



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 48, Number 6 Monday, November 24, 1980

STATIC FROM HQ

The big news this week is that last week's issue (#5) turned out almost as well as we expected for a change!!! We are continuing to work closely with our printer and with any luck at all this issue should be even more improved. We have painstakingly used whiteout on all copy received this time and the general quality of all columns has improved also. We say ALL in hopes that Chuck's will arrive air expressed to the printer again as he had a hectic work schedule the week of 11/10.

This week in addition to the regular columns we have the long-awaited and officially revised-updated NRC Reprint List, courtesy of Pat Hartlage who labored more than a few hours to insure that all recent articles of merit were included. After being proofread by Gary and yours truly, we feel safe in stating it is 'deadly accurate and most current'. From this date forward please use only this current list in all orders to the new Publications Center manned by Ken Chatterton at P.O. Box 164, Mannsville, NY 13661.

Gary has been cleaning out the closets and wishes to advise the following past issues and/or volumes are available. We have one complete set of volume 46 and also volume 47 intact. These are available—first come basis for the price of postage, \$2.00 for each volume year. Also we have extra issues of volume 47 with the exception of #9 and #1, and extra issues of volume 46 with the exceptions of #1 and # 27 if you need replacement issues. These are available for the price of postage for single issues— 15¢ for 24 pages and 28¢ for issues 25-48 pages in size. Inquiries should be sent to the attention of Gary Atkins c/o HQ address.

As announced last week, the following get-togethers are planned in the near future.

Thanksgiving GTG Nov. 30, Noon to 6 PM hosted by Ray Arruda, 47 Burt St., Acushnet, MA. Call 'Rocket Ray' or write for additional details.

The Bay Area Radio Freaks (BARF) GTG is planned for Nov. 29, 11 AM to 6 PM hosted by Rich Segalas, 221 Bocana St., San Francisco, CA 94110. Write Rich or call 415 641 8922 for more info.

The Chicago Area DXers (CADX) GTG is planned for Dec. 26-28 and again for Dec. 31 & Jan. 1. Out of towners needing accommodations or more info should contact Bob Kramer, 4639 N. Albany, Chicago, IL 60625 or call 312 463 4334.

The Southern California Area DXers (SCADS) are planning a GTG Feb. 14, 1981 including a receiver display and HAP auction. For details and map, send a SASE to SCADS, 16182 Ballard Lane, Huntington Beach, CA 92649.

CPC TESTS

12/2 WLET-1420 Toccoa, GA 0015-0045 ELT both dates. Program content to be polka and march music along with voice and code ID's at 5 min. intervals. Also tone bursts of 50, 600 & 1000 hz. Prior to these tests is the r/c, 0001-0010 w/1000 hz. tones. Reports to: Jan J. Bethke, Chief Engineer, WLET, 423 Prather Bridge Rd., Toccoa, GA 30577. Arranged by Karl Jeter/NRC.

12/14 WMOV-1360 Ravenswood, WV 0545-0600 ELT. This is regular check on second Sunday using 500 hz. tones, but will probably add additional content for test. More details later. Reports to: Rex Osborne, WMOV, Box 647, Ravenswood, WV 26164. Arranged by Pat Hartlage/NRC.

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② DOMESTIC DX DIGEST

Dave Schmidt
42 Chelwynne Rd.
Castle Hills
New Castle, DE 19720

Please keep your items to one side of the paper, neatly write or type, ELT, etc. Also, leaving a little space between tips helps when it comes to cutting items into strips for frequency order. Deadlines are Saturday and type-up Sunday morning. Here goes:

SPECIAL:

CHICKEN LITTLE WAS RIGHT!

- 1220 UNID 11/2 around 1800, station noted given repeated weather conditions, ID'ing as "WJK48" in Chattanooga area. Good signal, mentioning originating from studios of WDDO-1310. Anyone hear or have any ideas? (KVJ-GA)
- 1340 WMKE WI MILWAUKEE - 10/27 0226 noted on new calls w/ID then CW mx. (ex-WBCS). (KDF-IL)
- 1410 WRMN IL ELGIN - 11/2 1900 weak w/ID then nx, now on w/night authorization of 500 watts w/DA. Signal is poor, don't think this one will get out to well. (KDF-IL)
- 1420 WACK NY NEWARK - Noted on fulltime w/500 watts day/night. Sked seems to be 0600-0100 every day. Noted 11/2 w/0100 s/off w/SSB. Dominates WHK. (JB-NY)
- 1450 WOL DC WASHINGTON - Has been noted off the past 4 MM's. (TB-DC)
- 1550 WVAB VA VIRGINIA BEACH - Station now off the air, financial problems. (TB-DC) Yeah, I noticed, now I can hear WSR here w/no problems. (DS)
- 1610 WXT613 OH CINCINATTI - 10/29 0315 Very weak signal noted w/man/womans voice alternating giving parking info, various airlines. Signal weak and just about taken out by WRRL splash. What's the power on this thing? (DQ-MT) Veries I've seen say 2 watts, but knowing the people who build the transmitters, I suspect it's about 25 watts. (DS)



FREQ. CHECKS:

- 1st Mon.....WCNC-1240 w/TT (WPT-DC), (DS-DE).
NELI-960 w/TT (DS-DE).
- 2nd Wed.....WLET-1420 (TB-DC).



DX TESTS:

WKZE - AM/FM

- WDLN-960 heard by KVJ-GA, EL-IL. Not heard by DS-DE.
KPTL-1300 not heard by KO-IL. HA,HA,HA - DS-DE.
WAPL-930 tentative by EL-IL.

waeb 7-9-0
radio

MIDDAY-MIDNIGHT:

- 630 WKBX GA SAVANNAH - 10/27 1807 loud w/rock mx, ads. This is my indicator station for good southern cx. (MT-MD)
- WMPD NC WILMINGTON - 10/27 1823 fady w/ID, mentions of Wilmington in ad, lost to WMAL. (MT-MD)
- 690 WZAP VA BRISTOL - 10/27 1800 w/mx ID then gone, leaving WVOK. (MT)
- 710 WDSM WI SUPERIOR - 10/28 1752 local plywood ad, "710 Country" ID, then stock market report. (BM-WI)
- 790 WETB TN JOHNSON CITY - 10/27 1748 new surprise, punching thru w/wx, local ads, rock mx. (MT-MD). This is one I'd like to punch out! Usually local like prior to s/off here! (DS)
- 860 WDMG GA DOUGLAS - 10/28 1801 w/local nx, gone at pattern change. (EM)
- UNID 10/22 1845 CW mx u/CJBC, ID'ed as "AM 860." WEVA? (MT-MD)
- 900 WEAS GA SAVANNAH - 10/25 1855-1900 gospel mx then s/off. (EM-FL) (TB)
- WAYN NC ROCKINGHAM - 10/18 1843 s/off noted w/male ann'r, no SSB.
- WKDW VA STAUNTON - 10/18 1845 s/off w/mention of FM, brief w/no SSB. (TB-DC)
- WGTA GA SUMMERVILLE - 10/18 1915 s/off noted w/no SSB. (TB-DC)
- 910 CHRL PQ ROBERVAL - 10/17 1909 noted on top in WHJJ splash w/FF talk and Canadian mentions. (KAZ-RI)
- 930 WBBN NY BUFFALO - 10/29 2115 w/ID as Western New York's Remarkable Radio Station. (BM-WI) Yeech! (DS)
- 940 WCPC MS HOUSTON - 10/21 1840-1900 CW & rr mx, UPI nx, decent signal. (MT-MD)
- WFNC NC FAYETTEVILLE - 10/27 1732 good w/local ads, "Your Country Station." (MC-MA)

