

# dx news

*the magazine of the National Radio Club*



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"Since I joined NRC, my ears  
have grown 2" each, I've gained  
28 stations, and AN'ers aren't  
kicking static in my face any  
more." (Bill Andres, NY)

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## ON THE INSIDE.....

- Info on the forthcoming YAD Get-Together - Wes & Jerry
- More on the SB-620 Spectrum Analyser - Russ Edmunds & Bob Foxworth
- Another Domestic Log Updater - Ron Musco
- NEBE - A Super Signal Snatcher (The Nebraska Beverage) - Dave Fischer
- Territory-Geometrical ECB DX - Dave Fischer

## NEW MEMBERS

- \* Michael G. Knitter, 275 Lee Dr., Ellsworth AFB, S.D. 57706
- \* David McCourt, RD #2, Williamsport, PA 17701
- \* Andrew Coffey, 264 Simpkins Ct., Mechanicsville, VA 23111
- \* John D. Harris, 1019 Everett Ave., Apt. 2, Louisville, KY 40204
- \* Dr. M. Richard Dickter, 2313 76th Ave., Philadelphia, PA 19150

## RENEWALS

H. Blocher, M. Regnall, T. Williamson, R. Arruda, T. B. Neese, C. Lord, A. Retzlaff.

## FLASH TIPS & SUCHLIKE

1/13: WITY-980 was indeed on, as hrd by Hansch, who also heard WCSI, WILL, WHA, WIVS. We neglected to mention the latter last week, so : WIVS-850 was hrd by Hansch, Starr, Boyd. Not hrd by Imprescia, RJE, Shaftan due to severely FMing local pirate. More info later. Per Gene Vonderembse, WISN-1130 wasn't on due to a misunderstanding of time/date. Is resked for MM 3/17. Also per Gene, WIMS-1420, which didn't show on 1/6 was a similar problem. Also resked for MM 3/17.

1/20: WMBG-740 didn't show. Repeatedly monitored 0000-0300. (RJE, RJM, Foxy) WFAR-1470 very weak, probably not on NDA as promised. (RJE, PT, RJM, Foxy). WINE-940 on 0200-0235, w/PT hrd by RJE, RJM, PT, RKS, Foxy. KSWM-940 not hrd by all of the same plus TRS & C.R. Weinstein of Golden City, MO, abt. 50 miles from KSWM. TRS also hrd WINE. KBEW-1560 booming in w/ rr, c&w, IDs (RJE, PT, RKS, Foxy, RJM, TRS, CRW). KMIN-980 not hrd by the same group except CRW. KPCC-1420 not hrd by RJE, PT, RKS, RJM, Foxy. Hrd weak w/ 2 code IDs and 1 partial voice ID ard 0335-40 by TRS. 1/18: KWMT-540 hrd by TRS, RKS, Foxy.

Other: CHTN-1190 was hrd well atop channel 1/20 by RJE, PT, RJM, Foxy. TRS had all Cordillera. CHTN has been running 1000 NDA until their RCA 10kw XR arrives, at which time they will go DA, and probably not be hrd at all in the US. Is AN, apparently AN-7; Address is Box 1190, North River Road, Charlottetown, PEI. They expect the new XR within 2 weeks. KBEW-1560 also hrd by Kurt Nelson in PA.

## NOTES &c FROM NJPC

Jim Pogue, 11 University St., Apt. 2, W. Lafayette, IN 47906 needs info on history of Philippine broadcasting prior to their 1946 independence. Anyone with such info or a reference, please let Jim know.

Next issue should contain the new 1975 reprint list, which has been significantly updated. The subsequent list to next week's will find even more changes, as two more articles will go into the Beginners' Guide.... plus we should have the Receiver Book to pull a few more articles from reprints. We're hoping, by the way, that the latter will be ready around 3/1.....

C. P. C. TEST SCHEDULE

international dx digest

editor.. Alan Merriman  
P. O. Box 6  
Fairfax, Va. 22030

Table with columns for Day, Date, Time, Call Sign, Frequency, and Location. Includes entries for MONDAY JAN 27, MONDAY FEB 03, SUNDAY MONDAY 09, MONDAY 10, MONDAY 17, MONDAY 24, WEDNESDAY 26, MONDAY MAR 03, MONDAY 17, MONDAY 24, MONDAY MAY 05, and MONDAY MAR 17.

DETAILS:

- WJRI - This is their r/c, which will be dedicated to NRC this month. Orig. sked. for Nov., but notified too late. May also be a PoP nite. No v/s. Box 349, 28645. Arr. Brian Pitman & Ernie Cooper, NRC.
- WLX - Code IDs every 10 mins. and on the hour. Also 1 kHz. TT. V/s: Joe Rohrer, P.O. Box 821, 54601. Arr. Victor Loberger, NNRC.
- WECK - Mx & voice IDs. V/s: John Kostenko, CE; P.O. Box 416, 12601. Arr. Kenneth Van Tassell, NNRC.
- WMBS - No program details. V/s: Wm. J. Hensly, CE; 82 W. Fayette St., 15401. Arr. Gene Vonderembse, NNRC.
- WLKB - No program details. V/s: Jerry Cerny, 711 No. 1st St., 60115. Arr. Skip Dabelstein, NRC.
- KLAD - 1 kHz. TT after every 3rd record. V/s: Matthew Penkauskas, CE; Box 960, 97601. Arr. Skip Dabelstein, NRC.



\* Phone 703-354-2135 Before 2200 EST \* All Times Are GMT \* Deadlines Are Friday \*

A very abbreviated column this time as very few of you bothered to report. No DX here for the past week, and condx must be very poor if you consider the material I have on hand. Here is what I have.

- 645 -PARAGUAY ZP19, Coronel Oviedo, Radio Caaguazu getting to be quite regular, noted in passing 1/13 0856 w/local ad, 0858 closing a program. (Hauser) \* In w/romantic mx 0715-0730 12/29 w/R. Caaguazu ID at 0730. (Falconer)
  - 730 -COLOMBIA HJCU, Bogota, Radio Melodia fair w/ID at 0758 on 12/29 and into mx program. No sign of XEX. (Falconer)
  - 860 -BRAZIL ZYD68, Rio, Radio Mundial tentative w/mention of Brasil then US pop mx, 0710 12/29. Brazil was strong on 1180 at same time. (Falconer)
  - 1100 -BRAZIL PRG9, Sao Paulo, Radio Nacional, must be the source of the definite PP that surged above the Relojos several times 1/13; 0817, 0823, 0829, 0833; somewhat pompous talk, like a sermon; VOA-6125 prevented checking //. (Hauser)
  - 1100 COLOMBIA HJAT, Barranquilla; HJCN, Bogota. The Radio Reloj playing an oscillation w/each TC, noted 1/13 0842 w/TC as 18:4, seems to be Barranquilla, per a local ad that followed. The other Reloj was in too, devoid of such trills.
  - 1170 -COLOMBIA La Voz Heroica, Cartagena, ID at 1700 1/10; in and out w/ (Hauser) WVA and unid stn. (Clark) Randolph, that time has to be wrong, did you mean 0700? (ED)
  - 1180 -COLOMBIA HJOV, Neiva, Emisora Cultural Surcolombiana logged from 1106 to 1128 on 1/13 at which time VOA Marathon s/on and covered it completely. (Wilkinson)
  - 1233 -CUBA The unid Cuban reported last 12/23 apparently has moved, not noted in check on 1/13, 0400-0430. (Sundstrom)
  - 1376 -FRANCE Lille weak 0625 1/6 w/talk program, hosted by female ancr in FF. (Falconer)
  - 1430 -COLOMBIA (Harmonic) (Cf my unid on 12/9) On 2860 khz, 1/13 1048 LA mx; 1049 ads, EST TC on Todelar; het on lo side, so this probably slightly hi in freq; SINPO 23333. At 1053 mentioned Riosucio, Caldas w/6:6 TC. Tnx to RFS for tipping me that Ecos del Ingruma was showing here. Not to be confused w/other Colombians which have appeared on 2860; most recently, new stn Emisoras Brisas; also R. Magdalena and R. Venus. I never heard any of them on fundamentals.
  - 1439 -LUXEMBOURG Marnach probably the one causing havoc on 1440 domes- (Hauser) tics. Mostly het but some GG sounding audio made it thru 0615, 1/6. (Falconer)
  - 1475 -HAITI (Tentative) Port-au-Prince suspected to be the stn taped here from 2236-2300 1/6. Sig poor/fair throughout period. Man in FF (?) speaking continuously to 2257. Tuned out at 2300 to tape "East is Red" IS of Urunchi 1525. when I came back at 2300, nothing hrd; either s/off of abrupt fade. (Eckman)
  - MALAYSIA SABAH (Very tentative) On 1/13 a good carrier noted 1155, held to 1230 or so; fading pattern was atypical of LA, but couldn't pull audio. (Hauser)
  - 1485 -UNID Any clue to the SS stn on 1485? Heard w/S3-4 sigs at 1043 on 1/13. (Wilkinson) Change that SS to Spanish speaking. (ED)
  - 1502 -POLAND/SPAIN Warsaw, 1/6, talking 0610-0630 w/two unids, one in SS w/flamenco sounding mx and another running 1 khz TT viewable on SB-620 (definitely not from 1500). This Efer probably also a low powered Spainiard, but how do you know who in the graveyard here? (Sundstrom)
  - 1525 -CHINA Urunchi, Radio Peking heard at various times from 2212-2340 1/6. At 2300 "East is Red" IS heard. 2330, modern CC mx heard till tune out at 2340. Sig fair/good, bothered slightly by WCKY sloop throughout. (Eckman)
  - 1529 -VATICAN (Tentative) 1/6, w/all talking audible whenever splash from WKW-1520 and WPTR-1540 died down, heard 0620-0630. No IDs hrd, but who else could punch through sloop up here? (Sundstrom)
  - 1562 -SWITZERLAND SBC, Beromunster 1/6, w/time pips atop hour, seemed to be news 0600-0605, fair sig but significantly weaker and less stable than Nice-1554 and NDR-1586 which were quite good. First time this season. (Sundstrom) \* 0650, 1/2, fair w/cl mx and GG anmts between selections. (Falconer)
  - 1578 -ITALY RAI surely the one w/soft mx and anmts by man and woman in II. Fair sigs at times 0645 1/2. (Falconer)
- Thats it for the loggings. A few veries, credits, etc. on next page. 132

A few veries . . .

- 740 -SOUTH KOREA HLCG, Taegu, for reception report of 11/25/74. Card and letter verie received. (Wilkinson)
- 1016 -TURKEY Istanbul, QSL card and program sked received in 2 months for 2 IRCs. Address for reports is Turkiye'nin Sesi Radyosu, TRT, Mithatpasa Cad, No 37, Ankara. V/q was not signed. (Burns)
- 1170 -SOUTH KOREA HLCS, Sogcho, for reception report of 11/25/74. Long detailed letter and card verie from Mr. Kim Il Young, Chief Engineer of Korean Broadcasting System. (Wilkinson)

The reporters for this issue . . .

- Dave BURNS - Poquoson, Virginia Drake SW-4A, Drake loop, DW
- Randolph CLARK - Chicago, Illinois Hitachi KH-912
- Richard BEKMAN - Philadelphia, Pennsylvania BC946/BC453, Sanserino loop
- Jeff FALCONER - Clinton, Ontario Kenwood 9R-59DS, SM-2
- Terry GREENHILL - Hertford, England
- Glenn HAUSER - Enid, Oklahoma HQ-160, SM-2, 2 lw's
- Tom SUNDSTROM - Willingboro, New Jersey HQ-150 w/SB-620, SM-2; SPR-4, 2 lw's
- Mark WILKINSON - Santa Rosa, California HQ-180, Sanserino loop

GREAT ~~REPORT~~ From Terry Greenhill comes some more info about the IEA stations. Refer to list in 11/11/74 DXN.

1. Radio Forth in Edinburg on 1546 khz is due on the air 1/75, not 11/74.
- 2; All powers shown are Effective Radiated Power, not actual transmitted power.
3. I forgot to mention that when LBC and Capital move to their new frequencies the antennas will be DA. The new powers of 25 kw for LBC and 100 kw for Capital are also ERP; actual transmitted power is 8 and 25 kw respectively.

Listed below are the next batch due in 1975/6. Note that some of these may have to drop out if they cannot find a suitable antenna site. Location's without a named station means that the contract has not been awarded yet. The list is in area alphabetical order, not the order they are due on.

AREA	STATION	AH FREQ	POWER
Belfast, N.I.	-	1025 khz	-
Bradford	-	1277 khz	-
Ipswich	-	1169 khz	-
Nottingham	Radio Trent	998 khz	250 watts
Plymouth	Plymouth Sound	1151 khz	-
Portsmouth	-	1169 khz	-
Reading	-	1430 khz	-
Teeside	Sound Broadcasting	1169 khz	300 watts
Wolverhampton	-	989 khz	-

Many thanks to Terry, who says he will keep us informed of further developments. (E)

From Bob Foxworth - "I heard some hams on 160 meters mention that a VK6 (Western Australia) was heard on the East Coast in the afternoon here, recently ... that's on 1800 khz which makes you wonder if a station like 6WF might make it up here at their s/on?? The path goes over the Indian Ocean and up the Atlantic between Africa and South America. Interesting." I suspect that this is a possible path for DU reception on the EC, if condx were just right, and you could get by the interference on the frequency. It would be interesting to know if there are any legitimate reports of receptions along this path reported in the old Radio Magazines and club bulletins of the 30's and 40's.

That's everything on hand. Are condx that bad, or everyone too lazy to report? We need your support to make IDXD a useful column. 73 - DX - SUPPORT IDXD !!! 105

# DOMESTIC X DIGEST



editor.. Wes Boyd  
 960 W. Liberty  
 Girard, Ohio 44420  
 Boyd 216 545 4543  
 Starr 216 534 1394

Seems the big news is CHTN 1190 Charlottetown, PEI. Noted by myself and Frank Dailey in CT about the same time last MM (1/13) However Stan Morss writes to inform us it's AN-7...Most likely this will become a PEST before spring rolls around. More in after midnight section... changes

Minor changes anymore gang, major ones go to Musco. I'll only list call changes, sked changes noted by membership, and FCC fines in the future.

1150 KBER TX seeks call KQAM  
 1380 WGHT NY seeks call WVIN  
 1500 \*CP\* OH Youngstown, now seeks WGFT  
 FINES::

**RADIO STATION WTNT**  
 P. O. BOX 1047  
 TALLAHASSEE, FLORIDA 32302

- 970 KBIS CA Fined \$1,000 for operation with excess power, and another fine of \$2000 for failure to keep frequency within limits.
- 1260 KTEE ID Fined \$250 for to keep operating power within licensed limits.
- 1280 KDKD MO Fined \$2000 for commencing operation at full power during pre-sunrise hours.

- CHANGES NOTED BY MEMBERSHIP::
- 850 WHDH MA net is now Ae (GFj)
  - 860 CBH NS sked: 0500-0012 (SHAFT)
  - 1000 CKBW NS sked: 0500-2300 (SHAFT)
  - 1340 WNBH MA is now NSP (RA)
  - 1420 WBSM MA SP is SUNDAYS (RA)

If interested dept:  
 1570 WOBL OH was off most of 1/9 as power main breakers got rain in them during heavy rains there (STARR)  
 \*\*\*\* CBC ?? Entire net to use new logo soon-Short instrumental with two flutes before "CBC Radio" voice ID (GFj)



PO BOX 752 JOPLIN, MISSOURI 64801

More changes from Joe Fela.....  
 Delete the following checks listed 1st MM:  
 0300-0315 KDBM 1490 MT 0315-0330 KYSS 930 MT  
 0315-0330 KGRL 940 OR 0345-0400 KYLT 1340 MT

ADDITIONS:  
 1st. MM: 0300-0315 KMCL 1240 ID T  
 1st. THU: 0100-0115 WPCF 1430 FL t (EX: 2nd. THU)  
 0145-0200 WARI 1480 AL t  
 0315-0330 WBIP 1400 MS t  
 0330-0345 WKOR 980 MS t  
 4th. THU: 0315-0330 WAOC 1420 FL t  
 0330-0345 WFSH 1340 FL t  
 0345-0400 WETB 790 TN t

NOW TO THOSE HEARD BY REPORTERS::

1st. WED: WGRA 790, KJSK 900, WMFC 1360 (RJE)  
 4th. MM: WCVS 1450, KLEO 1480 (WM)

JANUARY::

1st. MM: WKOY 1240 (RJE) WEED 1390 w/ TT (WM & DS) KNOX 1310 w/ TT (DS)  
 WCNC 1240 TT & IDs e/ 30 sec. (RJE & KGS) WNBY 1450 TT, ID at end (RJE)  
 WBRN 1460 (KGS)

1st. WED: WMFC 1360 w/ TT (WM)  
 1st. THU: WZYX 1440 w/ mx, WLSI 900 w/ TT, WVKY 1270 w/ TT, WTKY 1370 w/ TT  
 1st. FRI: WHBG 1360 w/ TT, WWBZ 1360 w/ TT, KPVS 960 w/ TT (WM) WGOK 900 & WWGS 1430 (JF)

1st. SAT: WDOC 1310 w/ TT (WM) WMOV 1360 (WM & RJE & JF) WEZJ 1440 (RJE) WDOC also hrd. by RJE, WPRT 960 (RJE) WSHN 1550, WIRW 1550 (RA)

1st. SUN: WANY 1390, WAIN 1270 (RJE) - ~~These Not hrd.~~

**Krik-1240**  
*Transicker* 21217  
*DEBOR*  
*Radio Duplicado*



**wkap** No. 1 RADIO  
 1320 KC 5000 W  
 WHITEHALL PA. 18032

2nd. MM:: KFGO 790 w/ TT (HWB & RJE) WELI 960, WATS 960 (RJE)  
2nd. TU:: WHLN 1410 w/ TT (JS) (WM)  
2nd. WED: WHUB 1400 w/ TT, KTYN 1430, WATM 1570 w/ march mx, WMOX 1010 w/ t.  
NOT HEARD::  
2nd. MM:: WGMF 1500, WLSV 790, WGOX 1400, WAGN 1340 (RJE)  
2nd. MM:: TENTATIVE:: WCAZ 990 (RJE)

