles - particularly jingles - WMBC's "Adams Street Supermarket" routine, XERF, WPTB, WNOB, WKDW, WDRC, etc. My own collection (in the usual :15 second tape-log/master form, hi) goes back until 1967, with all the years before that - on four big reels - swiped in Brooklyn. So, I'll never hear or see that stuff again! There remains, as a result, an important cultural gap missing from my tape files that I'd be willing to reciprocate with in the form of whatever jingle collections I've got, or air checks. I've got, at my disposal, thorough dubbing and tape facilities, cassette or reel, any speed. So, if you've got anything that you might be able to fill in the void, drop a line. Naturally, postage, etc., is on me. Particularly you NE DX'ers, NYC, NJ, CT, PA. 73!

Ernest Cooper - 5 Anthony Street - Provincetown, MA 02657 (pm 11-22; rec'd 11-25) The Aurora shines on! MM 1-14; 12:50 am, end of a symphonic piece, then announcements in SS by M & P, on 1388, much tele-talk till 1:35 and on. There was a show featuring E. Presley mx on 1590 which ended at 2 am and the station left the air then, with no announcements of any kind as the FCC slumbers on. On 1569a, there was an SS with terrible tone quality squeezing in between CKLM-1570 and the OC of WQXR-1560 all AM; rounded awfully Cuban to me; not noted since. WHAS-840 was on TT this AM at 2:26 am, o/u R. Panama and another SS. Tue. 11-15: For a DX'er with 4,250a veries, would believe FOUR new ones in one day? 'Tis true - fantastic AU ex prevailed and brought me a field day! First, unnn WR00-1340 was solidly atop at 1:24. Over to 1450 went I to find Larry King on top, and he stayed there through the local ID and commercial at 1:29: 'twas WSTU, Stuart, FL! Then on to 1490 to find WMBM-FL holding forth there with NN (?? -pls) programming; in/out till 3 am Beddie-bye time, for reports to WSTU and WMBM. A twilight try found cx even more outrageous, and on 1450 I tuned in just in time to hear "This is Radio Antilles" at 5:24 pm! They were WAY UP ON TOP too for the next hour. They had nx in German 5:25-5:35 from R. Dutschlander, they said, then at 5:35-6:05 came "The World Tomorrow" after an ad for Tankeray Gin. And lo and behold, they s/uff for the night at 6:21 pm, announcing the time as 7:21, and frecuencias as 930, 730, and 1450. I tried 930; no sign of 'em there; I did not have time to check 730. Then on 1460 here's Turks and Caicos sitting nicely on top and logged while Herbert W. Armstrong was spouting on R. Antilles, with SX nx and call letters given which sounded like RTP, perhaps RTC for R. Turks and Caicos. Then, cl mx, and reports to both, making the quartet of novies for 11-15! Wed. 11-16: 1450 is "Information Radio", with phone # 345-1450? Noted at 1:04 am. A 1570 TT'er held my attention 1:46-2:13 am when the switched to CNN SX nx, likely from their AN PM sister, then CNN regular nx. At 3 there was a PSA for Smokey the Bear, and at 3:07 they went into rock mx. But, no ID's - I wonder who this one was? Thur. 11-17: TT on 1220 12:57-1:18 and varying tones on 1400 1:46+. MM 11-21: Surprise again; WLNT-1140-TEST made it here with WRVA very weak. Forward - March!

Wayne Heinen - 1642-C S. Idaho Cir. - Aurora, CO 80077 (pm 11-28; rec'd 11-30) With a coating of snow, hi! Some DX has been had amongst TVI and the snow. Today under 18" of snow, I thought I would review the DX for the season. To update the "never-heard-by-the-MRC" report daytime novies here include veries by KEYS-690, KBOL-1490, KYOU-1450, KFTM-1480, KRAE-1480, KSIR-1470. DX since last Muse 10-5 KVOQ-1540 11:30pm-12:00 am with SS programming. Attempts at veries from perennial favorites 10-17 XEW-900 9:30-10:00 pm, XEX-730 11:47 pm to 12 am. 10-31 WECO-940-TEST tentative on tones netted a nice verie. 11-4: During recent aurora VOA-1180 11-4 9:26 pm to 10:00 pm later XEDM-1080



14 Tony Fitzherbert - 356 Jackman Ave. - Fairfield, CT 06432 (pm 11-28; rec'd 12-1) Hi. Since the last epistle, lots of good DX, with the results to Dave Schmidt's column. The best catches have been on 1598 KHz, and 1150 KHz. NQQW's Sunday am sp has opened up new vistas, like much-wanted WSMN-1590's 5:53 am s/on - today (11-27) as if it were coming from Westport. 1490 has also been good with needed WQXQ at 6:33 am today. Verloa - a few have rolled in - a v/g from WCSS-1490, my report with a business card from WSKT-1580 (I guess that is a veriel), a v/l from WNY5-1128, noting that they operate with 680 watts power from a 500-foot tower, a v/l from WPA2-1370, and my report noted "confirmed" by the GM of WASY-1590. On Feb. 29, 1984, by family and I will spend a week on a ranch outside Tucson, AZ. I would really appreciate any info on Tucson radio - may even get off my horse (literally!) to visit a couple of stations for Profiles - what unusual stations are there out in Tucson - other than 690-KVOI, which, I believe, offers a Mexican format - which would offer an unusual profile! Is there a station there that is all American Indian formatted? Please let me know! And keep your profiles rolling in! All for now!

Bill Townshend - 4588 Conn. Ave. NW #901 - Washington, DC 20008 (pm 11-29; rec'd 12-2) (282)966-8846 Greetings once again from the land of pleasant living. I bought a Radio Shack Portavision 12-660 rig (for \$49), which has the two TV bands (ch. 2-6 and 7-13) as well as the AM and FM bands. I use it mainly for regular listening, especially the TV newscasts. It is about the same size as the TRF. I tried it out as a DX rig and got several newies on the BCX, WAXE-1190, WDGR-1210, and CBA-1070. It has the sensitivity but is not as selective as the 12-655 TRF or the Sony ICF-85W. This means that the splash is harder to get rid of on the 12-660 than on the 12-655. I spent a week in the FL-AL area of the Deep South, traveling via Amtrack and Trailways. With the NRC convention in CT over the Labor Day weekend and a night in Birmingham, AL, I now have slept in all 50 states and all 12 Canadian provinces. I saw Gerry Thomas in Pensacola, FL, where I spent two nights. Tnx to him for a tour of the Naval Base ("Annapolis of the air") where he works and a visit to his pad across town and a seafood dinner at a bayfront restaurant. DX is picking up now with nine more entries in my log, making total heard 1,129. Three newies last week and eight within a month. While the prairies out west are snowbound, here on the EC it is like spring. On this Monday night after T-giving, it is 62 degrees F/ 17 degrees C and muggy. It was T-shirt wx yesterday as I was out most of the afternoon. The Redskins are in the playoffs again this year and have a good chance as any to make the superbowl again. Maybe a dynasty is taking shape at RFK Stadium. Enough for now. C U N 21 or 28. 73's.