- 960 WEAV NY PLATTSBURGH - 11/1 1915 w/ID at end of CBS sports, very rare here. (JB-NY)
- 970 WCSH ME PORTLAND - 11/1 1826 very strong w/oldies and old jingles. CBZ NB FREDERICTON - 11/22 2310 s/off w/list of several stations on the Maritime section of CBC net., then Oh Canada. (MC-MA)
- 980 WCAP MA LOWELL - 10/22 all evening, heard for first nite on all-night schedule - live oldies remote from Billerica Mall. (MC-MA) Should have went in the SPECIAL section, rats. (DS)
- 990 UNID 10/27 1735 NC station, ad for something in Aberdeen, PSA for state of NC, then MoR. WBTE or WEEB? (MC-MA)
- 1000 WIOO PA CARLISLE - 10/17 1824 poor/fair w/ID then wx. (KAZ-RI)
- WYOK GA SOPERTON - 10/16 1900 CW mx then s/off, no SSB. (TB-DC)
- 1100 WGPA PA BETHLEHEM - 10/23 1830 good w/s/off, female ann'r, lengthy w/no SSB. (TB-DC)
- 1110 WZAM VA NORFOLK - 10/23 1832 s/off noted w/no SSB. (TB-DC)
- WNAR PA NORRISTOWN - 10/17 1820 poor-fair w/ID. (KAZ-RI)
- WBCA AL BAY MINETTE - 11/1 1700 blockbuster signal w/s/off, ends w/"Progressive Country" jingle. (KVJ-GA)
- WTIS FL TAMPA - 11/2 1719-1730 good w/polish programming, ad for NYC firm (in English), weaker by s/off. (KVJ-GA)
- 1120 WUST DC WASHINGTON - 11/2 good w/gospel programming prior to 1700 s/off, mentioned owned by SJR Communications, not to much KMOX yet. (KVJ-GA)
- 1130 WPYB NC BENSON - 10/26 1743 weak u/WNEW w/mention of country and gospel mx, possibly into s/off. (TB-DC)
- 1150 CHSJ NB ST. JOHN - 11/1 1817 fair w/promo for hockey game on CHSJ-TV. (JB-NY)
- 1170 WHLW NJ LAKEWOOD - 10/17 1815 finally logged at s/off, fair w/WVVA. (KAZ-RI) 10/26 1659 movie mx then weather, news. (TB)
- 1210 WADE NC WADESBORO - 10/27 1745 totally atop, killing auroa-eneebled WCAU, soul mx, ID ats/off. (MC-MA) Hey....better watch them funny words! Hi! (DS)
- 1220 WSOQ NY N. SYRACUSE - 10/17 1818 fair w/BFL mx, ID. (KAZ-RI)
- 1230 WCBT NC ROANOKE RAPIDS - 10/20 2317 noted w/football promo. (TB)
- 1240 WNBZ NY SARANAC LAKE - 11/1 1707 w/local fire call the insurance company ad. Atop til about 1900. (JB-NY)
- 1250 WKBR NH MANCHESTER - 11/1 1732-1845 strong w/rr w/no sign of pest WTAE. New here on excellent day for New England and North NY, used slogan "Someplace Special." (JB-NY)
- WPAG NC FARMVILLE - 10/23 2030, 10/26 1831 w/CW mx and gospel mx, Farmville and "Big Country" noted in ID's but calls sounded like WDAB. Call change on this one? (MT-MD) I think so but can't find nothin' on it, figures doesn't it? (DS)
- 1270 WMLC MS MONTICELLO - 10/24 1855 briefly in jumble w/promo. (TB-DC)
- WXYZ MI DETROIT - 10/28 2107 noted w/Newstalk ID. (BM-WI)
- 1280 WSAT NC SALISBURY - 10/26 1811 noted w/local weather. (MT-MD)
- CJJD ON HAMILTON - 10/28 2111 talk about Carter/Reagan debate. (BM)
- 1290 WNBZ NY BINGHAMTON - 10/28 2116 talk of halloween ball to be held at local convention center. Called station and was put on air. (BM-WI)
- 1300 KGLO IA MASON CITY - 10/15 1924 w/ad, then ID, gone at pattern change. (EM-FL)
- WMTM GA MOULTRIE - 10/27 1800 atop the jumble w/CW mx, ID at s/off. Good auroal cx this evening. (MC-MA)
- 1340 WGAW MA GARDNER - 11/1 1748-1800+ on top w/promo for turkey shoot contest and many spots. (JB-NY)
- 1350 CJLM PQ JOLIETTE - 11/1 1655-1700 excellent w/disco mx, ID then nx in french. (JB-NY)
- 1360 WHBG VA HARRISONBURG - 10/16 1845 strong w/s/off w/America the Beautiful. (MT-MD) Ever hear their f/c? (DS)
- 1380 WSYB VT RUTLAND - 11/1 1652-1700 strong w/election campaign spots, rr. "A part of your life in the Rutland Region." Rare. (JB)
- CKLC ON KINGSTON - 10/28 2342 ad for town & ountry furniture. (BM)
- 1390 WCSC SC CHARLESTON - 10/27 1755 loud w/Kenny Rogers song, ID. (MC-MA)
- WFBR NY SYRACUSE - 10/28 2353 noted w/"Fire 14" ID's. (BM-WI)
- CHOO ON AJAX - 10/28 2348 noted w/promo for Halloween Dance. (BM)
- 1400 WDOT VT BURLINGTON - 11/1 1819 w/ID during RW Morgan syndicated show. Rare here. (JB-NY)
- 1410 WPOP CT HARTFORD - 10/28 1852 w/ID and time check, "Newsradio". (BM)
- 1420 WIMS MI MICHIGAN CITY - 10/28 1800 ID, local news then weather, excellent signal. #18 on this freq. (WPT-DC)
- WEMB TN ERWIN - 10/11 1800 good at s/off, address and phone number given, no SSB. (MC-MA)
- 1440 WCDD PA CARBONDALE - 11/1 1644 good signal at s/off. (JB-NY)
- 1480 WWKO NC FAIR BLUFF - 10/30 1744 s/off w/female, no SSB. (TB-DC)
- 1500 WLQV MI DETROIT - 10/28 2259 religious mx, nx, o/KSTP. (BM-WI)
- Note correct call, Bob. (DS)
- WKER NJ POMPTON LAKES - 11/1 1648 very strong at s/off w/no WTOP. Mentioned Sunday s/on at 7 AM. (JB-NY)

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1510 WRAN NJ DOVER - 10/30 strong 1628 w/former WABC DJ Cousin Brucie, using slogan "New Jersey 1510." (JB-NY)

WITS MA BOSTON - 10/28 2306 poor u/WLAC w/talk. (BM-WI)

1530 WRBX NC CHAPEL HILL - 10/17 1830 very good w/CW mx, ID. (KAZ-RI)

1540 WSMI IL LITCHFIELD - 10/27 1815 noted at s/off. (BM-WI)

1550 UNID 10/28 1735 ad noted for Gulf Shopping Center, call sounded like WNDN. (MC-MA)

WBSC SC BENNETTSVILLE - 10/27 1930 soul/disco mx, birthday dedications, "Rockin' Radio" slogan, atop low-pitch LA het.(MC)

WXVA WV CHARLESTOWN - 10/28 1730 s/off w/full ID, abbreviated SSB. (MC-MA)

WKBA VA VINTON - 10/28 1745 atop w/religious program, s/off. (MC)

WRHC FL CORAL GABLES - 10/28 1755 steam-rolling CBE, Spanish talk, Miami ads. (MC-MA)

1570 KMYZ OK PRYOR - 10/14 1945 in w/full s/off, ex KOLS. (EM-FL)

WLBQ KY MORGANTOWN - 10/27 1907 PSA, weather then s/off w/God Bless America, 1 hour after sunset. (BM-WI)