**WQQQ 690**  
Framingham, Mass.

sunset & evening

560 WJLS WV 1/2 Noted thru WFIL 1727-30 w/ C&W, gone at pattern switch (DS)  
580 WTAG MA 1/2 Atop WHP w/ RR 1628-44, rare here at SSS, good AN (DS)  
590 WVLC KY 1/2 W/ "Eye in the Sky" traffic report 1731 (DS)  
600 WPDQ FL 1/7 Atop w/ sports 1731, Cuba not in yet (Fela) (DS)  
CFCH ON 1/2 Noted 1653-59 w/ MOR/RR, promo "Sound of 70's" weekend, /  
680 WRNG GA 1/4 Atop occasionally 1719-41 w/ sports talk show-call in (JAC)  
KKYX TX 1/4 Good on day DA w/ C&W 1752-1805 (JAC)  
CJOB MB 1/4 Could pick pieces in KKYX null w/ conservative mx, nx 1800  
after time tone, pattern switch 1803 1/2 (JAC)  
710 KVKM PQ 1/2 Noted wiping out WOR 1703 w/ FF, +40 o/ S-9 sig. (BS)  
740 CBNM NF 1/11 Good u/ CBL 2800 natl. nx, 2202 1/2 new CBC logo, then ID  
for CBNM CBN CBT CBY CBG, 2203 into ANTHOLOGY (GFJ)  
780 WCKB NC 1/3 Good 1720 in WBBM null w/ many Ads & W-C-K-B IDs to s/off  
1729, Ments, location south of town & 103.1 FM (RM)  
800 WSHO LA 1/9 Strong 1814 w/ S/off--no SSB (DS)  
WSVS VA 1/3 Local nx 1704 by local reality outfit, S/off 1714 ment,  
"Melody Lane, better known as Hwy ???" (RM)  
860 KOAM KS 1/9 This 1735-44+ w/ Ads for Miami, Oklah. (JS)  
WEVA VA 1/5 In nx, female anncr. 1708-15, then s/off - no SSB (RM)  
870 WGTN NC 1/1 Also 1/4-S/off 1725 1/2 then Perry Como's LORD'S Prayer (JAC)  
WFLO VA 1/2 Surfaced 1652 for movie ad, bits of s/off 1714 (JAC)  
WHCU NY 1/1 And 1/2-Lengthy nx 1730-50 w/ female anncr., sx 1750, but  
WVL null closed & no 1800 s/off hrd. (JAC)  
880 KRNV NE 1/15 O/ WCBS 1830 ending state wx, then annct. saying had to  
go DA at night. Been running same annct. for some time, sure wish  
it had a "tapable" ID in it...ATTN: GHOTI !!! (HWB) 12/28 Ad for  
shoe store in Cozad, then pattern switch 1805-1814 (RL)  
890 WHNC NC 1/1 Good thru WLS 1714 s/off, nasal-high pitched anncr (JAC)  
900 WKVY TN 1/12 S/off 1745 in jumble following relig. mx (DS)  
KALT TX 12/21 W/ nx, & "Have a Happy Day" jx. 1815+ (WM)  
WEAS GA 1/9 W/ 6 Ads in a row, then R&B 1729-35+, many ments. of SC  
locations (JS) 1/11 Dominating 1737-43 w/ R&B and s/off (ELK)  
910 WORD SC 1/9 In WBSA null 1657 w/ RR, rare (DS) Not in here!-HWB  
920 WBBE NC 1/9 Briefly noted 1705 w/ RR, w/ WTTM (DS)  
930 UNID ?? 1/3 From 1745 (when WJAX went DA & cleared freq.) to 1752 w/  
folksy C&W & (small town?) anncr. trying to sell his own lots, etc.  
WMCB perhaps--Lost 1752 to SS, R. Antilles?? (Fela)  
950 WRYT MA 1/8 Atop semi-local WHVW 1628 w/ s/off & SSB (RJE) (RJE)  
WXGI VA 1/8 W/ ID at start of nx, maybe in middle, 1658-briefly o/WLOF/  
KXJK AR 1/9 Strong 1808-14 w/ wx, cattle sale ad, relig. thing & s/off  
w/ SSB (DS) 1/7 From 1755-1805+ w/ MOR, nx 1800. Lotsa IDs, general-  
ly o/ WLOF & Cuba's classical mx-was lookin' for WBKH (Fela) 1/8  
S/off o/u WLOF 1813, SSB to 1815 (RJE)  
WBKH MS 1/8 Weak 1815 w/ s/off in WLOF fade after KXJK SSB (RJE)  
WSPA SC 1/9 Atop w/ RR to 1700 nx w/ ID & TC (RJE) 1/7 Briefly o/all  
1744 w/ ID (Fela) 1/12 ID 1730 twixt CBS stuff, said 24hrs, they  
AN-6 now? (DS) Have been for couple months-HWB  
WPET NC 1/9 Local wx & C&W mx, no ID 1701 u/ WSPA (RJE)  
UNID ?? 1/7 Some joker 2300-2302 1/2 w/ 1K TT, looped west! (RJE)  
WGTA GA 1/12 U/ WIBX/WLOF w/ relig., S/off 1800-no SSB (RJE) 1/12 W/ C&W  
gospel 1755-59, long wx, then s/off (DS)  
WGOV GA 1/8 In/out w/ WLOF 1732-1800+, best ID 1758 before nx (RJE)  
1/12 W/ Soul 1800-02, long wx, then MB net late, gone at late  
pattern switch (DS)  
KLIK MO 1/12 After KXJK s/off 1813-1815 w/ nx promos & s/off. No ID  
but suspect this as only other thing in 1815 s/off zone (DS)  
960 WRFC GA 1/10 Annct. as 5Kw 2051-2113 w/ emerg. wx stuff. Mich WELI  
HJHN popped in 2100 also clobbering freq. (RM)  
WSBT IN 1/6 Spotty u/ CHNS 2051 nx, CST TC, ID, more nx (GFJ)

1030 KTCA TX 1/15 Relig. 1840, ID 1844 1/2, more relig. to 1800s/off-no SSB (HWB)  
1060 KHYM TX 1/5 S/off 1828-"K-Hymn"-then SSB (JAC)  
1070 WHYZ SC 1/4 W/ RR 1733, Ads & jx to 1744 s/off w/ "We are sorry, but at  
this time WHYZ must leave the air due to FCC rules for daytime  
stations..." Ment. 50Kw & located Hwy 250 in Greenville (RM) 1/6  
Hrd. at 1744 s/off, took a long time to get [unclear] (Fela)  
\* WANM FL 1/5 S/off 1759 1/2 o/ couple guitar notes (JAC) Aha--is ON!-HWB  
NC 1/4 Hrd. w/ many IDs & driving tips from NC Hwy Patrol, gone  
at 1715 pattern switch (RM)  
WCIR WV 1/4 W/ RR 1729, & start of s/off. Studios & offices 119 1/2 Main  
street.-FM 103.7, no SSB (RM) I know, PD Ron Leader told me of the  
report you sent, & I told them not to verify!!--HWB (JS)  
KFDI KS 1/9 Atop 1800 w/ long wx & radar report, AD, nx-1st. time here/  
1080 WKAC AL 1/9 S/off 1759, no SSB (JS) (JAC)  
WJOE FL 1/5 S/off ends 1758, then choral version "God Bless America"/  
1150 CHSJ NB 1/3 Alone 2045 w/ RR, contest, wx, RR, AST TC, ID, RR 2052 (GFJ)  
1190 WAYS AL 1/14 S/off 1758 w/ ISSB (JS)  
WAVS FL 1/14 O/ WOWO w/ instr. EZ mx 1739-43 s/off (JS)  
1210 WKNX MI 1/1 ID then ABC newflash w/ Watergate verdict 1712 (KGS)  
WADE NC 1/1 Complete s/off annct. 1714 (KGS) **krap am/fm**  
1220 KZEE TX 1/5 Good 1843 1/2 w/ s/off-no SSB (JAC)  
KRMC OK 1/5 S/off begins 1844 1/2 "OK's only all nx station"-no SSB (JAC)  
1260 WNRK DE 1/10 Noted w/ C&W--now MOR morns, C&W after 1300 (DS)  
WGWK NC 1/5 W/ "Swinging Years" pgm. 1652-1700 ID, then nx (WM)  
WNXT OH 1/2 W/ EL mx, ad for book of OHIO history 1620-30 then nx (WM)  
1310 WNRJ NJ 1/1 Even w/ mess 1629 s/off, apparent first of month screw-up  
as maps say 1700 zone.-State #37, Best SS catch to east (WM)  
WISE NC 1/1 Strong w/ RR, ID 1701 (WM)  
1390 WEGP ME 1/12 U/ WEOK w/ local restaurant ad 1535 (RJE)  
CHOO ON 1/12 W/ C&W mx, "14-CHOO" IDs 1550 (RJE)  
1440 KVON CA 1/2 MOR mx 2038, many Ads (BLH)  
1510 WWBC FL 12/25 O/ WLAC for few seconds w/ AD for Nie products & ocean  
cruise, Address matched log.-1st. log o/ WLAC here (WM)  
1520 WQMA MS 12/27 This noted 1745-55, then KOMA took over (RL)  
1550 WYOU FL 1/1 "The Good Country on Tampa Bay" w/ C&W 1750-54+ (WM)  
WYNX GA 1/14 S/off 1744-no SSB (JS) **KOUi am**  
WRNC FL 1/1 SS talk, then 2 IDs at 1745 s/off (KGS) P.O. Box 3796  
1560 KQYX MO 1/3 S/off 1830 after nx for J C Penny (RL) DENNISON  
WAGC AL 1/4 S/off 1759 after nx (RL) BERNISON  
1570 WTWB FL 1/8 In AURORA 1758 s/off w/ SSB (RM)  
KBJT AR 1/5 "Showers of Blessings" pgm to 1830 s/off (WM)  
KLLA LA 12/29 S/off 1813, Rebel yells (RL)  
KTAT OK 12/29 Wx nx 1816-20, temp. 61° in Frederick (RL)  
1580 WPGC MD 1/4 Loud s/off 1715-no SSB-Annct. NSP FM (KGS)  
WBBR SC 1/5 Couple clear IDs 1717-23, then Shelbyville took over (KGS)  
WAXU KY 1/14 On top 1730 w/ Mutual mx, wx, C&W 1735 (JS) Ditto (HWB)  
KWED TX 1/5 Loud s/off-FM promo, o/ WCLS 1845. Ment. associated w/  
NAB & TX. Assn. of Bdcstrs (WM)  
1590 WJSO TN 1/4 W/ RR, PULSE #1 rated, IDs for Johnson City/Jonesboro (DS)  
1600 WTYM MA 1/4 MOR 1639-45, ment. "TIME RADIO", gives sponsors in s/off.  
KYAL TX 12/27 S/off 1829, in 1801-29 w/ C&W (KGS) (DS)  
WFRG NC 1/9 RR 1821-35, Cash Call promo, Ae net. Strong, so suspect late  
pattern change (DS) **KDOG 1190 Cheyenne, Wyoming**  
midnight to sunrise  
540 WGTO FL 1/2 Strong 0715 s/on, into nx, then RR-Big 54 IDs (WM)  
550 CHLN PQ 1/4 Fair in WGR null w/ POP mx, 0410 local ad in FF (JF)  
UNID ?? 1/2 From 0412-25, RR format, infrequency "I-55" IDs (BLH)  
\*580 CKPR ON 1/4 S/off 0206, log sez NSP (JF)  
WILL IL 1/13 DX TEST: Nice 0203-16 w/ prog. RR/Jazz & code IDs (ELK)  
Weak w/ ID 0215, seemed to ID every record, code ID too (RJE) Voice &  
Code IDs 0250 (Ross) Ending Code ID 0204, voice ID, mx(dm) Jazz to  
0203 code ID, 0204 voice ID, more mx (HWB) Local like 40 o/ S-9 0230  
w/ mx, Code IDs, almost alone on freq. (JS)  
\* CKWW on 1/13 U/ WILL DX test 0215+ w/RS, log sez SP-MM (JS)  
+590 WJMS MI 1/4 Loud 0135+ w/ pop mx, log sez off 0007 (JF)  
680 UNID ?? 1/13 Loud TT 0130-0300+, no IDs, lookin' for WNYR f/c. Strength  
and DF say WNYR-CPTR-WINR (RJE) KNBR atop here-not CPTR-HWB

710 WQBX VA 1/12 Nabbed w/ ET/OV 0148-0200,mx after 0200,way o/ WOR(ELK)  
 740 KRMG OK 1/6 ET w/ TT 0315-28, ID 0328 & off (DS)KCBS TT/ID 0345-HWB  
 \*850 KOA CO 1/13 S/off 0209 w/ SSB noted during WIVS DX (JS)  
 WHDH MA 1/6 ID & OC ET noted 0200 (RA)  
 WIVS IL 1/13 DX TEST: Severe QRM 0217-30 on test,ment. 50 & 5K hertz TT, but not hrd.,ment. both NRC/IRCA (ELK) Code ID 0203,nuttin' else (dm) Excellent 0203-0220 on w/ TT,IDs,Code IDs,etc(HWB)Good 0200-0215+ w/ TT,Code IDs,voice IDs (JS) ID 0243 on test(Ross)o/u KOA 0210 on test (SM)Loud raucous raspy noise all AM,weak TT and strong RRer who didn't ID-only segued to 0300. From what Starr had I doubt either was WIVS (RJE)  
 860 WGOM IN 1/6 Easy w/ TT/OC 0244-0305 o/ XEMO-IDs tough (ELK)W/TT & OC 0248-58, ID 0258,then RR, ID 0303,more TT/OC/RR to 0330 (RJE) Fair 0250-0318 w/ mx/TT/IDs (RA) Weak 0246 w/ ID,TT noted but not sure it was WGOM's (JF) Strong thru unid OC 0244-53 w/ TT-2 IDs(DS)Was atop w/ TT/MX/IDs 0156-0228 (JAC)  
 KFST TX 1/6 DX TEST: Briefly 0255 thru XEMO w/ station details,wx, Chet Atkins mx (JAC) Not hrd.-too much XEMO/Clarinet (RJE)All XEMO, Clarinet popped back 0328 killing freq.-not hrd. (DS)  
 KOAM KS 1/4 S/ on 0559,then to NBC nx (BLH)  
 WAMO PA 1/6 W/ ET-MX & ID 0215 (RA)1/13 ID 0237,ET/MX/OC (JS)  
 \*\*+ WIVS IL 1/13 Evidently a spur here, High freq. TT 0232,then WIVS code ID,positive copy-not on 840--weird!! (JS)  
 900 WKJK NC 1/5 Noted w/ SSB & s/on 0600,quickly buried (ELK)  
 920 KORK NV 1/4 W/ MOR 0449,many IDs & hotel ads (BLH)  
 940 WESA PA 1/10 Weak 0800-0806 w/ nx,wx,then MOR & gone (DS)  
 WEEO VA 1/8 S/on 0714,nx,local & VA nx net,gone WFNC pattern switch at 1719 (DS)  
 950 WWSW WI 1/7 S/on 0701 noted w/ SSB, then mx (DS)  
 WXLW IN 1/7 Briefly noted 0714 w/ school closings (DS)  
 WXGI VA 1/7 Noted 0727-30 w/ C&W on "The Country Store w/ Pops the Storekeeper". Uses old time jx-very corny. Daytime regular now that WPEN's off (DS)  
 WBBF NY 1/7 W/ RR 0759,"The New Sound of BBF" promos-pest (DS)  
 WKAZ WV 1/7 W/ traffic report 0812,then RR. Freq. sounds same at this hour as it does AN (DS)  
 WHWV NY 1/8 W/ SX,NX,RR 0655-0712,"The Entertainer"-loud (DS)  
 WCTN MD 1/10 Briefly noted 0730 w/ ID after relig. pgm.,then mx (DS)  
 970 WWSW PA 1/14 ET/TT/OC most of AM, listened an hr. thinking it was the sked WESO DX. Never noted off on Tues. AM before(JS)Also(dm) Me too (HWB)  
 WESO MA 1/14 Only WWSW ET,WAVE & Ffer,No sign of test(HWB-dm-JS)  
 WHA WI 1/13 U/ WWSW 0301 w/ March mx (JS)DX test easy here(SM)Local quality on test (Ross)March mx & TT 0336-40 (DS)Miserable copy u/ WWSW,apparent OC too,hrd,march mx,TT,possible code ID & voice IDs 0300-40 (RJE) Presumably the one w/ march mx 0302-07,TT to 0311, more TT 0333-35,more march mx to 0339,then TT again. Severe WWSW so no IDs noted (ELK)Very weak Tfer,march mx u/ WWSW-no IDs noted but was busy chasing CTHN 1190 anyhow-(HWB)  
 980 WITY IL 1/13 Only usual WONE-WRC-CFPL mess,no TT hrd.(HWB)Hrd. ID & TC 0252 on test (Ross)Only WONE-WTRY-CFPL 0200-0300 (RJE) Don't think was on,only WONE-WRC-CFPL here,no TT noted (JS) Not hrd here(ELK)  
 990 WLKW RI 1/5 Noted s/on 0715 thru WIBG,joins FM for Dr. Office mx(DS)  
 1010 WCSI IN 1/13 DX TEST: Noted w/ RR/TT/fair-poor w/ CFRB-WINS off(DS) Surprise-WINS off, Test u/ CFRB 0104+ w/ TT-RR-IDs(RJE)Was S7 in CFRB null (Ross) Good o/u CFRB w/ WINS off (ADD) Way u/ CFRB w/ RR 0105+,also TT & IDs (dm)Good u/ CFRB w/ IDs,jx,RR,TT 0115-40+ (JS) I didn't hear anything u/ CFRB but SSers-RATS (HWB)Limped u/ CFRB 0123-40 w/ TT & RR (ELK)  
 1040 KPBC TX 1/5 S/on 0830 w/ LITE & LIFE PGM,Good to WHO OC 0845 (RL)  
 1130 WISN WI 1/13 DX TEST:No sign of any test here (JS) All WNEW/WCAR,not hrd. on test (ELK) Only WNEW-WCAR,nothing else--(HWB)No way, Ever hear of WNEW (RJE) Don't worry,was NNRC test-(IE: NO SHOW)-HWB  
 +1190 CHTN PEI 1/14 Newie-AN-7,\*\*YUCK!!\*\*Hope you PEI lovers are happy!(SM) Noted 0115-25 w/ schmultz mx-female annrc.-For unknown this didn't register till @ 0255 when came back to 1190 quick like. Noted nx.

1190 Con't:: Nx w/ female annrc 0258-0303 local sx,0304½ wx straight to mx 0305 w/ 3-4 FLOYD CRAMER cuts in a row, short yak giving TC/date etc. Tom Jones-She's a Layd,couple John Denver,etc. More nx 0356 0403 local sx & wx,then couldn't take WHAM splash any longer(HWB) 1/13 On top 0120-0300+ w/ MOR & Instrs.-female annrc.-called- Address: Box 1190, no ZIP for FBI- annrc. is Marylin McPhearson. (FD) Loud w/ mx 0320+, long Jx about Charlottetown,"The Island Sound, You've got a friend-CHTN", long nx 0356-0405,mx was Paul Anka,John Denver,Neil Diamond,etc.(JS) Frank sez full ID is given at :55 before nx which makes it nice & impossible to log-HWB  
 1210 WCAU PA 1/3 W/ teletalk pgm 0429,then nx (BLH)  
 1230 WINF CT 1/14 Noted this AN w/ gospel(SM)  
 1240 WIST NC 1/7 On top at times w/ RR 0050-0100,AD for Chappel Hill(JF)  
 1250 WTMA SC 1/6 Noted strong on ET 0335 w/ RR & jx (DS)  
 \*1290 WCBL KY 1/13 W/ f/c TT per list-NOT HRD. (JS)  
 1310 WEED VA 1/6 ET TT OC ending 0120 w/ 5Kw day DA (RJE)  
 1370 WODD TN 1/16 ET w/ TT 0210-0230,then ID asking for reports or calls, then "Sally G" by McCartney, ID 0238 & off,Killing WSPD (HWB)  
 KEEN CA 1/4 RR 0347,many IDs as "K-Double E-N" (BLH)  
 1390 WEED NC 1/6 ET finally hrd. 0020-28 w/ TT & many IDs (RA)  
 1400 WRDO ME 1/18 AN w/ RR oldies,easy on MMs-too much WLLH others(SM)  
 1420 WHK OH 1/9 Noted OFF 0230-0400+,some OC-TT,etc.-ditto 1/10-12(HWB)  
 WVJS KY 1/9 In/out w/ KTOE-CKPT-WOC-WBSM-etc. w/ AN show,phone cont-ests,etc. (HWB)  
 WIMS MI 1/6 DX TEST: Not hrd. w/ pests CKTL-WBSM,not hrd. by KDF so maybe not on (RJE) Nobody hold it--HWB  
 1440 CFCP BC 12/30 Nx 0358,then s/off-said simulcast w/ CFWB 1400 (BLH)  
 WAJR WV 1/13 DX TEST: Finally hrd. ID after 40 min. of OC-TT 0040,mx and more IDs,Strong o/u CFGO-No WAAB pest (RJE)Strong 0108-25+ w/ MOR/RR,IDs every record-WILM slop (DS)Voice ID 0050,then fairly easy 0138-55.Signal variable on tough freq.-CFGO major culprit, the code IDs sure helped(ELK)Didn't listen-Hrd./taped/veried-HWB  
 1450 WILM DE 1/1 Off 0005-0348, strange hrs. on holidays! (DS)  
 1480 UNID ?? 1/13 Tester w/ 5Khz TT 0230-0330+ o/u WSAR ETs & others. No IDs noted. 5Khz. TT really shows up on SB-620 (RJE)  
 1500 WDEN GA 1/12 ET w/ C&W 0525-30+,Is nite pest for a daytimer(DS)  
 1530 WCKY OH 1/3 W/ EZ mx 0624,one ID 0630,KFBK off(BLH) Nice catch-HWB  
 1550 KKJO MO 1/6 Ending ET TT OC 0157,o/ unid ET OC,guess WNTN (RJE)  
 WOKJ MS 1/6 ET w/ R&B, Loud 0225,unid TT u/ them (RA)see above-HWB  
 \* KQWB ND 1/14 DX TEST: Poor u/ WOKJ 0309 w/ IDs-mx,anncd. as a f/c. but isn't monthly. Isn't on new f/c list (JS) (JS)  
 1560 WVAK IN 1/13 R/c already on 0512, TT to 0529 ID & off-Maybe quarterly?  
 1570 WMLO MA 1/6 DX TEST: Showed 0132 u/ CKLM w/ ID,called-sed had gone to non DA, ID 0135 (RJE) Weak, address given 0204,code ID @ 0200, but not sure WMLO's,too fast for me (JF) Strong OC in CKLM null, o/ XERF but no test hrd. Bits TT 0110-0120 (DS)  
 UNID ?? 1/6 Strong OC-ET-low freq. TT, sometimes o/ CKLM, looped slightly south of west. 0230 t/in & several check backs,no sure ID thru 0315 (RJE)Hey russ, is this the right date?-HWB Yes!-fj  
 WOKC FL 1/6 ID in ET OC 0129 u/ CKLM & o/ WMLO (RJE)  
 1580 KDAY CA 12/30 Poor 0220-0230+ w/ talk pgm.,ID 0230 as "K D A Y Santa Monica--K-DAY" (WM)  
 1590 WHPY NC 1/12 S/on 0600 into Scott Ross show,strong.-Uses the Happy Day bit, Fela needs em.(DS)You're just not a nice person-HWB  
 1600 WWCW WI 1/6 DX TEST: Not hrd,superpest WWRL-but TRS hold it (RJE)  
 WFRN NC 1/13 S/off wiping up freq 0100 w/ "Carolina in da' Morn." (DS)  
 WCGO IL 1/6 This hrd. u/ WWRL while trying for WWCW test. Hrd. 0205-0209,quick ID 0209 & Gonz0..new & IL #14 (RA)Don't you know it's against the rules for guys in MA to hear stuff the guys in OH miss??-HWB  
 WOW, this section fooled me, that would be 4 pages max..now looks like 5½! Please notify STARR (WHOT 1330) if you can make the gathering of fools and specify which weekend is best for you. Maybe you'll meet dAN MYERS, if his mother lets him out! Maybe ELK will hit a tree. Maybe we'll all get busted! Will RJE show up??? His answer:: Depends on which Weekend! -RJE!

