



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 46, Number 4 Monday, November 13, 1978.

STATIC FROM HQ

See the clear space, folks—it's our way to say there's no static this week!

Get Wolf. Dub?

CPC TESTS Times are Eastern Local

- November 27 WWDJ-970 Hackensack, N.J. 0130-0600. The CE promises, on Monday a stack of Holy Bibles (ever hear of an unholy Bible, John?) to definitely run the POP to 0500, possibly until 0600. Power will be 5 Kw and will use the night antenna pattern. Test will include test tone frequency sweeps from 30 to 1000 cycles, plus open carriers and modulation tests. Voice IDs on the hour and possibly half hour. Prepaid calls to: 201/343-5097. Veries from: Jim Galbraith, Chief Engineer, WWDJ, P.O. Box 970, Hackensack, N.J. 07602. Arr: John Kromka, who ordered HQ not to change a word, hi!
- December 4 KADE-1190 Boulder, Colo. 0200-0300 with 1 Kw non-directional. Monday May use 52.1 watt PSA the last 5 minutes of the test also. Signer/arranger is NRcer Bob Greenlee, who is general manager of the station. Prepaid calls will be accepted. New Address: 4840 Riverbend Rd., Boulder, Colo. 80301.
- December 4 KPCC-1240 (100 watts) Pasadena, Calif. 0330-0400. Will Monday use 1000 cycle tones, music and IDs. Possibly KROY may be off the air during this test. Reports to: George Chambers, Chief Engineer, KPCC, 3844 Foothill Blvd., Pasadena, Calif. 91107. Arr: Matthew Shugart for IRCA.
- December 4 KRRR-1360 Ruidoso, N.M. 0400-0500. Test will include tones, IDs Monday and perhaps other items (details later). Veries from: Arthur J. Borgemenke, CE, KRRR, Box 39, Ruidoso, N.M. 88345. Arr: Nolan for GWDXA.
- December 18 KDLG-670 Dillingham, Alaska. 0515-0615 with 5 Kw non-directional. Monday Test will include tones, voice/code IDs, DX gab and some Eskimo gab. Prepaid calls to 907/842-5281. Veries from: Les Robinson, General Manager, KDLG, Box 670, Dillingham, Alaska 99576. Arr: Eddie Ryan (GWDXA).

THEY JOINED

We welcome these new members and invite them to Muse soon!
 Vic Melis, 150 Saylor's Mill Rd. R.D. #1, Spring City, Penna. 19475.
 Greg Monti, 5 Hickory Road, Bayville, N.Y. 11709.
 Paul E. Remy, 665 Pokross St., Fall River, Mass. 02724.
 George E. Walton, 314 High Street, Easton, Penna. 18042.

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NRC HAM NET. For late tips monitor or QSO with us on 3895 (±5) at 10:50 p.m. on Sundays (ELT). Look for N4NU, K8GVU, WD4DNO, et al. If the band is too crowded some of the group will be found on 3850 (±5) after 11:00 p.m.

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

DOMESTIC DX DIGEST

RAY ARRUDA
47 BURT STREET
ACUSHNET, MASS. 02743
(617) 998-3958

We are back on EST. Much good SSS DX to report this time. A reminder to please use one side of paper when reporting your DX.

DX TEST

KIUP - Heard by PRM, KVJ. Not heard by RM or RA.

MIDDAY TO MIDNIGHT

- 540 WGTO FL CYPRESS GARDENS - 10/20 1852 good, well atop w/C&W mx & ads. (MD) 10/23 1859-1900 strong w/s/off. (BB)
- 690 WYIS PA PHOENIXVILLE - 10/12 1828 xlint w/religious pgm. (HJH)
- 730 UNID --- - 10/2 1955 w/Soul in GDT zone, KC or KI, MBN Network nx. (LVH)
- 740 WPIK VA ALEXANDRIA - 10/20 1809 good in WAGE null w/C&W. (MD)
- 810 WVOH PA CHESTER - 10/20 1811 fair atop w/Christian pgm. (MD)
- 810 CJVA NB CARAQUET - 10/24 1725 fair in WGY null w/FF pops, FF anncr. (RS)
- 820 WOSU OH COLUMBUS - 10/23 1926-1930 strong w/ID, NPR Net, TV Show promo 1928, 1st time heard, no sign of WBAP. (BB)
- 870 WKAR MI EAST LANSING - 10/23 1900 s/off, FM ments. Fair u/WWL.(WPT)
- 890 WHNC NC HENDERSON - 10/24 1735 w/PSA-Joe Cocker tune, ads. (ERS)
- 1000 WIQT NY HORSEHEADS - 10/24 1825 s/off followed by Lord's Prayer
- 1020 WOIL IL CARBONDALE - 10/24 1850 Paul Harvey nx, PSA, (ERS) Political Ad, into instrumental mx. (KVJ)
- 1100 WWWE OH CLEVELAND - 10/18 1303 National nx, spots, fair w/WBAL, WUST splatter. (WPT)
- 1110 WUPE MA PITTSFIELD - 10/24 1815 s/off. (ERS)
- 1120 WUST DO WASHINGTON - 10/19 1808 L&O w/Soul. (MD)
- 1130 WCAR MI DETROIT - 10/23 1835 in WHEW null w/Paul Harvey. (ERS)
- 1140 KPWB MO PIEDMONT - 10/23 fair 1927 w/C&W & YL DJ -- nx, wx prior to 1927. (KVJ)
- 1170 WHLW NJ LAKEWOOD - 10/23 1812 s/off after wx for Jersey Shore, good in null of WWVA. (WPT)
- 1210 WKNX MI SAGINAW - 10/21 1857 w/rr to 1900 s/off w/jx at end, stressing that they are required to s/off. (KVJ)
- WILY IL CENTRALIA - 10/21 1901 in good in WCAU null after WKNX s/off. (KVJ)
- KGYN OK GUYMON - 10/23 xlint 1945-2000 w/"World News Highlights," local ads, then C&W, all in WCAU null. (KVJ)
- 1250 WEMP WI MILWAUKEE - 10/21 good w/C&W, contest winner 1858 o/u WTAE, then 1800 TC into CBS nx. (PRM)
- 1280 WJAY SC MULLINS - 10/21 poor/fair in QRM w/s/off 1843, ments. 5000W, think it is C&W format. (PRM)
- 1300 WMAK TN NASHVILLE - 10/17 good 1910 w/Concert spot at MTSU in Murfreesboro, "Magic 13" promos o/u WERE. (PRM)
- WBLG KY LEXINGTON - 10/23 2005-2012 w/rr, "13 BLG" promo, Cash Contest promos. (KVJ)
- 1330 WJPS IN EVANSVILLE - strong sig. 10/22 ending Ae Nx @ 1835, into mx. (HJH)
- WASA MD HAVRE DE GRACE - 10/19 1800 fair atop jumble w/SID. (MD)
- 1340 WYOE DO WASHINGTON - 10/18 1309 noted off air w/intermittent OC.
- WNBH MA NEW BEDFORD - 10/22 @ 1700 w/Colts-Broncos FB (WPT) game on Mutual Net covering WBRK/WNHO. Noted 'til 1800 when WCAW also of MA IDed before local nx. This w/east-west LW. WNBH addr. is now Box H-3201, 02741. (RM)
- 1370 WGOR KY GRAYSON - 10/22 fair/weak w/s/off o/SSB @ 1859. (HJH)
- 1380 WIZO TN FRANKLIN - 10/22 1900 TC, then Mutual nx, Williamson Bank spot @ 1904, dominated channel w/overpowering sig!(HJH)
- WNVK CT NAUGATUOK - 10/23 after WBNX s/off, WAWZ s/on at 1800 w/NBC nx. (ERS)
- 1420 WOED PA DUBOIS - 10/21 2359-0000 ID, plug for FM, then nx, fair atop hash. (WPT)
- WVJS KY OWENSBORO - 10/20 2022 on a remote live from Spook Show at Owensboro school, phone co. spot, fair o/u WHK. (WPT)

WYZD 1560

- 1460 WPRW VA MANASSAS - 10/19 1752 fair in jumble w/rr/SID. (MD)
- 1470 WVOL TN BERRY HILL - 10/2 1813 w/ID, spots, Soul mx. (LVH)
- 1480 WCFR VT SPRINGFIELD - 10/19 1742 xlint in WSAR null w/ads. (MD)
- WYZE GA ATLANTA - 10/21 1900 s/off w/unclear ID, fair amid QRM.(WPT)
- UNID --- - 10/15 1901 AT 40 Show in progress w/QRM from football game, other sta. Good signal otherwise. (PRM)
- 1500 KSTP MN ST. PAUL - 10/15 very good 1820 w/promo for KSTP Music Trivia contest, fone #'s, etc. (also heard recent MMs w/talk). (PRM)
- 1550 WBSO SC BENNETTSVILLE - 9/8 2234-2236 lots of spots, several mins. worth! Nice signal despite CBE. (BB)
- WIRV KY IRVINE - 10/17 1900 s/off in weakly u/mess. (HJH)
- WXVA WV CHARLES TOWN - 10/19 1833 fair in jumble w/ID. (MD)
- WKBA VA VINTON - 10/19 good w/GOS to 1844 s/off. (MD)
- 1570 WPEP MA TAUNTON - 9/29 1858-1900 w/s/off, poor fading to WTOW/CKLM QRM. Is there one night CKLM can't be heard! (BB) Only when they have a SP, and that is rare and very irregular, Bill. (RA)
- WTOW MD TOWSON - 9/29 1909-1914 weak w/religion, 1914 s/off, w/1 back in 6 days. (BB) 10/23 1829 s/off followed by hymn. (ERS)
- 1580 WPGO MD MORNINGSIDE - 9/29 1852-1915 s/off, strong after WYFA s/off w/plug for FM. (BB)
- WEYY AL TALLEDEGA - 1020 1914 w/s/off anncmt. (LVH)
- WLIJ TN SHELBYSVILLE - 10/20 1915 s/off noted right after WEYY s/off. (LVH)
- KNIX AZ TEMPE - 10/21 good but fading 2027-2044 w/Bob Baker for KNIX Sports, concert promo, many jingles & KNIX IDs, C&W mx. (PRM)
- KFDF AR VAN BUREN - 10/21 tentative @ 1942 s/off o/KNIM w/partial addr. & DJ's 1st name of Ron. IDs sounded like KFDS/KOBS/KODS, this closest listed, any help? (PRM)
- KPIK CO COLORADO SPRINGS - 10/21 fair 1956 w/wx, ments. of snow, then nice ID for tape, nothing more heard, QRM from UNID s/off. (PRM)
- WDQN IL DUQUOIN - 10/15 1930 s/off w/250 watts, no SSB. Also heard at 1915 10/21 s/off fair. (PRM)
- KNIM MO MARYVILLE - 10/21 good o/QRM 1943 w/wx, FM mention, (PRM) pop mx, then 1945 s/off w/no SSB, 250 watts @ 700 miles.
- 1590 WTRU MI MUSKEGON - 10/15 1859 fair in QRM w/SID, then back to World Series game. (PRM)
- 1600 KATZ MO ST. LOUIS - 10/17 1917 & 10/21 1924, heard regularly @ SSS w/Soul format. (PRM)
- WAAM MI ANN ARBOR - 10/21 1920 heard at this time w/super sig. IDs & Ann Arbor ments. Gone shortly afterwards & replaced by WRWL...OE forgot switch apparently. (HJH) (WPT)
- WNST WV MILTON - 10/23 1806 fair u/WINK w/National Nx/ID/T40 mx.

MIDNIGHT AT THE OASIS

- 540 CBT NF GRAND FALLS - 10/23 0432 good atop LA's w/nx. (MD)
- WDAK GA COLUMBUS - 10/2 0225 noted w/IDs/promo, Rock mx. (LVH)
- 580 UNID --- - 10/23 0115-0215 tester w/tones on & off, possibly day/night pattern used also. (RM)
- WCHS WV CHARLESTON - 10/23 0439 good w/rr/ID/wx. (MD)
- 610 WIOD FL MIAMI - 10/23 0111 good atop w/tele-talk. (MD) (MD)
- 620 WSUN FL ST. PETERSBURG - 10/23 0130 fair atop w/ID, believe C&W mx.
- WTMJ WI MILWAUKEE - 10/16 good u/WRJZ's Rock w/spot, end of NBC nx, & "WTMJ" jx 0401-0405. State 31. (PRM)
- 640 KFI CA LOS ANGELES - 10/16 0243 good o/Cuban w/talk show. (PRM)
- 850 KOA CO DENVER - 10/16 0246 good w/talk over another station running talk, possibly KFUO Test, & a mx station. KOA also heard 10/23 0005 w/nx. (PRM)
- 880 KRVM NE LEXINGTON - 10/23 fair/poor u/strong WCBS 2356-0100 w/religion, then IDed w/TC, s/off 0104 w/ISSB. (PRM)
- 910 WSEA PA YORK - 10/16 good w/Dave Mason mx, ID 0231, little QRM.(PRM)
- 920 KARN AR LITTLE ROCK - 10/23 good o/CKCY w/nx/wx, 0200-0205, long promo-ID in detail, then BFL mx. (PRM)
- OPLS PQ LEVISO-10/23 0238 very good w/rr, man in FF. (MD)