1580 WLDM MA WESTFIELD - 11/2 1625 strong w/local campaign ad. (JB-NY)

UNID 10/28 1810 CW mx, down-home acc'r, promo for turkey shoot at Military Pike & Tullahoma Hwy...WLIJ? (TB-DC)

WSRF FL FT. LAUDERDALE - 11/28 1751 ID briefly atop CBJ. (MC-MA)

1590 WJSO TN JONESBORO - 10/16 1855 local news, weather, ads, very regular here after WHPY and other semi's s/off. (MT-MD)

UNID 10/29 1745 s/off here w/mention of 5000 watts and PSA power, no SSB. Not WHPY as they were noted later. (TB-DC)

WCSL NC CHERRYVILLE - 10/28 1732 noted w/annr'r giving very slow ID. (TB-DC)

WVOE NC CHADBOURN - 10/28 1800 s/off w/female, weak. Time doesn't seem right but that's what we got! (TB-DC)

WIRS GA SWAINSBORO - 10/28 1759 s/off noted w/no SSB. (TB-DC)

MIDNIGHT-MIDDAY:

WTOW AM Radio 1570 • Serving Greater Baltimore

560 KLZ CO DENVER - 10/29 0030 good w/Country mx, ID "56-KLZ".(EL-IL)

570 WNAX SD YANKTON - 10/29 0009-0024 good o/WKYY w/weather, ID. (EL)

690 WAPE FL JACKSONVILLE - 10/30 0630 noted at pattern/power change, oldies/Top 40 mx, "The Big Ape" ID's. (PK-WI)

770 WEW MO ST. LOUIS - 10/21 0718 on 500 watt PSA power, MoR mx, St. Louis mention, ID'ed later. (EM-FL)

800 CHAB SK MOOSE JAW - 10/30 0700-0720 in and out w/rock mx. (PK-WI)

WHOS GA DECATUR - 10/30 0655 tentative, partial ID noted then CW mx, then gone to CHAB. (PK-WI)

CJAD PQ MONTREAL - 11/2 0700 very weak w/ID & news. (JB-NY)

810 WQIZ SC ST. GEORGE - 10/24 0628 good o/WMP w/s/on, gospel mx, guess they're not using a PSA. (KDF-IL)

850 WRAP VA NORFOLK - 11/3 0225 noted briefly o/KOA w/good signal, B/SOL Format. (KVJ-GA)

860 KONO TX SAN ANTONIO - 10/26 0109 mention of oldies program starting 11/3, 86-KONO ID, fair signal. (BM-WI)

900 WKJK NC GRANITE FALLS - 11/4 0600 s/on in WLMD OC, which sounded more than 92 watts PSA power! (TB-DC)

910 WSUI IA IOWA CITY - 11/4 0630 excellent w/national weather, local nx, Iowa temp's. (TB-DC) Nice! (DS)

930 WGNT WV HUNTINGTON - 11/3 0120 noted nicely atop w/\$930. contest promo then MoR. Seems to have replaced WBEN as top-dog on this freq. (DS-DE) (KVJ)

WPAT NJ PATERSON - 11/3 0259/0328 fair signal w/WGNT, BFL mx, nx. (KVJ)

CKNS ON ESPANOLA - 10/27 0026 brief ID under WKY. (BM-WI)

1010 KLRA AR LITTLE ROCK - 11/3 0024 way atop w/CW mx, good bet for those needing AR in the east. (DS-DE)

1050 WADC WV PARKERSBURG - 10/31 0637 poor w/political ad, CW mx. (KDF)

WYBG NY MASSENA - 11/2 0810-0815 w/"Trading Post" program w/CHUM nulled. (JB-NY)

1060 WHFB MI BENTON HARBOR - 10/30 0050-0115 interesting ET w/MoR mx, OC, many ID's w/mention of 5000 watts, 2500 watts critical hours, KYW/WNOE, etc. Fair to good o/u KYW. (NZ-NE) This guy smashes KYW on these ET's here, even! (DS)

1110 WSPW NY SENECA FALLS - 10/30 0617 fair thru WBT w/s/on. (KDF-IL)

KPAB NE OMAHA - 10/21 0730 w/weather, news. Sunrise wiped out WBT, local WTIS s/on 0731. (EM-FL) Luck, shear luck-hi!(DS)

1120 WUST DC WASHINGTON - 10/30 0008 noted on ET w/250 hertz TT. (WPT-DC)

1130 WRRL WV RAINELLE - 10/26 0630 noted briefly w/s/on. (TB-DC)

WREO PA WAYNESBORO - 10/26 0627 good w/car race promo. (TB-DC)

CKWX BC VANCOUVER - 10/29 0132 fair-good w/"Great Country" ID, followed by horoscopes. After 2 years, BC finally logged. About jumped thru ceiling! (EL-IL) Emotional, ain't he?(DS)

1150 WSNW SC SENECA - 10/23 0558 lengthy s/on w/SSB. (TB-DC)

WPPM GA FT. VALLEY - 10/23 0600 weak at s/on, no SSB. (TB-DC)

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1198 WLEE NC MONROE - 10/29 0635 fair u/WOWO w/ad, jingle, etc. (KDF)

WJES SC JOHNSON - 10/29 0635 behind WOWO/WLEE w/s/on. (KDF-IL)

CJMR ON MISSISSAUGA - 10/29 0645 briefly o/WOWO w/promo, mention of election nite coverage on CHWO-1250. (KDF-IL)

1230 WCOL OH COLUMBUS - 11/3 0127 popped up w/female DJ, Pop mx. (DS-DE)

KGRO TX PAMPA - 11/3 0210-0245 dominating channel w/ET, MoR mx, OC, TT, w/ID's. (NZ-NE)

1290 WFBG PA ALTOONA - 11/3 0144 s/off noted w/no SSB, to return 0500. Change on s/off status from earlier. (DS-DE)

1300 WQPM MN PRINCETON - 11/1 0700 weak w/s/on thru WTAQ OC, later heard in WTAQ null. (KDF-IL)

WERE OH CLEVELAND - 10/29 0159 formal wear ad, ID then nx. (BM-WI)

KGLO IA IOWA CITY - 10/27 0110 s/off noted w/piano SSB. (BM-WI)

1310 CHGB PQ LA POCATIERRRE - 10/29 0014 FF talk, BFL mx. (BM-WI)

WHEEL VA FAIRFAX - 11/3 0143 way atop w/rr, promo for Christian mx, show, 5-6 AM, "Wheel Radio". (DS-DE)

1320 WCOG NC GREENSBORO - 10/26 0040 noted u/WHIE w/ID. (EL-IL)

WVOJ FL JACKSONVILLE - 10/26 0110 following WHIE s/off, very good w/CW mx. (EL-IL)

WHIE GA GRIFFIN - 10/26 0050-0105 noted conducting PoP test, TT and CW mx. Asking for collect calls. (EL-IL)

CJSO PQ SOREL - 11/2 0831 on top on an excellent morning for Quebec. (JB-NY)