## DX STAMP SERVICE



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PREFIX	COUNTRY	PRICE	PREFIX	COUNTRY	PRICE
AP	W. Pakistan	\$ .45	HC	Ecuador	\$ .35
BV	Formosa	.50	HH	Haiti	.35
CE	Chile	.60	HI	Dominican Republic	.35
CN8	Morocco	.50	HK	Colombia	.40
CP	Bolivia	.45	HL-HM	Korea	.55
CR3	Port. Guinea	.45	HP	Panama	.30
CR4	Cape Verde Islands	.50	HR	Honduras	.30
CR5	Principe, Sao Thome	.50	HS	Thailand	.60
CR6	Angola	.50	HZ-7Z	Saudi Arabia	.75
CR7	Mozambique	.50	I	Italy, Sardinia, Sicily	.50
CR8	Port. Timor	.50	JA	Japan	.45
CT1	Portugal	.45	JT	Mongolia	.75
CT2	Azores	.45	JY	Jordan	.60
CT3	Madeira Islands	.45	KZ5	Canal Zone	.25
CX	Uruguay	.50	LA	Norway	.45
DL,DM, etc.	W. Germany, E. Germany	.50	LU	Argentina	.45
DU-DX	Philippines	.45	LX	Luxembourg	.40
EA	Spain	.45	LZ	Bulgaria	.55
EA6	Balearic Islands	.45	MP4B	Bahrein	.60
EA8	Canary Islands	.45	MP4M-O	Muscat, Oman	.60
EA9	Spanish Morocco	.45	MP4Q	Qatar	.60
EA9	Spanish Sahara	.50	OA	Peru	.60
Ei	Republic of Ireland	.40	OD	Lebanon	.60
EL-5L	Liberia	.45	OE	Austria	.45
EP	Iran	.60	OH	Finland, Alan Islands	.45
ET	Ethiopia	.60	ON	Belgium	.45
F	France	.45	OX	Greenland	.45
FC	Corsica	.45	OY	Faroe Islands	.45
FG7	Guadeloupe	.45	OZ	Denmark	.45
FH8	Comoro Islands	.60	PA0	Netherlands	.40
FK8	New Caledonia	.60	PJ	Neth. Antilles	.35
FL8	Afars-Issas (Fr. Somaliland)	.55	PY	Brazil	.45
FM7	Martinique	.45	PZ	Surinam	.35
FO8	Fr. Oceania	.50	SM-K-L	Sweden	.45
FP	St. Pierre-Miquelon Islands	.40	SP-3Z	Poland	.40
FR7	Reunion Island	.55	ST	Sudan	.55
FU-YJ	New Hebrides	.50	SU	Egypt	.55
FY7	Fr. Guiana	.40	SV	Greece	.50
G	England	.35	TA	Turkey	.50
GC	Guernsey Island	.35	TF	Iceland	.45
CC	Jersey Island	.35	TG	Guatemala	.30
GD	Isle of Man	.45	TI	Costa Rica	.35
GI	North Ireland	.35	TJ	Cameroun	.55
GM	Scotland	.35	TL	Central African Rep.	.55
GW	Wales	.35	TN	Congo Rep. (Brazzaville)	.55
HA	Hungary (S. only)	.35	TR	Gabon	.60
HB	Switzerland	.45	TT	Chad Rep.	.55

PREFIX	COUNTRY	PRICE	PREFIX	COUNTRY	PRICE
TU	Ivory Coast	\$ .55	ZD7	St. Helena Island	\$ .50
TY	Dahomey Republic	.55	ZD8	Ascension Island	.50
TZ	Mali Republic	.60	ZD9	Tristan da Cunha	.50
UA-UW	U.S.S.R.	.45	ZF1	Cayman Island	.35
VE	Canada	.15	ZF0	Cook Island	.60
VK	Australia	.55	ZK2	Niue Island	.60
VK9	Papua & Terr. of New Guinea	.55	ZL	New Zealand	.50
VK9, C21	Nauru Island	.55	ZP	Paraguay	.50
VK9	Norfolk Island	.55	ZS1-6	South Africa	.50
VP1	British Honduras	.35	ZS3	South West Africa	.50
VP2A	Antigua, Barbuda	.35	ZS9-A2	Botswana	.65
VP2D	Dominica	.35	3A	Monaco	.50
VP2G	Grenada	.35	3V8	Tunisia	.50
VP2K	St. Kitts, Nevis	.35	3W8	Vietnam	.50
VP2L	St. Lucia	.35	4S7	Ceylon	.50
VP2M	Montserrat	.35	4X4-4Z	Israel	.50
VP2S	St. Vincent	.30	5A	Libya	.50
VP2V	British Virgin Islands	.30	5B-ZC4	Cyprus	.50
VP5	Turks & Caicos Islands	.30	5H3	Tanzania (use 5Z4)	—
VP6	Barbados	.30	5N2	Nigeria	.50
VP7	Bahamas	.30	5R8	Malagasy Rep.	.65
VP8	Falkland Islands	.55	5T	Mauritania	.50
VP9	Bermuda	.30	5U7	Niger Republic	.55
VQ8-3B8	Mauritius	.50	5V7	Togo Republic	.50
VQ9	Seychelles	.55	5X5	Uganda (use 5Z4)	—
VR1	Gilbert & Ellice Islands	.55	5Z4	Kenya	.55
VR2	Fiji	.50	601	Somali Republic	.55
VR4	Solomon Islands	.60	6W8	Senegal Rep.	.55
VR6	Pitcairn Island	.50	6Y5	Jamaica Rep.	.30
VS6	Hong Kong	.60	7C-3X	Rep. of Guinea	.55
VS9	Maldiv Islands	.60	7P8	Lesotho	.55
VU	India	.55	7Q	Malawi	.55
XE	Mexico	.15	7X	Algeria	.50
XT	Voltaic Republic	.50	8P	(see VP6)	.30
XU	Khmer Rep. (ex-Cambodia)	.50	8R	Guyana	.35
XW	Laos	.50	9G	Ghana	.65
YA	Afghanistan	.75	9H	Malta (ex-ZB1)	.45
YB0	Indonesia	.60	9J	Zambia	.60
YI	Iraq	.60	9K	Kuwait	.50
YK	Syria	.60	9L	Sierra Leone	.55
YN	Nicaragua	.30	9M	East and West Malaysia	.60
YS	El Salvador	.30	9Q	Zaire, Rep. of (ex Rep. of Congo) (Kinshasa)	.75
YU	Yugoslavia	.55	9U	Burundi	.55
YV	Venezuela	.40	9V	Singapore	.55
ZB2	Gibraltar	.45	9X5	Rwanda	.55
ZD3	Gambia	.50	9Y4	Tobago, Trinidad	.35
ZD5	Swaziland	.55			

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JUNE 1974

G.N. (George) Robertson - W2AZX  
83 Roper Parkway  
Ontario, N.Y. 14519

## Reporters::

RA	Ray Arruba	N. Dartmouth, MA	
JAC	John Callerman	Mt. Vernon, IL	HQ180 & SM1
ADD	Alan Davenport	Ogdensburg, NJ	HQ180 & SM2
FD	Frank Dailey	Preston, CT	HQ180 & loop & beveridge
RJE	Russ Edmunds	Parsippany, NJ	HQ150 4' loop/HQ145 & 2' Rje loop
JF	Jeff Falconer	Clinton, ON	9R59DS & SM1
FELA	Joe Fela	S. Plainfield, NJ	SX100 & SM2
GFJ	Gordon Fenderson	Jr. Old Orchard Beh, ME	clock radio
ROSS	Ross Hansch	Madison, WI	HQ180 & 3½' loop
BLH	Brett Hanavan	Chula Vista, CA	HQ180 & LW
ELK	Ed Krejny	Middleboig Hts., OH	HQ180 & antenna
RL	Relfe Luton	Elizabeth City, NC	ARB & 1500' LW
WM	Wayne Murphy	Louisville, KY	HQ129 & 4' loop
SM	Stan Morss	Bradford, MA	HQ150 & SM1
dm	dAN MYERS	tOLEDO, OH	hq180 & LOOP
RM	Ron Musco	Windsor, CT	HQ180 & loop
SHAFT	Rick Shafton	New York, NY	HQ140 & SM2
DS	David Schmidt	New Castle, DE	HQ180 & SM2
KGS	K.G. Scrimgeour	Toronto, ON	HQ180 & 48cm loop
JS	Jerry Starr	Hubbard, OH	HQ180 & loop
EWB	Ye ED	Girard, OH	HQ180 & loop

**CHIP 1530**  
**Buffalo**

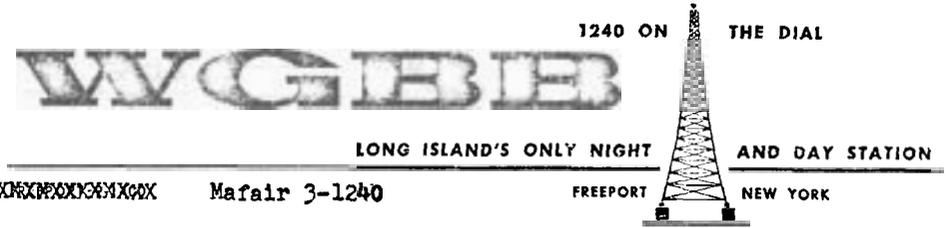
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**1250**  
Baltimore

**WCOG**

6635 TOWER ROAD P.O. BOX 8717  
GREENSBORO, N.C. 27410

Dats it gang,

by \*\*\*\*\*  
★ F HUB



January 7, 1959

Mr. Bob Foxworth  
69 Elm Street  
Summit, Union County  
New Jersey

Dear Mr. Foxworth,

We are very happy to verify your report of reception of WGBB ( KE2XXS ), 1240 on your dial, operating remote control with a power of 250 Watts non-directional.

KE2XXS are experimental call letters as authorized by the F.C.C. for experimental purposes. We are using The Kahn Compatible Single Sideband System.

Thankyou for your most complete Report.

Very truly yours,

*Harvey J. Soper*  
Harvey J. Soper  
Chief Engineer



## Update On Brit.'s Indie Com'l Radio; 10 Now, 9 To Come

London, Jan. 14.  
Independent commercial radio has been on the air in Britain for more than a year now — two London stations, London Broadcasting Company (news) and Capital Radio (general), being the first to open, in October 1973.

At the moment there are 10 outlets operating. Of a further nine scheduled, seven are due to bow before the end of this year.

Capital, LBC and Radio City (Liverpool) are the only round-the-clock broadcasters. The other seven beam an average of 20 hours a day Monday to Saturday (6 a.m.-2 a.m.) with shorter hours on Sunday (approximately 7 a.m.-1 a.m.). The Swansea station limits its Sunday programming to a 12 hour stretch, 8 a.m. to 8 p.m.

Below, for the record, is a breakdown of top management in commercial radio. (Heads of some of the forthcoming stations have not yet been decided.)

**London Broadcasting Co.** chief executive, Bill Hutton; chief editor, Marshall Stewart.

**Capital Radio.** managing director, John Whitney; program controller, Mike Bukht.

**BRMB Radio (Birmingham).** managing director, David Pinnall; program controller, John Russell.

**Radio Clyde (Glasgow, Scotland).** managing director, James Gordon; program controller, Andrew Park.

**Piccadilly Radio (Manchester).** managing director, Philip Birch; program controller, Colin Walters.

**Metropolitan Broadcasting (Tyne/Wear).** managing director, Bruce Lewis; program controller, Geoffrey Coats.

**Swansea Sound (Swansea, Wales).** managing director, Charles Braham; program controller, Colin Mason.

**Radio Hallam (Sheffield/Rotherham).** managing director, William MacDonald; program controller, Keith Skues.

**Radio City (Liverpool).** managing director, Terry Smith; program controller, Gillian Reynolds.

**Radio Forth (Edinburgh, Scotland).** chief executive, Christopher Lucas; program controller, Richard Findlay.

**Plymouth Sound.** managing director, Robert Hussell; program controller, David Basset. (Broadcasting expected to begin in spring or early summer of '75.)

**Radio Trent (Nottingham).** managing director, Denis Maitland. (Due on air in summer of '75.)

**Sound Broadcasting (Teesside).** managing director, John Bradford. (Due in summer of '75.)

Stations in Bradford, Portsmouth, Ipswich and Wolverhampton are scheduled to kick off in late 1975.

Applications for Belfast station and Reading station were recently put up for grabs.

## SOME ADDITIONAL THOUGHTS ON THE HEATH SB-620 SPECTRUM ANALYZER

- R. J. Edmunds

In the wake of Bob Foxworth's excellent article, I feel that there are certain points surrounding certain idiosyncracies which may be encountered by units which may have faulty parts or which may be improperly aligned. Most of the subsequent material has been discussed with Bob, and I hereby credit him for the assistance necessary to identify some of the problems.

Bob's original article mentioned problems of non-linearity of the trace being a result of a faulty varicap diode in the unit, and likewise made some suggestions toward reducing the likelihood of damage to the diode from excess heat from soldering in the construction process. Figure 1 is a prime example of such non-linearity of the trace. It appears at first glance to be a case where the pip is a split-channel station, say, 1376 kHz. for example, with 1380 to one side and 1370 on the other with the scan width adjusted for 10 kHz. Contrariwise, the trace indicated depicts a 20 kHz. width, and the stations are on three domestic channels. The illusion that the two adjacent channels are not equidistant from the center pip is a result of the faulty diode and the resulting misalignment. It cannot be emphasized enough that a faulty component can throw the entire alignment process on its proverbial ear.

As a gross example of what can happen, we can take the case of my particular unit, which had a faulty varicap diode (in fact, it still does, a new one is on order from Heath). In the manual for the unit, there is a procedure required in the Alignment section with respect to the adjustment of the 350 kHz. trap which states (sic) that throughout the rotation of the variable sweep width control (center, bottom) from 7:00 through 5:00 positions, the pip from the signal generator should be able to be centered by adjusting L3, and that after completion of this exercise, the pip should not wander from center more than one index mark either way from the 12 noon position on the pip center pot just to the right of the variable sweep width control. In my unit, when the sweep width control is turned in the counter-clockwise direction, the pip moves rather far to the left of the screen when the sweep control is rotated back past about the 9:30 o'clock position. (Naturally, if I had "zeroed" the pip for the low end of this rotation, the result would have been at the "high" end of the rotation instead.) Inasmuch as Tom Sundstrom's unit does much the same thing, although to a lesser extent, one must wonder if the diode is the only problem. Hopefully, further investigation will yield an answer, but in the meantime it can be noted that the entire subsequent alignment procedure is adversely affected by the fact that one step simply cannot be performed as specified.

Another idiosyncrasy, which Bob feels is exaggerated by improper alignment is illustrated in Figure 2, where a "bubble" appears on the low side of a pip of any significant amplitude when the function switch is in the "Log" position. Backtracking, it should be explained that I have found that there is insufficient pip amplitude for non-centered pips, even with the pip gain control set fully clockwise for the unit to be ultimately useful in the "-20db Log" position. This could be the fault of misalignment, or of low gain from the receiver (which has

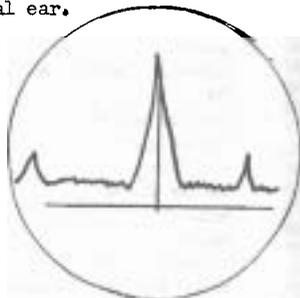


Figure 1 : Nonlinearity

perennially plagued my HQ-150), or from a faulty interconnection between the receiver and the Spectrum Analyzer. Be that as it may, for the moment, most units will, if given sufficient gain, reflect the "bubble" effect, which is simply a manifestation of overload, and can be reduced by careful re-alignment.

Next, I should like to add a few comments about the spurious responses which are most frequently noted. Being a past expert in the field of spurious response calculation owing to an unfortunate combination of location, receiver, and antenna some 6 years ago, I have attempted to rationalise the spurs noted in Bob's article and on my unit. The 700 kHz. spur is simply a harmonic of the 350 kHz. trap. The 805a kHz. spur is a mixing product of the receiver IF frequency of 455 kHz. (in Bob's and my HQ-150's) and the 350 kHz. trap frequency. The reason there is an "a" beside the frequency is that any variation from 805 kHz. is a result of a misaligned trap or a misaligned receiver IF. In the particular case of my receiver, and which appears to be common to a majority of the extant HQ-150's I have investigated, the crystal used for selectivity varies between 451 and 453 kHz. rather than 455, thus resulting in a necessity to maintain alignment of the receiver IF's on about that frequency or to dispense entirely with the effectiveness of the crystal selectivity and phasing functions on a semi-permanent basis. The upshot of this is that the spur on my set runs about 802 kHz. The spur noted in the area of 1505 kHz. is a mixing product of the two previously-discussed spurs or of their components, or both. Depending on the degree of misalignment, as indicated by Bob's quotes from Gene Vonderemse, these multiples can go on up into the shortwave bands. A spur between 1602 and 1610 kHz. is again the next harmonic of the IF-trap spur.

I've not yet figured out the 580 kHz. (again it seems somewhat variable) spur, although it could be a sum-and-difference type resulting from further interaction between the IF in the receiver and the unit's 350 kHz. trap, except that such an occurrence would place the spur in the 560 kHz. area instead. Likewise, the 980 kHz. spur noted in my unit and in Tom Sundstrom's (and most weak in both) is as yet unexplained, and may also be a result of mis-alignment.