930 GFBC NB ST. JOHN - 10/23 0245 loud w/rr o/u WPAT. (MD)
 WTAD IL QUINCY - 10/23 good o/WFMD pest w/EZL, FM Stereo ID @
 0145, nx, wx 0202-0203, then ID, s/off w/ISSB o/WBEN. (PRM)
 WBEN NY BUFFALO - 10/23 atop 0157 w/"Wichita Lineman" then ID
 & NBC nx. (PRM)
 940 WMIX IL MOUNT VERNON - 10/23 0119-0123 fair w/Rock, ID, promo
 for HS FB game, jx, into Cat Stevens mx. QRM from KIOA/
 UNID SS. (PRM)
 WFNC NC FAYETTEVILLE - 10/20 0718 w/nx, sports, local ads. (LVH)
 WIDG MI ST. IGNACE - 10/20 0720 noted s/on annct u/WFNC. (LVH)
 950 UNID -- ----- 10/2 0116 varying TT, no IDs. (LVH)
 990 CBY NF CORNER BROOK - good thru UNID 00 @ 0429 s/on 10/23. (MD)
 1060 WNOE LA NEW ORLEANS - 10/23 fair in QRM w/Rock, ID 0321. (PRM)
 1140 WKCM KY HANESVILLE - 10/21 0748 HS FB promo, ment. of Radio 1140,
 local nx @ 0755. (KVJ)
 1150 KSAL KS SALINA - 10/2 0022 ID noted in mess. (LVH)
 1300 WOOD MI GRAND RAPIDS - 10/16 good w/EZL mx 0040-0044, detailed
 ID, WFSR/WBLG QRM. (PRM)
 1410 KAHL NE NORTH PLATTE - 10/2 0105 s/off w/SSB. (LVH)
 WPOP CT HARTFORD - 10/23 good 0231-0306 w/Larry King, CBS nx 0300,
 & "Newsradio" promos. (KVJ)
 KQV PA PITTSBURGH - 10/23 popped in o/WPOP 0300 w/short promo
 for their "reporter at large" then into CBS nx. (KVJ)
 UNID FL ----- 10/23 0312 heard ments. of Charlotte Co.
 u/WPOP/KQV---there is such a place in FL near Ft. Meyers,
 so is WMYR AN? Log sez they s/off 0000....? (KVJ)
 1450 WTSA VT BRATTLEBORO - 10/9 atop frequency w/s/off & SSB all ending
 at 0013. (AR)
 WOL DC WASHINGTON - 10/23 0409 atop jumble w/ID/Soul mx. (MD)
 WA T -- ----- 10/16 s/off 0100 used instrumental "America".
 1460 WCMB PA HARRISBURG - 10/16 fair 0313 giving address of sta. (PRM)
 in ad. (PRM)
 1470 WMMW CT MERIDEN - tentative on 10/17 3rd Tue. r/c. Heard (AR)
 brief TT @ 0009 & 0013, & think I also heard an ID @ 0013.
 CHOW ON WELLDAN - 10/23 0501 s/on after "O Canada". (ERS)
 1480 WTHI IN TERRE HAUTE - 10/16 fair w/Rock 0107-0121/ID in wx
 mixing w/WLEE pest. (PRM)
 1490 WOMI KY OWENSBORO - 10/16 fair w/wx, ID 0125-0143, unsure of
 format due to QRM from 2 UNID rockers. (PRM)
 WARK MD HAGERSTOWN - fading in & out 10/23 w/IDs & Roberta Flack,
 Dolly Parton mx 0217-0230, WPOP/WBOB QRM. (RM)
 1530 KFBK CA SACRAMENTO - 10/16 fair/good w/Mutual talk show, PSA, wx,
 TC & ID @ 0400, WCKY off. (PRM)
 1550 WOKJ MS JACKSON - 10/16 0401 w/IDs, jx, & phone #'s. (PRM)
 1560 WQXR NY NEW YORK - 10/21 0600 s/on for AM & FM then studio nx. (LVH)
 1580 WESY MS LELAND - 10/21 0800 s/on w/local promos. (LVH)
 UNID -- ----- TT on & off 0100 & on looping south on 10/23. (RM)
 1590 WETT MD OCEAN CITY - 10/16 fair o/u WAKR w/nx 0215, sports 0216
 followed by nx, wx, "WET" promos, then pop mx. (PRM)
 WGOE VA RICHMOND - 10/23 good on ET w/progressive C&W, ID 0045. (PRM)
 1600 KORG IA CEDAR RAPIDS - 10/16 good o/UNIDS w/s/off 0200 to return
 @ 0500. (PRM)
 WEUP AL HUNTSVILLE - 10/16 0202 good w/TC, promo for concert in
 Birmingham Civic Center, wx, Soul mx, pretty much alone
 on frequency. (PRM)

That's it! See you next week.....73.....

REPORTERS:

BB	Bill Bergadano, Staten Island, NY	Panasonic RF-1150, Tech 1000
MD	Marc DeLorenzo, Centerville, MA	HQ-100, SMI
HJH	Harry J. Hayes, Gouldsboro, PA	Zenith T-0, SM2
KVJ	Karl Jeter, Atlanta, GA	HQ-150, TRF, SM2
PRM	Paul Mount, Nelsonville, OH	TRF, SMI
RM	Ron Musco, Windsor, CT	HQ-145, HQ-180A, LW
AR	Andy Rugg, Isle Des Soeurs, PQ, Canada	TRF
ERS	Elliot R. Straus, West Orange, NJ	R 390A, Loop
WPT	William P. Townshend, Washington, DC	TRF
LVH	Larry Van Horn, Millington, TN	DI-160, LW
RA	Rocket Ray, Cush Net, MA	SI-122, SMI

Ray

INTERNATIONAL DX DIGEST

CHUCK HUTTON
 P.O. BOX 2087
 DECATUR, GA 30030
 (404) 633-1198
 BEFORE 2300 ELT

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

540 HICARAGUA YNOW R. Corporacion, Managua I guess. Somebody very loud 0315 10/26
 carrying Radio Nacional de Nicaragua programs. I've heard a handfull of the
 YN's doing this since the fun and games of recent. (Hutton)

575 COSTA RICA? R. Nacional? 10-9 0255 fair signal-Spanish "norte America", "musica",
 spoken by man. Some music and man talking again at 0257 "programa de ...", then
 into piano mx at 0258. Heard on R300 and 60 foot longwire but also on Guardian
 7700 and built in loop antenna that gave direction as slightly east of due south.
 Also heard 10-13 0420 poor-piano and violin mx, 0422 man in SS, 0425 same kind
 of mx, 0428 man talking. Heard at work on Guardian 7700 inside steel framed
 building. (Poda)(It's definitely R. Nacional de Costa Rica-they began RS on
 9-15...CH PS-they have a good signal here; 10-26 they were clear as a bell the
 entire evening.) Heard well for many nights. Topped channel w/light string mx
 0515 10/8. (Kenneally)

580 PUERTO RICO San Juan WNAQ good w/man in fast SS and many R. Reloj ID's 0704
 10/1. (Kenneally)

655 EL SALVADOR San Salvador? YSS? 10-12 0425-0430. Poor with fades, light and slow
 LA mx-chorus? Heard at work-Guardian 7700 inside building. (Poda) Has to be YSS-
 they are the only station on the channel-CH

700 UNID 10-9 0628 w/current pop, song "Boogie" in EE in WLN null. Fast SAN, faded
 out in a minute. Heard on TRF-looped SE. (Poda) Jamaica is a good possibility
 with that kind of mx. Others could play it though-CH

760 COLOMBIA Barranquilla HJAJ in weak under WJR w/mentions of "Barranquilla by man
 in reverberated SS 0714 10/1. (Kenneally)

760 CUBA Havana CMCD in like a local with regular pgs and Reloj ID 0305 10/3. (Ken'ly)

800 PANAMA La Exitosa, calls unknown fair 10/24 at 0624 o/u XEROX. Can't catch any
 calls on this one. (Hutton)

810 BAHAMAS Freeport ZNS3 fair to poor w/man in EE and R. Bahamas ID followed by BBC
 nx 0050 9/27. (Kenneally)

825 PANAMA Macaracas HOR56 R. Peninsula very good w/lively SS mx, EST TC, ID 0508
 10/16. (DeLorenzo)

830 DOMINICAN REPUBLIC Santo Domingo ELJB loud and clear w/light mx to 0500 s/off
 10/16, all in SS of course. (DeLorenzo)

830 VENEZUELA YVLT R. Sensacion lac, alone with SS versions of US rock tunes 2322-
 2330 10/12. (DeLorenzo)

834 BELIZE Belize City 10/9 0200 very poor, man talking, loop south. (Poda)

860 BRAZIL Rio de Janeiro R. Mundial xint w/FP rock, man in FP 0645@0655 10/16;
 Clarin off. (DeLorenzo)

870 PUERTO RICO WHOA San Juan very good w/ads, jingle, MoR mx 2318 10/12, sound is
 very American. (DeLorenzo)

885 MONTSERRAT Plymouth ZJB fair but very shallow audio w/man and woman in EE 2310
 10/12. (DeLorenzo)

890 COLOMBIA Bogota HJCE in o/WLS w/fast SS and LV de Bogota ID 0612 10/1. (Kenneally)

900 MEXICO Mexico City 10/9 0158 fair-man talking in SS, loops SW. (Poda)

940 CUBA CM?? R. Reloj Nacional fair battling second LA w/all nx 0730 10/16. Either
 a move from 930 or WRTH is incorrect. (DeLorenzo) This is not the Reloj from
 930, as 930 is still heard nightly here. Apparently it is a totally new tx, as
 none of the regularly heard stns are missing-CH

940 MEXICO Mexico City, DF 10/9 0158 good, man in SS, song, looped SW. Also 10/9
 at 0555 good w/man in SS, talk at 0601, ID "XEQ, radio-television", etc. Could h
 hear a faint Latin American under XEQ. (Poda)

944 HONDURAS Tegucigalpa HRYW believed to be the one here in faintly w/mentions of
 Tegucigalpa 0533 10/1. (Kenneally) Note the frequency, Rick. HRYW is on 944.0
 while Ifesa is on 945.0. Ifesa is an extremely tough catch while HRYW is a
 nightly visitor, so I have no doubt you heard HRYW-CH

945 UNID (WRTH of 72 has R. Ifesa in Ecuador) 10/9 0550 poor to fair with SS mx,
 then woman talks with ID (?), "Radio Paramanson" heard again at 0555 and then
 "presente" and piano notes 2 or 3 times followed by more LA mx. Faded before
 0600. (Poda) "Paramanson" sounds enough like Panamericana to make me think you
 had the 944 stn above-CH

970 MEXICO Mexico DF XEDF in very good w/talk then SID 0607 10/1. (Kenneally)

- 980 CUBA but unid. Loud (much louder than the normal AN Cuban) 10/24 at 0510. Don't believe there is any ID on the tape. (Hutton)
- 1020 VENEZUELA La Asuncion R. Margarita 10/2 0530 fair to good with US pop mx. At 0533 R. Margarita ID and then singing commercial by men. Loop SE. (Poda)
- 1025 UNID LA 10/9 0610 fair but mostly poor LA mx. (Poda) At that hour it has to be Ecos del Combeima in Ibague, Colombia-CH
- 1030 UNID LA 9/28 0030 very poor, LA mx in WBZ/R. Centro null on TRF. Also 10/2 0545 very poor to poor in R. Centro null, loop SE?. Man singing slow song in SS. Poor to fair several seconds- "ee-vay-kay"?, "grande" heard-may have been call slogan but at 0547 WBZ came on with test. TRF used. (Poda) The first reception is likely to be either R. Pacifico in Cali or the R. Guama outlet in Cuba. The second reception is likely Pacifico as they are about all that is on at the time-CH
- 1030 MEXICO Mexico City DF, R. Centro 10/2 0540 fair to good "Radio Centro" ID by man several times, then song by man, loop SW. (Poda)
- 1034 PORTUGAL Porto Alto 9/25 0550 loud het, poor voice-SS mx-fades. 0600 man talking-nx? Lang not quite like SS-almost sounds like German (guttural sounds). At 0605 faded but was into mx. Before 0615 poor-fair-instrumental mx-drums beating. At 0615 woman talking "aqui...". ID? then more of the same mx and at 0617 a chorus of women, at 0619 woman talks. At 0625 fair signal, easy to copy for a minute, woman talking with man- "uno" and "maji" (or magio) used 3-4 times, possible commercial? This reception was better than any so far this season and it was maddening not to be able to get a more positive ID due to my not knowing PP. Used R300 and 60 foot wire. (Poda) Listen for the "RDP" ID on the hour or mentions of Radiodifusao Portuguesa. I don't think you will hear commercials on the RDP stations-CH
- 1035 HAITI Cap Haitien 4VXH destroying 1030 and 1040. Never heard before. Complete s/off in EE w/outrageous sig from 0011 to 0033 10/7. (Kenneally)
- 1045 PANAMA Las Tablas HOJ2 in fair w/reverberated mentions of Panama 0106 10/9. (Kenneally) For what its worth, they used to run all night but I have noted them signing off between 0445 and 0500 sometimes recently-CH
- 1070 COLOMBIA HJAC Em. Atlantico fair 10/23 at 0414 with ID. A bit of FM on the carrier causing an audible wobbling het on the domestics. (Hutton)
- 1070 UNID LA 10/2 about 0600. SS fair, looping SE, a low het also heard, also loop SE. (Poda) Very possibly the above-they run AN-CH
- 1085 HONDURAS San Pedro Sula HROP R. Aeropuerto in fair w/light mx then man in SS and ID 0319 10/7. (Kenneally) Quite good 10/26 at 0223 with a variety of mx from instrumentals to rock. Occasional "Aeropuerto" ID's in the middle of the songs a la the automated Costa Ricans (Titania, Centroamericanos, etc.) in addition to ID's between the records. (Hutton)
- 1090 DOMINICAN REPUBLIC R. Amstard, Santiago fair to good at sunset 10/19 (no ID while signal good) and then poor-fair 0120 with ID (while signal not so good). Awful nice to hear this one, since I'd been trying to hear it for years with no success. (Hutton)
- 1140 MEXICO Monterrey XEMR very good w/mx and La Nueva MR ID followed by "Buenos Dias, Monterrey". Finally over het from 1142 0430 10/1. (Kenneally) Tentative 10/2 at about 0500. Poor, light mx loop south or SW in WRVA null. TRF used. Also 10/8 about 0630 SS, good reception, rock and roll mx, R300 and 60' wire used. (Poda)
- 1155 EL SALVADOR San Miguel YSCF fair w/many mentions of San Miguel in fast SS. What is the slogan on this one? 0316 9/30. (Kenneally) Slogan is "Ondas Orientales", with calls given fairly frequently. The slogan is always slurred so much that I miss it iften-listen for "Ondorntal" or somewhat and you'll have it-CH
- 1140 CUBA (out of order) the new tx here that is heard well in Atlanta is a Radio Bayamo relay. No location announced other than Granma province; the BBC Monitoring Service says it is in Media Luna, and is 1 kw. Sounds more like 10 kw however. (Hutton)
- 1160 DOMINICAN REPUBLIC Santiago HIBG Radiolandia unsuspectedly in the clear w/soft mx and ID 0646 10/1. (Kenneally)
- 1165 ANTIGUA ? R. Lighthouse 10/9 0112 fair-fades to poor. Religious singing. 0116 man talks in English "PO Box 1605,.....". Loops SE. (Poda) Has to be Caribbean Radio Lighthouse-CH
- 1176 COSTA RICA Puerto Limon TIQ in w/SS until 0658 then complete EE s/off annc. Xint level 10/1. (Kenneally)
- 1180 CUBA ? 10/2 about 0530. Fair, a man talks-news?, time tones. (Poda) It's R. Reloj, Isla de Pinos-CH
- 1190 UNID LA 10/2 about 0530. Poor-fair. LA mx; loop south. (Poda) Most likely R. Cordillera in Bogota-CH
- 1240 GUATEMALA TGR R. Sensacion fair over the graveyard mess with some marimba mx 10/23 at 0440. Missed one readable ID for the tape file and they went under before anything else happened. (Hutton)
- 1265 ST. KITTS Basseterre R. Paradise 9/28 about 0030. Poor but fair for a minute.. Religious singing. Also, 10/9 at 0147, fair and loop SE, English-list of people and addresses-from letters to station? Then into song "Just Keep on Praying". (Poda)