1360 CJVL PQ STB. MARIE DE BEAUCE - 11/2 0736 good w/some WSAY-1370 splash. (JB-NY)

1390 KKOA ND MINOT - 10/29 0052-0054 poor in mess during good western opening, only #2 from ND heard. (EL-IL)

1400 WSGA GA SAVANNAH - 11/3 0148 first time in a while w/stereo show promo, Top 40 mx, w/pest WPCE. (DS-DE)

1450 WHSC SC HARTSVILLE - 10/20 0007 s/off noted w/no SSB. (TB-DC)

1460 WPNY AL PHENIX CITY - 10/27 0113 good o/mess w/ad, ID. (EL-IL)

1480 CKAN ON NEW MARKET - 11/2 0706 good w/sports results, o/u WHBC.(JB)

1490 WABJ MI ADRIAN - 11/3 0215 briefly atop w/AM-FM ID then MoR. (DS)

1500 WDEB TN JOHNSON - 11/4 0148-0200+ ET w/CW mx, OC/TT/ID, equal w/WTOP. (DS-DE)

1510 WAHT PA ANNVILLE - 10/31 0615 noted fair o/WTIS w/s/on, WLAC was OFF til 0620! (KDF-IL)

1530 UNID 11/3, 11/4 strong OC noted AN both AM's, strong in WCKY null, D-F points toward WRBX. (DS-DE)

1550 WBSC SC BENNETTSVILLE - 11/5 0030 noted later than usual w/ID, Mutual nx, CW/Jazz mx, equal w/CBE. (DS-DE)

UNID 11/6 0005-0045+ somebody here w/ET, TT than SS mx, loud w/CBE nulled. WRHC or WYOU? (DS-DE)

1560 WBUK MI PORTAGE - 10/30 0644 noted w/"The Big Buck" ID's. (BM-WI)

WTOH OH TOLEDO - 10/30 0651 ad for auto parts store, weather central forecast. (BM-WI)

1570 WTLK NC TAYLORVILLE - 10/26 0601 s/on noted, 271 watts! (EM-FL)

WTTI VA ROCKY MOUNT - 10/26 0603 s/on noted w/500 watt PSA! (EM)

1580 WBRB SC TRAVELERS REST - 10/30 0630 fair in mess w/s/on, then gone. (KDF-IL) Where'd it go? (DS)

WANB PA WAYNESBORO - 10/26 0541 fair w/FM ID, mention that AM would be off in a few minutes. (EL-IL) Hey Eric! Why, why, why would he want to s/off in the morning? What brand do you smoke? (DS)

WPGC MD MORNINGSIDE - 10/30 0628 news magazine, mentions noted of Baltimore/Washington. Tenative. (BM-WI)

1590 WACA SC CAMDEN - 11/1 0559+ briefly on top w/s/on. (KDF-IL)

1600 WREP AL HUNTSVILLE - 10/26 0652 ID's as "We-up", ad's, ID, station address. Very Good. (BM-WI)

YERP-1570 PULLS ANOTHER ALL TIME RADIO 'LOW':

They're back on, playing C/mx. And they've got great ad's for "I-Rated" video tapes! Just remember, they brought you the Wolfman! (Sorry, Chuck, that was just TO GOOD to get away-hill)

SIXTEEN, THIS WEEK:

NZ-NE	Neil Zank, Lincoln, Neb.	HQ180, 2' Loop
JB-NY	Jerry Bond, Rochester, NY	Superadio, RCAB8T
KVJ-GA	Karl Jeter, Decatur, GA	HQ145, Loop
KO-IL	Ken Onyschuk, Park Forest, IL	Superadio
KDF-IL	Karl Fourth, Chicago, IL	HQ160, Loop
WPT-DC	William P. Townshend, Inc., Wash., DC	TRF
MT-MD	Mike Tuggle, Bel Air, MD	Lynodyne Ital, LW
PK-WI	Paul Kowalski, Milwaukee, WI	R1000, Radio West Loop
EL-IL	Eric Loy, Mahomet, IL	TRF
KAZ-RI	Neil Kasaross, Pawtucket, RI	
BM-WI	Bob Mielcarek, Milwaukee, WI	DX160, TRF, LW

MC-MA Mark Connelly, Billerica, MA
 DQ-NJ David Quinlan, Roseland, NJ
 TB-DC Thomas Bull, Washington, DC
 EM-FL Ed Mitkus, Tampa, FL
 DS-DE Who'd you expect, Dave Schmidt?

Pinto Car Radio, Dip Stiek
 Scott All Wave Modified

RF2600, ICF5900W, SM2, TRF
 HQ-180, TRF, SM2

This column is going together 11/10, and would you believe that were having a Thunderstorm today? And the temp. is around 50. Strange.

For those who have any last minute items, I would suggest calling on Sunday AM. My phone # is 302-322-6586. I'm usually here til 8 PM when I run out of the house, both hands in the air, screaming!

Thank to all for their tips!

73's, Good DX!



WKBW Radio 15
 A Friendly Place



P-au-P HAITI

1080 khz AM
 102 mhz FM stereo
 105.1 mhz FM mono
 Cap 770 khz
 Arifonite 970 khz
 Cayes 270 khz

ondes décamétriques:
 9545 khz bande 31M
 5075 khz bande 49M

rue du magasin de l'état
 boîte postale 1143
 P-au-P, Haïti (W.I.)

adresse téléphonique:
 4VRD-PAP

tél: 2-2420, 2-2421, 2-2442

4VRD RADIO NATIONALE

Le 23 octobre 1980

M. Ernest R. COOPER
 National Radio Club
 5 Anthony Street
 Provincetown, Massachusetts, 02657
 U.S.A.

Monsieur Cooper,

Suite à votre lettre du 30 septembre dernier, nous sommes heureux de vous aviser que c'est bien la 4VRD RADIO NATIONALE que vous aviez captée le 27 septembre, car les informations fournies concordent bien avec la grille de programmation de la Station.

Nous vous envoyons sous ce couvert le livret "A l'Ecoute de la 4VRD", livret qui vous donnera une large vue des différents programmes de la 4VRD.

Nous vous remercions bien sincèrement pour l'intérêt que vous portez à notre station et vous prions d'agréer, Monsieur Cooper, l'expression de nos salutations distinguées.

Alexandre Charles ABELLARD
 Directeur Général

le réseau éducatif haïtien

INTERNATIONAL DX DIGEST

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

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

- 155 USSR Khabarovsk 10/28 1220 male w/talk o/male singer, was also 77191. (Vernon)
- 164 FRANCE Allouis 10/29 0450 male and female w/light talk between bits of mx, sig never strong (MW much better) //1350 and others.
- 173 USSR Kaliningrad et al Program One 10/28 0435 mx very difficult to pick out, have a sort of fake carrier at 173 on my rx, can't get rid of it. (Vernon, last two)
- 173 USSR Yakutsk Program One 10/27 1238 harp mx, 1240 male, stn never in very well, //155 and 245. (Vernon)
- 182 USSR unknown, Program One 10/28 male w/talk 0702 and was // Anadyr 4030 KHz but could find a // to check at 0445, was not FF or // 783. (Vernon)
- 182 USSR Petropavlovsk 10/27 1244 male singing, no // found. (Vernon)
- 191 USSR Blagoveshchensk 10/27 male w/talk 1236, no // found. (Vernon)
- 200 USSR Irkutsk Program One 10/28 1224 piano mx, male w/brief talk between selections, poor but good on //182, 236. (Vernon)
- 200 ENGLAND Drotwrich 10/28 0550 tone every 10 seconds, noted w/Men of Harleigh, then "Rule Britannia" mx 0558, faded before 0600 pips. 10/29 0449 w/World Service Financial program in EE. (Vernon)
- 209 MOROCCO Azilal 10/29 0141 male singing in AA style, first LW TA in and most consistent TA here so far. (Vernon)
- 227 MONGOLIA Ulan Bator tentative 10/29 1355 male w/talk, 1358 female to 1358:50, silence, 1400 six pips, then male and female w/Radio Moscow ID but no FS IS. Talk sounded RR, no idea what Mongolian sounds like. Quite clear 1400+, taped report sent. Lots of beacon QRM, could find no USSR //. (Vernon)
- 236 USSR Magadan Program One 10/29 1330 piano mx //1008, very strong. (Vernon)
- 245 USSR Vladivostok Program One 10/29 1343 male singer //155 and 191. (Vernon)
- 612 AUSTRALIA 4QR Brisbane 10/16 female singing "Argentina" 1117, 1120 male anncr //774. (Vernon)
- 620 HAWAII KIPA Hilo 10/22 1017 s/off male o/flute mx, no anthem. (Vernon)
- 630 ALASKA KJNO Juneau 11/2 rr mx, 0900 ID as "Radio 63", KJNO, Nuneau. CBS mx followed, now seems to have rr automated format, dropped ARN to KINY 800. (Vernon)
- 630 AUSTRALIA 4QN Townsville 10/30 1016 operatic type mx. (Vernon)
- 650 HAWAII K0RL Honolulu 10/19 1212 spot for a ballroom, ID'ed as K-65, ballad followed, rare here, noted during a KYAK fade. (Vernon)
- 657 NEW ZEALAND ZYC Wellington 10/16 1140 classical mx, 10/17 1102 w/BBC mx. (Vernon)
- 663.5 COLOMBIA HJJM Cali--badly distorted audio from R. Uno-660 found here SunM 10;26 hetting XERPM 0547-0605 and was still there late as 0900 recheck. Also noted and taped the unmistakable Suceso ID heard on many of the HJ's. Yet the BFO could not produce a whistle on this stray emission as it does on many of the HJ's, (oops, make that "any regular carrier"-CH) only a sort of growl. This is not my four year old SA mystery stn but some sort of transmission freak. Was still there at 0900 10/29 but weaker. (Martin)
- 666 UNID DU carrier f/out noted about 1340 10/30. Sunrise was 1326. Has anybody heard Surabaya here? Northern Asiatics missing that AM. (Martin) Not that I know of-CH
- 675 NEW ZEALAND 3YA Christchurch 10/24 1126 male singer //810, 819 etc. (Vernon)