This author's experience with the SB-620 points up the validity of Bob's statement that a certain degree of expertise in construction projects is indeed necessary to the proper construction of this kit, as well as my own feeling that the alignment process is much more tricky than it looks, and likewise requires some experience in that area. Finally, I can only second Bob's notes on Heath's helpfulness in component problems and alignment difficulties, even if it does take some time.

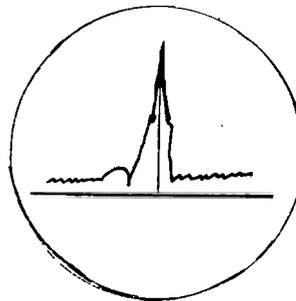


Figure 2 : The "bubble" effect.

The only additional problem I have encountered which is worthy of mention is that the spur noted between 800 and 810 kHz. radiates a marked "ZIT-ZIT" sound in time with the CRT trace sweep, which is frequently picked up by the receiver and which is definitely objectionable. This is primarily noticeable when the system is used with a loop and can be reduced by moving the loop away, or by putting more distance between the SB-620 and the receiver. If this doesn't work, one must either reduce the interference by placing the SB-620 in the 10 kHz. sweep width position for DX'ing these frequencies, or by turning the unit off.

Regarding non-linearity of the sweep, I had not conjectured the extent of the non-linearity being so great as is shown in Fig. 1, but I suppose anything is possible. I would suspect immediately the Varicap diode but could not rule out other components in the sweep oscillator RF section or even possibly the horizontal deflection circuit as causing nonlinearity of that magnitude. If the user has this trouble, and replacement of the diode does not cure it, consultation with Heath would be indicated.

I have found that it is almost impossible to get the pip to remain at exactly the same place on the CRT, as the variable sweep width is varied from 20 or 25 khz sweep width, to minimum. (This refers to the potentiometer adjust, not the switch). The best I could do is to get the pip so that it shifts a few khz along the baseline, as this control is turned. A slight turn of the Pip Center (not the Horiz Pos) control re-centers the pip after changing the Sweep Width. This is a trivial problem and should not be a major goal of alignment if other considerations are sacrificed in turn.

I have noted the "bubble effect" on very strong signals in which the tops of the pips go way off the top of the screen. This seems to me to be a symptom of overload in the SB-620 and I would think that alignment is the main factor here, but have no experience to base this on. I will say that if this "bubble effect" exists alongside a pip that is contained vertically within the CRT screen, then something is wrong. Exact cause is not known by me.

I've never tried to determine just what the origins of the various spurs are that I've seen. Russ's explanations seem reasonable to me. Again, a band-pass filter in the input ought to markedly reduce these effects, though they are only a minor annoyance at the worst. There is something like a spur in the area of 580 in my unit, too, as I recall, though I haven't really noticed it lately. Whatever, it was quite weak and not really noticeable. I have not noticed any spurs in the 980 khz area on my unit. It's worth repeating that, once the user becomes acquainted with the several spurious responses in his own particular system, he soon learns to work around them, recognizing them for what they are, so they don't cause any false alarms. Generally, any legitimate pip will also be an audible carrier, while a spur won't have any corresponding aural signal, so there should not be any confusion here. Again, watch how fast they move as the set is turned, in frequency, if there's any question.

Finally, Tom Sundstrom points out that Heath maintains two types of catalog mailing lists, for those who have bought from the Benton Harbor factory, and for those who have bought from their retail stores. Tom tells me that you can indeed buy the kit directly from the factory. This may result in a saving of money, but will bring in shipping charges and the delay of shipping time. Nonetheless, it seems to be worth investigating. Tom points out that the retail store catalogs don't mention factory-to-consumer sales, thus my comments in the beginning of the SB-620 paper.



NEBE ----- a Super Signal Snatcher

-- de Ghoti, Ph.Dx

*As a sequel to the SUPER SIGNAL SNATCHER which appeared in both DXN and DXM, this writing, as stated, partially describes Project NEBE (NEbraska BEverage) which began in October 1972. Described here are the method of construction, the antenna location; a subsequent writing will give the basic performance of NEBE and a description of the receptions on the BCB.*

*Project NEBE participants: Carl "Skip" Dabelstein, KØSBV, Lincoln, NE (NRC,IRCA); Bernie C. Macholan, exKØMKV, Wahoo, NE (IRCA); Bob Mitchell of Back to the Bible Broadcasts, Lincoln, NE and de Ghoti. We regret very much that "Mac" died of cancer in late 1973. His fundamental grasp of things abstract was indeed out of the ordinary!*

*The first antenna was erected in about two hours time and was 3200 feet in length, about 5 feet above the ground and located on an envious square mile of land given over to the Project by the University of Nebraska at its Field Laboratories about 7 miles southeast of Wahoo.*

*As pointed out by GPN in THE BCB DXer's BEVERAGE in DXN and also in the Super Signal Snatcher, a Beverage operates with improved efficiency as the conductivity of the ground over which it is located becomes increasingly lower (poorer) but also that a good ground is required to terminate or ground the ends of the antenna and receiver system. So, one works against the other: High conductivity allows an easier good ground but the antenna pickup is reduced and conversely so for low or poorly conducting soils of the earth. The conductivity at the NEBE site is about the highest (best) in the USA. As a guide to the type of soil across the USA, refer to GPN's article above where the FCC Conductivity map of the region can be found.*

*Other than the conductivity dilemma, which exists at any location in general, the NEBE site is as ideal or envious as one could desire. A BCB shack including operating tables and power is located on the site--out in the middle of nowhere there's a BCB shack beautifully positioned for BCB Beverage work!! Furthermore, the land lays very flat for tens of miles around and the largest elevation differential at the site is on the order of 7 feet. We realize that few will have it so lucky!*

*The following materials were obtained or prepared prior to the construction of the antenna:*

- 1) a sufficient number of 1"x6"x6" stock lumber cut into 3/4"x3/4"x6' stakes to allow about 50-60 foot spans of wire along the antenna run;
- 2) four 1 lb spools of 24 gauge plain enamel copper wire (about \$15 at that time);
- 3) a hammer and a few nails;
- 4) a 560 ohm carbon resistor (suggest a 1000 ohm carbon potentiometer);
- 5) a box of small U-tacks;
- 6) a roll of rubber based insulating electrical tape;
- 7) a propane torch and rosin solder;
- 8) a 50 foot tape measure;
- 9) several copper ground rods (1/2" x 8');
- 10) twenty foot or so of cloth clothesline rope and a number of cloth ribbons;
- 11) a magnetic compass;
- 12) a geographical topography map of the site; and
- 13) a 7 foot by 1.75 inch round steel rod (wrecking bar) with a pencil pointed end.

We recognize that the last item may be hard to find! But there are substitutes as mentioned below. It was merely fortituous that one was on hand.

The azimuth bearing of NEBE was chosen to be 120°/300° (roughly SE/NW) with the 300° azimuth for use in the unidirectional Beverage mode.

True North was determined from the BCB shack housing the RX and the tape recorders by use of the topographical map and then crudely checked with the magnetic compass. Once this N/S line had been determined, the tape measure was used to determine a point 600 feet due North of the RX shack. (600' was merely convenient--any distance of that order is fine). Then from that Northern point, with the compass again and the topographical map an E/W baseline was determined. Then by some trivial trigonometry, a point was located along the E/W line by measuring off with the tape measure. The point so determined lay on the 300° azimuth line from the BCB shack. The point and the shack then determined the line of construction for the antenna.

Now the antenna erection began. Always siting along the reference points marking the azimuth line of the antenna, the wrecking bar was used to punch 5" to 6" deep holes in the ground, the holes being separated about 50-60 feet apart. While one person did this, another followed placing a wooden stake (3/4 x 3/4 x 6') in each hole. No effort was made to cause the stakes to stand vertically before the wire was attached. When the wire is attached, the wire catenary causes the stakes to come vertical and align with excellent form!! Following close behind the staking operation, two of us attached the wire to the top of each stake as follows --in a very simple manner. A short piece of the rubber based electrical tape was cut and folded flat over the stake top, then a U-tack was hammered into the stake with the antenna wire passing thru the U-tack and over the rubber electrical tape. No U-tack was nailed completely down or into the top of the stake, thus allowing the wire to slide across the top of the stake as required. When an end of a spool of wire was reached, the torch was used to solder a "Western Electric" splice to the beginning of a new reel of wire. Note, if the wire has plastic insulation on it, the rubber based electrical tape is not necessary.

When the 3200' point was reached, the end of the antenna was wrapped (to prevent slippage) about a nail driven into the top of the last stake with about 10 feet of wire left over to allow the end to be soldered to the resistor which would then be soldered to wire connecting to the ground rods in the ground near the last stake. (NEBE was first operated in the bidirectional, unterminated mode). Rope was used to guy the last stake to smaller stakes driven in the ground around to keep this stake from breaking due to the torque from the antenna wire. The same guying was used on the first stake at the start of the antenna next to the BCB shack. The arc or catenary formed by the wire as it spanned from stake to stake was determined by merely pulling the wire forward from span to span as it was being installed. Common sense determined the tension of each pull--perhaps the wire sagged a foot at the most in the middle of a span.

After being up for a few days, the copper wire stretched (as expected) and the wire had to be respanned. About 70 foot of wire was pulled out at the end stake as a result of stretching (that's about 2% of 3200'). Thereafter very little increase in sagging between stakes was noted even though cloth ribbons were attached at each mid span to alert any trespassers of its existence--hoping they would then not walk into it or through it.

After the extra wire due to stretch was pulled from one end of the antenna, and a few hours of operation in the bidirectional mode, the resistor was connected on the NW (300°) end by soldering it in series with the end of the antenna and the ground rods. The propane torch was used and is necessary to solder the wire to the heavy metal rods--we chose not to use a mechanical "crimp" connection. That's all it took to erect NEBE!

Later on, about late November 1972, the antenna was moved some 10° to the North, 310° and instead of placing the stakes in the ground, they were mounted or strapped atop every other metal fence post of a wire fence running almost the length of the antenna. (We discovered that cattle broke into the area and that they do not mix well with Beverage antennas!). The antenna was now some 7 to 8 feet above the ground. This was NEBE 1A. The results of NEBE 1 and 1A were affected by the fence but the receptions were still so phenomenal or out of the ordinary that the effect was of little concern to us--if noticed at all.

The antenna was used on quite a number of occasions for many hours--MM on a Beverage is something else!!! Ice accumulated on the antenna once or twice and we had to resplice it and respan it and were back in operation. Use of larger diameter wire would have prevented this problem however. The way the antenna was constructed, once the wire broke, the tension was sufficiently relieved that only one break was found.

About the wrecking bar. It can be replaced by a 1" diameter piece of pipe which can be driven in the ground with a sledgehammer or some such klobberer. Removal of the pipe isn't easy--suggest a hole be drilled thru the side of the pipe and a heavy wire or cable be attached, then pull for retrieval.

Note that not every procedure mentioned here need be followed in the construction of other Beverage antennas and not all items listed in the materials list absolutely necessary. Too, other structures are conceivable for a Beverage, the method used in this case seemed most appropriate for the location and the ease of installation.

Finally, a few comments on grounding and terminations. A good ground is absolutely essential for proper termination of a Beverage, but obtaining and maintaining such is like holding a tiger by the tail! Multiple ground rods well spaced and well connected are a good start. What appears to the eye as a sufficient ground system is not necessarily so!!! A cheaper method than ground rods is to use coffee tins punched full of holes, bare copper wire then threaded thru the holes thus running both around the outside and thru the inside of the cans and soldered at every point the wire passes thru a hole. A multitude of such can wired together is then buried about the earth in the vicinity of the end of the antenna. Other such objects to which electrical connection can be made prior to burial are car radiators, tanks, pipes, metal sheeting (ideal!), and so forth. Once you've got what is believed to be a good ground, a single good sized wire will run from the ground system to the point of connection with the terminating resistor for the Beverage.

Regardless of the ground you obtain, the termination in most cases will "float" and it will be quickly discovered that the termination is not ideal. A Beverage must be pruned or tuned with some method of varying the termination over a range of resistance (simplest case) while monitoring at the RX. For a Beverage like the 3200' NEBE, this can be quite a feat. Communication between antenna ends is not easy to come by. Some have used walkie-talkies or even a separate "talk" wire. Use of the beverage for such communication is not correct when the RX is being used simultaneously however.

Such tuning presupposes a variable potentiometer (resistor) for the termination. The simplest method of tuning is to have some one or some way of tuning the termination while the receiver is monitored. The RX is tuned to a station off the backside of the antenna (RX end) and the resistor is varied until the best "null" is obtained on the backside station. Once such a setting is obtained, it will be discovered that it is also frequency dependent and that off on another frequency the setting will be different. Too, the ground electrolysis, etc. will cause the termination to change and resetting is required with respect to time because ground conditions have changed. Treating the ground with salt, etc. may help obtain a somewhat improved LOCAL ground, but its change with time will likely be more pronounced. A tiger by the tail.

GPN has written a beautiful paper titled "On the Goodness of Beverage Terminations" - as I recall, that covers the techniques extremely well and based on adroit theory as well as practical verification. This paper remains to my knowledge as unpublished correspondence.

The Beverage antenna is indeed a phenomenal BCB antenna. Its employment in more serious technical endeavors in BCB work is extremely justified. For one, daytime DX! Those of you who have made some long haul day time receptions in the 1000-1330 local time period by the mechanism of partial D-region reflections will understand my point. Who will be the first to log a daytime E-layer hop? That's a real challenge and a notable objective. There's a lot of high noon DX work that can be found in the USA during the winter months.

To end, NEBE was surely a notable experience for all of us and more details of receptions made will follow in a writing to be authored by Skip Dabelstein. He has some interesting data to display as a result of our early morning and late night treks out to the NEBE project. We can only encourage others to erect such antennas but caution to take the time to install properly. The reward is certainly serendipity!  
--de Ghoti

(Note: For those interested in a source for Beverage antenna wire, contact me!!!)



540  
WGTO-FL CH: 250  
560  
KVOK-AK CP is on, delete \*  
CJKL-ON Addr: 6 Hudson Bay Ave.  
SCH: -0100

580  
WKSK-NC PSA: 500  
CKWW-ON SCH: 24 hrs SP:MM 0200-0400 irreg.

590  
\*CP-NB Sussex. PWR: U3 500 250

600  
KCLS-AZ SCH: 0700-0204  
WMT-IA Addr: Box 2147  
WSJS-NC SCH: noted AN Nov. 9th  
WFST-ME Addr: Box 600  
KSJB-ND SCH: s/on heard 0630 so  
CBNA-NF // CBY-990

610  
KAVL-CA SCH: 0756(1056)-0210  
(0100)  
WRUS-KY PSA: 438.5

620  
WVNJ-NJ SCH: has been noted AN  
at times.  
WETE-TN SCH: 24 hrs SP:MM 0008-0500. Has fake s/on  
at 0500 daily with SSB

630  
WLAP-KY Zip: 40507. SCH: 0500-0205

640  
KFI-CA SCH: 24 hrs SP:MM 0600-0700

670  
\*CP-NF Musgravetown. PWR: U?  
10000 10000

710  
WQBX-VA Zip for Christiansburg  
addr. is 24073  
\*CKZO-NF Call for Clareville CP

720  
KUAI-HA SCH: 0930(1100 Sat,  
1200 Sun)-0559(0300)  
WGN-IL SCH: 24 hrs NSP

730  
KWRE-MO PSA: 152  
CHIR-ON Using CHYR call, offic-  
ial call may be CHYR-7  
CJNR-ON SCH: 0600(0700)-0010

740  
WKIS-FL Addr: Box 1353  
KTRH-TX SCH: 0458-0100

740  
\*CP-WV Martinsburg, 25401. PWR:  
D1 250. Addr: 221 North  
Maple Avenue

790  
WAEB-PA SCH: 24 hrs SP:MM 0200-0700  
WWBD-SC PSA: 480  
CHIC-ON PC: 16V 106

800  
KBRN-CO PSA: 67.5  
\*CP-KY Cave City, Zip: 42127  
PWR: D3 250

810  
KAFF-NM PSA: 7.5  
\*CKJS-MB Call for Winnipeg CP  
\*CJVA-NB Call for Caraquez CP

840  
WHAS-KY SCH: 24 hrs  
NSP

850  
WHDH-MA SCH: 24 hrs SP:Sun 0330-0630 (OC day DA 0410-0430 ID--OC off 0445, 0605 OC returns)  
KEYH-TX Not KEYX. CP is on, delete \*

860  
CBH-NS SCH: 0500-0000

870  
KIEV-CA PSA: 426

890  
KBYE-OK PSA: 388

900  
WATV-AL Addr: 20th Floor, Cabana  
Motel. PSA: 214  
Net: UPI  
Addr: Box 111  
Addr: Box 900  
SCH: possible 24 hrs

910  
WRCQ-CT ex WRCH  
WPFB-OH PSA: 341  
KGLC-OK SCH: 24 hrs NSP  
KCJB-ND SCH: 24 hrs SP:MM 0200-0600  
WSBA-PA SCH: 24 hrs SP:Sun  
0330-0700  
WRNL-VA SCH: may be off 24 hr  
operation

920  
WGST-GA SCH: 24 hrs NSP  
WPTX-MD SCH: -0003  
KDHL-MN SCH: 24 hrs  
WMNI-OH SCH: 24 hrs SP:MM -0500  
CFRY-MB SCH: 24 hrs NSP or  
0800-0207 (AN-MM)

930  
KSDN-SD SCH: 24 hrs

940  
 WYLD-LA SCH: 24 hrs SP:MM 0106-  
 KADO-TX ex KATQ  
 WEEO-VA CP is on, delete \*

950  
 KLIK-MO SCH: 0600-0105  
 WIBX-NY SCH: 0453-0005  
 WLIT-OH PSA: 500

960  
 WEAV-NY SCH: 24 hrs

970  
 WERH-AL PSA: 500  
 WDAY-ND SCH: 24 hrs  
 KOIN-OR SCH: 24 hrs SP:Sun  
 0301-0858

980  
 WITY-IL SCH: confused! May be  
 0600-0100 or 24 hrs SP:  
 MM 0100-

1000  
 \*CP-GA Superton. PWR: D1 1000

1050  
 WTCA-IN Addr: 112 West Washing-  
 ton Street  
 KLPL-LA PSA: 64  
 WADC-WV ex WCEF. PSA: 425

1060  
 KLMO-CO PSA: 500  
 \*WTLG-GA Call for Tallapoosa CP.  
 WNOE-LA SCH: 24 hrs NSP  
 WGTR-MA PSA: 1.8  
 WALD-SC PSA: 100  
 KAMA-TX PSA: 500  
 KHYM-TX PSA: 31

1070  
 WSCP-NY PSA: 500

1080  
 WNWI-IN PSA: 10  
 WVCG-FL CP: U4 10000 10000

1090  
 \*CP-AL Jacksonville. Delete  
 listing.