Bill Hardy - 2301 Pacific Ave. - Aberdeen, WA 98520 (pm 11-29; rec'd 12-1) PST. Some frequency changes to report. Sun. 10-10: KREW-1210 Sunnyside, WA, ex-1238, loud and clear ending CBS nx 5:06 pm PST. Local ads, "Valley Weather" for the Yakima Valley, pop mx, plenty of "K-R-E-W" and "Crew" ID's emphasizing 1210. Have logged them periodically on 1230 through the years. KREW will not qualify as a pest on 1210, as KGYN can sometimes be heard underneath, and KREW retains a 10:06 pm s/off, so there is an advantage to a clear-channel assignment in a town of 7,000 people. Sun. 11-13: KFAM-700 Bountiful, UT, ex-688, appeared out of nowhere 6:17 am PST with beautiful mx till 6:28, average signal, then a clear "Good morning, K-F, A-M-700 news." Nancy heard this s/off 11-10, but on 11-25 KFAM was on with a poor signal at 6:15 pm, so is probably fulltime now. Get this while you can. 25 kw KGRV-700 Winston, Oregon, is due on by year's end and will probably obliterate KFAM here. One other station change to report is that KUIK-1360 Hillsboro, OR, was on past sunset at 5:19 pm Sun. 11-28 announcing "the all-new 24-hour KUIK," strong signal equal to Tacoma's 5 kw KAMT, so evidently KUIK got approval for fulltime; had applied for 5 kw nights and it sounds like they got it. The ID was during a commercial break in "Top 30 USA." Other DX by dateline: Sun. 11-13: 7am KHUO-1300 good, KMPS partly nulled, ending "Country Crossroads." DJ mentioned a Spanish program coming up "until noon," ID as "KHUG, Phoenix," AI nx. Went into Spanish 7:05 am. Later that day, heard a few KUZZ and Bakersfield mentions atop KYTE and the 970 mess at 4:28 pm, c/w mx. Tues 11-15: 9:30 pm KVEG-1410 poked thru CFUN with c/w and ads while I was looking for KWYO for the NRC contest. Wed. 11-16: 5:02 pm KCRE-1310 fair u/KDIA with "KCRE-AM" mentioned at start of s/off. Next Musing will include results of another DX campout on the Pacific Ocean, plus some loggings and near-misses during recent windstorms. 73 and good DX.

Steven A. Paradise - Box 1816 - Susquehanna University - Selinsgrove, PA 17870 (pm 11-29; rec'd 12-2) 831.128 - EST - Greetings! I've just returned to school from a lovely break at home in Millville; that's New Jersey, folks! (Who? hi -pls) While I was at home, the DX bug got me, a very successful case of DX bug, too. Onward: Tuesday 11-15 WASC-1530 SC was in at 5:29 pm in what was the beginning of a great opening to the south. WSSA-1570 GA was in at 5:29 with an ID. WMYB-1450 with spots, PSA from 5:34 to 5:35 was in too for my second graveyarder. Wed. 11-16 brought WLAT-1330 SC at 5:10 pm, WLSC-1570 SC at 5:14 and WYNX-1530 GA at 5:17. Thur. 11-17: two newies; WIVL-1680 NC at 5:30 and WEUP-1600 AL from 5:34 till 5:36. WTAI-1560 FL, WTNB-1570 FL, WOKC-1570 FL, and WGSB-1528 PL were all in from 5:25 to 5:44 on Fri.

15 11-18, plus una WSRF-580 FL. MM 11-21 brought the WLNT-1140 test, and later on Monday 11-21 came WPTF-680 NC, WDNC-620 NC, WYNC-1540 NC, WCLE-1570 TN, WRHC-1550 FL were in between 4:53 and 5:30. Also on Monday 11-21 was an unID on 1440 at 8:08 with a weak time check (eastern time zone). Calls sounded like WBTA. Whooooo777 Only two on 11-22, WPCW-1530 VA at 4:54 pm with spots and talk, and WUVR-1280 PA at 5:15 with a United Way spot. Finally, on Turkey Day, 11-24, after stuffing myself royally, down to the DX den to fool with the dials. WWHQ-1430 FL at 6:49 with "3-W Q" ID's; WELM-1410 NY with an hourly ID at 7:00 pm; WQIA-1328 FL was in at 7:03 with a "Happy Thanksgiving" wish; and finally, a most-wanted nearby station, NGET-1320 PA with an ID in a spot at 7:04. /// Now that I'm back in school, I hope to continue my DX pursuits. 73's and good DX.

Paul Mount - 471 Emerson Ave. - Teaneck, NJ 07666 (pm 11-30; rec'd 12-3) (201) 836-1137. Here is my version of the NRC convention. Stayed up half the night typing up a new Bumper Stickers list, going to bed with a total of 1,730. A few hours later I was about to leave when John Clements called from a relative's house on Roosevelt Island, needing a ride, so I hopped over to Manhattan and we drove up together. Stopped off at WPUT in Brewster, NY (1518, MYL) because I knew how to get there, and we got some "Ballot Box" stickers, needed. Also hit AAA in Waterbury for maps, then drove up amongst the many speed traps on I-91. Checked into room 533 with Roger Giannini's help on all the promo item bags, and checked out Boston (fm) reception. Dinner was at Denny's - Messrs. Chatterton, Clements, Monti, Morehouse, Malicky, Cooper, Bond, and Townshend arriving just as the Knitters left. First roommate to arrive was Niel Wolfish, about 10:38. We traded stuff and with Roger, listening to WNRG-650 which had peak signal near the lights in the hall. Our other roomie, George Green, arrived about 5 am, having worked the entire day in Akron and then driving out. Didn't get up till about noon Saturday. Met Neil Kazarov, then Greg Monti, Niel, George, Dave Whatmough, and I drove all the way to Windsor to go to Ponderosa for lunch. We saw some dead mammals in the road but chose not to pick one up for the Scavenger hunt. Once we got back, met fellow New Jerseyan Bob Smolarek who had been making WJDM/WKMB tower hunts about the same time as me, also Rich Harrison and Phil Crocker. Dave W. traded coverage maps while Ken C. sold booklets (great publication!). Niel and I got to talk with one of the newer members from Mount Risco that evening before the DX Quiz. That night room 533 became Sticker Trading and Aircheck Listening HQ, as J. Bond, G. Greene, N. Wolfish, P. Morehouse, Frank Merrill, G. Monti, D. Whatmough, and G. Walton all crammed in to our room to hear KAWU broadcasting from somewhere near the blinking light, and see those colorful sticky backing items change hands for hours. Sunday saw lunch at Wendy's, a contribution of stickers on hand for the Scavenger Hunt (blown away by Bruce Conti), a visit to 60's member Mike Bugaj's house ("licensed to" Enfield); Joe Pala and Harry Hayes already were there. At the business meeting publisher Knitter gave reasons for not publishing a membership list (requests for bulletins from places where there are no members, someone in Saudi Arabia photographed with a DX News, other clubs don't do it) and possibly feeling guilty that Hardester got ripped off). It seems to me that a long-standing member is going to have more equipment that could be stolen (by the thief looking at member addresses) than the new member. Anyway, I got a list in the mail for my gripes about inconvenience, etc. Best Providence and St. Louis (despite the latter's quote of room rates already) got meager support for convention bids, but enough votes that it sent the show to Colorado Springs instead of Milwaukee next summer. After a visit to the Harley's pool/jacuzzi/sauna, it was auction time. It was unusual this year in that next to no T-shirts were available, but there were lots of promo items from the '38's that accompanied veries of members no longer with us going for good rates. RADEX magazines (once HQ'd here in Teaneck, Carlton Lord tells me) went for about \$4 each in lots of 5 or 6, and there were various "technical manuals" offered, in addition to the sale of 150 WSRD stickers to a bidder saying "there's a car to be done." Hit the beverage site at the trolley museum, and heard WSWT on my new Aiwa HS302 AM/FM personal stereo recorder. They were testing as I wandered the yard looking for 1975's "The Dead Bus." Finally got in the traditional hearts game with Joe F., Chuck Rader, and George G. No. Terry Klasek in the games this year. Monday was mostly checking out, comparing the safety methods of DX'ers, such as not wearing jewelry while DX'ing with open-top tube sets or playing human longwire in T-storms. As it was only 1 pm, too early to go straight home, Dave Whatmough, George Greene, and I headed for the hills, getting from Enfield to Brattleboro, VT in about an hour, thanks to a well-placed radar detector in the lead car. We visited WTSA-1450/WMMJ-96.7 and WKVT-1490/92.7. WTSA had just installed a dish to get their UPI nx via satellite with 1200 wpm printer. More later.