702 AUSTRALIA 2BL Sydney 10/17 1016 band mx //612 in KEYR fade. (Vernon)
 720 NEW ZEALAND 4YZ Invercargill 10/27 1230 male w/TC and talk //675,
 756, 810, 819, all in well w/National program. (B. Vernon)
 747 JAPAN JOIB taped news broadcast in EE 1004-1015 10/29. Believe
 it followed the EE language lesson in previous half-hour. How
 long has this been going on? Other JO's the same morning on
 702, 873, 891, 774, 693, 666 plus a NW carrier at 1476. (Martin)
 765 UNID at 0600 11/6, I heard a loud het on 765. Turning on the BFO
 and turning the loop I discovered some audio. When I tuned to
 766 the audio came up. There was a man talking in FF with a poss-
 ible newscast. I heard several African towns mentioned. Is it
 possible to receive Africa this far away from Africa in Dallas?
 (George) Sure-they have been heard all across the country-CH
 774 AUSTRALIA 3LO Melbourne 10/24 1002 end of nx in brief ID for
 Radio One, big signal. (Vernon)
 774 AUSTRALIA 4TO Townsville 10/17 1020 rr mx, 1022 male w/22 past 8
 TC then commercial, 1024 3LO band mx //702, 612. QRM too strong,
 4TO noted a couple of times when on 780. (Vernon)
 792 AUSTRALIA 4QG Brisbane 10/26 1207 male w/cricket scores, then
 main nx points again. (B. Vernon)
 800 GUAM KTWG Agana 10/30 calssical mx, 1133 ID, prayer then wx fore-
 cast, tropical storm warning, all schools closed, believe storm
 was called Betty. (Vernon)
 810 NEW ZEALAND 4YA Dunedin 10/16 1123 instrumntal mx, good sig o/
 KGO 77783 and 819. (Vernon)
 819 ANDORRA La Vieille R. Sud 10/28 0614 male w/FF anncts so likely
 this. (Vernon)
 819 NEW ZEALAND 1YZ Rotorua 10/27 1209 EZL mx //756, 810, 837 w/
 National pgm. (Vernon)
 830 DOMINICAN REPUBLIC HIJB Santo Domingo l&c, atop w/jingle followed
 by SS rock mx 0002 10/16. (DeLorenzo)
 837 NEW ZEALAND 1YX/1YK Whangarei, Kaitaia 10/17 1053 instrumental mx
 7054 male anncr, //819 and 810, fair sig. (Vernon)
 840 PANAMA 0630 playing organ mx and EZL SS mx. Stn over the Cuban
 and WHAS, ID's by man and woman. (George)
 846 KIRIBATI 73K1 Tarawa atoll 10/24 female in nstive lingo, 0957,
 then into EE 0958 w/s/off mentioning the frequency, did not de-
 tect any mx after s/off annct at 0959 as sig faded. (Vernon)
 873 USSR Leningrad Program One 10/30 0254 tones on for 4 1/2 seconds,
 then off for 4 1/2 seconds, 0258 silnce, 0300 female and male
 ancrs, no pips or IS on the hour. (Vernon)
 882 ENGLAND Washford R. Wales 10/28 0603 1/2 wx forecast then R. Two
 MOR type pgm. (Vernon)
 890 ALASKA AFRN Elmendorf tentative 10/27 1202 xmtr being switched
 on and off on AFRN net //Adak Island, heard w/echo and alone
 when testing xmtr off, so maybe Elmendorf 1 kw emergency rig.
 They have dropped the "alaskan Forces Satellite Network" ID on
 the hour, now they are "the station that gives you more of what
 you listen to radio for, the sound of Alaska, AFRN". (Vernon)
 890 DOMINICAN REPUBLIC HIPJ R. Continental, Santo Domingo good, alone
 with no WLS w/ID between 2 Stevie Wonder tunes 0007 10/16.
 (DeLorenzo)
 927 BELGIUM Wolverson 10/28 0508 noted w/vocal EE mx. (Vernon)
 936 WEST GERMANY Bremen 10/29 0548 spot for "Rock Symphony" LP by
 London Symphony Orchestra in GG. (Vernon)
 936 USSR unknown Program 2 1059 1/2 quite weak but Mayak IS clearly de-
 tected, new here. (Vernon)
 940 HAWAII KDEO Waipahu 10/19 1200 ID "serving the 50th state from
 cwntral Oahu, KDEO Waipahu, the new voice of Oahu, KDEO Radio
 94. Mutual nx followed. (Vernon)
 950 ALASKA KRXA Seward 11/2 0459 s/off following classical mx, no
 anthem but "Faith of our Fathers". Seems the weekend rr pgm
 is no more. (Vernon)
 954 CZECHOSLOVAKIA Brno 10/28 Praha 0329 Harp Praha IS, 0330 6 pips,
 female, clearly heard Czechoslovak Radio and Radio Praha mentio-
 ned, she then read nx to 0335 1/2. Xlnt sig. (Vernon)
 954 NEW ZEALAND 1XW R. Waikato, Hamilton 10/19 1238 rr mx then male
 mentioned 21 1/2 before ????, this Monday morning. RR mx followed.
 Monday would indicate this stn; was still Sunday in Australia.
 Two stns mixing here though. (Vernon)
 954 UNID 10/19 1251 male w/tele-talk, format would indicate 2UE, no
 ID caught yet, heard a few times when on 950. (Vernon)