- 1295 GREAT BRITAIN BBC European Service fair w/man presumably in Czech 0523 10/16; IS at 0530. (DeLorenzo)
- 1376 FRANCE Lille L&C w/man and woman in II 0535-0550 10/16. (DeLorenzo)
- 1380 VENEZUELA Puerto Cabello, Ondas del Mar fair to sometimes very good through WLCY during absence of local WACK during big fade. An ID and mentions of Puerto Cabello made it 10/26 at 0248. (Hutton)
- 1466 MONACO Monte Carlo Trans World Radio 9/19 at 0500 loud het-varies few seconds. Poor audio. Woman talking in EE, also chorus singing and at times man talking. Some of these were probably 1470 or 1460 US stations. However, there were other hets on the high end and A index was only 2 on WWV 9/19. (Poda)
- 1590 DOMINICAN REPUBLIC Santo Domingo Radio Hit Musical poor, just making it above a faint rumble which was all that could be heard on the channel 0036 on 10/19. Had been heard before but this time I got a taped ID. (Hutton)

THIS AND THAT

Verie signers from Hank Wilkinson: HLKC 640-Lee Ylsung of the Engineering Dep't. BKD24 660-T.T. Chou, Director of Engineering. TIFJ 1224 Emilio Fiedra Jimenes, Gerente General. DYLA 1555 Carmen P. Alonsa, Secretary to Program Consultant. YVOZ 1200 R. Tiempo-Bob Rangel, International Relations. 4QS 750 letter from Bruce Short, ABC Regional Manager in Toowoomba. Verie 23 from DU land. 4QL 540 card from Longreach, no signer noted. 4BH 880 letter via air mail from P. Sheldon, Senior Technician.

EBU changes.... The new Kaliningrad tx on 1115 has been reported to them as 30 kw. The 150 kw Turkish tx formerly on 245 is now on 246.

Andy Rugg varie info.... Caribbean Radio Lighthouse 1165 sent a v/l for a f/up to Jan. 78 report. The signer is the regular Curtis L. Waite.

Danish Short Wave Club Internacional News.... West Germany-all AFN stations formerly on 611 have moved to 1106. East Germany-a statement from ORF as tot total power of MW stns from Nov. 23 on indicates that the listed Geneva plan tx's on 657 (2000/20 kw), 783 (1000 kw), and 1044 (1000 kw), 1575 (500 kw) are expected to be operational.

Arctic Radio Club.... Chile-the station R. Manu Kena on Easter Island is off the air. Colombia-HJYJ R. Lemaya on 1170 is now 2.5 kw. Brazil-ZYF32 R. Cultura is ex 760 and is now 10/5 kw. ZYH64 R. Princesa is now 5 kw. Cuba-according to the BBCMS, the R. Liberacion chain consists of 630 Santa Clara, 640 Granma and Havana, 650 Santiago, 730 Holguin, 740 Camaguey, 740 Pinar del Rio, 900 Ciego de Avila, and 1030 Guantanamo. Argentina-870 LBA R. Nacional now transmits 1000-0500. Bolivia-CP46 R. Universo now uses 10 kw. Malawi-WRTH 78 is not correct. There is no 50 kw tx on 674. MBC uses 539, 593, 674, 755, 872, 1106, and 1277. Malta-DJ is now back on the air. Tests were noted in EE from 2330-0130. Morocco-611 and 1043 are both now 300 kw. (Real fresh news, eh?-CH) Voice of Morocco is no longer on 1232. It has been replaced by R. Tanger, a commercial sta, address Box 200, Casablanca. AFRTS has shut down their 1484 tx. Mozambique-935 is much more than 10 kw per Richard Bibney in South Africa. Nigeria-a new sta on 557. R. Oyo is on 756 ex 656. The MBC has been replaced by the Federal Radio Corporation of Nigeria. Spain-R. Peninsular, Campo de Gibraltar on 1324. Sudan-Voice of the Music began broadcasts on 572 may 24. Sked is 0500-2100. Tunisia-Sfax 602 is off the air. Albania-1358 is used by the external service of R. Tirana from 0500-0530 in Bulgarian, and 0530-0600 in Greek. Angola-uses only 702, 944, 1088, and 1367 for R. Nacional de Angola. 702 and 1088 are sked 0500-0100; 1367 is sked 1630-0100. 944 s/on sked is not known but s/off is 0100. France-674 Marseilles is now 600 kw, 1241 Marseille is now 150 kw. Gabon 1575 Tchibanga is a new one 0530-2230 in FF and vernaculars. Great Britain BBC has dropped plans for a 227 tx. BBC has a 100 watt tx on 526.5 for tests on an upcoming traffic radio system. R. Manx is gone from 1594. Orfordness is indicated as being 500 kw on 1295, just as per the Geneva plan. International Waters R. Nebo II off the Libyan coast is reported on 1611. Nicaragua 1060 YHMB R. Futura, Managua is new with 10 kw. 1410 YHNS R. Ondas Populares, Leon is new with 3 kw. 1560 YHGW R. Minerva ex Ondas del Xolotlan. Panama 790 new is R. Libertad, provincia Herrera. 870 R. Guayai, David ex 890. 1090 R. Urraca ex 910. Bolivia R. El Mundo is supposed to be here with 2.5 kw, sked 1000-0300. Not a trace in Atlanta. Peru 1395 OAX7R R. Sicuani ex 1365, sked 1055-0500. Venezuela 540 R. Perija says their calls are YVOK and power is 60 kw. YVMP R. Lara is on 870 ex 880. 980 YVTE R. Exitos ex Exitos Novecientos Ochenta now 100 kw. 1300 YV.. R. Nacional de Venezuela Oriente is new with 10 kw. 1500 YVEB now R. Nacional de Venezuela ex R. Palitecnico. Great Britain Radio Two is supposed to go 24 hours 11/23. Gibraltar will sometimes use 1089 in addition to 1458 after 11/23. Costa Rica calls for 575 are TIRN. Transmissions started 9/15, Independence Day. Address is Apartado 10227, San Jose. Power is 50 kw. Dominican Republic Hiat 650 is 20 kw. HIAX M1 Radio, 1440 is now 5 kw. 1470 R. Clarin has a GP for Barahona. El Salvador YSEM 1080 now 5 kw. YSMN R. Libertad on 1160, ex 1390 and also now 5 kw.

Arctic, continued.... Nicaragua YNS 555 to 8 kw. YNRR R. Managua on 840 now 10 kw. YNW R. Mundial on 930, ex 920. 1295 R. Plaza now 10 kw. (Don't you believe it-they're not on 1295 at all-CH)1390 YNRP R. Mar now 2.5 kw. Panama HOMH Circuito RPC is now 25 kw. Trinidad and Tobago NBS 610 is now 50 kw with their new GCA tx. They are asking for reports on the new equipment!

New Zealand Radio DX League.... KTWB Guan has moved to 800 from 770.

From Distance: Costa Rica R. Monumental has relays on 650,875, 1050, 1140, 1360, 1420, and 1440, all 1130-0600.

Reporters:

Marc DeLorenzo Centerville, Mass. HQ100, SM1
 Chuck Hutton Decatur, Ga. R390A, 1900' Beverage
 Rich Kenneally Cincinnati, Ohio DX160, CB antenna
 Louis Poda Akron, Ohio R300, Guardian 7700, TRF, 60' wire

73 and send in those reports for the November frequency changes

GET SET FOR RADIO CHANGES..... BBC RADIO

On 23 November 1978 a new international agreement on long and medium wave broadcasting comes into operation. The last time governments met to allocate these air waves was in 1948.

Since then there has been such an increase in the number of radio stations throughout the world, especially in Europe, that a new agreement became vital.

At the moment there are 1,450 transmitters in Europe. In November there could be 2,700. With so many new transmitters coming into operation at increased power the BBC has had to work out new ways of giving UK listeners the best possible service. Reception in some areas will improve, with £3,000,000 being spent on new transmitters. Elsewhere the aim has been to reduce the likely levels of interference, particularly after dark.

Ways that radio dials are marked

Life is made more difficult because tuning positions can be expressed in a number of ways and no two radio sets seem to have dials that look alike. The dials shown in this leaflet have numbers going across from left to right, but just as many sets have numbers going up and down or even round in a circle.

Metres and Kilohertz

Some dials are marked in metres (m or mtrs) others are marked in kilohertz (kHz). Either can be used to show tuning positions for the medium and long wavebands and very often both are shown, as they are here. Metres and kHz are just different ways of measuring.

VHF and FM

For the vhf waveband, tuning positions are always expressed in megahertz (MHz). Some sets use FM to mark the vhf waveband. Others use vhf/FM. It amounts to the same thing.

The changes only affect BBC network services, Radio 1, 2, 3 and 4 on medium and long wave.

The tuning positions for vhf services are unchanged. Radio Scotland, Radio Wales, Radio Cymru and Radio Ulster are not affected. Most BBC Local Radio stations remain the same, and their frequencies are given overleaf.

Getting the best reception

Where there are alternative frequencies do try them out to see which gives the best reception in your area.

When listening to a portable on medium wave and long wave, turning the radio round can improve reception.

For vhf, portable radios have a telescopic rod aerial, which must be fully extended. Keeping the aerial straight up in the air is seldom the most effective way of using it. Try putting it at an angle and swinging it round slowly as you listen, to identify the position that gives the best sound. You can also try putting the radio in different parts of the room and at different angles to discover the best place for it. It is usually, though not always, best to raise the set as far as possible above floor level.

Will I need to buy a new set?

That depends on which programmes you listen to and where you live. Radio 4 listeners will need sets with long wave or vhf. At certain times of the day Radio 4 carries additional programmes on vhf so it is better to have a set with both long wave and vhf.

Radio 3 listeners in areas where the medium wave reception is poor are strongly recommended to listen on vhf. To get an indication of the standard of Radio 3 reception you may expect in your area after 23 November, tune in to Radio 1 which at present broadcasts on 1215 kHz/247m.

In Cambridge, Radio 3 will be on 1197kHz/251m.

To get the best from all BBC Radio Services throughout the day and at night, listeners need to be able to receive medium wave, long wave and vhf.

Remember - medium and long wave reception is usually much better during the daytime than after dark.

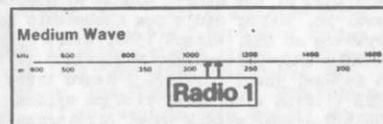
VHF reception does not change in this way. It should give you better quality sound and clearer reception.

Main new frequencies from 23 November 1978

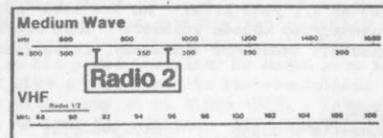


Radio 1 will have two new tuning positions both on the medium waveband. **1053 kHz/285m** and **1080 kHz/275m** are to be found close together on the dial and not too far away from the old position 247m. Which one you use will depend on where you live. Try them both to see which is better for your area.

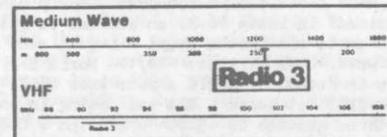
In the Bournemouth area there's a special frequency **1485 kHz/202m**.



The new tuning positions for Radio 2 will involve a change from long wave to medium wave. On most sets this means pushing a button or moving a switch to get medium wave, usually marked MW or AM, before tuning along the dial. There are two frequencies **883 kHz/432m** and **905 kHz/330m**. Try them both to discover which gives better reception in your area. Radio 2 remains on vhf between 88 and 91 MHz for listening in both mono and stereo. After dark listening on vhf may be preferable. In parts of Scotland where Radio 2 is already on medium wave, it moves to a new position on the same waveband.