\*You'll Get a Big Kick Out of This\*

John R. Malicky - 995 Shadycrest Rd. - Pittsburgh, PA 15216 (pm 11-30; rec'd 12-3) Hello! First off, thank to Ernie Cooper for mentioning my well-DX'ed and written column in issue no. 4 from his Muse of Nov. 28 and to new member, but old-time DX'er William Moser of Wishek, ND for just enjoying my Musings from his Muse of Nov. 21. I think writing a Muse should be in fairly good English (I make mistakes, too) and it should contain (but not always) some information about the DX'ers area, or what they heard. As to what is happening



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18:00 to 10:30 pm with BB game. 11-21; KOJO-1498 1:56 am till 2:02 am s/off with c/w mx and local nx s/off with SSB. 11-24; 2:52 am-3:01. Radio Latina KRTR-1240 Albuquerque with SS programming. CBU-698 3:55 am to 4:04 am s/off. Also, 11-24, my first TP report to J01B-747 with EE language lessons 4:08-4:25 am SSS. 11-26 KRRY-1460 with c/w mx and local spots 5:07 pm and 5:15 pm. All times above are EST. All DX these days is on a R-398A with a MW-1 antenna. Plans are rolling right along for Colorado Springs in '84 with announcements to be forthcoming. It's nice of Arapahoe County to call off work this MW. First decent MM DX session I've had this year. So have good DX and see you there. 73.

Mike Reid - 109 Arjay Cres. - Willowdale, ON M2L 1C6 (pm 11-27; rec'd 12-1)  
ELT. With the end of my fourth year in the club drawing year, I figured I should get a Muse or two in before I depart. I don't feel my current level of interest in MW DX warrants my sticking around (not to mention the \$24 Cdn. to renew). Despite my contributions to DDXD and "Top End" last season, I haven't done any serious MW DX since May '81, and am letting a multi-year membership run out. Only recent DX: KPRC-1616 at 2 am on 11-21 with his own post "Day After" talk. Locally, CHUM-1050 is using Kahn stereo and CKMW-790, which was silent from midnight to 6 am, is back on "commercial free" in this time. Funny, I never heard a station boast they couldn't sell time. CHNR-1600 is off daily 12:00 to 5 am and CFOR-1570 is off daily 12:05-6 am. This info not in the log or updaters, as far as I can tell. I sent this info to Dave Schmidt back in the spring with other stuff, but only the other stuff was printed. I wonder what happened? (Log updaters go to Ken Chatterton, at the NRC publications center - pls) I would like to thank ERC for the many years he put into this column, an excellent effort. And on the same note, to all who worked on the Anniversary book - a super job and only \$11, worth much more. 73's. (Mike - you don't have to do ANYTHING to be a member of the NRC, and your contributions place you in a minority group, an active group. The \$\$ is another question, but I hope you'll "stick around" and see what happens for at least a few more seasons. My DX'ing since '81 has been sporadic, too -pls)

John Herman - P. O. Box 171 - Vinita, OK 74381 (pm 11-28; rec'd 11-30)  
About time I Mused again as this will be only my 2nd one. DX has been pretty good so far this season. Got my log redone on NRC sheets and after a few modifications it looks better than the Golder sheets. Now to DX, most of which has been sent to DDXD, so I'll just highlight some. WEED DX test 9-10 fair with KTKK and XEYV. Jim Headlee per verie I was the DX champ (hah). But I was the only one to hear 'em west of the Mississippi. MM 10-24 brought KUBJ-1558 Canyon, TX on ET at 2:17 am EST, KIML-1270 Gillette, WY 5:12 am on f/c, only my third WY catch. I noticed they are not on the f/c list so I'm starting a list of those to send in. (Great! -pls) WLSJ in well on 1220 at 5:22 am and the now-famous WDGR-1210 did well here that morning also. My verie says 2,500 watts when I reported them. KOGT-1600 at 6:00 am with s/on and "Kiss Orange Girls Twice" ID from DJ Richard Corder. Noted KMRY-1390 11-5 at 7:44 pm with MOYL-type format. The verie said they cleaned up the xmr problems that had existed for years. Maybe why I hadn't heard KCBC. MM 11-7 brought CHYR-7 Leamington, ON with a Led Zep song and a rel. pgm. Are they really 500 watts? Must be a typo. Also that morn. KRKE-610 with "61 Country" ID's and legal ones, at 6:31 am. Confusing for little while with WDAF in there with same slogan. Veries are for October WNAK, WDGR, KIML. November brought WLSJ with BS, WNI for ET, KOGT, KUBJ (ET), WEED with BS and bus. card. Nice photo of their facilities. Also WVJS and BS, KMRY, WSWG and BS, KRKE card. Totals now 503 heard in 35 states, 7 countries. Veries: 110, 31 states. Don't know how many lines, but I think I'll end it here and try to Muse more often so I don't go back so far each time. (I like your attitude, hi! -pls) CUN 7.

Dick Truax - 3063 Gleason Ln. - Louisville, KY 40299 (pm 11-21; rec'd 12-1)  
Hello again from the Derby City, and in case I don't Muse again before Christmas, let me take this opportunity to wish all who read this a safe and happy holiday season. May 1984 fill your DX'ing wishes! Only three new loggings here since last Musing, plus another unID s/off I need help with. 11-15: WMSQ-640 TN noted blasting in with religious programming and ID's as Victory Radio before pattern/power change at 6 pm. Still barely audible after 6 but Cuban took over channel. I wonder what direction they beam after going directional. North? Then on 11-20 KJEM-1190 AR s/off at 6:15 pm with WOWO nulled. My unID occurred on 11-26 on 1220 at 11:05 pm with s/off w/WGAR, sounded like W??? call given three times but missed each time. HELPII Then on 11-27 WYNO-1120 OH noted at s/off 5:10 pm so now on this channel. Updating construction permit activity in this area: WKCM in Hawesville, KY is now on 1160, ex-1140, as of 11-24 and possibly earlier. Creates a low het on WJJD, so is slightly off channel. Still s/off at 5:30 pm so is not fulltimer yet. Although not on yet, local WLOU-1350 should be full-time soon as three tall-tower directional array now up on west side of town, evidently to be directional to the east to protect Akron, Kokomo, and New Orleans. Keep an eye on this channel, if needed, as they should be on soon. If anyone can recall Jean Shepherd of WOR-710 in the late 50's-early 60's and by chance recorded any of his programs, I would certainly like to hear from you! Am trying to gather a collection of his infamous ramblings and would be willing to trade what I have to any other interested parties. More as it happens.