963 FINLAND Turku One, 10/28 tentative 0510 male w/talk clearly
 about alcohol, words like Alcholyline and similar sounding words
 mentioned often, 0513 female anncr, 0516 male via phone, other
 talk, -517 famous classical mx piece, Xlnt sig. (Vernon)
 1000 COLOMBIA HJAJQ LV de Cartagena good o/second LA w/RCN ID's 0525
 10/16. (DeLorenzo)
 1008 AUSTRALIA 4IP Ipswich 10/16 1047 rr then spots and ID. (Vernon)
 10/27 1036 rr mx featuring Stevie Wonder on "Super-star". (Vernon)
 1008 NEW ZEALAND 12D Tauranga 10/28 1134 male mentioned All-Blacks vs.
 Newport rugby game from Wales at 3:30 AM so likely net was on AN
 for that. (Vernon)
 1017 TONGA A3Z Nuku'alofa 10/17 0954 rr mx w/girl in unid native lingo,
 0956 "Radio Tonga news", female again in native lingo. (Vernon)
 1026 AUSTRALIA 4MK Mackay 10/16 1104 male w/wx. (Vernon) 10/27 1033
 rr mx, 1035 male w/ID. (Vernon)
 1035 NEW ZEALAND 2ZB Wellington 10/21 1225 male w/pre-game report.
 Com. net was on for rugby from Wales. 1330 game started, //1008,
 very strong signals. (Vernon)
 1035 USSR Estonian SSR Tallinn 10/30 0301 USSR anthem in progress,
 0303 1/2 choir mx, believe Estonian anthem, 0307 female w/talk in RR
 sounding lingo. (Vernon)
 1044 NEW ZEALAND 4ZB Dunedin 10/17 1056 race results //1008 and 1035.
 (Vernon) 10/26 1215 male talking about World Cup soccer final
 of 1966, //1035 very strong w/Com. net. (Vernon)
 1050 MEXICO Monterrey...sounds to me as if the SS version of XEG here
 nightly up to 0530 uses a different low-powered transmitter than
 the EE XEG which follows it. XEG in SS is often very weak and is
 marred by heavy interference from at least two other LATins plus
 Canada on occasion. This is with XED completely nulled out. At
 the changeover, you hear the SS XEG drop the carrier with the tx
 leaving the air, a rush of noise for 15 or 20 seconds, then the
 EE XEG begins with the needle shooting way up, and nothing inter-
 feres with it. Don't believe it's a case where the EE XEG goes
 directional for it's unnecessary for a transmitter to leave the
 air before going to a DA. Does anybody know for sure? Anyway, it
 sounds like the SS XEG is no more than a 5 or 10 kw station.
 (Martin) There is always at least a momentary interruption when
 switching to a DA. Many stations with old equipment have a change-
 over that takes a few seconds. Possibly XEG finds it necessary
 to shut the carrier off to go DA because their old equipment
 can't handle the RF from a 150 kw xmtr. Just guesswork-CH
 1053 JAPAN JOAR Nagoya 10/28 1153 stn plays weird electronic echoing
 mx alot, AN, really strange mx, will have to write them to ask
 why. (Vernon) Probably for the Canadian mining audience-CH
 1098 MARSHALL ISLES WSZO Majuro 10/27 1154 male in native lingo w/
 s/off, only word picked out was "goodnight", then native mx, maybe
 anthem, OC was off at 1157. (Vernon)
 1098 NEW ZEALAND 3ZB Christchurch 10/19 1204 male w/wx, then familiar
 instrumental mx w/male anncr signing off. (Vernon)
 1107 WEST GERMANY AFN Munchen 10/29 0432 c&w mx w/male anncr in EE.
 (Vernon)
 1116 AUSTRALIA 4BC Brisbane 10/27 1157 rr mx then male gave TC and
 ended his show. (Vernon)
 1116 NEW ZEALAND 2YX Nelson 10/27 1119 EZL mx then male w/TC //819
 etc. w/National Program. (Vernon)
 1120 DOMINICAN REPUBLIC HIGN R. Antillas, Santo Domingo good o/u 2nd
 LA w/SID, jazz 0455-0457 10/16. (DeLorenzo)
 1125 USSR Leningrad Program Two 10/30 0521 light mx, 0529 1/2 Mayak IS,
 0530 male w/talk. (Vernon)
 1130 MEXICO XEZL 0300 11/3 w/ranchera and R. Alegria ID o/u KWKH.
 (George)
 1134 YUGOSLAVIA Tovarnik 110/29 0459 instrumental mx, 0500 three very
 long pips at 0459:54 and :57 seconds, the last being 3 seconds
 long. Female clearly mentioned Radio Zagreb then female and male
 anncrs alternated w/nx items.Xlnt sig. (Vernon)
 1152 ROMANIA Cluj 10/29 0425 very big choir mx, sang a few songs with-
 out annct. Xlnt sig. (Vernon)
 1179 SWEDEN Horby 10/29 0523 likely source of male w/quiet talk o/
 thymbmic type band mx. (Vernon)
 1188 HUNGARY Szolnok 10/28 0347-0400 mx mix including mx from an EE
 rr album 0349+. 0400 5 pips, male w/nx, Iran mentioned a couple
 times, 0402:45 organ mx melody. Noted also //1251. Xlnt sig.
 (Vernon)
 1197 AUSTRALIA 4GG Southport 10/28 1136 rr mx then male giving local
 time and also south of the border (NSW). (Vernon)

- 1197 WEST GERMANY Munich 10/28 VOA 0346 uptempo mx from "Oklahoma". (Vernon)
- 1206 AUSTRALIA 2CF Grafton 10/28 1246 rr mx then male w/TC, sounded pre-recorded, then SID, stn seems automated to me now. (Vernon)
- 1206 CHINA Kunming 10/29 1159 Oriental instrumental mx, 1200 pips, male in CC. (Vernon)
- 1233 CZECHOSLOVAKIA Praha 10/30 0417 moted w/beer garden type mx. (Vernon)
- 1242 JAPAN JOLF Tokyo 10/27 1220 male w/female on phone. (Vernon)
- 1250 ALASKA KBBI Homer 10/31 0002 end of BBC Science Magazine from NPR then Radio Canada documentary on King Tut. (Vernon)
- 1251 HUNGARY Siofok 10/28 0403 organ mx //1188, terrible het and KBBI QRM. (Vernon)
- 1260 POLAND Szczecin 10/28 0426 uptempo mx then female anncr, also //1206. (Vernon)
- 1296 NEW ZEALAND 1ZH Hamilton 10/21 1322 rugby talk //1008, o/4BK briefly. (Vernon)
- 1305 SOUTH KOREA HLSV Uljin 10/27 1145 male singer, 1146 female in some kind of play, also //1467 KBS net. (Vernon)
- 1314 AUSTRALIA 2WL Woolongong 10/24 0938 Osmonds record, 0940 male mentioned that the Osmonds would be featured all weekend long, that should lower their rating a little, hi. (Vernon) A lot-CH
- 1314 CHINA Chongqing/Zuzhou 10/29 1325 female w/talk in RR. (Vernon)
- 1325 UNID male with what sounded like a play into music, "Radio presenta musica popular" 0500 11/4. (George)
- 1332 NEW ZEALAND Radio One, Auckland 10/24 0927 EZL mx, 0930 male w/wx and Radio One ID, mentioned beautiful mx all around the clock. Female singers followed. (Vernon)
- 1341 NORTH IRELAND Lisnagarvey 10/29 0423 instrumental mx, terrible het. (Vernon)
- 1341 AUSTRALIA 2NX Newcastle 10/20 1231 rr mx, 1231 male w/ID then rr mx with good signal but w/a big het. (Vernon)
- 1350 HAWAII KIVM Lihue 10/22 0947 rr mx w/male anncr, 0958 s/off w/ mention of return at 4:30, female singer in native lingo followed, OC off at 1000%. (Vernon)
- 1395 ALBANIA Durres 10/29 0417 vocal mx then female in RR. (Vernon)
- 1440 LUXEMBOURG Marnach 10/25 0145 playing Frank Sinatra mx to 0200, then wx and back to rr mx format. (Vernon)
- 1458 ALBANIA Lushnje FS 10/28 0341 male and female in EE alternating w/items condoling the west. (Vernon) For what, I wonder//CH
- 1458 NEW ZEALAND 3YW Westport 10/27 1016 rr mx, heard consistently when DU cx good, //1035 etc. Com. net. (Vernon)
- 1476 AUSTRIA Wien-Bisamberg 10/28 0343 continental mx, alot of EE stuff, seems 24 hours now. (Vernon)
- 1476 CHINA Wencheng 10/27 1200 pips then female, just a little stronger than USSR. (Vernon)
- 1476 UKRAINE Lvov 10/30 0259:15 was listening to Austria for quite a while when all of a sudden this giant signed on, really rattled my ears too w/Mayak IS, 0300 man w/nx. (Vernon)
- 1476 USSR Vladivostok FS 10/27 1200 FS IS heard very clearly u/China, band mx followed by male and female in CC 1201. (Vernon)
- 1503 POLAND Stargard Szczecinski 10/28 0428 traditional jazz type mx, 0429 IS then male w/Radio Poland ID, this and IS repeated 4 times to 0430. Male w/I believe PP program followed. Never hrd a Radio Poland ID before. (Vernon)
- 1512 USSR Tallinn Program One 10/29 0500, 6 pips, organ musical tones for what must be a sort of news sounder, nx w/male followed. Another stn equally strong here w/a news sounder, believe it was Belgium but will have to check this later. Xlnt sig. (Vernon)
- 1521 CZECHOSLOVAKIA Kosice 10/29 0407 band mx, still no sign of Saudi Arabia. (Vernon)
- 1521 USSR unknown TP w/Program Two 10/30 1325 cl mx, 1329 Mayak IS, 1330 female w/talk. Fair sig, not hrd often. (Vernon)
- 1530 VATICAN 10/28 0414 IS repeated, 0415 male w/talk in a Latin type lingo, not sure which. (Vernon)
- 1539 WEST GERMANY DLF Mainflingen 10/28 fair signal w/female in GG at 0414. (Vernon)
- 1540 HAWAII KISA Honolulu 10/22 noted 1000 w/"America" then 1001 1/2 female w/Lord's Prayer, OC off at 1002 1/2. (Vernon)
- 1548 AUSTRALIA 4QD Emerald 10/19 1218 female w/story about Christianity in China, 1219 male w/talk in EE. (Vernon)
- 1575 THAILAND Ayutthaya 10/28 1249 male w/EE VOA pgm "Dateline" from Pittsburgh heard Tues-Fri. 1259 flute mx, 1259 1/2 OC off, returned at 1259:45, 1300 single tone (not sure if from this stn), 1300 1/2 brief band mx and male w/talk in unid lingo, should be a Radio Thailand pgm. Poor sig but readable, not heard here often. (BV)