WIID-MI PSA: 9  
 WPTY-SC PSA: 4.6  
 WGOC-TN PSA: 50  
 KACO-TX PSA: 30  
 KKYN-TX Addr: Box 147. PSA: 16  
 \*WRRR-VI Delete listing, CP is  
 now on 1290

1110  
 WCBR-KY PSA: 17  
 WJML-MI Net: A1

1120  
 KMOX-MO SCH: 24 hrs SP: every MM

1130  
 WNRJ-GA PSA: 3.2  
 WLEY-KS PSA: 250

1140  
 WIXC-TN PSA: 83.5  
 CBI-NS SCH: 0445(0615)-0000

1140  
 \*WAKK-MS CP. Mc Comb, Zip:39648.  
 PWR: D1 1000  
 WRVA-VA SCH: 24 hrs SP:MM 0008-  
 0455

1150  
 WHMC-MD Delete listing.  
 WGOW-TN SCH: 24 hrs NSP. Addr:  
 Box 4704, Zip: 37404.  
 PSA: 250  
 KSUZ-TX PSA: 221  
 WABH-VA PSA: 11.4  
 WSNE-GA PSA: 4.86  
 KJAS-MO

1190  
 KADE-CO PSA: 55.7  
 WPUP-MS Addr: Box ZZ  
 WAMB-TN PSA: 250  
 CJMR-ON Addr: Box 1190 Postal  
 Station, Port Credit,  
 Mississauga

1210  
 WHOY-PR CP: U2 1000 1000

1220  
 WSFT-GA PSA: 200  
 \*WEQO-KY Call for Whitley City.

1230  
 KODE-MO SCH: 0630(0730)-0105  
 KRDR-OR SCH: 24 hrs SP:MM 0430-  
 0800  
 \*CP-NWT LOC: Ft. Franklin  
 CJTT-ON SCH: -0100  
 WINF-CT SCH: 24 hrs

1240  
 KNYN-AZ ex KGIN. ANT: U1 again  
 KWLC-IA SCH:1000-1245, 2300-  
 0156, 0830-0156 Sun  
 Delete listing.  
 KAVE-NM SCH: 0600-0106  
 WSNJ-NJ SCH: 0600(0700)-0108  
 WENK-TN (2300)  
 CJAV-BC SCH: 24 hrs NSP  
 CKMK-BC CP is on,delete \* SCH:  
 24 hrs. // CKPG-550  
 \*CJNH-ON Call for Bancroft CP.

1250  
 WDAE-FL IDs as Tampa-St. Peter-  
 sburg  
 WTMA-SC SCH: may have SP:MM  
 WDVA-VA SCH: 24 hrs NSP  
 CHWO-ON SCH: 24 hrs SP:MM irreg  
 CKJD-ON SCH: 24 hrs SP:MM 0005-  
 0600

1260  
 WIBV-IL SCH: 0600(0700)-0100  
 WCSA-MS PSA: 500  
 KGBX-MO SCH: 0600(0800)-0105  
 (0000)

1260  
 WIXY-OH SCH: 24 hrs SP:1st MM  
 0100-0530

1270  
 WTNT-FL SCH: 24 hrs  
 WVOY-MI PSA: 500  
 KBOM-ND ex KWWB  
 \* -VA CP. Buena Vista, Zip:  
 24416. PWR: 1000, fur-  
 ther info lacking.

1280  
 WPID-AL PSA: 500  
 WGTX-FL PSA: 500  
 WGSO-LA Zip: 70112. Addr: 1440  
 Canal Street  
 KVOV-NV IDs as Henderson-Las  
 Vegas

1290  
 WHKY-NC SCH: 0500(0700)-0000  
 WFBG-PA SCH: 0530-0100(0200 Fri  
 Sat,Sun)

\*WRRR-VI Frederiksted, St. Croix  
 Zip: 00840. PWR unknown  
 ex 1090.  
 WVOW-WV SCH: 0600(0730)-2130

1300  
 KOLY-SD PSA: 468

1310  
 WLOB-ME Net: AP  
 WNIC-MI SCH: 24 hrs SP:MM 0029-  
 1420  
 KGMT-NE PSA: 500  
 WDOO-TN SCH: 0500-0100  
 WIBA-WI SCH: 24 hrs

1320  
 #CFTJ-ON LOC: Cambridge

1330  
 WFTP-FL ex WARN  
 WTRX-MI SCH: 24 hrs NSP

1340  
 KDOL-CA SCH: 0800-0200  
 WSOY-IL SCH: 24 hrs NSP  
 WHAT-PA SCH: 0600-0105

1350  
 WYLS-AL PSA: 500  
 WEGA-PR CP is on. PWR: U4 500  
 500  
 CJDC-BC SCH: seems 24 hrs  
 CKAD-NS SCH: 0500-

1360  
 WKYO-MI CP is on, PWR: U2 1000  
 500. PSA: 362  
 \*CJVL-PQ Call for Ste. Marie de  
 Beauce CP.

1370  
 WCOA-FL SCH: 0600-0111 Mon-Thur  
 24 hrs Fri-Sun  
 SCH: 0600-0200  
 WTTTS-IN SCH: 0600(0800)-0030  
 WSAY-NY (2300 Sat)  
 WWCB-PA ex WOTR

1370  
 \*CP-SA Saskatoon. PWR: U?  
 10000 10000

1380  
 WGSE-NC PSA: 500  
 WTOB-NC PSA: 500  
 WBEL-IL SCH: 0630-0105  
 WLRV-VA CP is on,delete \*. PSA:  
 424  
 SCH: 24 hrs NSP

1390  
 WROA-MS Delete PSA. IDs as  
 Gulfport-Biloxi  
 PSA: 500

1400  
 WROZ-IN SCH: 0600-0206  
 KMHL-MN SCH: 0700-0058  
 KRUN-TX ANT: U1  
 WELK-VA SCH: 0457-0100  
 \*CHNL-1 Call for Clearwater,BC  
 CP

CKCB-ON SCH: -0045  
 \*CKRV-PQ Call for Drummondville  
 CP.

1410  
 KCAL-CA PSA: 402  
 WPOP-CT SCH: 24 hrs NSP  
 WDOV-DE SCH: 0600-0105  
 KLEM-IA PSA: 395

1420  
 WRBL-GA SCH: 0500-0110  
 WSUH-MS Addr: Drawer 1056. PSA:  
 500  
 WASR-NH PSA: 474  
 WHK-OH SCH: 24 hrs NSP  
 WWSR-VT PSA: 328

1430  
 WODI-FL Call should be WQDI,ex  
 WRSD.  
 KASI-IA PSA: 400  
 WLCB-KY CP is on,delete \*. Net:  
 M. IDs as Buffalo-  
 Hodgenville

1440  
 WAKC-IL IDs as Normal-Bloom-  
 ington  
 WAAB-MA SCH: 0430-0103 or 24  
 hrs SP:MM  
 WBCM-MI SCH: 24 hrs SP:MM  
 CJOI-AB CP may be on.  
 1450  
 KOPO-AZ SCH: 24 hrs SP:MM 0300-  
 0800  
 KLAM-AK Change Nov.16-April 30  
 to read: 0730-1200 &  
 1700-2200 daily and Sun  
 Net: C  
 KRZY-NM  
 1460  
 WBNS-OH SCH: 24 hrs SP:MM 0130-  
 0200

1470  
 KAZM-AZ CP is on,delete \*.  
 Addr: Drawer 1525  
 Stanton, Zip: 40380.  
 \*CP-KY PWR: D1 500  
 WSAC-KY PSA: 377  
 WTKO-NY PSA: 500  
 1480  
 KWUN-GA Zip: 94522  
 WSAR-MA Has no PSA  
 KPIA-MO PSA: 500  
 WHBC-OH SCH: 24 hrs SP:MM 0000-0500  
 KBOX-TX PSA: 257  
 1490  
 WCKC-FL CP is on,delete \*, ex WSRRA  
 KIIQ-CO ex KEDI  
 WMRE-GA Delete listing.  
 WTXL-MA SCH: 24 hrs NSP  
 \*CKMV-NB Call for Grand Falls CP.  
 1500  
 WWSM-AL PSA: 13.7  
 WBFN-MS PSA: 5.5  
 KSTP-MN SCH: 24 hrs NSP  
 WLWL-NC PSA: 23.3  
 KWFA-TX PSA: 250  
 1510  
 \*WPSC-SC Call for Pageland CP.  
 KYKR-TX ex KCAW  
 1520  
 WGNB-FL PSA: 88.1  
 WNMT-GA PSA: 24  
 WTUU-OH SCH: 24 hrs NSP  
 WCSV-TN PSA: 9.4  
 \*WEIX-VA PWR: D3 500  
 1530  
 WKDC-IL CP is on,delete \*, Net: Ai. PSA: 250. Addr: 130 North York Street  
 CH: 250  
 WBCW-PA  
 1540  
 WPTR-NY SCH: 24 hrs NSP  
 KBES-WA SCH: 24 hrs NSP  
 1550  
 WAAY-AL SCH: 24 hrs SP: 1st MM  
 KQXI-CO Addr: Box 506, Arvada, Zip: 80001  
 WCVL-IN SCH: 0600-2300  
 WCTW-IN SCH: 0527-2215  
 KOKA-LA SCH: 0500-0130  
 KLFJ-MO CP is on,delete \*.Zip: 65801. Addr: Box 801.  
 PSA: 78  
 WOKJ-MS SCH: 24 hrs  
 WSER-MD PSA: 1.08  
 WGNL-NC PSA: 11  
 WPTN-TN PSA: 250  
 KCOM-TX PSA: 250

1560  
 KIQS-CA PSA: 250  
 WYSE-FL PSA: 500  
 CFRS-ON Delete listing, on 1600  
 1570  
 KBJT-AR PSA: 68  
 KLOV-CO PSA: 40  
 WGHG-GA PSA: 298  
 KQWC-IA PSA: 250  
 KMAR-LA PSA: 44.8  
 WKOL-NY PSA: 250  
 WBUZ-NY PSA: 90  
 WLSC-SC PSA: 346  
 KVRA-SD PSA: 270  
 SCH: 24 hrs SP:MM  
 CKTA-AB SCH: 24 hrs SP:MM 0005-0600 (on MM if a holiday)  
 CFOR-ON CHLO-ON SCH: 0600-0100(0200 Fri/Sat,0000 Sun)  
 1580  
 WVKO-OH Addr: 4401 Carriage Hill Lane, Zip: 43220  
 1590  
 WWUN-MS SCH: 24 hrs NSP  
 KPRT-MO ex KPRS  
 WGOE-VA Zip: 23220. Addr: 104 West Franklin Street  
 SCH: -0300 (off 24 hr operation)  
 KUUU-WA  
 1600  
 WKWF-FL SCH: 0530-0300  
 WPOM-FL SCH: 0500-0159  
 WFRC-NC SCH: 0458-0103  
 WAYC-PA PSA: 285  
 WNST-WV Zip: 25541. Addr: Box 266. PSA: 500  
 CHNR-ON ex CFRS. Cp is on, delete #, ex 1560. SCH: 0600-0105  
 Contributors: John Callarman, Charles Reh, Frank Merrill, Karl Forth, Bruce Portzer, Stephen Francis, G. Fenderson Jr., Bob Foxworth, Jerry Starr, Wess Boyyd.  
 This column Updates the NRC Log to 12-28-74.  
 Remember what dAN myERS says: The More You Listen-The More You (Not Him) Hear.  
 Rjm

*Do you flip on the ol RX, spin the dial and then DX the frequency on which it stops, then when you tire of that frequency, spin off to another in much the same matter? Well, that's "BCB Roulette" and your DXing habits may be heavily influenced by this technique--perhaps even characterized by it. Think about your style of BCB work. The bulletin DX test calendar may be the single common element in the DXing habits of club members. When you BCB otherwise, how organized is your approach?*

*This article suggests several methods that can be used to help organize your approach to BCB. Certainly not all techniques workable are discussed in what follows but a technique based upon geographical geometry is presented for your consideration with several methods of approaching a BCB scheme--choose the methodology that fits your style, habit or desire or generate a similar one yourself.*

*First, stake out your BCB "territory", say all stations within 150 or 250 miles of your RX location. Exactly what limit you use depends upon several things the most important of which is the density of stations. In Nebraska I used 250 miles and found approximately 250 stations inside; the same radius in North Carolina has resulted in more than 750 stations. After you've staked out your territory, make a list of all stations by frequency inside it, then keep your eyes pinned in the club bulletins and your ears on the speaker to note any additions or changes in station activity within your domain. You thus become a monitor for the club, keeping tabs on your territory and reporting or substantiating data about stations as best you can within it--a desirable club-encouraged activity!!!*

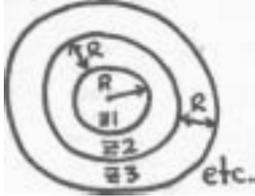
*Second, the challenge is now to log every station in the territory you have selected. When you have accomplished that--extend your territory out farther. In this way you'll eventually log every BCB station in the world--simple isn't it? Starting with your "first" territory however, the radius chosen as the maximum limit depends upon the station density as stated above but also on the relative ground conductivity. For example, in the Southeastern USA a good power station 40 miles away in the nondirectional mode may well be inaudible while in the Great Plains stations are easily heard regularly even during the day as far out at 800 miles or more, the ground conductivity is higher and thus renders less ground wave attenuation. Thus, 250 is a good value in high conductivity areas but not so in poor areas--perhaps 150 miles is more reasonable. Anyhow, pick a value for an outer limit and stick with it. From years of experience, trying to log every station in even your first territory well represents one of the greatest DXing challenges you will ever take on! It will require every bit of your effort, ingenuity and tax your gear to the limit. Before the methodologies of territory DXing are discussed, some of these side effects will be mentioned.*

*Since most of the stations in your territory will be daytimers, sunrise and sunset DXing will be required as well as significant effort well into the daytime. Logging many of these stations in these periods will require the use of a loop antenna and one with a pretty decent set of nulls at that. You'll be required to log stations on the same frequencies as your locals for instance, and on channels adjacent to them. The depth of the loop null, and equally and perhaps more important, the selectivity of your RX are the parameters of success. If either parameter is poor, you have a tiger by the tail. Exactly the same problem occurs within your territory as that of a powerful distant station on or adjacent to a TA, TP or LA station. Too, just as you learn long haul DX propagation phenomena in foreign DXing, so you will learn of short-haul effects, seasonal effects, diurnal effects and so forth in territory DX. Some stations are readable only during the static prone summer months when s/on/off*

times are at their limits. If you can't bust a channel by use of your equipment, you hunt for the frequency check or even get up enough steam to join the CFC and run off a DX test. Stations which are directional or switch patterns will also lie in your territory. You'll have to learn about antenna patterns--the NRC series PATTERNS is as much a daytime requirement as nighttime. So, trying to log that 250 watt station, 175 miles away, next to one of your locals and cochannel with two stations that boom in on the frequency when you loop our/down your local bomber will teach you things you never dreamed of --if you're willing to make the effort to improve your techniques, gear and overall BCB knowledge. Yes, it's very educational. There will be more real challenges inside your territory than nonchallenges. Oh, those local channel signals--lotsa luck! (It's not fair, by the way, to buy time on one of your local pests so you can create your own silent periods. Tsk. Tsk.) Other side effects result but not all are covered here. (Like bananas!) We now discuss geometrical-territory methodologies.

Characteristic to every method is the TARGET station or stations. These stations will be determined according to the method used to attempt the logging of the entire territory. There is always at least one target and there may be many, depending on your approach. Once a station is logged, it is a target no longer. The following methods are not listed in any order of priority or goodness--choose one you like or create one of your own. In a number of these the use of a map (e.g., road maps) is essential or at least very useful.

ZONE METHOD: Take a map which depicts at least the geographical area you've selected as your local territory and draw on it concentric figures centered on your RX location. One can use concentric circles, squares, ellipses, etc. For the sake of illustration, only circle will be used in the description of this method here.



Z1 is the inner or first zone centered on your RX. The radius (R) of Z1 (Zone #1) is suggested at 50 miles. Z2 then is a R-mile (50-mile) band around Z1 and so on for Z3, Z4, Z5, ... . Five zones will cover 250 miles. A road map is good enough to lay off such zones out to 250 mile final radius with a compass and ruler.

Now, make a list of stations for each zone by frequency, then set about to log all those in Z1 first, then all in Z2, all in Z3, etc. These lists for each zone form the target station lists and it can almost be guaranteed for every zone at least one station is a really tough challenge--DON'T GIVE UP! One of the real rewards is logging a station you really had to use your noodle and ingenuity to snag. In this method, you can elect to DX each zone by frequency, say, starting with the lowest frequency station(s) and ending with the highest, or log all local channels by frequency, then regionals, then clears. Thus, there are numerous "subroutines" that can be generated here as well as for some of the methods that follow.

EQUAL AREA METHOD: This is the zone method except that each zone has the same geographical area as the inner or first zone, Z1. Thus, as one moves outward, each zone has a thickness smaller than any of the previous ones. The radii for such zones are determined from square roots of the sequence 1,2,3,4,5,6,7, ... . The following table is useful. Let R be the choice for the first zone, e.g., R=50 mile

Zone #	1	2	3	4	5	6	7	8
Outer Edge of Zone	R	1,41R	1,73R	2R	2,24R	2,45R	2,65R	2,83R
For R=50 miles	50	71	87	100	112	122	132	150
	9	10	11	12	13	14	15	16
	3R	3,16R	3,32R	3,46R	3,61R	3,74R	3,87R	4R
	150	158	166	173	180	187	194	200
	17	18	19	20	21	22	23	24
	4,12R	4,24R	4,36R	4,47R	4,58R	4,69R	4,80R	4,90R
	206	212	218	224	229	235	240	245
								250

RADIAL METHOD: Measure or determine the airline or straight line (map) distance to each station in your geometrical territory. Then list the stations in the order of increasing distance from you RX and log them in that order. If two or more stations are equal distance, record them by increasing order of frequency and if they are same distance and same frequency, record them alphabetically by call letters.

AZIMUTHAL METHOD: Starting at 0° (True North) determine or measure the azimuth bearing of each station in the geometrical territory. 90° denotes East, 180° denotes South, 270° denotes West and 360° also denotes True North. The the angle measure is clockwise N thru E thru S thru W and back to N (0°-360°). Then list stations in order of increasing azimuth bearing stating with 0° and ending at 360°. If two or more stations have the same bearing, list them by increasing frequency, and if two or more have same azimuth and same frequency, list them in order by alphabetically sequencing their call letters. This method can be used as a submethod or subroutine to the Zone or Equal Area methods. Too, if you wish to break the territory into larger angular wedges as subdivisions, you have the PIE method.

PINWHEEL METHOD: Freehand or accurately draw a pinwheel on the map starting at your RX. A spiral, or "spiraling" square, or any other figure having this spiral property can be drawn and used to divide the territory. Then starting again at your RX, list all stations as you move outward into the territory following the path determined by the pinwheel. If you don't make the spacing between adjacent turns of the pinwheel too far apart, then you're not likely to have the list problem of two stations in sequency with the same or near frequency of operation.

FREQUENCY METHOD: When you make your first list of territory stations, it will almost likely be given by frequency say starting at 540 or so and ending with 1600. So, TARGET and log them as listed.

LRC METHOD: List stations by Local (L) channels in increasing order of frequency and similarly for Regional (R) channels and Clear (C) channels. Ordering on same frequencies can be by one of the submethods listed above. Targets follow the sequential listing with one L one R and one C as a target triplet for example. LRC can be used as a submethod to others above.

There are numerous other methods that can be conceived. One final one will be described. It is a modified version of the frequency method which shall be called

**DIAL METHOD:** The target stations are more evenly distributed across the BCB dial. For the sake of illustration suppose the frequency list appeared as below (fictitious calls) listed under each frequency according to increasing distance from the RX.

540	550	1590	1600	
WBXB	KLMO	...	WLBW	KTOC
WLBR	KGGG	...	WL0T	WKIN
WABX	...	...	WNYL	KGS
			WONS	
			WIMA	

Then, the first set of targets consists of the first row of calls, namely: 540WBXB, 550KLMO, ..., 1590WLBW and 1600KTOC. When all these calls are logged, the next row becomes the list of target stations: 540 WLBR, 550KGGG, ..., 1590WLOT and 1600 WKIN. The third list would not have any station at 550 since only two such stations are listed on that frequency for the entire territory. The DIAL method thus contains a greater number of frequencies at the start of each row or run of targets and so allows a better sampling of the entire BCB. No fair starting on next row until present row is completely logged.

It should be obvious that ANY station logged while after a target station certainly counts in the log of BCB DX!

One final observation: Most of any territory stations will be in the daytime classification and so territory BCB at night would leave many target stations silent and your back to the BCB roulette scheme. The obvious solution is to make a night territory list as well and sufficient time after sunset and before sunrise, use the night list--same territory however. In any case, try geometrical-territory BCB, the results will be rewarding and the challenge serendipitous! All I can wish you is the best of luck -- you'll need it! -- de Ghoti

## CLIPPING CORNER

The Daily Review - Hayward, Calif.  
Saturday, January 4, 1973

# Radio thriller series is a hit

NEW YORK (AP) — Last January, the CBS Radio network, harkening to an era of radio many thought had died, began a seven-night-a-week thriller series with a show aptly called, "The Old Ones Are Hard to Kill."