The new tuning position for Radio 3 will be **1215 kHz/247m**, previously used for Radio 1. In spite of the changes, in some areas the reception on this frequency may still be poor, particularly after dark. In this case listening on vhf is strongly recommended. The vhf frequency remains unchanged, between 90 and 92.5 MHz, for listening in both mono and stereo.



The new tuning position for Radio 4 will move from the medium wave to the long waveband. It is on **200 kHz/1500m** long wave, the old Radio 2 position. Details of areas where Radio 4 remains on MW are given overleaf. To switch to the long waveband either press the button or move the switch to the position marked long wave (LW or L) before tuning along the dial.

The vhf service for Radio 4 in England remains between 92 and 95 MHz for listening in both mono and stereo. At certain times Radio 4 broadcasts different programmes on vhf, such as Schools Radio. Details can be found in *Radio Times*.



BBC Local Radio Stations

	Medium Wave kHz	m	VHF MHz
Birmingham	1458	206	95.6
Blackburn	855	351	96.4
Brighton	1485	202	95.3
Bristol	1548	194	95.5
Carlisle	756	397	95.6
	1458	206	—
Cleveland	1548	194	96.6
Derby	1116	269	96.5
	—	—	94.2
Humberside	1485	202	96.9
Leeds (subject to confirmation)	774	388	92.4
Leicester	1584	189	95.1
London	1458	206	94.9
Manchester	1458	206	95.1
Medway	1035	290	96.7
Merseyside	1485	202	95.8
Newcastle	1458	206	95.4
Nottingham	1521	197	95.4
Oxford	1485	202	95.2
Sheffield	1035	290	97.4
	—	—	88.6
Solent	999	300	96.1
(in Bournemouth)	1359	221	—
Stoke-on-Trent	1503	200	96.1

The new frequencies are in bold type.

Local variations where Radio 4 remains on medium wave

There will be additional medium wave services for Radio 4 in the following areas:

Aberdeen	1449kHz/207m
Carlisle	1485kHz/202m
Tyneside	603kHz/498m
Northern Ireland	720kHz/417m
South West	
Barnstaple	801kHz/375m
Exeter	990kHz/303m
Plymouth	855kHz/351m
Redruth	756kHz/397m
Torbay	1458kHz/206m

SENT IN BY GLENN HAUSER

MUSINGS

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

ERNEST R. COOPER
5 ANTHONY STREET
PROVINCETOWN, MASS. 02657

THREE NEW ONES IN THREE MINUTES

MARK STRICKERT - 5715 North Kenmore - Apt. 302 - Chicago, Illinois - 60660 10/24/78
Greetings from the North Side. I had a nice vacation in San Francisco, but unfortunately lost my NRC Directory just before departing. I could only track down HILL HARANG, whom I visited in San Jose - sorry BARR's, catch you next year! Glancing at the "They Joined" in issue 46-2, an address caught my eye - that of new member NORMAN W. GEUDER. He's not quite six blocks away! I just sent my renewal in, and my dad's new membership goes in this week. DX hillites: 10/10- World Series everywhere on CBS, except 1580, where play-by-play was in French. Would anyone know who? (Undoubtedly CBJ, Chicoutimi, P.Q. -ERC) 10/16- KFUD-850-TEST not heard - KOA was coming in poorly at 2:30am, yawn! 10/17- I heard three IDs in three minutes on 1320: WPHR 11pm w/CBS NX, WLSL 11:01pm w/rr, WKAN 11:03pm w/local NX. WBCS-1340 barely o/slop @ 11:25pm w/c/w. 10/22- WSGN-610 o/WDAF w/talk show, Birmingham # 942-0600. No sign of WIP at all! WCFL carries Black Hawk hockey here, w/ex-WLW Cincinnati Stinger announcer Andy McWilliams as PEP & Bud Kelly as the uncolorful color man. WIND has Bulls BKB, with Jim Durham PEP. Lastly, I hope WIMS aims their new night 5kw job in one direction - straight down! Note to JOHN BOWKER: The AM Switch is very readable. I've had my say for 2-day, so 73 till next time!

ON HOBBIES

HILL HARANG - 811 Nevada Avenue - San Jose, California - 95125
I believe that sometimes us DXers (like all hobbyists with their hobby) take our hobby too seriously. After all, isn't it just a hobby? On the other hand, today hobbies are more important than ever in man's history. In America, we have more leisure than we have ever had in the past. The shorter work week and the fact we will live longer than our parents gives us this new leisure. Throughout our lives, each of us will have thousands of free hours after studying or working. Interesting hobbies can be the best answer to the question of how to use our hours. The early choice of both indoor and outdoor hobbies can make the difference between wasting a big part of our lives and enjoying full, creative lives. The hobby you choose may be one that will keep you interested all your life. On the other hand, it may be one that you will outgrow and it may be necessary to choose another. Some hobbies lead directly to jobs, others just to continuous pleasure. Whatever the hobby, it is good if it keeps you busy and happy.

SSes ON GRAVEYARD CHANNELS

ROY BARSTOW - 70 Heritage Circle - Teaticket, Massachusetts - 02536 617-548-2329
MM 10/2- SS everywhere. R Sensation, TGK-1240 was pounding in @ 12:25am. All that evening I concentrated on SS on graveyard channels. I had them on 1240, 1400, 1450, & 1490. I stuck with 1450 and there were two in there fighting it out. They were in all evening & I heard mention of Venezuela a lot and also Maracaibo. I believe they were IVJJ & IVZQ. I have them on reel-to-reel tape @ 3 1/2 IPS. If anyone with knowledge of Spanish would like to help me ID them, I could send the tapes to them. MM 10/9- WJCA-570 off and c/w station there, who are they? (WKBN is likely -ERC) Not much else heard this AM & both TESTs not heard. 10/11- WKBW-1520 OC @ 2:40am & off the air at times. Only thing there was SS and splatter from WITS-1510. 73 for now.

BUILDING UP HIS OHIO LOG

PAUL MOUNT - 35 1/2 West Columbus Street - Nelsonville, Ohio - 45764 614-753-3280 10/5/78
Is WWSW the station w/CW IDing as "Double Double" and "AM97 Double Country"? They were heard 9/22. CFYN-1050, good o/WHN/CHUM, what is location? (Sault Ste. Marie, Ont. - ERC) I don't have NRC Log yet. WKLO-1080 o/WIIC & other 11:58pm, I bet I'll get WKLO better than some of the LADS. 9/23- CHOK-1070 o/WIBC 12:05am. WINX-1600 Rockville, Md. good w/rr 12:20, in/out w/QRM, promoted WINX bumper sticker contest; WRL w/NX @ 12:58, ID @ 1, as loud as in Teaneck. SSS & evening: WTOD-1560 s/off 7:45, a regular. WJVA-1580 in w/ID @ 7:50, "Release Me." WNTS-1590 in w/gospel to 7:59, then s/off mentioned "daytime AM station" & "programs & music to touch your life." No SSB. On 1470, a mix of rr - WPAR Farrell Pa.'s countdown, & WOHO Toledo 8:05-8:16pm. 9/25, my first MM - Three on 1370, WSPD saying it's been nine months since they played country. Three on 590, a Cuban, an MoR giving Ottawa temperature, 12:30am, & WOW giving Omaha parking info, state #17. CHOO-1390 good 12:55 "Choo Country", gospel, & TT there too. Gospel went to NX @ 1, announcer Kathy; s/off 1:08 on 560 mentioned 1490, I suspect CPDS as O Canada followed. Tester on 1560 w/segued country 1:12-1:26 & checks back to 2:00, no IDs. 9/26- WAKY-790 w/ID @ 8, sun out, at 193 miles, 10/5- WRDD-1440 Bay City, Mich. ex-WBGM w/c/w 8:35pm "Big Redd Radio, WRDD" jingle. Funny, WOUB (12 miles) and this were about all I could get in the kitchen amidst QRM. Totals: 93/17/1/3.

WE'RE ON OUR WEEKLY SKED NOW AS YOU CAN SEE BY THE DATE YOU RECEIVED THIS DX NEWS AS COMPARED TO THE LAST ONE. IS THERE A MUSING FROM YOU IN HERE? IF NOT, PLEASE PLACE YOURSELF IN THE GOOD COMPANY OF THOSE WHO CONTRIBUTE REGULARLY TO THIS COLUMN. PLEASE USE A.M. & P.M. EST.

VISITED BY ERNIE COOPER

BILL WURTZEL - 32 West 31 Street - New York, New York - 10001 212-594-4892 10/13/78
Every DXer dreams of being visited by a famous person. Well, I was the lucky person to have ERNIE COOPER stay overnight (we got only five hours' sleep). I always wondered why Ernie's TRF played so clear, until I found out he keeps dropping it into pitchers of beer! I played a few Bob Dylan songs on my stereo, which he liked a lot, especially "Lily, Rosemary, and the Jack of Hearts." He even got into Street Legal's songs on the new album. He read many pages of my poetry and was surprised to learn that I also write good, serious poetry, instead of poems on radio stations and DXers, which appeared in DX NEWS. On Tuesday 10/3 Ernie & I had breakfast at his cousin's place in Brooklyn. Then we drove out to the beach to DX. Ernie told me he always wanted to be on the radio, then he sat down on his TRF. (laugh!) We wondered how to stop WOR's annoying slop. Drop the radio, or on a cassette model, press the stop button. We were near New York's JFK Airport & when I told Ernie I saw a Concorde aboard the bus, he asked, "How did they get the Concorde on a bus?" When he told me his dog had puppies when it was ten months old, I told him at that age I wasn't even walking yet. During a winter storm, Ernie said the water came up to within one inch of his door. I told him I hope your radios are waterproof. Now some DX: WBSU-850 Reading, Pa. came in with a strong signal. Three stations came in on 1220, WCDQ Hamden, Conn., WQNY Newburgh, N.Y. and WRIB, Providence, R.I. 590 also brought in three stations: WARM Scranton, WROW Albany, and WERI Boston. WBZ-1030 Boston came in well. Many other stations were also heard. If you want to know why all those typing errors appear in the Musings, it is because Ernie types with a can of beer in his left hand. (what typing errors??? -ERC) Here is a short poem I wrote while Ernie was dodging the traffic, "DXing on Beachsand".
Tires on the road in Far Rockaway Watch out for that hole in the road!
On a dark and cloudy day Look over there, I see a toad!
Seagulls sitting on a streetlight People fishing from a pier
O.K. Ernie, drive to the right. I'm so glad I DXed here.
(I was delighted to have been invited! -ERC)

ENJOYING SUNSET DXING

ELLIOT R. STRAUS - 27 Devon Drive - West Orange, New Jersey - 07052 201-736-1681
Well, the DXing season has hit its stride now for me; working new hours & letting me DX sunset for the first time in years is great. Six new stations added this week & 25 reports out in the last month. Recent veries: WBRW-1170, WQTT-1000, WQTM-1570, WKDR-1070. Totals to 1,360/581, 70/26, 44/40, 9/8. The only bad news of late is no TA's, oh, an occasional carrier bur precious little audio on any except Sud-818 & Portugal-665 on a MM; I hope we get a break on these. DXing with JOHN KROMKA this past Sunday logged three newies as John worked the R-390A and I worked the loop. DON ERICKSON, about the questionnaire, sent out for DDXA, how about dividing the standings into categories based on number of years DXing. for instance, less than five years, 5-10 years, 10-15 etc., then, as one moved up in a category as his years increased he would move into the group closest to the number of years DXing, might give a more accurate representation, rather than a DXer of five years listed in the same group with a guy at it since 1925. I've got a phone in the shack now and am definitely at it every MM from 2 to 5:15am. If anyone in the North-East wants to get a network going with exchanging lists of most needed stuff and being able to call on MMs if something comes up, let me know. That's about it from this end for now, adios amigos, see you soon! C'mon Panche, let's get out of here.

DX IS SLOW

RAY ARRUDA - 37 Burt Street - Acushnet, Massachusetts - 02743
I never did get back to KFUD or WAVC to see if their TESTs ever did get on the air. It's doubtful that either one was on as evidenced by recent reports in DX NEWS. It has been frustrating and quite expensive this season with 50 CPC requests out, with only SIX replies since 9/5. Two out of those six said they would test, with concrete arrangements made, and apparently neither was on the air. One possibility left is KUOM-770. They may run a MM TEST for us, time permitting, early next Year. I'll keep my fingers crossed. WADE-1210 TEST was on @ 1am 9/27, but I wasn't notified until about six hours before by phone call, so I made several phone calls myself to try and get the word out. DX has been very slow for this time with WADE-1210 & WYZD-1560 the only two from N.C. added & reported since 9/19. VJ just was received the other day from WYZD, which is the first verie of the new season for me. I hope to see many of you up the house on Sunday 11/16 at noon. The "New England Network" will be at the GTG. Acushnet is only 50 miles from Boston & 35 from Providence. I'd like to thank ERUCE WINKELMAN for his fine work with AM Switch and welcome new editor JOHN BOWKER. This column is non-weekly, but contains an abundance of useful info. 73. (KFUD was on - ERC)

GOOD LUCK WITH AURORAL DX

HILL TOWNSHEND - 4500 Connecticut Avenue N.W. #901 - Washington, D.C. 20008
Hello once again from Peanut Town. My first verie (v/c) came in the mail 21 days after my midday reception of WJW-700, the other QSL (WJJD-1160) in midday is still in the mill. I only QSL the prize catches. About the early October Aurora, it must have been an A-index of 70, rivaling the one I saw last January (1/4) from the plane off Newfoundland on my return from a week in the Holy Land. I was at the desk from 8pm until 2:20am Sunday night 10/1 (except a 30-minute NI break), being rewarded with 14 LA catches (including five from Colombia & three from Haiti, which I never logged before) plus two from Florida, WEAT & WHEL. NDE also came in strong. The stations dlobbered that night were: WNBC, WABC, WBSB, WLS, CEM, WINS, WCFL, KDKA, WBZ, WHO, WEN, KTW, WIIC, & WNEW. WJVA & WCAU were barely audible and even WBT & WRVA to the S had to struggle to be heard. Normally their signals are super. 73.