17  
around here, the president of WIXZ-1360 has bought an FM station and WEED-1080 (or 1070), the 50,000-watt daytimer (soon to be nighttime) was allotted a post-sunset increase of 1 1/2 watts - hah! The article in the paper also had one station manager as saying, "Please FCC, no more ... you are going to kill us with kindness." This quote from Broadcasting Magazine. /// Returning to DX'ing, with the sun coming up later in October, on the morning of the 21st, a cloudy, dreary morning, many NC and SC stations were heard. Highlighting them was a strong s/on at 6:30 am and broadcastform WCCP-1560 Clemson, SC with MOR mx as 'QXR was absent, WANC-1350 Aberdeen, NC at 7:50 am with local ads and satellite nx and WEED-1390 at 8:21 am, in about 25 minutes. The last 2 were v/I and WEED's Mr. Headlee said his newsmen got "a big kick out of your letter!" I also logged Indianapolis's WIRE-1430 at 9:25 am and received a v/q but no signer. On the night of the 25th, with the Grenada situation, I heard WIAF-1500 Clarksville, GA remain on the air to present information from the island from hams by order of the county's CD director as they played Gospel mx and presented PSA's in between. They signed off at 9:55 pm EDT. At 1 am, the following morning, I listened to Cuba on 690 give an English-Spanish account of Grenada while WVOK was drowning them with a TFI. On the morning of the 26th, our favorite station WDGR-1210 was blasting through WCAU at 7 am. On 1220, now WGNV in Newburgh, NY was in good with R&R and local ads at 7:44 am. At 8:05 am, I finally heard some programming through WWAU from WAMB-1170 in Donelson, a suburb of Nashville, TN with their local nx and wx. On the 27th, now WVA-1350 Norton, VA of/slopping WIXZ with local ads and c/w mx on "Wise County's mx Source" at 7:40 am, coming back on the 29th to s/off at 7 pm. At night on the 27th, 2 K's, both new KDTN-1370 in Dubuque, IA was heard at 7:21 pm for "the Great outdoors with Warner Vance" and at 7:29 pm KUXL-1570 in Golden Valley, MN signing off. On the morning of the 28th, WKCW-1420 in Warrenton, VA o/WNK with c/w mx and an unusual promo at 9 am, "...back home to the rolling hills of lone VA, we're WKCW, that's right, the war is still going on and we aim to win that country mx war by sticking to our roots!" And with that I say Happy Holidays and see you next year.

Alphonse B. Tobia - 7603 Linden Ct. - Newark, CA 94568 (pm 12-1; rec'd 12-3)  
Hello again ... the AM band is hopping out here, especially on the clear channels. With the new stations going on it's giving us all new things to hear, but at the same time will make hearing some east coast clears harder to hear. This past week heard for the first time KFAM-700 out of North Salt Lake City (Bountiful, UT); signal is fair; they play BFL mx ... and at this stage of the game you can still hear good old WLK in the background ... but the more stations that go on 700 (as with the other clear channels I am sure that this situation will change ... making these frequencies like 680 and 1070 are in the east at night). Also on 1020 heard in null of KTNQ ... NYXE in Selah, WA with a poor signal here. On 1210 KREX in Sunnyside, WA is in good ... they sign off at 10 pm PST. Been reading with great interest the comments by east coast members on the new station on 1210, WDGR in Dahlonega, GA (seems to be heard in Philly area behind WCAU) Wow ... wonder why CBS/WCAU hasn't said anything yet? These new clear channel rules supposed to protect stations' areas out to 700 miles if I am not mistaken. A few weeks ago heard at 2 am PST a signal on about 1620, possibly a T16, but it was real weak. Any ideas from west coast members as to who it is? Was mentioning days of week that something would be open??? Last few nights conditions have been great with east coast clears "real" loud ... so loud I was listening to WLS talk show Monday morning and Jeff Davis too (good old WLS ... great signal!!!) KORL was in too on 11-28 at about 1 am with a good signal. Last night heard WBSZ behind KTW0 ... good (as long as nothing was being said on KTW0). Been looking for stations to be on with new sunset rules; haven't heard any yet out here. Question for a midwest member ... what's the furthest east KRVN has been heard while they are directional? I would like to know. Well, that's it for now ... take care. (AL, KRVN very rarely made it into SE Kansas during directional times; WCBS and LA's easily overpowered it. -pls)

Jack Woods - 4073 NE Morning St. - Corvallis, OR 97338 (pm 12-1; rec'd 12-3)  
On this last day of November some large snowflakes were mixed in with the rain. With luck, that's all we will see this winter. The Musings the last few weeks have been unusually interesting - especially those from the Far North and overseas. Seems we must have numerous members who have never sent a Musing in. Maybe we should have an issue for exclusively first-timers. On the subject of how to identify reports by time zone, I say, let's go where most people live in this country live and use ELT. For international DX let's go along with the rest of the world and use GMT. Have been searching for an AK for several years and last week caught one! On 11-25 from 0956 ELT to 1005 had KYAR-650 with ID, local nx, sports, and local wx. Also c/w. On 11-29 from 0536 to 0541 ELT, KMVI-550 HI coming in like a local. Next week, wx permitting, my wife and I will follow the Hardy family example from last month and spend a night or two by the ocean, so 50 miles west. Maybe some DX there. Regards to all.

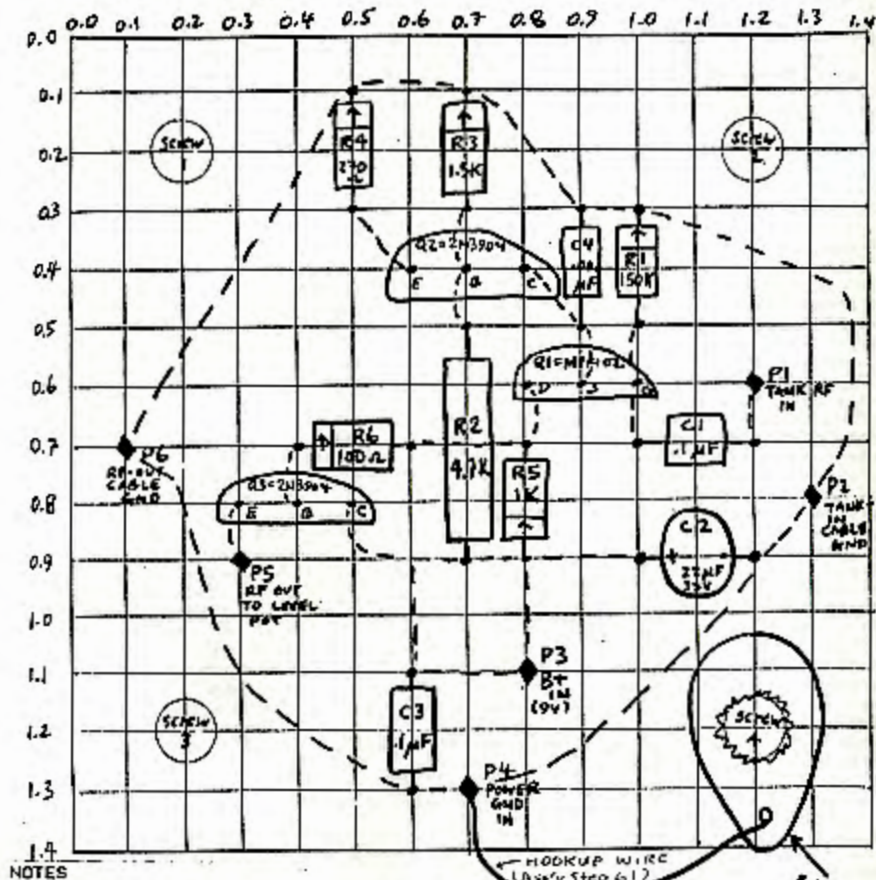
(Jack, I'll take you up on your idea; I've been looking for a good "theme" issue like what Ernie used to run. Let's make the Jan 30 issue one in which we showcase contributions from first-timers; include a little information about yourself, your equipment, and what (if anything) you've been hearing. If you

18 Haven't had much time to DX, just introduce yourself in a few lines. Deadline for the first-timers will be Jan 14; don't forget to identify yourself as a new Muser! And ... how about some other ideas for theme issues? Send them with your next Muser!