That's all the room-credits next week-CH

1922 MODEL LOOP

Courtesy of Roger Giannini

September, 1922

Radio Journal

Page 405

Loop Aerials

By WM. A. BRENNIMAN

One of the outstanding developments of Radio is the trend towards the inside or so-called "Loop Aerial." It is pregnant with great possibilities. This article by Mr. Brenniman, who has studied this phase of Radio exhaustively and who has seen many months of active service in the U. S. Naval Radio Service, is therefore timely. We believe it interesting and instructive.

"I HAVE just purchased a very good radio receiving set, but as my landlord objects to my erecting an aerial I will be unable to use it unless I can contrive to something else." This is a frequent complaint.

Use a loop! That is the solution. Lamp socket aerials manufactured by reliable concerns serve well in some places. Scraping the enamel from bed-springs and using the bed-springs as an aerial is also an old trick that gives good results in some instances.

The latest thing today is radio frequency amplification and loop aerials. —a combination that goes hand in hand. A loop, however, intercepts but a small amount of the energy intercepted by a good antenna, so for best results radio frequency amplification should be used to build up the wave energy intercepted. It will not give satisfaction with a crystal detector unless it is preceded by radio frequency amplifiers.

One of the greatest possibilities and characteristics of loop receivers and transmitters lies in their extreme directional abilities. A properly constructed loop receiver may be pointed toward a transmitting station many miles distant and signals brought in to the exclusion of any interference from local stations.

A loop will receive best when pointed edge on towards the transmitter, the theory for the directional effects being that the front and back portions receive the signals "out of phase" when in alignment with the transmitting station, but "in phase" when turned perpendicular to the transmitter, so that both sides receive energy at the same time but deliver results in opposition to each other. This directional ability forms the base of the radio compass which is now so widely used in navigation, etc. Ships at sea may upon approaching harbors receive bearings from compass stations giving their exact positions. This form of navigation is almost indispensable during storms, dense fogs, etc. In time of war it plays a very important part. Enemy ships may be known to be in a certain locality, but their exact positions unknown. Two or more ships fitted with loop antennas can not only determine their exact positions, but

also the course they are steaming, as well as the speed they are making. It was thought for a long time that loop receivers could not be successfully used under ground and water, but during the war they played a very important part, receiving messages, orders, etc., in dugouts, etc., and further demonstrated that they could also be used with good results in submarines submerged. However, too great faith can not be placed upon their exactness when any metal objects are near the loop, as the waves are then distorted.

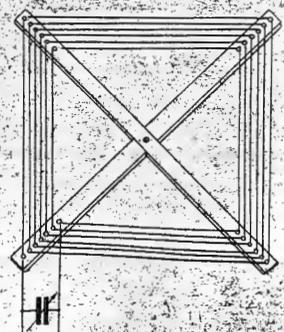
There are many different styles of loops, among which are included: The square loop, the rectangular loop, triangular loop, figure eight loop, square loop with figure eight windings, etc. The square loop, however, after a great many tests, proved to be the most popular, as in both direction-finding and receiving the square loop gives the best signals, and it is very directional.

SPIRAL LOOP.

There are two types of square loops. The spiral loop or coil is built in much the same order as a pancake coil,—that is, all the turns are in the same vertical plane, and each turn encloses an area smaller than the wire before.

SOLENOID LOOP.

The solenoid coil aerial is made with turns of wire the same dimension; spreading out horizontally like a square helix. The solenoid loop is the most universally used of all forms of



SPIRAL LOOP.



PICTURE OF THE AUTHOR OF "LOOP AERIALS," WM. A. BRENNIMAN, TAKEN JUNE, 1920, IN BORNEO, ON THE U. S. S. "MISHIANZA."

loop-aerials. Solenoid coils are being used on the inside of cabinets in conjunction with radio frequency, making a set self-contained and doing excellent work.

Following are given a few advantages and disadvantages of the loop aerial, and a comparison between it and the regular aerial as generally used.

Advantages of the loop aerial:

- Highly directive. Can be used for sharper tuning and compass effects.
- Inexpensive. Portable. Small in bulk, and can be very easily dismantled.
- Less affected by static and strays. Will reach any range desired when used with oscillating vacuum tube.
- Safe from lightning.

Disadvantages of the loop aerial:

Loops intercept but a small portion of the usual energy intercepted by a good antenna. Requires radio frequency amplification in the circuit to build up the signal strength before any degree of satisfaction can be obtained.

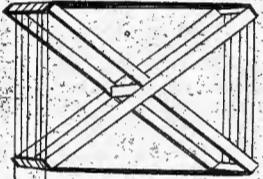
Following are given the characteristics of spiral and solenoid loops:

Spiral loop:

Highly directional, used mostly in compass work and detection. Can not be wound to as long wave lengths as the solenoid loop. Takes up less space.

Solenoid loop:

More turns can be placed on a solenoid for any given size of loop. Less directional than the spiral. Allows



TO RECEIVING SET

SOLENOID LOOP

broader tuning, permitting the receiving operator to use it as more of a "listening in" or untuned circuit.