FORTY SIX NEW ONES SO FAR THIS SEASON

DOUGLASS ALLEN - 15 Lafayette Street - Schenectady, New York - 12305 10/25/78
I also visited Ernie's old stomping grounds when I ran through Brooklyn in N.Y.C. Marathon! By the way, ERG, WNNR is ex-WOWW-1380. On to DX. MM 10/1- Five new ones: R. Monumental-650 @ 4:20am on top with several good IDs, my 9th Costa Rican; CHI-1140 @ 5:11 u/WVVA with Nova Scotia WX; Estacion Equis-750 @ 5:28 with "La Equis" IDs; WMMY-1260 @ 6:01 s/on w/SSB; Ondas Tropicales-1200 @ 6:20, my second Panamanian. 10/7- CFCU-620 @ 10pm on top with FF ID & NX; CKEY-590 @ 10:45 u/null'd WROW. MM 10/9- Unn KSO-1460 @ 2:27 u/WOKO OC. Unn KMX-1070 @ 3:35 booming in w/NX. Unn WHOO-990 @ 3:40 "on the air for equipment services." WSUN-620 @ 3:44 w/ID, into c/w. WNNR-620 @ 3:48 briefly on top with "This is WNNR." Evening brought many TA carriers w/Monaco-1466 @ 11:15pm & Albania-1394 @ 11:18 peaking well above noise. CHLC-580 @ 11:24 w/FF ID, WMT-600 @ 11:47pm good with preview of CBS Mystery Theatre & ID. 10/12- Unn Radiolandia-1160 strong @ 11:15pm. 10/13- Radiolandia-1160 still strong at midnight, & R. Mil-1180 audible u/null'd WHAM, both Dominican stations s/off with same NA & 12:01am. Two new daytimers, WFA-1580 & WCFR-1480 heard well around 10:30am. 10/14- R. Almirante-1200 @ 9:45pm o/VOZ/VOAL. 10/15- KFAB-1110 @ 4:55am, state #35 on first try thanks to FRANK DALLEY's article in DX NEWS. 10/9- Unn CKJD-1110 o/u KFAB. KFI-640 @ 5:20am w/Cuban null'd. CHN-640 @ 5:43 //--unn CHBN-740 which was stronger. MM 10/16 brought seven new ones with Monday evening bringing three additional ones including a new state, again thanks to FRANK DALLEY's article. WJJC-850 @ 2:30am testing w/ID while trying for unheard KFUD TEST. La Grande de Sonora-1580 @ 2:48am with lots of talk & ID before each MoR or semi-cl. WDEP-1600 @ 2:50am, two fair IDs, an ET I think. KATZ-1600 @ 3-4:15+ strong, NSP, w/NBN NX, many PSA's alone on frequency. WETT-1590 @ 3:45 w/WAKR null'd. WBSN-1460 @ 4:05 w/NX, ID, and PSA. WFAT-1610 @ 4:15, fair with monologue & many IDs. McGrane stated station has been on the air since Jan. 1. My first pirate! Evening 10/16 produced WPC-940 @ 7:30 w/s/off, no SSB, my second Miss. u/null'd CHM. KXIL-1580 @ 9pm w/Phoenix WX forecast "Low 75, high 95." No ID, but I'll take it for state #36 & try again for ID later, o/CBJ briefly. Apparent s/off or lower power as signal abruptly disappeared @ 9. CHYR-730 @ 10:22pm u/null'd CKAC completed the bonanza of ten new ones! Forty-six new ones this season brings me up to 571 heard. I love it! More comments on Daley's useful article next Muse. Everyone support Ernie by sending in these Musings! 73.

TWILIGHT TIME IS DX TIME

HARRY J. HAYES - Star Route - Box 226c - Gouldsboro, Pennsylvania - 18424 EDT
CX for the reporting period have been un-Auroral so I haven't, been doing any SSS work on the regionals. I DX on the same RX from two locations using different SM-2's. 10/12, from Wilkes-Barre, Pa., ten miles SW of Gouldsboro: 6:28pm, WUIS-690 Phoenixville, Pa. w/REL programming. I never heard Mr. McIntire's station so this is new. 6:30, WEMD-750 & WSID-1010 both in from Baltimore w/s/off, good signals. 'Tis good to hear from my old stomping ground, Baltimore. 10/14- Tentative WBER-970 N.Y. w/s/off @ 1am, mentioned NPR net. 10/15- 2:50pm, WGR-1300 Spring Valley, N.Y. replacing WKQW, puts in a good signal here on what was practically a blank channel in the daytime. 10/17- 7pm, WIRV-1550 cutting through the slop w/s/off. 7:50, TWR-1466 cutting through domestics nicely at times. I didn't think Europe would make it past the mountains into Wilkes-Barre so well. 10/20- From Gouldsboro: WUIX-690 New Orleans, tentative, New Orleans mentioned. I need this one badly. 10/21- 7:20 pm, WAAM-1600 Ann Arbor, Mich. coming in w/local-like signal. The CE apparently forgot to throw the nighttime switch. Other DX doings: I am getting my hopes up for the F2 skip to get up to Ch. 2 this Fall or next Spring to bring in some nice South American receptions. It could happen, the flux is really getting up there in the 180's already. 73.

KIUP-TEST TENTATIVELY HEARD IN TENNESSEE

LARRY VAN HORN - 7870A Corsair - Millington, Tennessee - 38053 901-872-7116 10/23/78
Welcome again to another Muse from the DX Capital of the Mid-South. I do have some new stations added to the totals this week so here goes. 10/20- 7:14pm, WEXY-1580 w/s/off announcement, 7:15pm, WLJ-1580 Tenn. w/s/off announcement. 10/21- 6am, WQJR-1560 N.Y. w/s/on announcement for AM & FM affiliate, then local NX. 8am, WEST-1580 Miss. w/s/on announcement & local promo. 10/23- 1:55am, TICAL-525 w/SS male announcement. I thought they were going to s/off, but I did catch Rumbo ID at the hour with excellent signal strength. 2:15am, KIUP-930-DX TEST, I noted a weird set of tones on frequency which sounded like our wall siren position in our security patrol vehicles here at the base. It quit every time the station would ID so I assumed it was from KIUP. Weird tones - anybody else notice it? (I did here -ERC) If it came from KIUP it sure made that signal stand out in the QRM. Current totals are 411/69 stations, 37/25 states, 17/4 countries, 3/1 provinces. Tape totals: 135 stations, 27 states, seven countries, one province. I had a nice chat this week with the VB (?? -ERC) DXer MIKE DEITZ and was glad to hear that Mike and Barbara are well. To RICH EDLIE, I hope to get down to KSUD some time in the next couple of weeks, so hang in there. Anyone else with verie problems in the area, drop me a line or two. Per membership list, is that the same DENNIS VROOM in California that I used to tapespond with from San Antonio in the 60s? Well, that's about it for this week & remember what they say at WSAI, "Will you attend St. Louis in '78? We will, and we hope to see you all there. 73s & C U in 7.

CALLING ANYONE INTERESTED IN A SANTO DOMINGO GTG

RONALD F. SCHATZ - 5651 S.W. 2 Court (106) - Margate, Florida - 33068
Greetings from the ideal DX location! I only wish the DX were ideal; decency prevents me from accurately describing the new DX season so far. Anyway, I really enjoyed the Atlanta Convention, my first in three years, and seeing a lot of new faces, especially from Dixie. Special thanks go to my roommate, Cesar Objio, for tolerating me all that time. His holiness, St. Louis, is uncertain for me at this time. More definite is a con-

(Schatz, con'd.) vention in Québec City next July folo by a side trip to Gaspé and the Maritimes; will I bag Godhaab-570 from there? Sounds more likely than the Falklands, hi! Y cará! Bienvenido al club, Teo Veras, de Sto. Domingo! De veras! Now that we've got three NRCers in "merengue-land", perhaps I'll drop down for a week around Christmas. Anyone else want to join me for a DX get-together down there? It's only \$120 R.T. from Miami. Horn here is 1-305-971-3605 before 11pm ELT; I speak English, hi. 73 de RFS.

BALTIMORE ORIOLES ARE SWITCHING TO WFBR-1300

ALLEN W. LUCKEY - 26 Gene Avenue - New Castle, Delaware - 19720
Another season has arrived here with the addition of a new state, Miss., at last. WOKJ-1550 received here w/solid copy 9/25 around 3am. I heard him through the still persistant electrical noise, hi. That makes 36 states heard. Vermont & Maine are my two goals for this season, along with Kansas. I'm not greedy, three will be fine, hi. I got to play around with the Sony CRF-320 recently and was impressed with all the gadgets they can stuff into a transistor portable. Although I haven't listened to SW in years, the unit seemed to be quite sensitive. One drawback on the BCB was a strong image of local WILM-1450 at 540. The literature claims dual conversion but they seem to have skimped on the BCB as is normal. Sensitivity on MW seemed good though. My latest attempts at the dials have netted the following: 9/25 SSS, WVFC-1530 good, WARD-1540 u/WRCF, WCEG-1590 in WQIQ's and others' mess. WAYC-1600 on top w/PSA @ 6:07pm. 10/24, SSS, WVSC-990, this one easy, WQIT-1000 the first time for this one since DX TEST of two or three Winters ago, WSEN-1050 on top, WSDQ-1220, WBAW-1330 w/good signal, WWBK-1560. Also of interest to sports buffs, it seems the Baltimore Orioles will be switching flagships next year. WBAW will hand over the reins to WFBR. Money, or an abundance of it in WFBR's case was said to be the primary reason. The television flagships will also change. No reason given for the TV switchover, but probably the same as on radio - money. I enjoyed the Convention pictures in DX NEWS. It would have been nice to have been there but vacations this year will be used to winterize the old homestead. My wife & I travelled through the Atlanta area three years ago and found the area very much to our liking. We especially enjoyed Stone Mountain which is where we camped. We parked our tent about 7' from the water's edge and were raided by ducks the following morning. That's about all for now. Next time I will rant & rave about mountaintop DXing. 73s to all & good DXing.

ILLNESS IN FAMILY: BUZZES ON THE DIALS & TROUBLE AT WCHE

DAVE SCHMIDT - 43 Chelwynne Road - Castle Hills - New Castle, Pennsylvania - 19720 10/23/78
It looks as though this season is going to be getting a late start for myself because of a few problems at this end. During the first two weeks of October, it seems as if everything was breaking down between WCHE and WCUR, which meant many a sleepless night, hi! Then on 10/22, our 1 1/2 year old daughter was hospitalized with a breathing problem, which stemmed from her asthma. A few things were heard and reported last month, to wit: 9/5- WPCG-1400 12:29-12:34am w/a two minute f/c, then gospel stuff. 9/11- WEXY-1600 2:02-2:05am, very strong with their shortie r/c. 9/24- WNEH-1340 1:58-2:10am w/NX & MoR stuff, topping the pack. Verie total is at 962 with the following added: v/r- WNEH-1340. v/l- WDEP-1080 (Pa. #136), WIEG-1520, & WKEE-1430, the last three by way of the f/up route. Lately, the line noise problem has been back, so a letter to the power company about two weeks back seems to have brought some partial results, both ALLEN LUCKEY & myself have been getting nailed with it all Summer, even after the power company installed NEW lines in the area causing the problem. Then this MH (10/23), I was being sotted with an S-9 noise which sounded like a portable electric heater running AN. To those who sent me reports for WQIQ, if you have not received a reply, please send another report. It seems as my last contact was fired shortly after I gave him the reports. He mentioned he answered two and the others were probably lost in the shuffle. I've got another person who will probably be willing to answer. I noticed in an issue of Broadcasting at WCHE where 1080, Huntingdon, Pa. was issued the calls WQRO, but I have seen nothing on the CP being issued. There was also an item on a CP being turned down for an 1190 Somerset, Pa. w/1,000w day. On a recent trip to the Columbia, Pa. area, there is no sign of what is supposed to be WEXY-1580. The old studios have been changed over to a house, the studios in the Park City Mall are gone, and no tower was located so I guess if that one ever returns, it'll be a completely new station. And I've noticed that no one has yet to report WUIS-690, they've been on for about two months now. That should be it from this end for now, I hope to have some better news and some DX to report next time. 73s.