Paul Swearingen - 7318 Ensign Ave. - Sun Valley, CA 91352

At Tobia's mention of KFAM-780 as being in N. Salt Lake was the first I have seen; all of the IRCA loggings have ID'd the city of license as "Bountiful". On 11-29, at 9 pm PST I caught it [through GRM from both adjacent channels]: "You're listening to KFAM, North Salt Lake City at AM 780," time beep, into UPI nx. Format is department store mx, hi (I should know!). Forgot to mention that I picked up a Radio Shack 12-656 a month or so ago in San Bernardino. It was a defective model and I paid \$9 for it. After some troubleshooting by John Clements, I traced the problem to a bad diode and have it the old heat treatment with my soldering iron, which seemed to mend it. So there may be a few 656's left out there; just ask. I now am using it as my clock radio; have it plugged into a Micronta timer (what else?). 73!

FIGURE 4 "Roadmap" for Front End Card subassembly (A1 of APT-2)



NOTES

1. Dimensions are in inches (board size = 1.4 inch by 1.4 inch)
2. Dashed lines indicate underside wiring (using component leads and/or added bare busswire).
3. The end of a resistor marked with an arrow ( ) indicates the LONG LEAD side of a vertically-mounted resistor (5 total), R2 is mounted horizontally.
4. Mounting and wiring of components is done during assembly steps 15 and 16.
5. Grid lines are only to assist in locating components; they do not imply connections. Crossings of grid lines correspond to the small holes built into the perfboard.

Table 2 APT-2 Level 1 Parts List

Part No.	Description	Source
A1	Front End Card sub-assembly	(see Level 3,4 parts lists)
B1	9 volt battery	Duracell MN1604
C1	.1 uF ceramic	RS 272-135
C2	220 pF ceramic	RS 272-124
C3	5 pF ceramic	RS 272-120
C4	47 pF ceramic	RS 272-121
C5	10-365 pF mini-variable	Mouser 24TR218
C6	3-30 pF air Variable	GC/Calestro AI-225
C7	feedthrough cap, approx 1000pF	Several Eric or Spectrum types
C8	.1 uF ceramic	RS 272-135
C9	48 pF mica	Mouser 23DH668
C10	22 pF mica	Mouser 23DH022
J1	Motorola Jack	RS 274-712
J2	red binding-post banana Jack	RS 274-662
J3	black binding-post banana Jack	RS-274-662
J4	BNC Jack	RS 278-105
J5	BNC Jack	RS 278-105
J6	Motorola Jack	RS 274-712
J7	battery connector/holder	Acme
L1	4.7 mH	Mouser 43LH247
L2	2.2 mH	Mouser 43LH222
L3	1 mH	Mouser 43LS103
L4	470 uH	Mouser 43LS474
L5	220 uH	Mouser 43LS224
L6	100 uH	Mouser 43LS104
L7	47 uH	Mouser 43LS475
L8	22 uH	Mouser 43LS225
L9	10 uH	Mouser 43LS105
L10	4.7 uH	Mouser 43LS476
L11	2.2 uH	Mouser 43LS226
R1	47 ohm	RS 271-887
R2	1K pot	Mouser 31CB301
R3	150 ohm	RS 271-1312
R4	500 ohm pot	Mouser 31CR205
S1	4-position rotary switch	Mouser 18WJ034 or 18YX034
S2	12-position rotary switch	RS 275-1365
S3	SPDT (on/on) toggle	RS 275-613
S4	SPDT (on/off/on) toggle	RS 275-325
--	hookup wire (as required)	RS 278-1296
--	busswire (as required)	RS 278-1341
--	R6174 coaxial cable (as required)	Mouser 515-1156-12

NOTE: RS= Radio Shack

Table 3 APT-2 Level 2 Parts list

Part No.	Description	Source
C5	4-48 x .375 screw	Mouser 529-Y4R6/100
C5 (Qty=2)	#4 lockwashers	Mouser 529-PLW4/100
C5 (Qty=2)	4-48 hex nuts	Mouser 529-4CD/100
C5	#4 solder lug	Mouser 565-1416-4
C6 (Qty=2)	4-48 x .375 screws	Mouser 529-Y4R6/100
C6 (Qty=2)	#4 lockwashers	Mouser 529-PLW4/100
G1,G2,G3,G4	4-48 x .25 screw	Mouser 529-Y4R4/100
G1,G2,G3,G4	4-48 hex nut	Mouser 529-4CD/100
G1,G2,G3(Qty=2),G4	#4 solder lug(s)	Mouser 565-1416-4
J1,J6 (Qty=2)	6-32 x .375 screws	Mouser 529-Y6R6/100
J1,J6 (Qty=2)	#6 lockwashers	Mouser 529-PLW6/100
J1,J6 (Qty=2)	6-32 hex nuts	Mouser 529-6CD6/100
J7 (Qty=2)	4-48 x .375 screws	Mouser 529-Y4R6/100
J7 (Qty=4)	4-48 hex nuts	Mouser 529-4CD/100
J7 (Qty=4)	#4 lockwashers	Mouser 529-PLW4-100
C6,R2,R4,S1,S2	Knob	Mouser 45KN013
--	Chassis box	RS 278-230

WDGR 1000 AM 10,000 watts  
Blue Ridge Radio Co.  
P.O. Box 252 • Dahlonega, Georgia 30533  
"North Georgia's 210 Country Sound"

WHLM • BLOOM RADIO  
P.O. BOX 260  
BLOOMSBURG, PA 17815

Table 4 APT-2 Level 3 Parts List  
A1 Front-End Card Sub-assembly (electrical)

C1, C3	.1 uF monolithic	RS 272-111
C2	22uF/35volt	RS 272-1026
C4	.001 uF ceramic	RS 272-126
Q1, Q2	MPP102	RS 276-2062
Q3	2N3904	RS 276-1603
R1	150K	RS 271-047
R2	4.7K	RS 271-1330
R3	1.5K	RS 271-025
R4	270 ohm	RS 271-1314
R5	1K	RS 271-1321
R6	100 ohm	RS 271-1311

Table 5 APT-2 Level 4 Parts List  
A1 Front-End Card Sub-assembly (mechanical)

P1, P2, P3, P4, P5, P6	pushpin "flea-clip" terminal	RS 270-1392
--	perfboard (cut to 1.4 x 1.4 inch)	RS 276-1395
-- (Qty=4)	4-48 x .5 spacers	Mouser 565-2332
-- (Qty=8)	4-48 x .25 screws	Mouser 529-Y4R4/100
--	#4 solder lug	Mouser 565-1416-4
-- (Qty=7)	#4 lockwashers	Mouser 529-PLW4/100