Monday, the "CBS Radio Mystery Theater" will commence its second year on the air with "The Premature Burial" starring actor Keir Dullea in the first of seven Edgar Allen Poe stories to be dramatized that week.

"As far as I am concerned, this series is something that's going to go on and on and be bigger and better than ever," says Sam Cook Digges, president of the CBS Radio division.

It was Digges who provided the impetus for getting the 54-minute nightly series on the air last year, following a series of talks with veteran radio pro-

ducer Hy Brown, who still produces the show.

Digges chuckled when asked if there was any point during the series' first few months on the air when he felt he might have made a mistake. "Nope," he said. "Once we got the thing on the air and got the kind of response we did from our stations and listeners, we knew we had a hit on our hands."

CBS Radio officials say the program currently is carried on 221 stations, 30 of which aren't CBS affiliates. They say that's approximately the same number that carried the show at the start.

Digges, who said veteran actor E. G. Marshall would continue hosting the series next

year, said there wouldn't be many changes in the basic format of the show. "We'll again do 195 new shows and 170 repeats, just as we did this year," he said. "I

think you may see a few more detective stories worked in next year, but in general terms it'll go along pretty much as it has in the past."

1360 KHZ  
MEDIUM WAVE  
482 MHz  
SHORT WAVE  
60 METERS

**LA VOZ  
EVANGELICA  
DE HONDURAS**

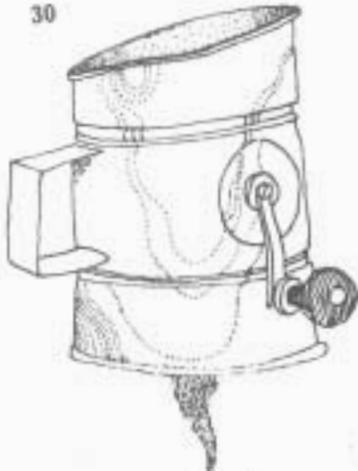


## Construction Permits +o Change Facilities:

680	KBMR-ND	Change ANT/XR location 5 miles North of Bismarck
850	KEYH-TX	Install lkw, D3 XR for AUX. purposes
860	WHR7-AL	Install new AUX. XR
920	WOKY-WI	Change ANT/XR/LOCATION to 12100 W. Howard Avenue, Milwaukee or Greenfield (both listed)
1060	KGFX-SD	Add nighttime operation and XR
1100	KFAX-CA	Install new XR (AUX) and operate by remote control
1150	KVIL-TX	Install new alt. main XR and operate by remote control.
1230	KRIZ-AZ	Increase ANT height +o 475 feet.
1250	WGUY-ME	Change ANT/XR site
1260	WIXY-OH	New night site and night DA
	WMUU-SC	Change main studio location to Altamont Road atop Paris Mt. and operate XR by remote control.
1270	KBAM-WA	Install new AUX. XR with D1 1000 and operate by remote control.
1340	KWOR-WY	Change ANT/XR/STUDIO to 850' west of Big Horn River at US Hwy 20, Worland.
1370	WELV-NY	Install new AUX. XR and operate by remote control.
1390	KCBC-IA	Operate XR by remote control and change main studio location to 6967 University.
1460	KDON-CA	Install new AUX. XR and operate by remote control.
	WCLS-MS	CP to reduce power and change to D1 operation. XR/STUDIO to 4510 Shortcut Road, Pascagoula.
1490	WIKC-LA	Change radiator to folded unipole and change to shunt exciter.
1500	WIAF-GA	CP completion date extended to 5-21-75
1520	WRGI-FL	CP completion date extended to 3-4-75
1530	WPNO-ME	Increase power, change XR and XR location to Minot Avenue.
	KPCR-MO	Increase tower height and side-mount FM antenna
1540	WKYK-NC	Change XR/ANT/main STUDIO location to East Main St., Burnsville.
1570	WTLK-NC	Change ANT/XR site

This section used to appear in DXDD and is presented as part of the Updater Section. These stations will probably be conducting E/Ts in the near future.





*Sift  
Through  
This*

### THE THIRD VOLUME OF THE IRCA FOREIGN LOG

- \* Contains all reports of foreign broadcast stations made to "DX Worldwide," the foreign column of DX MONITOR, the magazine of the International Radio Club of America. Includes frequencies, times heard, slogans, interference, and program details.
- \* Geomagnetic indices for 1973-74 season.
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## *YAD Partytime!*

Well, kiddies, it's that time again! The YAD (Youngstown Area DXers) Party is at hand, or mouth as the case may be. If you attended the last one you know what to expect. The last YAD attracted more DXers than the Convention that year. Plenty of free brew, pop, etc. Much DX yak, verie viewing, general partying and mayhem. Over 50 NRCers lived thru the last one with few long lasting ill effects.

### PROBLEM: WHEN TO HAVE IT?

Two weekends are possible. March 28-29-30 which is the Easter weekend or April 11-12-13. The March dates leave you an extra day for returning home since the 31st is a holiday Monday but the weather here is unpredictable in March, we have been known to have much snow around March and traveling is a potential problem. The April date should have no weather problems but some people may not be able to fit it into a regular weekend. SOLUTION: Anybody who thinks they might be able to attend, please write and say which weekend is better for you. The majority will rule. Ain't democracy wonderful?

Again, the YAD will be held at Jerry Starr's abode in beautiful Hubbard Forest, just five minutes from Interstate 80/76. A map will appear soon. If you like to talk or party all night, DX, talk DX, shoot pool, play cards, fall down or whatever, YAD will have it all. See firsthand the key to the infamous 800 code!

### ACCOMODATIONS:

Due to limited space, we can accept only a few people who might like to sleep during the YAD. But, within a 10 minute drive there are Holiday Inn, Ramada, Days Inn, LK and Howard Johnson motor inns. We reccommend the Days Inn which is brand new and cheap, under \$10 a night for single, even better if you bunk with a buddy. There is some available floor space here if you have a sleeping bag and don't mind people stepping, falling or passing out on you. If you can't afford a motel, let us know, sleeping spaces at the house on a first-come, first-served basis.

### WHO'S INVITED?

ALL DXERS, ALL CLUBS. Last time we had DXers from 16 states and 2 provinces from both clubs.

### ATTRACTIONS:

Come and see ELK do his Evel Kneivel trick by jumping the ditch with his car. See the living room rug set on fire again. See Wes Boyd fall down the basement steps. See JS fall UP the basement steps. See RJE lose miserably at cards again. Be the first to ride the dryer. Hike in the woods and try to find the lost beverage antenna. Be a doorknob. Sample some Rolling Rock. Try to remember your name.

JUST REMEMBER: PLEASE WRITE AS SOON AS POSSIBLE AND LET US KNOW IF YOU CAN COME AND WHICH WEEKEND IS BEST! WE'LL MAKE THE FINAL DECISION IN ABOUT TWO WEEKS. MORE DETAILS SOON IN D.X.N. FUST!

FLOORSHOW: We will attempt to have an actual DDXD editing and typing session during YAD. See how a real DDXD is put together and wonder how it ever gets into print.

Jerry Starr  
196 Fox Street  
Hubbard, OH 44425

# musings of the members

editor Ernest R. Cooper  
7A Washington Ave., Apt. 7  
Provincetown, MA 02657

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

DAVE SCHMIDT - 42 Chelwynne Road - Castle Hills - New Castle, Delaware - 19720  
Big news here is that WPEN is off. They bit the dust on 1/6 at 11:59am, and are expected to be off about three months, so 950 is wide open. DX: 12/30- WJBE-1430 ET 2:35-2:56am w/Soul mx, very loud here. WVVX-1430-TEST 2:17-2:29, loud. It sounded as if WIRE/CKFH were off. WJJ-950 4:51-5:01pm w/"WX-Time" stuff, WPENulled. 1/2- CFCH-600 4:53-4:59pm w/MOR/rr; WIAQ-580 4:28-4:53pm smashing WHP. 1/4- WTYM-1600 4:39-4:45pm w/good mx; WJSC-1590 5:31-5:42pm w/rr, strong. 1/6- WCOM-860-TEST 2:44-2:55am w/TT - amazing signal for 250w as they pushed the meter all the way over. 1/8- WBOO-940 7:14-7:19am before WPNC pattern switch. WVVW-950 6:55-7:12am w/rr, local NX, sports, etc. With WPEN off, daytime regulars appear to be WXGI & WRYT. WXGI is worth hearing, noted one AM with "The Country Store, with Pops, the Store Keeper", c/w mx. WRYT is mostly religion & talk. Heard on 950 have been: WKLM, WKIS, WSPA, plus regular reports WLOF, WBEF, WJW, WKAZ. It should prove interesting. Only verie back is a v/1 from WRMT-1490 - thanks, Bill! Also WAVE-970, v/q. With the current unemployment trend, it should be interesting to see how many of the smaller market stations drop AN operations. Where the people aren't working, the money doesn't get spent on merchandise; merchants can't afford to advertise, radio stations don't get the advertising. Unless some nut keeps the station going for nothing, knowing some of these DJs, they might work for nothing! By the way, I've had it out with the electric company again, and the line noise problem has been solved for good, as no noise has been noted since 12/31 when they replaced the hardware on the lines at the private school in back of our house. It's amazing what a little pressure can do. 73. (Looks like the pressure's all yours, Dave! -ERC)

KEN ONYSCHUK - 14031 Stewart - Riverdale, Illinois - 60627  
Happy New Year to all. 1/1- I didn't hear c/w on 67q @ 10:40am, but MoR instead. So I gave WMAQ a call to find out for sure when the switch was on. The PD told me Wed. 1/15. The projected DJ lineup is this; Temporary 6-10am DJ, Lee Sherwood, the station's PD. His competition will be only WGN's Wally Phillips; WLS' Fred Winston; WIND's Bob Del Giorno, & WCFL's Dick Sainte and Doug Dahlgren. The rest of the lineup: 10am-3pm: Ex-WJJD's Bill Coffey; 3-7pm, Corky Mayberry; 7-midnight, unannounced (as of 1/8) female DJ - Queen of C/w, & finally Larry (The Legend) Johnson from 12-6. It will be one of three c/w powerhouses in the Midwest along w/WHO-140 & KXEL-1540. SP will remain 2:05-6am MM. Only female Chicago DJ is Connie Szerzen of WIND. My only DX activity of late is f/c 1/5, KDII-1380 Ia. & WGRY-1590, Mich. on 1/4. Fishing for KURV-710 first Sat. I heard WQBX Va. testing 1:10-1:15am, #4 on 710 for me. Congrats to N.J. for an excellent job on each bulletin & all contributors - a real devotion to a great hobby. 73.

MARC DeLORENZO - Box 722 - Centerville, Massachusetts - 02632  
Bonjour. CX have been very good to the S of late. MM 12/30- WMEL-920 Fla. fair o/u CKCY w/rr 12:51; HJQZ-1580 R. Principe strong w/rr, YL, 1:10; KKJO-1550 Mo. weak w/rr 2:40, apparently ET; WRGJ-1560 P.R. "R. San Juan" weak in Cuban null @ 3; TVMV-1150 "Ondas del Caribe" dominant, nearly gone 3:43; WLOF-950 Fla. atop w/rr 4:08, strong; HIAW-690 "R. Guarachita" good u/Cuban, 4:30. 12/31- WSSA-1570 Ga. atop w/state NX 5:27pm; WKIG-1580 Ga. atop jumble @ 5:30 s/off; new WOKI-1550 Tenn. battling CBE w/rr 5:40-5:49 s/off (19 minutes late); WMOO-1550 Ala. fair o/CBE @ 6 s/off. 1/8- CX exceptional to the S: WFWC-1530 Va. atop @ 5:16 s/off, folo by WREX-1530 N.C. very loud 5 18-5:30 s/off; WISC-1570 S.C. atop jumble 5:31 s/off; new WGTW-1580 Mt. Dora, Fla. barely atop 5:45 s/off; is 5kw; WFWB-1570 Fla. good w/Calendar 5:50; WAAY-1550 Ala. briefly atop w/rr 6pm, then apparent power cut - first time heard @ SSS. 1/10- WYNX-1550 Ga. strong w/ET/TT/OC 3:18-3:26am. I agree with ERC - Aurora is nice!

JEFF FALCONER - Box 63 - Clinton, Ontario - NOM - 110

Howdy! DX is great w/53 new ones in Dec. & 26 in first week of Jan.! I have plenty of time to DX as I'm off work for two months w/a broken arm. So that gives me a chance to DX more in the early morning hours. Some of my better DX: 1/2- TA opening w/Italy-1578 in strong @ 1:50am & Beromunster-1562 in w/cl mx, 1:40. Also f/cs: WTCO-1450 weak @ 3:40am; WSVL-1520 @ 3:50 u/WKBW. WLSI-900 strong in CBML null @ 4:30. This AM I also heard my first LPRT - I'm sure it was CBFI-990 // -CBF-690 in FF. Only other choice would be CBFB which seems too far E for loop bearing I got. On MM 1/6 some more TAs on what seemed to be a high band opening w/hets on 1594, 1466, 1457, 1502. Audio on 1594, 1586 1562, 1439, w/two new ones in Luxembourg-1430 breaking through w/GG talk @ 1:13am & France-1376 in w/FF talk program @ 1:25. Also two TESTS heard: WMLO-1570 in w/ID @ 2:04am, weak u/CKLM. WCOM-860 w/TT & IDs @ 2:50. 1/8- 12:30am, WBUK-1560 in clear ending ET. 1:50, WCRV-1580 also ending ET w/strong signal u/WPGC who was also on ET. The other day after reading an article by Mike Levintov on nulling stations w/two loops, I decided to give it a try. Instead of using an SM-1 & air core box loop, I used an SM-1 & an SM-2 & got some interesting results. Using this system I was able to null out CFCC-630 and hear CKAR clearly. On 800 I nulled out CKLW & got CJBQ weakly. I also heard someone u/local CKNX but was too weak. I haven't had much of a chance to use this system yet, however it will provide interesting results in the future. Some veries: v/q- WBEL, WSMI, CKEC. v/l- WATW, WCAZ. v/f- WLW, CHUM. 73s & best of DX in '75. (I give uo, Jeff - how do you tune the FX & two SM antennas with ONE arm? -ERC)

MARC FISHER - 640 West 239 Street - The Bronx, New York - 10463 - Apt. 2F  
Greetings! I'm a new member and new to BCB. I am 16 & have been DXing SW for five years. I am the Executive Editor of SWL News, the publication of SWL International in Montreal. Might as well give a plug: 4359 Delorimier Ave., Montreal Que. H2H 2E3, or here. I also belong to SPEDX. I hold this membership in cooperation with my school radio club (Horace Mann Radio Club) of which I am vice-president in charge of SW & BCB DX. The club is 40% ham, 40% SW, 20% BCB. I met several NRCers while on last year's ANARC Convention Committee & have been Paul Mount, Jeff Hambright, & Rick Shaftan at MAD-men meets. Next is 1/19, then one in mid-April! As I am but a mere beginner, I have received 95 BCB stations. What's a good but cheap antenna for a Hallicrafters S-214 and/or for a stereo (Sherwood)? Also, does anyone know what a "Russell Antenna Booster" is and does? WQXR-1560 heard here on 550 - what gives? WNBC-660 is going format crazy. 12/26 they went all-request (operators on duty 24 hours). 1/1, they dropped that & came up w/"WNBC- Your Great Escape", complete w/promos saying, "Every N.Y.C. station caters to the under-35 group w/Top 40 or to the over-50 group w/allNX, all-talk, or EL. WNBC will now speak to that neglected 35-50 group." As far as I can tell, it's some Top 40 mixed w/selected oldies (1945-1965). They've pulled out all their jingles from the last ten years & they're using 'em all over the place. Also, the WNCN Listeners' Guild is filing suit vs. all-rr WQIV-104.3 & has its own show on listener-sponsored WBAI-99.5, Pacifica. That's all from here, 73s & good DX. (Welcome to the NRC, Marc! Nice to have another New Yorker with us! Muse often! -ERC)

HAL WEEDEN - 1008 17th Avenue - West Belmar, New Jersey - 07719  
This is my first Muse. I am 14 & a freshman on split sessions in high school. I have been DXing for about a year, but due to school, I haven't got many stations. I have 178 heard & 75 verified. This morning (1/9) I had WBCS-1550 in @ 8am & still @ 10 w/QRM from WRCP & WQXR. With both New York and Philadelphia in a 60 mile radius, there's a lot of blocked channels. West Belmar is about six blocks from the ocean - nearest local is WJLK-1310. 1/8- I got a card from WABC giving an XR loc tion of 40° 52' 50" N, 79° 04' 12" W. That's around Johnstown, Pa.! I use a transistorized RX & would like help with an antenna. Thomas Ogley had this problem in DX NEWS #11. 73s. ERC, congrats & good luck in retirement. (Thanks, Hal, & welcome to the NRC! That should be a great DX location! Let's hear about your catches often! -ERC)

WE'RE LOOKING FOR MORE & MORE MUSINGS, GANG. BUT - LET'S KEEP THEM ON THE SUBJECT THE N.R.C. WAS FORMED TO FOLLOW - DX! TELL US WHAT YOU HEARD, BY DATE, TIME, CALLS & FREQUENCY. THIS SORT OF INFO IS OF IMMENSE HELP TO OTHER NRC-ERS!

WARREN POWIS - 3 Warrington Greve. - Wellington 4, New Zealand  
 Greetings to all NRC members from New Zealand. I hope this Muse and future installments will be of interest to DX NEWS readers. My RX is an Edystone 740 w/a standard antenna of 100 ft., due NW. However I do have access to Edystone 940s with 600' antennas. Recent reports have gone out to CFUN-1410, KNNDI-1270, KAIM-870, JOGB-870, JOER-1350, KATZ-1600, KRMF-740, WKLE-1385 & KDAY-1580. Recent veries are 4BK-1300, 2LT-1270 (who state they will increase power to 2kw from 500w around May 1975), JOUB-770, KPOT-1480, WLW-700. CX here on 1/2 were shocking with only KOB-770 & KDAY-1580 heard. CX on 1/4 were good w/openings from KV00-1170, KRMG-740, WEZ-1030 (almost local!), KFBK-1530, XERF-1570, KDAY-1580, KATZ-1600 XEROK-800, & KJ-Radio, KJJJ-910. A session on 12/19 resulted in seven Japanese and many Hawaiian stations being heard. Total number of veries is a mere 220 from 18 countries (assuming Hawaii separate to mainland U.S.A.) w/41 veries from 21 mainland states, & three veries from two Canadian provinces. Best wishes to all for 1975, especially to those who produce this fine magazine! (Welcome to DX NEWS, Warren! Please Muse often! -ERC)

BRUCE WINKELMAN - 600 East McDonald Avenue - Man, West Virginia - 25635  
 Greetings from beautiful downtown Man! I haven't checked in with a Muse in a long time so I figure it's about time. First, a re-intro: I'm 24 years old, married, & work as a pharmacist at the local hospital. I have been a member of NRC for six years & loved every minute of it. My present RX is an Allied A-2515 w/an SM-1 but that will change by the time this is in print. I'm getting an HQ-180A through the DX-Change column & I can't wait to get my hands on the dials. I've had my heart set on one since I joined the NRC & heard all the good things others have said about the rig. DX here has been hampered by 1) work sked, & 2) very bad HNL due to proximity of POWER LINES AND transformers but my totals in the 1 1/2 years at this location stand at 566 heard. #500 was WATH-970 on 6/7/74. Recent DX: 12/29- KWOC-930 1:33am w/ads & c/w; WVOC-1080 5:16pm w/ID, into nice MoR - I finally got him after trying all last season. 1/5- WIXC-1140 w/ads & mx w/WRVA 5:16pm; WPUP-1190 w/NX & PSA o/all @ 5:35pm. 1/10- WPTX-920 s/off 12:11am, no SSB heard; WGOV-1150 w/ET/TT/mx 12:32-1am requesting reports; KOMO-810 w/ID w/WKGG 5:35pm; WNYC-830 w/traffic reports, ski CX, & ads 5:47pm; KOAM-860 w/ads into NBC NX/ID at very good level, 6pm. Congrats, ERC, on your retirement. May all your MMs be full of DX! 73s to all.