TELLS OF THE POOR CONDUCTIVITY OF GROUND IN HIS AREA

PHILIP EDERMA - 15570 Gleveland Street - Spring Lake, Michigan - 49456
Well, since I just renewed for my third year in NRC, I guess a Muse is in order. For ye who forgot what (or who) I am, here's the re-intro: 21, single, currently working for a living (NOT my favorite hobby, hi) at a gas station, as well as doing a weekend stint on WKJR-1520 (which is more fun than pumping gas!). Anyway, I've not been actively DXing for a couple of years, but the BCB still interests me. I'll be going back to college in January, maybe get some intelligence beat into me. NRCer RICHARD PISTEK paid a visit up here a couple weeks ago; it's always a pleasure to meet fellow NRCers. He seemed quite amazed at the low ground conductivity in this part of Michigan (at 2 mmbos, about the worst in the country). Low ground conductivity means that even 10,000w stations like WKJR do not get out on groundwave as well as stations in other parts of the country might. But it's great soil for a Beverage, if someone ever wants to put one up! WKJR has applied for 500w nighttime power, w/a six-tower pattern at night, sending the signal to the N of their XR. I've seen the consulting engineer's report on this application, & according to that, the station would be interference free only out to the 6.8 mv/m contour, which means they'll have a hard time covering all of the metro Muskegon area. My own opinion is, their FM does just fine, why try such a flea-powered night operation on AM? 73s. (How about a DX TEST, Philip??? -ERC)

WELCOME TO THE N.R.C., TOM! HE MEETS BILL WURTZEL

THOMAS M. SEITZ - 153 East 26 Street - 2A - New York, New York - 10010

Hello! I am an insurance clerk and 36 years old. BILL WURTZEL was kind enough to contact me here on the NE Coast. Bill only lives a few blocks away from me in Manhattan. We discussed the potentials of various receivers for DX etc. It was very nice to meet a member of the NRC & exchange information. I first became interested in DX on MW when I visited my local magazine store. My eye caught a magazine titled "Communications World." I read it cover to cover & was hooked. That night I purchased a somewhat more sensitive transistor pocket portable & was surprised to pull in KFBE Sacramento, while living in Los Angeles at the time. I soon became interested in SW & joined an SW club. But I had always had a strong desire to DX the MW band. Some of the RXes I used lacked proper frequency readout on the dial making my interest somewhat limited until I was able & lucky to find an SW#4 RX for only \$50 with 1 kHz readout. Since then I have purchased a DA-7 loop antenna. I must agree with the NRC evaluation of this loop antenna being somewhat erratic. Though its advertising states it works well with the DA-5 or DA-7 receivers. Its sensitivity control gain though I have found excellent. Many of my catches have been from turning the RF gain down, not up. In one month I have DXed 20 states & over 50 stations. I found FRANK DAILEY's article for New England DXers very helpful in adding to my log of states. Virginia was overlooked in his list of states. May I suggest Richmond's WRVA-1140. In the meantime I am doing research on MW Radio propagation. I am also interested in loop antenna design & theory. I would like to see a well-designed loop that does not have to be large & can be put together without any special tools, & does not have to have an engineer's degree to understand. I am working on it. BILL WURTZEL told me of his latest catch KFI & I tried to duplicate it on my SW#4 & found R. Liberation on 640 instead! SM 10/22 turned out to be a very good DX period for me. At about 1am I heard Trans-World Radio completely drowning out CKLW. WJR Detroit heard with a good signal, WBAP Ft. Worth was very audible. I still have not been able to catch WDAI, but will settle for Fort Worth as Texas logged. Until next Musing, happy DXing & so long.

NO NAME OR ADDRESS, BUT DXES WITH A CRYSTAL SET - IT'S NOT MIKE TUGGLE

Big news here is logging of Belize-894 & Costa Rica-575 on the Lyonodyne Crystal set. My crystal has a 5 kHz readout from 540 to 900 kHz & ten kHz readout above 900 by using a 5 1/2" diameter dial. One of my TRF's chassis has been put in a speaker cabinet using a 6" diameter dial that has same readout as crystal dial. The C cell battery pack was replaced with a D cell pack. Slide volume & tone controls were replaced with rotary pots. Antenna removed from chassis & put on top of cabinet on a swivel that allows any angle tilt & rotation. The antenna is tuned with separate cap. That give sharp peak every ten kHz.

SHOWS EXCELLENT RATIO OF VERIES TO 1977-78 CATCHES

MARTY WRIGHT - 1913 Jeanette Lane #7 - Springfield, Illinois - 62702 10/23/78
Never give up hope on a verie. This was especially impressed on me this month with receipt of one from WRBC-1300 arriving here 10/3, almost FIVE YEARS after my 12/73 report! The verie included all four of my f/ups, all signed - and a v/l. The letter stated 10/1 was the last day of the station on the air - I never heard of them going off - perhaps just a change in call? DX the past year has been passable, whenever I could find time, with 81 new ones in the log, of which 71 have verified so far. Best was KAKE-1240 heard in RS on 2/13 u/local WTAX's OC, audible 16 minutes. 8/21 found KGTN-1530-TEST, first heard @ 1:38am w/TT then ID & s/off @ 1:44. New Jersey finally verified, w/WBEZ on r/c 9/7. October so far: KRYN-1460, WRV-1550, WFCF-1470, WKXD-1500 all r/c, all good signals. 10/9- KLAZ-1250 blasted in alone with good log for 2:05-2:23am period, v/l back in four days. 10/15 found WSLM-1220 in well 6:59-7:08pm w/religion. They never verified on two previous reports but back on this one in seven days, v/l. Outstanding holdouts now are three of last season's TESTS - WSSA, WKAP, KPAR not heard from yet. Tape to KPAR for outstanding signal, f/ups out last month but still no veries. I'll try to Muse more often this season but new duties as WCVS NxD occupy much time. Incidentally send all WCVS reports to me for a better verie. (How about a 1kw TEST from WCVS, Marty?? -ERC)

ALREADY PLANNING ON BEING AT OUR 1979 ST. LOUIS CONVENTION

KEN ONYSCHUK - 139 Fir - Park Forest, Illinois - 60466 10/24/78
Good-day to a world-wide audience of DXers of all ages & nationalities. This semi-active DXer is simply not seriously DXing. Those eight DX Contests are attractive but I just don't have the time for it. I guess it's just that changes in local formats & weather caused me to stick w/a few locals or even an MoR FMer. A few comments to our large audience: The new AM Switch is A-OK to me. All changes should have frequency, state & call letters. I'm surprised by all those datymers going fulltime. The past Summer was dominated by one aggravation, constantly. I believe I read somewhere in a DX NEWS, where WMOE-1060 was changing its night pattern. Man, did they ever do a number on KYW when I wanted to catch several Phillies' games, especially on the car RX. One early Fall surprise was catching WRBA-1440 carrying a Cubs-Cards game 9-9:30pm during the last week of the BB season - only the second time they've been heard here, kind of a shock, hi! A note to the NBA Network - Indiana Pacers are on WIBC-1070 per phone call. WSB-750 noted 10/24 carrying Atlanta Hawks BKB, I hope regularly, but I missed the fine voice of Skip Covay. I hope to attend Brian Sherwood's OTG at Thanks-giving. I just got my tape recorder fixed & have 22 tapes to sort out. It was a pleasure to read where the NRC Convention will be in ST. LOUIS in 1979. I sure am anxious to meet the famous ERNEST R. COOPER in person, hi! Plus a hundred others who voluntarily run this Club & produce a terrific bulletin. I am anxious to see a big Pattern Book updater. It's been a long time. As of 10/24, the FCC still has not approved the sale of WCFL to MBS. I understand there's a complaint of unfair competition in the Texas area holding things up. 10/24 Chicago Tribune says ex-WIND mx listeners will flock to either WLS, WFTF-FM or WCLR-FM. I usually listen to their NX blocks only, 5-9am & 4-7pm. I hope for dozens of Midwest Musings. 73.

STEVE BOHAC UPDATES ROGER'S HQ-180 - HE'S PLEASED!

ROGER (ANDY) ANDERSON - 913 North Larrimore Street - Arlington, Virginia - 22205 10/24/78

It's been quite a long period of time since I've sent into Musings, so here's an update. DXing started in the late 1930's with QSL from WLBW in 1938 as first. Through the active 1940's (after three years in Navy & four years in Grove City, Pa. college), the great foreign DX of 1950's & early 1960's. The "bug" waned slightly into 1970's when DX was a seldom thing. Total veries are 1,448 with 514 foreign from 105 countries in six continents. Since 1956 foreign DXing has been my specialty. Present RXes are an HQ-129-X (1951 vintage) & a modified HQ-180. In 1940's I worked through Hallicrafters S-38, SX-42 & SX-43. This past Winter I bought an HQ-180 from an ad in Ham Traders' Yellow Pages. Through the recommendation of ERC & KELLY ANDREWS, I had STEVE BOHAC (NRC), Fairview, N.J. overhaul and align it. He realigned all bands, checked & replaced several tubes, "guttled" power supply, replaced clock with mixer-trimmer, cleaned controls & contacts. To anyone in NRC needing a complete receiver overhaul, I can't recommend Steve's conscientious work enough. I was completely satisfied. My son & I made the trip from Arlington to Fairview to pick up the HQ-180 via wife's home in Central Pa. & a nice trip through the Poconos & Delaware Water Gap. A nice visit at his home, also. I was spoiled when I saw his NRC FET Altazimuth Loop antenna. If furniture & receivers can be rearranged or removed from den, I hope to have one to use. All these years with single wire antennas, and then I see this beauty! Two vacations at Scientists' Cliffs along Chesapeake Bay in Calvert County, Md. gave time to check a Realistic TRF portable. Great daytime reception from Norfolk to Boston. Other prime interests in Chesapeake Bay country: marine fossil collecting (shark teeth, etc.) crabbing, swimming, bird watching. Surprising daytime reception this past Sunday in Orange, Va., home of one daughter brought WJR, WSM, WLW, WHAS, KDKA, WOR, WABC, etc. on Plymouth car radio in 75° noontime warmth. I hope to hit the dials with rejuvenated HQ-180 and spirit 73 to all.

TENTATIVE RECEPTION OF KPIK-1580 REVIVES HIS INTEREST

MARK BAILEY - 1414 Braden Crescent - Norfolk, Virginia - 23502

It's been a long time since I've graced these pages, so here goes. Going back a bit, to late March, on 3/20- WDXB-1490 Tenn. in @ 1:20am. 3/21- WAGE-730 Mass., a surprise, in @ 6:07am. 3/26- WAVZ-1300 Conn. @ 3:10am. 3/28- WQHE TEST was heard under & through WKWB, signals fair. On same day, WJMA-1340 Va. in @ 7:30pm. 4/2- WMLL-1340 N.Y. @ 3:59am. 4/5- WAAO-1530 Ala. in @ 7:05pm w/"AAO Weather". 4/8- WFSR-1470 Ky. r/c heard w/good signals, verie received. 4/9- WYDE-850 Ala. in @ 7:04pm, as WRAP was off the air. I heard WX & ID, then WRAP came on! 4/10- WCAZ-990 Ill. on r/c @ 1:23am. 4/12- WEDD-1270 Va. w/s/off @ 7pm. 4/21- WBBY-1260 on f/c heard @ 1:17am. Four minutes later WYHI-1570 Fla. was bagged on r/c, report sent. And then on Sunday, 4/23, a surprise in WBEH-1480 Va. Why a surprise? Because, in case anyone was wondering, this station operates only on Sundays from 9-12, otherwise WLEE is there - heard @ 12. 4/25- WFTF-1450 Va. on r/c @ 1am, signals good. 4/29- WRSI-1520 Ky. in @ 7:15pm w/s/off. 6/3, I finally logged WITS-1510, Mass. ex-WMKI. On same day, local T-storms knocked WPCE-1400 off the air, so I tuned in WGGM-1410 Va., ex-WKII, @ 7:10pm. 7/10- WWHO TEST heard. 7/24- WANN-1070 Fla. TEST heard. Then, on 9/25, my latest catch in WIEG-1520 N.J., ex-WSLT, WIEG, ex-990 kc/s! DXing has been nil lately due to job, school, sleep. But I've heard from fellow DXer EDWARD COTTON that KPIK-1580 Colo. has been heard two hours after LSS. If you try for this, listen for an "echo chamber" between KPIK & WCLS. If you hear this echo, you're probably hearing KPIK. I tried for it tonight & heard it tentatively, not sure, though. WVEC-1490 is no more. It is now WUDE, or if you will, 2-W-D-1 Log this one for a call change. My interest in the hobby going down has been due not only to my job, school & sleep, but also to an especially zilch TV-FM season which saw only four new TV stations & a more productive 24 FM stations. But my interest in the hobby has been rekindled due to KPIK & a new season which is the best I've ever seen! This may be the best one in a long while if it keeps going at its present rate. What are the best bets for Vermont & North Dakota? I need these states. 73's & good DX to all. Totals, 1,108/61. (WMTT-620 is AN-6 and for N.D., the r/c of KFGC-790, second MM, 2:30-2:45am are my suggestions - ERC)

HIS 160-METER HAM STATION WAS HEARD IN RUSSIA

HARRY W. JONES - 9612 Atwood Road - Vienna, Virginia - 22180

K4FIC 10/22/78

The writer & son, Harry III, W4ASJ, greatly enjoyed attending our first NRC Convention in Atlanta. The technical presentations by RON SCHATZ and CHUCK HUTTON were excellent & as a veteran DXer, I was particularly impressed by the dedication, knowledge, & expertise of the young and medium-young members of our Club. This bodes well for the continuation of MW DXing for many years to come. I have received a v/q through the QSL bureau from a Russian SWL in Murmansk (UA1-143-134) reporting reception of my signals in the 160 meter (1.8 MHz) ham band on 10/31/76. This is of special interest, since in checking my log to verify this report, I note that on 10/31 & 11/1 '76 I also logged some high band TA's. There is a definite correlation between the reception of European signals in the 1825k "DX window" on the 160 meter band, plus the European commercial CW stations in the 2.0 MHz region, as a good barometer for BCB highband TA openings. The DX season is picking up here & on 10/4 AU CX produced the following LA reception: SRS-725 Taki-Taki 7:30pm, PJB-800 Portuguese religious program @ 7:50, HOR56-825 "R. Peninsula", Panama, lively LA mx 8:10pm, R. Belize-834 SS band concert @ 8:20, HILR-860 "R. Clarin" BE game 8:35pm, HJCY-810 "R. Sutatenza" sports program 8:40, TVQO-760 "R. Puerto La Cruz" NX 8:50pm, YNZ-750 "Estacion Equis (X)", Managua, LA mx @ 9pm, YSS-655 R. Nacional, El Salvador, LA pop mx, 9:10. HJJR-1005 "R. Colosal" NX & 9:30. The only TA logged so far this season was Azilal, Morocco-209 on 10.29 @ 11pm, weak but readable w/AA chanting. In addition to my two 135' LW antennas I am using a Hagan large ferrite loop & Dy-mek DA-3. I have ordered an SM-2 & Palomar Engineers Loop antenna & will comment on comparison of performance of these four units in my next Musing. 73 & CUL.