Table 6  
Hole list for APT-2 regeneration-capable tuner

X = horizontal distance from vertical center line  
- = left of center line  
+ = right of center line  
Y = vertical distance from lower horizontal edge of side observed

## LEFT SIDE

Hole	Component	Description	X(in.)	Y(in.)	DIA(in.)
1	J1	Car ant. Jack, screw 1	-1.0	1.144	0.14
2	J1	car ant. Jack, body	-1.0	0.75	0.5
3	J1	car ant. Jack, screw 2	-1.0	0.356	0.14
4	J3	GND in-blk banana Jack	-0.375	0.5	0.3125
5	J2	WIRE in-red banana Jack	0.375	0.5	0.3125
6	G4	GND screw for J3	-0.375	1.0	0.0

## \*TOP

Hole	Component	Description	X(in.)	Y(in.)	DIA(in.)
1	C5	Main Tune Cap, screw	-2.0	2.375	0.113
2	C5	Main Tune Cap, shaft	-1.625	2.0	0.277
3	C5	Main Cap, stator clearance	-1.25	1.625	0.3125
4	C6	Vernier Cap, Screw 1	-2.3285	0.75	0.113
5	C6	Vernier Cap, shaft	-2.0625	0.75	0.25
6	C6	Vernier Cap, Screw 2	-1.7965	0.75	0.113
7	S1	Length Switch, shaft	-1.0	0.6875	0.375
8	S1	Length Switch, tab	-1.0	0.1875	0.14
9	G1	GND screw for S2	-0.625	1.5	0.113
10	S2	Freq. Range Sw., Shaft	0.0	2.125	0.375
11	S2	Freq. Range Sw., tab	0.5	2.125	0.14
12	S4	Regen. Switch, shaft	0.0	1.125	0.25
13	S4	Regen. Switch, tab	0.0	0.875	0.113
14	S3	Power Switch, shaft	0.0	0.5	0.25
15	S3	Power Switch, tab	0.0	0.25	0.113
16	J4	External Coil Jack	1.0	2.5	0.375
17	G2	GND screw for J4	1.0	2.0	0.113
18	R2	Output Level Pot, shaft	1.9375	2.25	0.3125
19	R2	Output Level Pot, tab	2.25	2.25	0.14
20	A1	Front End Card, screw 1	2.0	1.375	0.113
21	A1	Front End Card, screw 2	1.0	1.375	0.113
22	A1	Front End Card, screw 3	2.0	0.375	0.113
23	A1	Front end Card, screw 4	1.0	0.375	0.113
24	J7	Battery Holder, screw 1	1.375	0.25	0.113
25	J7	Battery Holder, screw 2	2.25	1.25	0.113

Hole	Component	Description	X(in.)	Y(in.)	DIA(in.)
1	C7	St in feedthrough cap	-0.125	1.125	0.189
2	G3	Power-GND-in screw	0.375	1.125	0.188
3	R4	Regen. Vernier Pot, shaft	-0.875	0.75	0.3125
4	R4	Regen. Vernier Pot, tab	-0.875	0.75	0.3125
5	J5	RF out (BNC)	0.0	0.5	0.375
6	J6	RF out to car RX, screw 1	1.0	1.144	0.14
7	J6	RF out to car RX, body	1.0	0.75	0.5
8	J6	RF out to car RX, screw 2	1.0	0.356	0.14

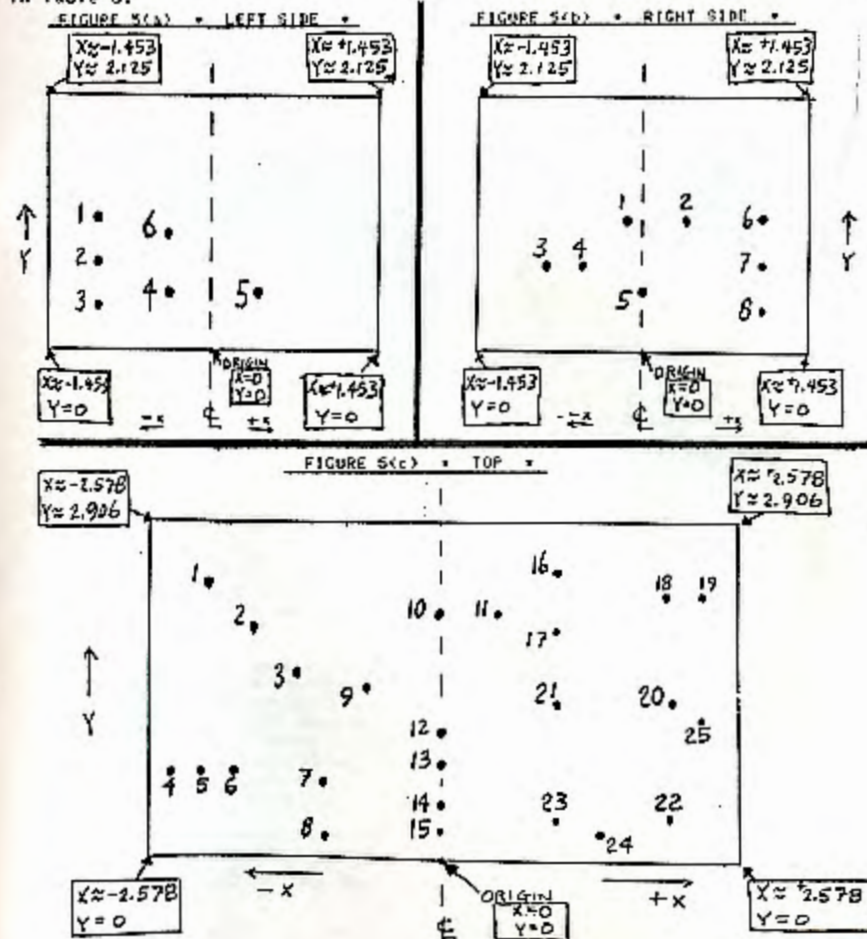
NOTE: Diameters of RIGHT SIDE holes 1 and 3 may vary depending upon C7 & R4 used. In general, it is wise to verify hole locations & sizes, based upon the components available at the time of APT-2 construction.

Figures 5 (a, b, & c) are the APT-2 Hole Drilling Pictorials

For Hole locations and sizes, refer to Table 6.

The Chassis box (Radio Shack # 270-238) consists of two metal pieces; a top (outer) piece and a bottom (inner) piece. All components are to be mounted on the TOP (outer) PIECE. This piece measures approximately 2.906 inches (vertically) by 5.175 inches (horizontally) on its TOP side and approximately 2.125 inches (vertically) by 2.906 inches (horizontally) on its LEFT and RIGHT sides. Note how hole-locating X and Y coordinates are defined in Figures 5 (a, b, & c).

The numbers adjacent to holes on the pictorials correspond to the hole numbers in Table 6.