ERIC FADER - 23-35 Bell Boulevard - Bayside, New York - 11360  
 Thanks to the many who've welcomed me to the NRC (one, two, hi). Here again is a genuine Phadz Musing, for the entertainment & criticism of one & all. Shafan claims he has a bad location, & he can rattle off a number of stations within ten miles of him, but I have all-water paths to WCBS & WNBC, both within a couple of miles away. I hear WNBC from 610-730 inclusive, & WCBS-880 from 840-990, w/brief interludes of WPAT & WWDJ, & hets & whistles to complicate things. These two stations account for over 50 spurs before I even break out the stuff like WABC-1160 & 1230. I'm still "loopless" besides. And I have Chem Lab MMs @ 8am. I assume RJE's comments of 1/6 were in part addressed to me because I made mention of "combined N.Y./Fla." totals. Well, let it be known that I referred to "combined" totals as a point of information only. I do in fact have separate N.Y. & Fla. & Bahamas totals but do not think that such areas as Miami Beach & Freeport necessitate the same divisions, for the following reasons: I am on vacation maybe two weeks per year, & the effort involved in making separate logs is not worth it; & we can't overestimate the importance of that all-inclusive statement "who cares?" I personally can think of better things to do than to sit around & knock down other people's methods of record-keeping. And that is what a log is for - a means of keeping a record, and not just to be able to flaunt your ten or 20 year totals in the faces of others, who may be honest and well-meaning although they set different guidelines for themselves. I will not & cannot compete with the former! And I have yet to meet the "supreme being" who can convince me that the guidelines I set for MYSELF are at least not in the DX field wrong, just as I have never attempted to reform the standards of anyone else when it comes to personal achievement. Discussion invited. I sort of crowded myself out of a DX report, so next week will see two weeks' worth! - 73s.

PLEASE FILL THIS SECTION WITH YOUR MUSINGS, LADS! LET US KNOW WHAT YOU ARE DXING, DAY BY DAY, BY CALLS AND FREQUENCY AND TIME, IN E.S.T., A.M. & P.M. DOUBLE SPACE!

RAY ARRUDA - 6 Wilbur Avenue - North Dartmouth, Massachusetts - 02747

I picked up a copy of CH 1975 and read the articles by GH & TRS. Both articles were excellent - nice going. TRS: Your article on MW DXing is very thorough & a good source for the beginning DXer. Dave Schmidt: Could your FF-1220 be CJSS? If WSLT TEST was on, whom did I hear on 12/16 u/WKWB 3:14 to 3:50am? Any help from N.J. area? Six new stations for the log: WEAB, WAJR, WILL, WCAZ, WHA, & WCSI. One verie: v/q from CENM-740. Some results of my latest DX: 1/11- 2:15am, I got up to try for KWED TEST but not heard here. MM 1/13 - Out of seven sked TESTS, four were heard. The ones not heard were WIVS, WITY, & WISN. WIVS might have been on but the only thing heard from 2-2:15 was TT w/ no voice IDs or announcements. TESTS were heard from WAJR, WCSI, WILL, & WHA, & all reported. Details appear elsewhere in the bulletin. Tues. Jan 1/14: I dozed off about an hour before WESO TEST & never woke up, missing out on a chance for needed KWOB also. Good to see WHDH off MMs now - that's a break for us here in the E. A hearty welcome to all those who have recently joined IRCA & NRC, the ranks of the elite! 73.

JOSEPH FEIA - 150 Robert Street - South Plainfield, New Jersey - 07080

Greetings. Recent veries: WAVS-1190 (v/1), CKTB-610 (v/q) & WGAC-580 (v/r). No verie from WFIA yet. Recent DX: 1/2- 5:01pm, WSNE-1170 w/NX, ID, PSA (formerly verified on 1410 so unnn, though); 5:14, WGMF-590 w/NX, SID, & ads; 5:21, WJIS-560 almost equal to local (WJIS w/Country Countdown 1974; 5:35 WGAC -580 who wasn't heard on the TEST) fair, o/WCHS w/no .HP, w/NX w/YL NXcaster, then c/w. 5:47, KOTA-1030 w/religion o/WEZ - isn't this extremely early for KOTA? 6, WKRT-920 w/AM\*FM ID in passing - first time heard on RX; 6:30, SSB-1560 almost equal to WQXR - this KQYX? 1/3- 5:20pm, WLBB-1100 actually o/WWE for ten minutes q/NX, ad for Peoples Bank of Carrolton, obituaries, etc. 5:32, WSJC-810 at least equal to WGY w/rr, UPI NX @ 6. 5:39, WKKO-860 fair w/ads, SID; 5:43, WMOF-900 s/off again. 6, WGAZ-910 w/ID, then NBC NX o/all; 6:02, WMPB-680 so-so ending NX ("BC Service of Plough" -yeech) & going into rr. 1/6- 1am, TRS all over the place but that ain't my bag. 1:30, Vatican-1520 o/s-9 w/apparent IS (church bells) & ID - couldn't miss that! 1:36, WNDP-1150 ending ER; 2:03, WALO-1570 TEST w/a strong of code IDs (in various pitches of TT) & partial voice ID; 2:46, WGMF-860 TEST fairly good - I believe Soul tester that preceded it was only WAMO (didn't ID); 3:05, one of the Floridians on 1380 AM but which? Sounded kind weak for WLKY. I believe rr, what's WDAT? (Dat's right, Joe, hi -ERC) 1/8- 5:14pm s/off on 950 w/Aloha - this WKGI (unn) or something better? 5:29 s/off WHPY-1590 extremely strong per Schmidt tip; 5:30 s/off WREX-1530; 5:40-5:46 s/off WQIK-1090 finally! (now for WIVY-1280, hi) w/c/w. WBAI unusually weak & fady. 5:47 s/off WAUG-1050. 5 49, WMRG-930 w/ID mentioning their c/w format - must have been my UNID of 1/3 (that sent to Wes); 5:51-6:01 pattern change WGOV-990 extremely strong w/Soul; 6:15 s/off WQNA-1570 in the clear; 6L20 no doubt KOKA-1550 w/Soul (I believe I heard references to Shreveport) but I couldn't pull an ID. The various spurs on 680 & 740 from WOR-710 are now being heard down her too, S-9. Regardless of their cause, I wouldn't expect any relief. WOR, when in Carteret, did the same for years. If it was ignored then by all parties, I would expect the same treatment now. 73.

WAYNE MURPHY - 1411 Phyllis Avenue - Louisville, Kentucky - 40215

DX continues good. I finished Dec. w/65m & have logged 44 already in Jan. after ten days. I finally got my first TA, WBR-1586 @ 1:30am 1/6, arm-chair reception level. If this is how goodthey can come in, I see why everyone's complaining about it being such a rotten TA year. Domestic DX has been pretty good though, with my only complaint being all those AN IAs which prevent many a good WC catch on MM. I just purchased a large supply of old DX NEWSs ('68-'69) for \$2, & an even larger supply of DX Monitors ('67-'73) from Jim Neill. This has given me a chance to brush up on a little of the history, albeit recent, of the two clubs. I must echo Dan Phillips' comments about so many members losing interest & dropping out from year to year. Few of the members from '69 are still actively contributing to the Club, including practically the entire EPC. DXers also seem to be one of the most mobile groups of people around, due in part I guess to the large number of college students commuting between home & school, & members in the broadcasting industry, which, to say the least, is unstable. Speaking of old (former, hi) DXers, I was recently in contact with former NRCer Dave White. Dave was working in the NX department of WKLO here this Summer, but when we tried to get a hold of him we found he is now NKD of WKCE, Huntington, W.

(Murphy)

Va. I wrote him requesting a DX TEST & asked him if he had done any DXing. Apparently he hasn't, but he did say he would contact the CE about running a TEST. I'm keeping my fingers crossed because I still need them. Best wishes for all in the New Year. 73.

CHRIS LUCAS - 22 Morris Street - Danbury, Connecticut - 06810

It's been a light week DX-wise; all DXing done MM & following SSS. Seventeen new loggings, total now 399. 1/12- R. Paradise-1265 @ 10:13pm, WSYR-570 N.Y. @ 11:24pm, WAFM-590 Pa. @ 11:55 s/off. MM 1/13 I noted unnn WAAB s/off 12, unnn WBAB ET/TT beginning @ 12:02, no-go on WAJR TEST. WNNB-1230 Mass. 12:57 am, WKBO-1230 Pa. @ 1:05, WCST-1010-TEST @ 1:26 u/CFRB, WINSoff, QFM from unID SS. WRC-980 @ 2, CFPL-980 @ 2:15 as I tried hard for WITY but nothing heard. WILL-580-TEST briefly 2:26am, mucho TVI w/CFRA looped. 850 was completely wiped out by TVI, so no go on WIMS TEST. WAMO-860 Pa. ET/mx @ 2:37am. Strong TVI off @ 2:55. I heard something unID on 850, don't know who. After 3, just SS there. I gave token try for WGSN-1130, nothing at all noted u/WNEW. WHA-970 TEST in well @ times from 3:03-3:40, some of 434w PDA as better than some of the full power operation. CHWO-1250 Ont. @ 3:56am. I noted unnn WPOR-1490 w/AN FM c/w simulcast w/DJ "Al Night" see-sawing w/unnn WBCB. WMID-1340 N.J. @ 4:08, then I went to bed. SSS- plagued w/TVI again on kind of Auroral evening, most good DX wiped out by the QRM. I settled for WREO-970 O @ 4:36pm, surprising WSLT-1520 N.J. @ 4:59 (just about never heard in Fairfield @ SSS), WKBR-1250 N.H. @ 5:35pm, & I noted unnn WRHC-1550 Fla. s/off @ 5:45, then WYOU-1550 Fla. @ 5:48 faded in just as WRHC left. While typing this, #400 from Danbury logged in WDEL-1150 Del. @ 10:39 pm. A reminder than I will be running a DX TEST from WPUT-1510 MM 2/10 2-3am, mostly pop mx, maybe some marches. Around middle of the hour I will try 50w & 4/2w PSAs. If anyone hears us on 4/2w, I'll die, hi. WMEX has promised a stand-by for our TEST. Of course all accurate reports w/return postage will be verified. A tip of the hat to Jim Pogue for those five TESTS 1/6 & 1/13. Three out of five heard here. I was a bit disturbed to see someone log "WTOR"-610 recently. Obviously the call was never heard by this DXer, as the station has been WSWG for a year or more! In logging a station, I first & foremost require that I hear the call letters, & if a congested channel I like to hear some mention of local towns to be certain I have the right station. Out of room. 73.

RICK SHAFMAN - 60 Gramercy Park - New York, New York - 10010 212-OR407542

DX: 1/11- WCHE-1520 @ 3:10pm. WYTI-1570 rr, tentative @ 5:22pm. WSRF-1580 heard @ 5:35. 1/12--2:45pm, WSM-650, WMAQ-670, WGN-720, all coming in. 5:35pm, WRQC-910. MM 1/13- WAJR heard @ 12:43 s/on, also heard on 500w o/unID TT. WCST-1010-TEST heard, they had call from Parsippany. UnID-1490 sounding like WBCU @ 1:49am. Tentative, WPOR-1490 @ 2:45 w/WX. I heard WUSS-1490. WONE-980 2:18am tentative, rr; WNJR off MMs 1/6 & 1/13. WHA-970-TEST heard @ 3:06, another call from Parsippany. Three unIDs on 1460 - 3:23, one w/piano mx, a TTer, and an MoR. WJNO-1230 atop 1/14 AM, also WINF in there. → What does RJE mean w/ieh he says DXpeditions are "an attempt to circumvent the normal procedures of DX"? Maybe the "silent majority" those of us who are in big cities or in XR havens, etc. could explain to those who are fortunate to be in decent DX locations the abnormal blockage angles here. I've also got thousands of mv/m aimed right at me (being in the prime target area), extremely HNL (one, started a few weeks ago, knocks out DX on the lower half of the band) etc. ad nauseum. DXing is supposed to be a fun hobby & putting such emphasis on this takes the "fun" out of it & makes it competition! I have enough competition in school 35 hours a week & I DX to get away from that. The Finns often take DXpeditions to the N of Finland where CX are 99% different! They count it & I don't go that far. If I want to count stuff heard at nearby locations then it is a fun facet of the hobby to hear what DX is like at these locations. If anyone has any objections to what the Finns do who not write the SDXK in Helsinki! Personally, I only compare w/ FIM & EDF. The only reason I list totals is so anyone else can company me. ERC & EDF who DXed in similar areas can't compare as ERC has DXed since 1932 & now uses an HQ-180 w/an SM while EDF uses a "budget" FX! FIM in Teaneck w/a small portable can't compare w/a DXer, say in Iowa, who uses the same equipment but is 50 miles from the nearest XR. Bob F. doesn't even keep totals, thinking it ridiculous. When I DX portable, I use my Philips IC, & not my HQ-140X. I feel (besides being ridiculous) it's one way to "even the score". Yes, GX is "girls".

JOHN A. CALLARMAN - 1122 Maple Street - Mount Vernon, Illinois - 62864

12/29- I taped 1430 between 12:50 & 1:50, & was able to ID three stations in the jumble - AN WIRE, WVVX-TEST, & WJBE in Knoxville, on unsked ET. WVVX IDs were heard only at 2:14 & 2:16. WJBE appeared to open @ 2:19 and dominated the channel from then on. On 1420 between 2:02 & 3:02, presumed WHK was quite weak & KTJS was an easy catch w/an engineer who was tickled to put phone calls from such as Jim Pogue, Robert Kramer, Karl Forth, & Roger Winsor on the air. On at precise times slated, 2:30-3. (CST? -ERC) An SS that I couldn't ID was also heard. 12/30, I taped CKIM NX & Northern messages @ 10:07 in XEX null. I set tape 12/31 to 730 between 4:40 & 5:40 & heard HJCU, Bogota, R. Melodia, w/ rancho & nortena mx, saying "Mexico en Colombia", dominating XEX AN for most of the period. Anyone who lists HJCU as playing typical Colombian mx (as I have seen some do) has a tin ear problem. He'd call Strauss waltzes typical U.S. mx. XEX was playing old U.S. standards & an informal "greetings" type show. Another SS was there, too, giving time checks EST plus one, but I couldn't extract an ID. (Probably Cuban). 1/1 - I got good tape of WHNC-890 @ 5:14 s/off, cold, no an-then. I found WJTL-970 well in WWL well in WWL w/announcement starting @ 5:25½ so they could close out with Perry Como's "The Lord's Prayer". After WJTL went off, WHCU could be heard w/female NXcaster, lots of local NX, & the tape machine off when she said "WHCU NX" so nothing to count. By 6pm, WWL could no longer be null. MoR station u/WHCU was interesting, possibly old friend KJIM, but no evidence. KGYN-1210 disappeared when directional pattern went on @ 6:58:52, so no ID was obtained. Good signal before in WCAU null, dead after. Strange an-then heard on 1210 to close @ 7:01:55, then no modulation & apparently carrier cut. Interesting. I owe letters, particularly to Kentucky DXers. My heart's in the right place. (I thought it was supposed to be on the left?? -ERC)

PAUL MOUNT - 471 Emerson Avenue - Teaneck, New Jersey - 07666

As the questions regarding totals continue I feel I should now further introduce myself. Besides DXing, a hobby of mine is riding my bicycle, which was for six years a Schwimm Typhoon one speed. In the radio area, I'm into air checks of rrs, SCs (why I needed the BBs was for my survey) Cms, stickers, & shorts. Plus I like the "top-40" mx & am known to often have a radio w/me. I also like that radio to get some DX for me, simple stuff like WPOP/WKBW, which is why I buy so many Panasonic portables. It's helpful to have something small to take on a bike ride. I'm not interested in DXing that much, so I've spent my money on a bicycle (Paris Sport 500) & AM/FM cassette (Panasonic RQ-446S), o/\$250 which could have gotten me some good equipment, but I'm not that interested. On Summer vacations I like to make lists of daytime reception & compare w/others' lists. I've noticed some stations will be louder outside my house than inside (WLIX for example). Back in 10/73 I wanted to fet a list from the Teaneck area. My first idea was to sit in the yard but realized there'd be noise from people, cars, etc. Then I thought of Oradell Reservoir in Haworth, because it's very quiet & peaceful there & I like to ride there even without a radio. So I went there to find a quiet place, not to be away from NYC XRs. I have gone to other places but wouldn't if I didn't like riding. I go to various places to get a reception list, not for the purpose of hearing a certain station(s), because I don't know if I'm going to get anything different. The reason I don't go S in my rides (which happens to be towards the XRs) is there are too many highways that way. I do count stations heard in the 25-mile range since I'm in the IRCA & for Achievement Award they allow 25 miles. I have one total for stations heard in Teaneck, & also a grand total for Teaneck & 25 mile range. The number I pay most attention to is the Teaneck total. If I really wanted to keep the range down, I may count only stuff heard at my house. If I verify a station outside of T I count it in my records w/an asterisk. Some other places easily within 25 miles I was visiting friends & dialed around - if I got a newie, I count it. Spunds sort of sneaky, hi)

PLEASE NOTE THERE WILL BE A DX NEWS BREAK FOR A WEEK FOR PRESIDENT'S DAY HOLIDAYS. TRY TO SEND IN ONLY ONE REPORT FOR THE FOLLOWING ISSUE. ALSO, PLEASE USE THESE MUSINGS TO LIST YOUR CATCHES DAY BY DAY AND BY CALLS AND FREQUENCY IN CHRONOLOGICAL ORDER - THAT IS WHAT THIS SECTION IS PRIMARILY FOR! BE SURE TO DOUBLE SPACE AND TO STICK TO 30 LINES OR LESS OF DX NEWS PRINT. USE E.S.T. THROUGHOUT, AND A.M. & P.M. TRY TO MAKE IT CONVERSATIONAL IN STYLE AS THOUGH YOU WERE TALKING TO A GROUP OF YOUR FELLOW DXERS. SEND VERIE SIGNERS IN ON A SEPERATE SHEET OF PAPER.

NEIL G. ZANK - 2445 "E" Street - Apt. 6 - Lincoln, Nebraska - 68510

Now that I am finished shoveling snow for one night I will try to shuffle notes & scraps of paper & put together my Muse. Sorry I tried to retire you from your editing job, ERC - we need a FULLTIME editor like you! TEST results: 11/25- KPUB. 12/2- WHEB. 12/5- KLFJ. 12/23- KONO. 12/30- KPJS. 1/5- WCOM, KINN. Now on the other loggings: 11/250 WWJC-840 ET w/Gospel mx & TT & I lost the time. WGY-810 5:40-5:50pm w/contest & spot for Lafayette Radio. 11/27- KXYL-920, 2:20-2:30am w/MoR & NX. 11/280 CFRN-1260 1:40-1:45am w/rr - request line & scores. 11/30- WGST-920, 1:33-1:40am w/NX, sports, WX. 12/3- KWRF-860, 1:50-1:55am f/c-TT & IDs. 12/7- CBEF-540, 6-6:15am in FF /NX & MoR. 12/11- WAMI-860, 5:02-5:11am f/c TT & ID @ three minute intervals. 12/16- WONE-1480 2:15-2:25am w/TT & several IDs. WGLB-1560 2:45-3 ET w/s/on, MoR & several IDs. 12/17- WLIL-730, s/on, NX & local spots - later topped by WPMW w/s/on, NX & like programming. 12/19- WGUN-1010 s/on, into NX folo in a bit by WMOX w/local spots & finally KAWA w/promos & NX. 12/23- WOOF-560, 3-3:06am in PoP w/TT & ID @ 3:03. KBOW-550, 3:25-3:30 ET/TT & several IDs mixing w/WSAU w/PSA & MoR. 12/24- WBIX-1010, 7:15-7:30am w/gospel mx & local spots - list to WJUN s/on @ 7:30. WCSI-1010 s/on, into Christmas mx. 12/26- WAMY-1580 s/only into c/w. 12/28- KRZI-1580 12:50-1:15am w/rr. 12/30- Nice mix of KENO & KDON-1460, 1:55-2:20am both w/rr & promos. 12/31- XKWS-960 1:55-2:10am w/FM promo, NX, & into rr. 1/1- KWPR-1270, 6:20-6:30pm w/NX & s/off. 1/2- WBAM-740, s/on w/"Good Morning, Bib Bam Country" into c/w & local spots. 1/4- WSHN-1550 2-2:10 r/c-TT & AM/FM IDs u/KKJO. 1/5- KCII-1380 r/c-TT & IDs 1:06-1:15am. KSWs-1020, r/c-TT 2-2:08am u/KDKA. KPRO-1370, 10-10:21pm w/NX & rr. 1/6- CKPT-1420 3:26-3:39am w/rr & IDs. 1/8- WPAL-730 6:30-6:50am w/Soul mx, Soul DJ & local spots. Enough - seeing this was my very last new logging anyway! Love those TESTS!