WILL BE MARRIED NEXT YEAR

KARL JETER - 1816 Frontier Trail N.E. - Atlanta, Georgia - 30341

Greetings. A little DX and even some travel to report since I last checked in to these pages. Oct. 5-10 was spent in Toronto visiting my fiancee who lives there. On the 8th, Linda & I travelled N of the city through the beautiful Fall foliage and snow flurries to Lake Muskoka for a scenic boat cruise. She will be moving to Atlanta sometime early next year and by this time next year we'll be newlyweds. While on that side trip we passed by the studios of CKRB-950 in Barrie, & I noticed a billboard for CKAR-630 in Huntsville, Ont. Onward to recent DX: 10/1 SSS session was "South Carolina night" w/WTGR-1520 dominating 6:25-6:40pm; WJAP-1510 s/off 6:45pm along w/WSJN-1510 s/off as well, & WKMG-1520 s/off 6:58pm. Only one problem: all are unnl! All was not lost, as newbie WOKI-1550 was heard w/s/off 7:15 pm the same night. Has WOKI changed calls? It sounded like they were saying WOKI on my tape. (Yes - WOKI is now the FM call -ERC) 10/5- WCPM-1280 sked r/c heard 1:08-1:12am w/TT, phonetic alphabet IDs each minute. 10/13- WANY-1390 nice in the AM @ 7:27 w/local ads. On 10/15 I tuned to 1530 @ 1:15am to find (surprise!) WCKY off - nothing new heard, but by 1:30, it sounded like WCKY was trying to get back on the air, so must've been XR trouble. Also on 10/15, WJRH-1450 heard @ 3:47am w/rr & femme DJ, then WBSR-1450 sneaked in later for a new log, @ 3:57, also w/rr. 10/21, early-rising netted me WKCM-1140 in WRVA null @ 7:55am w/local NX. That PM, unnl WKNX-1210 in wall w/s/off, 6:57pm, stressing that they were required to s/off. WJLY-1210 blasting in after WKNX left. The last two entries above (since 10/21) were with a semi-functional 4' unamplified loop I built that works quite well. It will become amplified, once I send my order to STEVE BOHAK. The SM-2 has developed an annoying problem that I cannot figure out: From 1140-1250 kHz, I get interference in the form of distorted audio from a local FM station, WJLS-96.1. This is not noted on the big log, the LW, or the TRF. Veries are a bit sparse lately: v/l- WGSV-1270, v/f- WVON-1390, v/PP/c- WHPB-1390. The latter two were long holdouts. That's all folks! 73's.

HAVING GOOD LUCK WITH NEW CATCHES & VERIES

JOHN HOOGERHEIDE - 105 Bayside Lane - Brandenburg, Kentucky - 40108

JOHN DAVIS - still nothing on your QSL Bureau. If you are too busy, drop me a line & I'll spearhead it with what you've got and get it off the ground - O.K.? Visits to WJKY-1060 were interesting. They said my August report wasn't answered 'cause it was incorrect - they said it was a perfect log of their FM program but their AM had not yet signed on. I don't even own an FM radio! Wonder why our reports go unanswered? Also visits & QSLs to WAIN, WJL. 10/14- I had WINK-1390 s/off @ 7:30pm, no mx, & KDTH-1370 same time. 10/15- KLIK-950 atop KLIK @ 7:30pm. 10/16- KFUO-TEST was probably the one w/public affairs program atop KDA - but no IDs noted. I did get XEBO-860 in Tijuana while playing for KFUO however. WJZ-860 on for test @ 3:35. A good bet was on KDA at this time but nothing audible, likely Peruvian on 854, but only a guess. QSLs in: WQBS, WFAA, WHOP, KGMR, WSUN. 10/16- s/off @ 7:15pm of WKTY-1580, no anthem & WCRN-1570 w/DLXie. WJAL-1480 s/off @ 7. Two great logs in KOKI Keokuk and WJBA Madison both @ 7:30 & reports on both. 900 was very interesting with one EE & at least two FF @ 8pm. One FF was Sudbury, CFBR & EE was CHML. CKVM-710 atop WDR @ 8:15pm; CHDC-1150 w/ER @ 8:30, WOKY-920 @ 9, all this on my N Beverage. I got my Space Magnet back - it was broken, & logged CKWS-960 & WJL-980 first five minutes on 10/19. On 10/18 AU was in and Nuevo Laredo Mexican on 1550 was atop @ 8pm. On 10/20- WTAX-1240 noted in WINN null. Lots of QSLs- WQBS, WJWB, KCLR, KBLI. Totals are growing steadily now - 808 heard & 468 QSLs. Kentucky now has 94, and 75 Tennessee.

TAKES TRIP & LEARNS WSJP-1130 IS ON RS

DUCK TRUAX - 3003 Gleason Lane - Jeffersonton, Kentucky - 40299

First of all a belated but much deserved thanks to the Atlanta gang for the fine job on the Labor Day Convention. In addition to the annual meeting of DX nuts similar to myself (we ARE nuts!) I especially enjoyed the FCC monitoring station tour & the Earth/Satellite base station explanation. Can youse guys in ST. LOUIS do better? I bet you can - I once believed that the 1976 Louisville Confab was THE best, but two years have since proven me wrong. They just keep getting better. The purpose of this Muse is to brag about my one but surely not last logging of the new season. On 10/21 KPWB-1140 Mo. s/off w/WRVA null @ 7:30pm. In otherness department: WSJP-1130 in Murray, Ky. is ON, per latest visit to the area on 10/17, no idea how long it's been on now. Format is mostly pop & modern ERG mx. It should be easy in the Midwest if KWKH is not a problem. It hasn't been logged here in Derbytown yet. The het on 1320 for about ten days the first of October was KWEN-1320 Ark. off frequency on approximately 1321, not noted in last week so evidently the FCC or someone notified them. Equipment here is an HQ-180A w/2' altax loop, also HQ-150 on 40 meter dipole. I hope to soon have a 51J4, but as of this date no sign of it. More as it happens.

RE-STATES HIS OFFER IN HIS LAST MUSING

BRIAN P. SHERWOOD - 221 Lurch Avenue - Elmhurst, Illinois - 60126

10/24/78

Greetings. In my last Muse I committed a colossal blunder: copyrights prevent me from photocopying any "pictorial or editorial" content of the Photofact stuff; however the notice on the front of every folder says nuthin' about schematics - these are generic and cannot be copyrighted anyway - if they could the manufacturers'd have them copyrighted and Sams' would be out of business! Please amend the offer to read "schematics only for any Hallcrafters, HQ-129X, SP-400 or any Lafayette up to & including the HE-29 (HE-30 is not listed in the index, sorry). Any Sams' rep reading this: no Xeroxes have been or will be made of any "editorial or pictorial" content of any Sams' material by me. Thanks to CHRIS HANSEN for tipping me off. On to DX: 10/23 netted WJVA-1550 from 1:12-1:40am w/good solid TT & mx - a phone call to them & they offered to QSL without either written report or return

(Sherwood, con'd) postage! This is what all radio stations ought to do! I've noticed that a personal call lotsa times gets a better response than a stiff, formal, written report. Any rebuttals or comments, anyone? I'd like to know others' experience in this aspect of reporting. 10/23 I also ad the KIUP TEST in fair w/WGNT faded - I would've missed 'em if it were not for the sweep tone. Now that the season has started I'm ready with a new HQ-129X & lotsa coffee - let's get a lot of TESTS this year. If MM'll be meaningless after '79, let's take all the advantage we can of it this year! One final note - the GTG here is definite - see DX NEWS of 10/23 for more info. ERC will be happy with this new paper I'm using. 73s & best DX to all. (I'm happy, hi - ERC)

HE'LL SOON BE HEADING BACK EAST

ROD O'CONNOR - USCG Cutter Ironwood (WLB-297) - F.P.O. - Seattle, Washington - 98799

(Home port is Adak, Alaska - The Birthplace of the Winds) 10/24/78

Greetings again, fellow DXers. This is my second Muse in two months. I have only 27 or so days left here in the Aleutians before getting transferred back East to the Coast Guard base at South Portland, Me. I'm looking forward to it more and more. I hope to get myself a decent rig and get in on some serious DXing on AM, as well as resuming DX on the TV, FM, & PSB bands. (I also belong to WTFDA & RCMA). During September and October the Ironwood was bobbing its way through the Gulf of Alaska on Fisheries Patrol and then a trip North to Bristol Bay to remove the buoys before ice sets in. KILG and KYUK were putting out fine 5kw signals, both heard during the day at 500-600 miles. (I've got to try the KILG TEST 12/181) Not any sort of spectacular DX to report, except two Russians during the day, one on 575, the other on 1277k. Other catches include KFRE and KNER which is not too unusual. I also got all of the Alaskan 5kw-ers and higher from Anchorage, Kotzebue, Fairbanks, & Nome at twilight one evening. The new station at Unalaska just came on last week (17th). They do NOT ID as KIAL as per logs, but are just a repeater of the AFRTS Alaskan Forces Radio Network. (I hope to get by their HQ at Elmendorf AFB Anchorage on my way home to get material and write an article about them for DX NEWS.) As far as I could tell the new Unalaska station has NO local facilities, just a repeater of AFRN. I couldn't even find the XR! although I was quite rushed for time while ashore there. So far I have enjoyed every DX NEWS letter received. I read them all from cover to cover. I hope to get by Provincetown while at my parents' place at Pocasset, Mass. during December. I haven't been out there in three years (Do you still take the Mid-Cape Highway out there? It's been so long). (Yes, Rod, we're still at the end of it! -ERC) One more Muse from the Aleutians maybe if time permits, and then it's back East. Best of DX to all.

LOOKING FOR MUSINGS FROM HIS OWN AREA

617-487-9337 10/30/78

ERNIE COOPER - New England's ONLY DXer?? - 5 Anthony Street - Provincetown, Mass. - 02657

At least, the only one/CO MUSE this week! Where are all you Nor'Easters? Veries are still at 4,102. Recent phone chats with STAN MORSS, RAY ARRUDA, ROLLAND LINDELADE & BILL WURTZEL & HILL COLEMAN. 10/19- Semi WSAR-1480 ending Bruins' Hockey game @ 1:40am. UnID TT-1410 @ 1:43-1:46 w/WPOP; another on 1170 w/WVA 1:56-2:19+, and more TTs, on 1220 @ 1:52 & on, & 920 @ 2:42am. 10/20 SSS- WJLC-1510 completely annihilating WJTS @ 6:12 till both went lower power & changed patterns @ 6:15, then WJLC was a goner. Unnl WTAI-1560 socking it to WJZR @ 6:48pm. 10/21- Bruins hockey on late on WSAR-1480, WJPL-1390, WJEB-1380. Who on 1230 has progressive jazz 1:30-2am w/femme DJ & CBS NX @ 21 Unnl Gran Colombia ANing on 615k w/weak signal - he's in Ecuador, you know. SSS, Rani, Nieuw Nickerie-914 heard for the first time @ 6:45pm, good signal, Hindustani-sounding mx. SM 10/22- Unnl WWJ-950 solid, on top, at 1:09am. Unnl HJKO-1140 heard s/off @ 2:03 using call letters. UnID SS-1035 @ 2:45-3. SSS, WJNL-1010 logged again for third try for a verie u/WJNS, s/off @ 6pm, no mx. WNTI-990 was fairly good, & report sent. MM 10/23- By what others have said, it seems I may have goosed KIUP-930-TEST in - I heard a lot of odd whistles, like the first note of the well-known "wolf whistle" over & over @ 2:41 & on, with more standard TTs too, albeit brief ones. A tentative was sent. UnID TT-580 @ 2:23-2:31+. Unnl WJEB-620 noted AN-rr - you need Maine, you say? Go get WJEB, hi. 10/24- Unnl WJAM-1310 w/NN religious programming whilst coming those kilocycles for much-wanted WJEO, which was not heard on r/c. WJTR-1540 was off most of the morning, oh happy day. Unnl WJHE-1520 on r/c-TT in @ 12:35, hi, DAVE SCHMIDT. Unnl WJTR-1450 r/c-TT on top, 1-1:15. "R. Farallones"-1550, Cali, Colombia, atop two or three other SSES @ 2am & on, another Cali ANER - yerks! 10/25- Unnl YSCF-1155 strong @ 1:24am w/U.S. rr. On 1195a, loud carrier with extremely shallow modulation, unintelligible here, the exact antithesis of WJTR-1540! 10/26 SSS- Unnl but long unheard WJJS-600 on top @ 6:47pm, still on day pattern. Then a new one, WTVN-610 topping everybody there 6:48-7pm drop-out (and pattern switch, no doubt). I must be the last Easterner to bag this one, yes-no! 10/27 SSS- Unnl WJSC-990 s/off @ 6:47pm w/no mx, mentioning 97.7 FM. 10/28- UnID TTer on 1570 this AM 1:09-1:30 gone. And, lo and behold, my old "cuckoo" was back this morn on 740, weak but on top @ 2:10-2:15 when KRSG took over the channel, & a carbon copy of this "bird" was heard on 790 on MM 10/29, AN - anybody know who these two are, mayhap? SM 10/29-(I wonder if Rick Shafran was listening?) IVKY, R. Capital, actually topping WOR-710 1:50 to s/off @ 1:56 EDT, as EST returned, happy day. A very weak SS noted ANing on 715k, but I couldn't raise the audio to understand. CU NY 7!