# BANDSCAN

ERIC BUENEMAN  
836 LAMPLIGHT LANE  
HAZELWOOD, MO 63042  
(314)-895-1436  
(1700 to 2400 ELT)

Welcome to the last Bandscan Column of 1983! Our contributor to close out 1983 is SHERYL PASZKIEWICZ (welcome to the best-el editor) of Manitowoc, WI (in The Knitter State), using a Wards "Airlino" portable and a realistic WX-302. (day)

- |                            |                                |
|----------------------------|--------------------------------|
| 540 WYLO, Jackson, WI      | 1070 WTSO, Madison, WI         |
| 560 WIND, Chicago, IL      | 1090 WISB, Berlin, WI          |
| 570 WMAH, Peashtigo, WI    | 1130 WISA, Milwaukee, WI       |
| 590 WKZO, Kalamazoo, MI    | 1150 WYAE, Kimborley, WI       |
| 600 WBDN, Escanaba, MI     | 1170 WLKZ, Waupun, WI          |
| WMT, Cedar Rapids, IA      | 1190 WAKU, Sun Prairie, WI     |
| 620 WTMJ, Milwaukee, WI    | 1240 WOMT, Manitowoc, WI       |
| 670 WMAJ, Chicago, IL      | 1280 WNAJ, Neenah, WI          |
| 680 WDBC, Escanaba, MI     | 1290 WLZZ, Greenfield, WI      |
| 690 WCKE, Oshkosh, WI      | 1310 WIDA, Madison, WI         |
| 720 WGN, Chicago, IL       | 1330 WMAJ, Sheboygan, WI       |
| 780 WBBM, Chicago, IL      | 1360 WGLB, Urean Bay, WI       |
| 800 WDUK, Waupaca, WI      | 1400 WDUJ, Green Bay, WI       |
| 820 WAIT, Chicago, IL      | 1420 WPLY, Plymouth, WI        |
| 850 WKZZ, Muskegon, MI     | 1440 WNEF, Green Bay, WI       |
| 860 WNOV, Milwaukee, WI    | 1450 KFIZ, Fond du Lac, WI     |
| 890 WLS, Chicago, IL       | 1460 WBRN, Big Rapids, WI      |
| 910 WDOF, Sturgeon Bay, WI | 1470 WBYV, West Bend, WI       |
| 920 WOKY, Milwaukee, WI    | 1490 WYTL, Oshkosh, WI         |
| 930 WLEL, Auburndale, WI   | 1510 WAUK, Waukesha, WI        |
| 950 WKTS, Sheboygan, WI    | 1520 WKJH, Muskegon, MI        |
| 980 WCUB, Two Rivers, WI   | 1560 WGLB, Port Washington, WI |
| 1050 WKAA, Kaukauna, WI    | 1570 WMSM, Appleton, WI        |
- 1590 WRTR, Two Rivers, WI

Now a night scan from the same contributor.

- |                            |                               |
|----------------------------|-------------------------------|
| 560 WIND, Chicago, IL      | 1090 KRAY, Little Rock, AR    |
| 600 WMT, Cedar Rapids, IA  | 1100 WWSB, Cleveland, OH      |
| 620 WDMJ, Milwaukee, WI    | 1110 KEAB, Omaha, NE          |
| 650 WSM, Nashville, TN     | 1130 WISN, Milwaukee, WI      |
| 670 WMAQ, Chicago, IL      | 1150 CKOC, Hamilton, ON       |
| 700 WLN, Cincinnati, OH    | 1160 WJJD, Chicago, IL        |
| 720 WGN, Chicago, IL       | 1180 WMAJ, Rochester, NY      |
| 750 WSB, Atlanta, GA       | 1190 WQWD, Fort Wayne, IN     |
| 760 WJR, Detroit, MI       | 1220 CANS, St. Catharines, ON |
| 770 WABC, New York, NY     | 1240 WQMT, Manitowoc, WI      |
| 780 WBBM, Chicago, IL      | 1280 WNAJ, Neenah, WI         |
| 810 WGY, Schenectady, NY   | 1330 WHEB, Sheboygan, WI      |
| 820 WCAP, Fort Worth, TX   | 1360 CKFC, Brantford, ON      |
| WAIT, Chicago, IL          | 1400 WDUJ, Green Bay, WI      |
| 840 WMAJ, Louisville, KY   | 1420 WCO, Davenport, IA       |
| 870 WML, New Orleans, LA   | 1440 WNEF, Green Bay, WI      |
| 890 WLS, Chicago, IL       | 1460 GGOY, Guilph, CA         |
| 900 CHML, Hamilton, ON     | 1470 WBYV, West Bend, WI      |
| 960 WBSI, South Bend, IN   | 1480 WNBC, Canton, ON         |
| 980 WCUB, Two Rivers, WI   | 1500 KSTP, St. Paul, MN       |
| 1020 KDKA, Pittsburgh, PA  | 1510 WLAC, Nashville, TN      |
| 1030 WBE, Boston, MA       | WAUK, Waukesha, WI            |
| 1040 WHO, Des Moines, IA   | 1540 KXEL, Waterloo, IA       |
| 1050 CHUM, Toronto, ON     | 1560 WJAR, New York, NY       |
| 1060 KYW, Philadelphia, PA | 1570 CFCW, Orillia, ON        |
| 1080 WTIC, Hartford, CT    | 1590 WATN, Two Rivers, WI     |

Well, ladies and germs, this year of 1983 has come to a close. Terry Klasek (your original editor) and I (your current editor) would like to thank you all for your support this year. I hope this tide of support will continue next year. Your editor would like to thank Terry Klasek for the idea of this column and Mike Knitter for approving of the idea. I would like to thank myself for saving this column when Klasek gave up. See you in 1984! Until then, have a Happy Holiday season.



P.O. BOX 448  
SENATORIA, MISSISSIPPI 38660

Best of 1983 and 73's,  
Eric Bueneman  
Eric Bueneman-KUX@DL/WLB SMO



Your bids go to the Address at the right and NOT to NRC HQ. Orders for direct sale items and for All bids should be sent to:  
MAKE YOUR CHECKS & MONEY ORDERS OUT TO "HAP"

SAM BARTO  
47 PROSPECT PLACE  
BRISTOL, CT 06010

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**HAP DIRECT SALE ITEMS:** The following stickers/decals are \$.25 each or any five for \$1.00:  
Radio Monte Carlo, Radio 210 WEMP, Disco-99, European Music, Radio WBA, Amateur Radio, KPLI, WXQR, Radio Reporter, WJNG, WBIV, Radio Teen, Radio Canada International, Radio France International (red) (blue) (large) (circular), Radio Vatican (small) (square) (semi-cir.), Radio Sweden International (large) (circular), WGBW, KCFM, ANARC, CKCB, CFTI, Radio Moscow, Radio Berlin International, Radio Nacional de Espana (soccer) (circular), WDR Radio (rock) (small), Radio 270, WQHR, KFOG, 55-Country, WNET, 6WF, Radio Derby, Rete Quattro, KBAN, Polekie Radio (green) (blue) (gray) (orange), Radio Budapest, HDXC, ORF, 6KY, 128, Metro Radio, WGLB, KROJ, KPM, WQMF, KOMA, KKDK, WCFI, KTRQ, WEZZ, WLES, WEEI, WZZO, KRQY, HLLP, KLOS, KLQL, WINS, WDET, WPLI and ESPN..... The following stickers/decals are available for \$.50 each: WERE, Deutsche Welle (green) (blue) (red), 2CH, BBC Radio One, Radio Peking (black) (blue) (green), Radio El Mundo, Radio Nederland (circular) (square), RTTS, EGRX, BRT, 6NK, ANARC (large), Radio Vatican sticker-pennant, WDR-TV, RTE Radio 2, Radio Rumbo, CKCR, Radio London-266, Radio Avon, TYB, Radio Rhema, GDXC, Radio Waikato, Canales TV, Radio City-299, and Radio Carolina (white) (black).