BRUCE REYNOLDS - Route 2 - Warrensburg, Missouri - 64093

1975 has opened w/rather mediocre CX here. I was up early on SM 1/5 & finally got around to logging KKA-1560 w/c/w 6:45am but no use wasting a report on them for the present. WBOL-1560 s/on @ 6:59am. MM 1/6 brought two of the sked TESTS: WCOM-860 was in u/XEMO w/TT, IDs, & mx. KINN-1270 was u/KFJZ w/rr. No sign of KFST or the others. KNOX r/c was noted as sked. Veries: v/q- KILK, WKINQ. v/CM- KALB. v/r- KRAN. v/c- WUNI. v/l- KWBC, KDWT, KCUE, KDQN, KFNF, KULY, KLFJ. KLFJ has the most overblown CM I've seen in a while. Friendly station, though. In regard to the comments on veries recently, this being a hobby in which the individual has to set a lot of his own standards, mine regarding counting veries is: I don't count it if the station just sends a CM or something that says nothing about my report (a la KPCA-TEST), but consider v/rs perfectly valid & any letter that makes some eference to my report being their station. Those are just my personal standards. Really, almost all DX reports are "worthless" regardless of their content, as most stations know where their signal goes, & they can't sell advertising on skip. However, if you keep trying over a period of years you can usually find someone at a particular station who will consider your report interesting enough to merit a reply. Verie return this season has been running just shy of 70% for me, down 7-9% from the years '66-'68. DX totals basically boil down to one's honesty in counting, as anyone can fake veries, tapes, etc. The important thing is the personal satisfaction one gains from the hobby. It's unfortunate, though, that those sending fake & incomplete reports make it tougher for everyone else to get veries. 73.

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830

12/30- CFBC topping 930 @ 2am AN show. WHDH off this AM - KOA on top to 2:10 s/off, then CKVL & Colombian on the frequency - I hope this is to be regular - might give WIVS a chance. WJBE-1430 Knoxville 2:20am, TT, ID @ 2:27, QRM from WNJR very bad, & CKFL audible. No sign of WVVX @ 3. Two FFC AN on 1400, CKFL Lac Megantic, & another stronger one, call sounded like CKNC? Also 1240 had FFC AN again this MM, still unID. 1/3- WOBR-1530 N.C. @ 5pm, then out & WREX Chapel Hill in till 5:30 s/off, QRM by WCKY & another unID. 1/6- Two FFC on 1400 again & one still sounds like CKNC. Loud ET/mx on 860 2:30am, off 2:45 & WCOM in easily for a new one w/XEMO QRM. WHDH off again so must be regular. R. Clarin on 860 by 3:30 so no KFST. 1240 FFC mentioned Larvis this AM, so I am hoping it's CFLS. WYMA-1250 noted testing along with the regular. TT noted u/WOR also at times but no ID copyable. 1/8- WVAB @ 5:04pm. WOBR-1530 @ 5:05. WCOJ-1420 over all @ 5 10pm. WMAS dominant on 1450 w/c/w - a girl DJ also u/WMAS maybe WKRI? Voice of Saba-1445 good 5:35 & an SS on 1320 @ 5:40. WYOU-1550 e/off strong @ 5:58 & WYSB-1560 easy u/WQXR @ 6. WNTN-1550 sold to Greek programmer

ERNEST R. COOPER - 7-A Washington Avenue - Provincetown, Massachusetts - 02657

"Apt. 7" is not necessary in my address, so delete it. One verie, WDAT-1380 sent v/l, day & night CMS, rate cards, and large promo book they send to potential sponsors - 60¢ postage used by them! I sent 'em one 10¢ stamp. But they're the only verie in spite of lots of reports going out. DX; 1/10- SSS gave me two w/similar calls - WSCP-1070 3:44-4:10, and WSCV-1050 o/u WWHH 4:35-4:45 s/off. Former is MoR, latter, rr. 1/11- Report to HJAT-1040, in clear & no sign of WHO this Sat. AM. I noted unu WELI-960 is AN-MoR. SM 1/12- FF noted loud on 944 @ 2:22, could this have been Toulouse? Sorta doubtful, as there were no other TAS noted, as the Aurora goes marching on - glory, glory, hallelujah! Ugh, WPAT-930 atop @ 2:50. An 730, a high TT noted, off @ 2:35, no ID caught. Then a report taken on HJAH-1070, Emisora Atlantico, strong, and maybe on about 1069k. An AN SS on 1180 in Colombia heard @ 3:42; then a Venezuelan s/on over them 3:56, no log on either - neither IDed, in fact. WDBN-1500 ETed today - they must have thought it was Monday! Then I heard Colombian NA on 1419a @ 5am, this one also went unID. Help? MM 1/13- unID SS u/WOR-710 all AM. On 1010 for WCSI TEST, but all I got was CFRB & HJCC, Emisora Mil Veinte, so a report to the Colombian. I tried first @ 2 for WITY-980, but only WONE and a Canadian AN noted for the 15 minutes I stuck it out. I then looked for WIVS-850, but only HJJC & CKVL there. WILL-580 & WKJR-1440 unu, so not tried. An unusual one caught on 1280 - R. Metropolitan, Bogota, o/u the FFCs today, so a report off to them. U/WHAM-1180 @ 3:57 came again, as on SM, the Venezuelan NA, but two minutes later, in boomed the Dominican NA, so this is weekday s/on time for R. Mil, while that country is on its DST, same as AST this year. I IDed the two SSES on 1090 - one's a Caracol Colombian, in Cucuta, & the other s/on @ 4 is on the R. Libertad, Panama chain, & was dominant by far. I need an address on this baby - anybody got it? On 1590 @ 4:42, I noted Noticias & Informa, & a nice clear ID @ 4:58 from, of all things, R. Hit Musical - then the call letters given - CMDF! 1/14- WESO-970 unu, so up for KQWB-1550 & nil. Who was TTR-940 @ 2:13 & on? 3:22, "Wabash Cannonball" tune (maybe "Big Wheel Cannonball") u/WKBW-1520, that you, Gary Siegel? 1/15- I noted unu CKCW-1220 is AN-6. WADC-1050, ex-WCEF, u/WHEB this afternoon, but not enough. 1/16- Report to WFGI-960 3:36-4:05pm, noted later much stronger on their night pattern. And that is unusual for any station in this DX site. CUN7.



## NRC EDITORIAL REPLY

It seems to me that the controversy over what should be counted as a logging related to the distance from the home QTH is a case of not seeing the forest for the trees. I offer an alternative solution which applies in my own case: Cease tallying up station totals! Then one can concentrate on hearing DX stations and reporting the results to others, and apply whatever remote antennas or mobile DX'ing that enables stations to be heard which cannot be heard "at home" — no matter what the distance involved.

I can't see why moving one's rx in any sense could be considered "cheating" as long as one does not claim to have heard a station from a location other than where it was actually received. While it is always of interest to know which items result from beverage-antenna DX'ing, I don't believe that such DX should be treated as inferior by segregation or special symbols in reports.

"Moving one's rx site back and forth within a given radius of one's QTH for the specific purpose of changing ex sufficiently to log other stations" strikes me as the mark of a resourceful DX'er. Why curse the QRM when you can get around it?

Perhaps my outlook results in part from having moved rather frequently during the past few years. It has seemed pointless to me to start over from zero at each location, or to maintain only one master list of DX received. So, I do neither, and devote the time saved to more DX'ing!

A larger question is this: are "Supremacy Ratings" a good thing? What purpose is served by numerical comparisons as a measure of DX accomplishment? I have no idea how many domestic or foreign stations I've received, yet do not enjoy DX'ing any less for such ignorance. Those who know of my work with WTFDA may find this a strange position for its statistics editor to take; that's one reason I'm pleading myself out of that job; when the arbitrary goals get to be too controversial, or too complicated, the basic enjoyment of DX'ing suffers.

The exclusion of items "outside the 25-mile limit" from DDID only defeats the purpose of providing DX tips to others, and only compounds the reasons why I choose not to participate.

Let's try not to lose sight of DX'ing as a hobby to be enjoyed — not as a ratings game.

—Glenn Hauser

A couple of very brief comments here. I call special attention to the 2nd line of the second paragraph above. This is what it's all about. The implication of same is just as misleading as the claim. Likewise, I don't remember saying that beverage DX was "inferior", simply "different". For the same reason a DX'er includes his use of loop or longwire, he should state a beverage also. Consider the possibility of a DX'er seeing that Joe Blow heard KKKK and he wants to hear it also. If our DX'er has a simple longwire, or loop, and Joe Blow had a beverage, our DX'er will likely get very frustrated trying for KKKK. Presentation of all relevant reception data gives the recipient of a tip enough data to set attainable goals for himself.

Further, it must be remembered that Glenn's entire argument is based upon the premise that competition is eliminated, i.e. in the ideal sense, no totals in Musings, as well as the elimination of all "Supremacy Ratings". IF there were no overt competition, it wouldn't matter where the rx site was, so long as the site was given. In terms of pure DX'ing, as Glenn is speaking, although the NRC nor any other club has ever even nearly approached, this is a very sound proposal, although I wonder if there are any ramifications we don't see presently.

—RJE

The key concept here is what has been an accepted practice in the American DX fraternity since the hobby began, and whether or not a change is in the offing. If one counts DX-peditions, by the same logic, one could count stations heard driving around the country on vacation. If this is the case, is it valid to compare these totals with those of a DX'er who has only counted one location? Furthermore, is it fair to even imply that the two situations are comparable? It appears to us that it is a contradiction in terms to submit DX from another location and say it is done for tip value, and then to turn around and include them in one's totals for competitive purposes, however limited. In any group of individuals participating in almost any endeavour, there must be some form of commonly-accepted standards in order for ANY sort of comparisons to have meaning. For this reason, most DX'ers have been guided by the tradition of the past. If indeed a change is to be made, it cannot be accomplished properly by the unilateral actions of a few individuals, and this is the reason we have chosen to discuss it here — so that both views may be espoused, or, in this case, all three views.

Another item we wish to cover here is the erstwhile "25-mile limit". Originally, this was a traditional "rule-of-the-thumb" applied to DX'ers who were moving as a measure of whether or not to start a new log, although it gradually came to be applied by some DX'ers to loggings remote from their QTH. On the other hand, many DX'ers count only what is heard at their home QTH, while still others apply a factor which determines whether or not any significant changes of ex have occurred. With regard to moving, some like the 25-mile idea, others the significant ex change idea, while others simply maintain lifetime totals from all QTHs. (Here we should remember that the definition of QTH refers to a single place, not many within a given radius). The major point is that if a DX'er is going to engage in a totals race or other such competition, he should clearly state where which stations were heard. Further, in his reports to DXN sections, he should identify his loggings by not only his equipment, but his location, or else his tip might mislead someone else. Likewise, one must remember that the individual DX'er must maintain some sort of continuity in his own DX'ing if he wishes to be competitive. If he accepts a 25-mile radius as his philosophy, he should not either change that philosophy or extend his limit for the sake of convenience.

We will continue to encourage comments on this issue, provided that they contain arguments which support the individuals' particular position. As always in DXN, we will discourage emotional haranguing. Glenn Hauser's piece represents a most logical and unemotional argument to support his position. Perhaps it will become necessary to consider our Supremacy Ratings column again, or perhaps there will be no real solution. Regardless of the outcome, it will be beneficial if reporters take care to state all of the data about how a reception was achieved, including location.

Doubtless there are many members who are wondering why we have devoted the time and space to what may seem an academic issue. In the past, when a controversy over "DX ethics" arose, it was frequently done underground, and all that ever surfaced were the emotional arguments and the rumours. By openly creating a forum in DX NEWS, we hope that whether or not we resolve the issue, we will have fully discussed it in the open.

— PT & RJE

We've received several comments here at HQ regarding our recent editorial on counting loggings, and several more appear in Musings this time. One particularly long reaction comes from Glenn Hauser, who has asked that we run it all rather than just quoting from it. We will accede to this request, but we may have to hold it for the next issue, although hopefully space will permit running it here. Other comments go like this:

From Bill Fait: "DX from different locations should be logged separately and reported separately.... I DX from two locations, and although the difference is a few Pennsylvania locals, I keep the two separate. I report separately to Supremacy Ratings as well."

From Ron Musco: "I'm glad this matter's finally getting into the open. I support HQ's position 100%. DX'ing has operated in this way for as long as I can remember, and I see no reason to change to accommodate a few individuals who want a short-cut to what has taken others years to achieve. One of my major challenges in DX'ing is to hear the hard stations, not to go out of my way to make them easy."

Ron's comments are most interesting, as they also represent some of the other observations which we had received which prompted the editorial in the first place. A number of old-timers firmly believe that willfully changing a location (AS OPPOSED TO MOVING, which is generally not done solely for DX'ing reasons) is contrary to the time-honored concept of DX.

As we noted in the editorial in question, perhaps this tradition has seen its day. A tradition is only accepted as such for as long as a majority of those concerned by it abide by it.

Some other items we wish to note along these lines are that the original edit was the result of a rather lengthy PubComm discussion including Frank Dailey, George Kass, John Sampson, Bob Stonier, Page Taylor & Russ Edmunds, as well as Russ's discussions with Wes Boyd. The feelings which were expressed were pretty much the consensus, and not isolated thoughts. Many of those who have commented have missed certain essential points, namely that in certain cases the reporters have NOT SPECIFIED that separate locations are used, or that they have IMPLIED in their reports that they consider it as one location. DDXD, and other columns have consistently used DX from vacationing DX'ers, as long as it is so stated, for their tip value and will continue to do so, provided they are of value to others. An additional idea comes from Bob Foxworth, Glenn Hauser, and Joe Brauner that totals, supremacy ratings, and other forms of competition are the problem behind the situation. They maintain that such comparisons are usually meaningless anyway. Foxworth says he knows how many States and Provinces he has logged, taped, or verified, "because there are a finite number to be heard, and in that case the number I have is a valid measure of my personal progress." Supremacy Ratings are practically as old as the NRC itself, and until the recent past, contests were an integral part of the club. The latter were de-emphasized as it became generally conceded that a universally-fair contest could not be designed, and as no one wanted to run them. Joe Brauner feels that this is as it should be, and says that the competitive aspects can ruin the hobby. Both Foxworth and Hauser note that as long as some DX'ers view the hobby as a numbers game, there will be controversies of this sort, and that DX'ers will likely try to devise new means of achieving higher totals in shorter periods of time. One can, of course, simply do as many long-time NRC'ers who have moved have done, and maintain lifetime totals, but that doesn't solve the present problem.

In general, vacation loggings are not at issue here, unless they are lumped in with something else, and as long as they are identified as such. As to DX-peditions, most NRC'ers attending Convention DX-peditions do NOT count any catches there, unless they are the hosts, and it happens to be quite close to their QTH. Further, we should not be concerned with what the Finns do or do not do, especially as there is no first-hand information of the subject covering more than a few individuals.

Neil G. Zank

When I began using a clock timer with my receiver and tape recorder I was concerned with battery life in my Space Magnet "IT" antenna. Even using a Mallory Alkaline Duracell I knew I would have problems with the battery. Then I thought of something I had laying unused in a drawer. This was a drug store variety Transistor Radio Battery Charger & A. C. Converter.

The unit I have is Japanese made and about the size of two 9 V. batteries. It had a 5/8 inch power cord and a 6 inch lead with a 9 V. battery clip on its end. Input is 110/120 V. A. C., 50/60 cycles, 1 Watt. Output equals 9 V. D. C., .075 Volt Amperes.

This unit was attached to the Space Magnet via the battery clips, and I have A. C. power to my Space Magnet. No modifications were required, the On/Off switch of the S. M. is used to control power to the antenna. In two month's use I have experienced no problems whatsoever. There has been no A. C. hum generated and the S. M. circuitry has shown no signs of any power surge problems. The battery clip lead is long enough to allow rotation of the antenna. There has been no trouble with the mulling ability of the S. M. Also no signs of overheating in the converter during all night usage. The converter itself lays right on the base of the antenna. The only bad thing I can say about it is in regards to looks. And who ever said that the Space Magnet was a thing of beauty anyway?

The unit I have was marketed under the name "Pedro". I do not remember the cost, but I know it was inexpensive.

## CLIPPING CORNER

Submitted by Neil Zank

## Old Time Radio Alive, Well For Military in Far East

By Robert Crabbe

Tokyo (UPI) — Mary Livingston still puts down cheapskate boyfriend Jack Benny on the airwaves of Japan.

Our Miss Brooks still pursues the sexless Mr. Boynton across their high school campus, and hasn't caught him yet. Twice weekly, a sinister voice begins yet another "tale well calculated to keep you in suspense."

American radio of the pre-television era is alive and well on the Far East Network (FEN), which is the hometown radio station for about 123,000 members of the U.S. military and government families in Japan and Okinawa alone.

"We have 160 different old programs in our archives," says Sgt. Jim Ewing of Bartlesville, Okla., FEN's program director in Tokyo.

"In the case of Jack Benny, we have 94 episodes and could run one a week for two years. We have 200 of Suspense and could keep it going four years."

All are on discs rather than tape. The majority were first broadcast in America in the 1930s, before television replaced radio as the medium of fresh comedy and drama. FEN has no record of the original broadcast dates.

The wit of the radio writers of 20 or more years ago wears well. People still chuckle at the gags. Romance and My Favorite Husband, each broadcast once a week, retain their grip on housewives.

"If we take them off for broadcasts of sports events from the states, we invariably get a lot of telephone calls about it," Ewing said.

Interest in radio is especially high for about 25,000 members of American military and government families in the Tokyo area.

They are completely cut off from English language television. On Okinawa, and at outlying bases on Japan's main island of Honshu, American TV is available to base families about 12 hours a day.

Monday through Friday, FEN offers the old shows for 30 minutes in the morning and 55 minutes in the evening.

An audience survey showed the evening program was FEN's most popular offering. It contains two shows, each originally written for a 30-minute time slot.

Dragnet and Escape are available on Monday, followed on Tuesday by Suspense and The Precinct.

Wednesday is laugh night, with Jack Benny and Jim Hawthorne's comedy theater. Thursday's offerings are Fort Laramie and Have Gun, Will Travel. On Friday you can hear Theater Five and Broadway in my Beat.

Some of the most ancient voices speak on Sunday on Golden Days of Radio, a patchwork of excerpts from shows dating to the 1930s.

W. C. Fields drank his last martini in 1946. But on FEN he still is heard once in a while swapping insults with Charlie McCarthy or being rebuffed by Mae West.

Although off at the moment, Fibber McGee and Molly had a run on FEN a few months ago. Ewing says they had top reception among teenagers.

FEN began broadcasting in Japan a few days after the end of World War II. For many years now it has occupied the 810 area on the Tokyo broadcast band.

It invariably introduces the oldies with the warning that: "Announcements contained in these programs may no longer be valid."