THIS WEEK WE HAVE A PRETTY GOOD TURNOUT OF MUSERS FOR OUR FIRST ISSUE OF THE WEEKLIES. BUT WE CAN DO BETTER, OF COURSE - THERE ARE SOME 700 OR SO OF US, YOU KNOW! WE WANT TO THANK EVERYONE WHO CONTRIBUTED TO THIS SECTION THIS WEEK, AND THE 700 WHO DIDN'T ENJOYED WHAT YOU HAD TO TELL THEM. NOW, YOU QUIET MAJORITY, HELP TO MAKE SOMEBODY ELSE'S LIFE A LITTLE HAPPIER BY YOURSELF SENDING IN A MUSING! THINK OF IT AS VOLUNTEER WORK - IT IS, IN A WAY! YOU WILL PLEASE SOMEBODY ELSE BY SO DOING, AND ISN'T THAT WHAT LIFE IS ALL ABOUT? PLEASE DOUBLE SPACE, USE E.S.T., A.M. & P.M., AND REMEMBER OUR 30 LINE LIMIT. WE NOTICED SEVERAL IN THIS ISSUE WHO LISTED NEW VERIES BUT WHO DIDN'T SEND IN THEIR V/S LIST. PLEASE DO THAT, TOO!

MOTHBALL MEMORIES

CHAPTER XCI - "THE LAW'S LONGEST ARM" - Part 2 - submitted by NEIL ZANK

There are 41 police districts in Chicago. Each of these is covered by from two to five district squad cars of uniformed policemen. In addition, there are several special squads which operate throughout the entire city. For example, there is the detective bureau detail comprising ten squads operating out of the detective bureau and assigned to certain districts. There is also a supervisor car which covers the entire city. Then there is the homicide squad - one squad car for each eight-hour shift under Lt. Otto Brianson. Co-operating with the homicide squad are the Bureau of Identification squad car and the Photographer's squad car. The last two named supplement the first in connection with homicide detection and identification of the criminal or victim.

Another group is known as the "Con Squad" or pickpocket detail. The officers drive alongside street cars, carefully observing passengers. These men know every pickpocket in town and if they spot one aboard a car, they trail the trolley until the suspect gets off. Then they stop him for search and questioning. They know pretty well what districts, what cars and at what hours these light-fingered gentry work. Other regular squads are the bombing, morals, narcotics, missing persons, accident and prevention, and ten detective bureau squads. These last cover city districts and assist the regular district groups in combating major crimes such as murder and robbery. The special squads cover the entire town.

When a car is disabled or temporarily out of order, it is said to be taken off the air. In that case all its calls are taken by other cars assigned the district. Or cars from another district may be ordered into the territory of the disabled machine until repairs are made. Of the more than 600 squad cars in Chicago, over 300 operate out of the central bureau. Suburban areas also use the broadcasting facilities of the Chicago Police. F. H. Price, supervisor of the central complaint office, says that during 30 days an average of 1,600 calls was received. The average time elapsing between the time the call was broadcast until the arrival of the police was two minutes. That record certainly proves the efficiency of Chicago coppers. Records show that of the calls sent out while a robbery or burglary was still in progress, in 50% of the cases the criminal was apprehended almost immediately. During the first two weeks in April over 30 robbers were arrested while they were actually committing the crime. Deputy Chief of Detectives Walter G. Storms substantiated Supervisor Price's statement that practically every other burglary reported while in progress resulted in capture of the criminal.

MORE NEXT WEEK. SO, CHICAGO MEMBERS, BE CAREFUL!

FLASH: THE LARRY KING SHOW ON MUTUAL BEGAN ON WTOP-1500, WASHINGTON, D.C. ON TUESDAY MORNING NOVEMBER 7, ACCORDING TO LARRY KING HIMSELF ON HIS OCTOBER 31 BROADCAST. -ERC

U.S. is being engulfed in 'waves' of pollution

Associated Press

WASHINGTON — The nation is being inundated with a pollution that can't be seen, felt or smelled.

Scientists say it could become a major environmental problem.

Scientists meeting at the National Bureau of Standards said yesterday that electromagnetic pollution, formally called electromagnetic interference (EMI), can affect many aspects of modern life.

And they added that no one is sure yet if present EMI levels have any effect upon human health.

EMI — essentially it's radio-wave pollution — has grown so much in the past two decades that Americans are literally enveloped in a fog of electromagnetic radiation.

Sources include radar installations, microwave transmissions, radio and television broadcasting towers, citizens band and mobile radios, electric motors, high-voltage transmission lines, arc welding machines and much more.

Charles Miller, manager of the bureau's EMI-radiation hazards program, said interference from these thousands of stray signals can affect the performance of electronic equipment ranging from computers to television sets to heart pacemakers.

"This disruption to electronics can have significant effects depending upon the use to which the electronics are applied," he said.

Chris M. Kendall, a private EMI consultant from Running Springs, Calif.,

said the problem of electronic devices interfering with each other will become more acute as more of them go into use.

He noted, for example, that increasingly popular personal computers, not as well shielded from EMI as industrial models, might be disrupted by a home television or stereo set.

Don R. Justesen, director of the neuro-psychology and behavioral radiological laboratories at the Veterans Administration Hospital in Kansas City, said the biological effects of EMI still are uncertain.

Justesen said an abundance of data indicate organisms are sensitive to electrical and magnetic fields, and it is possible EMI could have a biological effect. But the big unanswered question is whether such an effect is a hazard or is in any way harmful, he added.

Higher levels are harmful

The Soviet Union and other Eastern European countries have extensively studied electromagnetic radiation and are convinced it has chronic effects over long periods of time. But shorter-term tests conducted in the United States and elsewhere have not confirmed these biological effects for low-level EMI.

Federal medical officials say tests show that high levels of microwave exposure cause cataracts, affect behavior and can cause genetic changes in cells. But no one knows if there is a safe lower exposure level — a threshold — below which no such effects are seen.

THE LOUISVILLE TIMES, FRIDAY, NOVEMBER 3, 1978



		V E R I E		S I G N E R S			
580	KFXD pf	u/u, CE	K	1360	WEBB ur	James Byrd, GM	G
610	Trinidad	Mataroo Dass, CE	J		WNSR	Rick Levy, CE	D
640	HLXC	Lee Ylsong, E	C		WMOV l	Rex Osborne, P	B
660	BED34	T. T. Chou, DoE	C	1370	KGNO p	u/u, GM	K
	YVNA l	Luisa Luge	J	1380	KRNO pf	u/u	K
690	WYIS lm	B. Sam Hart, P	A		WVIN ul	Ann D. Genthner, SM, BLC	G
705	StValcent	u/u, M	C	1390	YVZC lm	Felix Hurtado, Co-Ord de Prog.	J
710	KEEL	R. C. Johnson, CE	H		WFEL q	Dominic L. Bordman, CE	E
730	WPIK p	Robert W. Taliaferro, CE G	G		WRIV	Richard Hodkin, GM	D
750	4QS	Bruce Short, Reg'l M	C	1400	WHRU r	M. L. Medley, P	A
780	KNOM	Thomas Busch, GM	C		WVIN lh	Lee S. Parr, CE, WA3FNU	B
790	WRAN ul	Erika E Gora, Pub Rel	G		WSMY l	Tim Moran, P	B
840	WVPO lm	Ernest R. Transue, CE G	G		WFEC ul	John R. Thomas, CE	G
850	WEEU lm	William A. Urban, CE G	G		KITS	Mike Jennings, CE	K
	KHLO	Russell Roberts Jr., D	C	1420	YVZO lm	Maximo Flores F., D	J
900	WKAJ lm	LeRoy L. Fuller Jr., CE G	G	1430	WJRB ul	Jerry Minshall, OpD	L
	WJML uq	Stephen G. Wallace, E	G	1440	WVMG l	(E. W. John Johnson, P	E
930	Antilles f	u/u	J			(Andy Thompson, E	E
	WTHD ul	Denris Hazard	G		WQOK l	T. G. Hooper, P	E
940	WJOR l	Walter Isbert, CE	I		YVTT l	Galasio A. Suarez, DG	J
960	PJA6 q	u/u	J	1450	WKRI l	Joseph M. Mattias, CE	A
950	YVKG f	Eduardo Z. Seittiffe, D	J		KBXY l	Same as XEMH-970	J
970	XEMH l	Mario E. Gonzalez Peraza G	J		WGLI lmu	Bernard R. Hamilton, CE	G
980	WPHG q	J Paxton Durham, CE	A	1460	KVRE	Ron Morgan, ACE	C
1010	KLRA c	Elanide Perry, CE	H	1470	WFSR ru	Robert Baxter, PD	A
1050	KBUF p	u/u, GM	K		WMMW l	George Dombrowski, Jr., CE	A
1070	HJGG q	u/u	J		WPAR l	Sanford Schafitz, CE	F
1080	IVQJ l	Ruffo José Vivas, D	J		WTR l	Russell H. Morgan, M	G
	YSM l	Rolando Orellana, G	J		WHEG fm	W. G. Barnes, CE	B
1090	WQOC l	Phillip Roberts, GM	E	1460	WVWV f	R. Bruce Peters, CE	A
	WMUS r	Tim Achterhoff, CE	I	1480	KJOE uc	James Ederer, GM	L
1100	WHLI q	Richard G. Silvera, CE G	G		WJIT	C. Freedberg, E	D
1110	WUNN c	Chris Heal, CE	I	1490	WGCD l	James Davenport, GM	E
	CHQT	Robert Hunter, CE	D		WHRB l	Kodu Thompson, Trfc Co-Ord	E
	CRD	A. Thurber	D		WMMW lu	Sam Pero, CE	G
1120	XEZB l	Mameel Zarate Aquino	J		KDKK ul	Robert W. Adams, PD	L
1140	CHI uq	James A. Payne, TSU	G		KYNN p)	Percy Ziegler, CE	K
1150	KPLS	Hugh Turner, P	C		KLNG p)		K
1190	KPAR f	Don Davis, AM	A	1500	WGLC l	LaRue Turner, CE	G
1197	Tropical	(Eladia Esther Castro S.S C	C	1520	WDEL lm	Adrien Newton, GM	B
		(Manuel Elias Navarro P.G C	C		WDSL l	Jeff Huffman, E	E
1200	Tiempo	Bob Rangel, Int'l Rel.	C	1530	KAWS l	York Schulte, CE	L
1224	NuevaVictoria	Emilio P. Jimenez, GG	C	1540	WPTR qu	James J. Cruise, CE	G
1230	WKBO l	David E. Ratcliffe, AE	G	1550	KEDD l	Rhett A. Downing, CE	I
1240	WEDC l	A. B. Pucinski, VP, GM	G	1555	Cayman	T. G. Dunlop, D of Bg	C
	XEMQ l	See XEMH-970	J		DILA	Carmen P. Alzona, S to ProgCons	C
1250	WBRM p	u/u	E	1560	WFSP lm	Arthur W. George, P	B
	KYAC pf	u/u	K	1590	WABN ur	Robert Merrill, VP, GM	B
1260	WKKK lu	George MacFurdy, CE	M		WIRS l	(Raymond Nasworthy, SM	E
	WNDE fu	Paul N. Strickland, CE	A			(M
1270	WOKT lu	William Sellers, PD	A		WJRQ lu	Robert A. Murphy, COP	G
1280	CJJD l	Bruce Dingwall, CE	B	1600	KOCS ulm	Lisa West, APD	L
	WOSO lum	Frank Maynard, CE	B				
1290	CJBE q	Jeff Guy, VPoE	B				
1310	WDDC fm	William C. Lafferty, CE	B				
	KNUI	Rick Shane, PD	C				
	WESA fx	John E. Hogg Jr., COP	G				
	KPKA	David W. Sawyer, CE	K				
	WRR p	u/u, GM	K				
	WERO lm	Robert Black, E	A				
1320	WDIC lu	E. E. Franks III, ExecVP	A				
	WIOO lu	William B. Phillips, P	G				
	WHBT	Lennie Ciatmoll (T)	D				
	WRKE lum	Kenneth Husband, CE	G				
1340	KPFN p	Warren L. Hasse	K				
	KPGE p	u/u	K				
	WBBQ l	Harley Drew, OPM & PD	K				
	WKGN l	Edward R. Martin, CE	E				
	WRDD l	P. W. Angley, CE	E				
	KXPO p	Gary Pearson, O	K				
	WTRN l	Cary Simpson, NRC	A				
1350	WZLX ul	Jeffrey Greenhawt, VP	G				
	WCBA ul	Dean Slaok, GM	G				
	KSRO	Daniel Ethan, CE	C				

C R E D I T S

- A - Dave Schmidt
- B - Kelly Andrews
- C - Hank Wilkinson
- D - H. A. Whittier
- E - Karl Jeter
- F - John Glemmer
- G - Juergen Trochimczyk
- H - Charles George
- I - Karl Forth
- J - Juergen Trochimczyk
- K - Wayne Hainen
- L - Steve Ponder
- M - Ernie Cooper

Since we have an excellent International section, it would seem propitious that we, from now on, exclude foreign stations' verie signers from this column. In the future, please send all stations outside of the U.S.A. & Canada signers to Chuck A Hutton for his section, along with the complete address for the stations, and the language of the verification as well. They will be listed there where there is the most interest in them. We ask you to keep sending in your domestic v/s to this column, along with your Musings, double-spaced.