**HAP BID ITEMS:** ITEM #169: Netherlands World Broadcasting a feature publication by R.D. Nal-lach 110 pages on the history of radio in Holland with dozens of rare photographs #169: KHLO (Hawaii) sticker (3x9") m/c. #170: Peter Flowers Radio (Italy) sticker (2x20") green, white. #171: WBDI Hot Air Balloon sticker, m/c-sharp. #172: Voice of Asia (Taiwan) circular pin, m/c!!! #173: WYFE sticker (4x6") yellow, B&W. #174: WBDI sticker (3x10") red, white, blue. #175: Radio Monte Kanaga (Italy) sticker (4.5"x3") m/c. #176: WCOZ sticker (5x7") m/c-beauty. #177: Radio Golfo Liguro (Italy) plastic sticker (3x4") blue, white. #178: Gamma Radio (Italy) sticker (3x5.5") m/c. #179: WHIT sticker (4x6") m/c-beautiful. #180: Radio Clyde (Scotland) sticker (2.5x22") red, white. #181: Radio Luxembourg sticker (4"x1") red, white. #182: Radio Norway cloth flag-pennant (2x3") red, white, blue. #183: BBC Radio 2 (UK) paper banner (2x11") yellow, B&W. #184: BBC-5E sticker (1.5x11") red, white, blue. #185: Radio Tiroi-Wunderwoll (FRG) "Dog" sticker (2.5x4") red, B&W. #186: Radio Tiroi "Eagle" sticker (4x4") red, B&W. #187: Radio 3 Stuttgart (FRG) sticker (4.5"x3") m/c-nice. #188: SWF-Radio Landestudio (FRG) sticker (4x5.5") m/c. #189: Radio Stuttgart (FRG) "Horse" sticker (4"x1") m/c-beauty. #190: RDR Radio (FRG) "Walrus" sticker (5.5"x1") m/c-super!!! #191: H33 Radio (FRG) sticker (3x4.5") m/c. #192: DLF Radio (FRG) sticker (4x6") m/c-nice. #193: Kurpfalz Radio (FRG) sticker (5"x1") m/c-beauty. #194: Bayerischer Rundfunk Radio (FRG) sticker (6"x1") blue, B&W. #195: BRG Radio (FRG) sticker (3.5x5.5") m/c. #196: Radio Bayern (FRG) decal (4x6") blue, white. #197: Saar Radio One (FRG) sticker (4"x1") m/c-beauty. #198: Ulmer-Santragrad (FRG) sticker (4.5"x1") m/c-very nice item. #199: HCB-FM for Quito/Emeraldas sticker (3x8") B&W-sharp. #200: Radio City One (Italy) sticker (3.5"x1") red, B&W. #201: Radio Mediterraneo (Malta) sticker (4"x1") m/c-nice. #202: Voice of Tomorrow (US Pirate) QSL card (3x5")-rare. #203: Radio Nederland plastic coaster (3x4.5") red, white, blue. #204: Radio Nederland plastic puzzle game (same as RFI) (3x3") red, white, blue. #205: Radio Nederland plastic/paper address book (2.5x3") red, gold-nice. #206: Radio Nederland large cloth carrying bag w/ Logo, red, white, blue-very, very nice. #207: Radio Polonia new double sided, plastic enclosed cloth pennant with frill (1") (5.5x9") red, B&W-beautiful. #208: Radio Nederland cloth pennant (4x6") red, white, blue. #209: Radio Polonia stick pin, red, white, silver. #210: Radio Nederland new lapel pin, red, silver, blue-beautiful. #211: Radio Nederland B&W money pouch. #212: BRVC (Honduras) cloth pennant (6x10") blue, B&W. #213: RAE (Argentina) paper pennant (4x8") blue, white, orange. #214: RBC (Papua) paper pennant (3x6") yellow, brown. #215: Radio Veritas (Philippines) cloth pennant (3x5.5") blue, white. #216: Marm Radio (Isle of Man) sticker (3.5x3.5") m/c. #217: Radio Freedom (New Zealand) sticker (3x6") red, white. #218: RRI (DDR) cloth pennant "Logo" (5x8") m/c. #219: RRI cloth pennant "Bear" (6x9.5") nice. #220: Radio Nacional de Espana cloth pennant (4.5x8") m/c-nice. #221: Radio Veritas cloth pennant (4x7.5") blue, white, yellow. #222: Radio Veritas cloth pennant (4x7.5") yellow, B&W. #223: HCB paper pennant (4x9") yellow, black. #224: LHC (Italy) sticker (3x5") purple, white-nice. #225: Radio West (UK) pen, red, white, blue. #226: Radio Japan 3 different QSL cards (4x6") m/c. #227: CFOX sticker (4.5"x1") m/c-beauty. #228: KNUI (Hawaii) sticker (3x7.5") red, white. #229: WYNE "Rock n Roll Pirates" sticker (3.5x9") m/c. #230: WDAI "Tampa Bay Bucs" sticker (3x9.5") m/c. #231: Radio Mexico sticker (3.5x4.5") m/c. #232: Radio Libertaire (France) sticker (3.5x4") B&W. #233: Radio Nottingham (UK) decal (3x7") m/c. #234: Italia-TV sticker (3.5x4") m/c. #235: Radio Sweden poster (11.5x17") m/c-very nice. #236: Red Rose Radio (UK) decal (5x5") m/c. #237: KAOI (Hawaii) sticker (3.5x7") blue, B&W. #238: WYMI (Virgin Island) sticker (3x5") blue, white-rare. #239: AGG (Australia) "Bear Safety" sticker (7"x1") m/c-beautiful!!! #240: Radio Nacional do Brasil sticker (4x4") m/c. #241: VOA sticker (3"x1") red, white, blue. #242: Radio Perth (Scotland) decal (5x6") orange, B&W. #243: DLF Radio (FRG) sticker (5x5.5") m/c. #244: Radio Koper-Capodistria (Yugoslavia) sticker (2.5x3") m/c-nice. #245: Europe #1 (FRG) sticker (2.5x7.5") m/c. #246: Radio Cayman (Cayman Islands) sticker (3.5x12") orange, B&W-rare. #247: Radio 210 (UK) pencil, red, gold. #248: Radio 210 metal badge (1.5"x1") red, B&W. #249: Radio 210 decal (4.5"x1") red, B&W. #250: Radio Korea double-sided pennant (4x8") m/c-very nice!

**ADDRESS:** Please send your bids and purchases for direct sale items to: Sam Barto, 47 Prospect Place, Bristol, CT, 06010 USA. Minimum order of \$3.00 - if you can. Thank you...Sam.  
**ADDITIONAL DIRECT SALE ITEMS:** These are available at the quoted prices: WLPX, WMMR and WNET metal badges at \$.25 each; mini-posters at \$.25 each from Radio London, Radio Word, Radio West, Radio Duomo (cat) (woman), Voice of Syncon, Radio Carolina and Radio Pili Rose; RRI book-marks at \$.25 each; WMMR book cover at \$.25 each; metal "Antenna" badge at \$.25 each; while they last RCI plastic pennants at \$1.50 each; WME Large litter bags at \$.50 each; RCI QSL cards (Council) (Broadcasting Year) at \$.25 each; RCI DJ photos at \$.50 each; and Radio Peking book markers at \$.25 each....Have a great 1984!!!!...Sam.