In setting up a loop the best results will be obtained if it is mounted straight and not tilted. If it is mounted permanently it should be so mounted and arranged that it can be turned any direction from a distance by means of a rope and pulley or something similar. This is necessary because the capacity effect of a person's body when near it will distort and give inaccurate results. A variable condenser of .001 capacitance should be placed across in shunt to the loop to tune with.

In building a loop it is well to insulate the wire very thoroughly where it passes over the ends of the square. Bakelite is generally used with slots of corrugation so that they separate and keep the wires even and do not

absorb moisture. This insulation is necessary because if moisture and dust were to collect on the supports it would tend to decrease the distributed capacity which causes broader tuning.

In winding the loop, bare wire is generally used, as it eliminates insulation losses which occur where covered wire is used. No. 14 braided copper or tinned copper is most used, as it is easy to bend and work with. When a loop is wound horizontally the directional effect characteristic is eliminated, as the coil then will receive in one direction as well as another.

In winding loops some have been at sea as to just how far apart to place the windings. After extensive tests conducted by Chas. Marenus, one of the pioneer wireless men of the Pacific coast, the following table has been compiled:

Size of loop in feet	Spacing in inches
3	3/16"
4	1/4"
5	3/8"
6	7/16"
10	9/16"
15	1 1/8"
20	1 3/8"

Large loops with less number of turns seem to give better results than do smaller ones with more turns. Loops 4 to 8 feet in width are the ones most extensively used for telephone broadcast receiving.

Following is given the wave length range for different sizes of loops and turns computed by the author during the same tests.

Four-foot loops	
No. of turns	Wave length
3	200
4	300
5	350
6	400
8	500
10	600
15	1125
20	1200

Six-foot loops

No. of turns	Wave length
3	225
4	355
5	440
6	500
8	650
10	700
15	1150
20	1450

Eight-foot loops

No. of turns	Wave length
3	400
4	600
5	675
6	750
8	840
10	1100
15	1500
20	1900

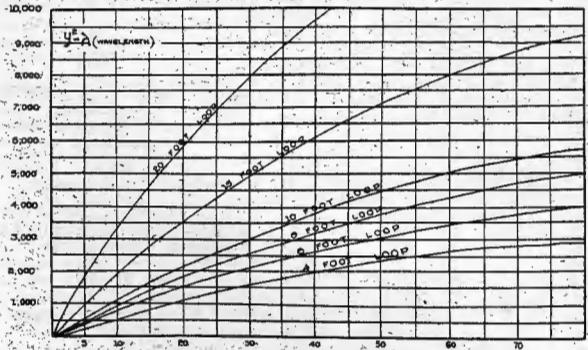
In bringing the leads from the loop to the receiver they should be made as short as possible, and should be arranged so that there is no capacity or inductance effect to other conductors, etc.

Very interesting experiments can be carried on with loops and radio frequency amplification. The study and experimentation with loop antennas are very interesting. Great strides have been made in this field already, but there is a greater field for development, and every day thousands of radio fans and devotees are finding a keen amount of enjoyment and satisfaction in working out new problems and ideas introduced by loop aeriels and radio frequency amplification.

The statement has been made that in New York City, Chicago and Pittsburgh department stores are handling radio equipment at the rate of approximately \$6,000 a week.

The New York Evening Mail recently relieved itself of the following pithy remark: "It has been said that when Greek meets Greek they start a restaurant. Nowadays when promoter meets promoter they start a radio corporation." The humor was in the course of a warning against investing in "Fly-by-night" radio corporations that are organized merely to relieve gullible investors of their money.

According to the Scientific American "a Ukrainian engineer is reported to have discovered a method by which radio messages may be sent to a definite receiving station without the danger of being intercepted by other stations. It is stated that by means of a simple apparatus the so-called 'locked power line' of the magnetic field may be straightened out and grouped into parallel rays. These rays are said to do away with the necessity of aeriels."



NRC REPRINTS LIST

NOVEMBER, 1980 - SUPERCEDES ALL PREVIOUS LISTS AND ORDER FORMS WHICH SHOULD NOT BE USED.

ANTENNAS

- A1 HIGH PRECISION DIRECTION FINDING ON THE BCB, Parts I & II. G.P. Nelson. Part I uses Maxwell's equations to derive the equations describing MW direction finding with a loop. Part II is a non-technical discussion of how a loop antenna operates and how to get the most out of a loop.
- A2 A ZERO SHARPENING DEVICE FOR A BCB LOOP. T. Holmes. If you're having trouble obtaining sharp nulls with a standard loop, this simple device may help. The 1965 forerunner of the Pattern Controlled Loop.
- A3 A VERSATILE LONGWIRE ANTENNA COUPLER, R. Foxworth. How to get the maximum amount of signal from your longwire.
- A4 ROLL YOUR OWN (LOOP THAT IS...), D. Fischer. Loop won't tune the entire band? This article describes what's wrong and how to cure it.
- A5 LOOP DISTORTION: WHY GET SKEWED? G. P. Nelson. Discusses origin of distorted loop patterns. Unique technical material not available elsewhere; a must for those interested in designing MW loop antennas.
- A6 PATTERN CONTROLLED LOOPS, Parts I & II. G. P. Nelson. Introduction to theory and practice of pattern controlled and cardioid loops.
- A7 THE FLORIDA BEVERAGE, J. Conrad. Jerry describes the fantastic results with a Beverage antenna and compares it with others he has used.
- A8 THE CARE AND FEEDING OF A WAVE ANTENNA, J. Starr. Practical construction hints for a Beverage antenna.
- A9 DOWN TO EARTH GROUNDS, G. P. Nelson. Hints on making low resistance ground connections for terminating a Beverage antenna.
- A10 A CALIFORNIA BEVERAGE, Fr. Jack Pejza. Another article describing the spectacular results obtained with a Beverage.
- A11 THE SUPER SIGNAL SNATCHER, D. Fischer. Article describes the theory of the Beverage antenna. Includes equations, tables, many diagrams.
- A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA, G. P. Nelson. Helpful information for those doing horizon blockage experiments with a loop antenna.
- A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M. Levintow. Shows and describes a simple way to skew your loop's pattern to effect a null that will permit reception of a station impossible to receive on a figure 8 loop antenna by itself. Reading of reprints A5 and A6 are a requirement for understanding this technique.
- A14 A NEW MEDICAL BREAKTHROUGH FOR LONGWAVE TA'S, C. Clayton. Instructions on how to build an inexpensive loop antenna for LW.
- A15 REVIEW OF THE DYMEK DA-3 ANTENNA, Pete Taylor, with notes by R. J. Edmunds. Evaluates this recent development in MW antennas and its application to MW DXing.
- A16 MORE ON BEVERAGE ANTENNAS, Wes Boyd. An update on Beverage antenna theory and application.
- A17 AN FET LOOP PREAMPLIFIER WITH COAXIAL OUTPUT, James Hagan. This article describes a highly effective balancing amplifier for the air core loop, useable with unbalanced receiver inputs, and featuring power tapped from the receiver and switchable attenuation controls to prevent overloading.

IMPORTANT NOTICE!

NRC LOGS - \$4.00

- A18 A WHIP ANTENNA COUPLER FOR USE WITH PORTABLE RECEIVERS, J. Hagan. A simple construction project to inductively couple a whip antenna to the internal ferrite rod in many portable multiband receivers.
- A19 NEBE: THE NEBRASKA BEVERAGE, D. Fischer, C. Dabelstein, R. Mitchell. A discussion of the Nebraska Beverage and the results of its use.
- A20 THE LSCA-1, Ron Schatz. Complete construction plans for building the Loop Sense Cardioid Array. NOT A PROJECT FOR BEGINNERS! This antenna system is complex to build and operate. Should yield a unidirectional receiving pattern if operated properly.
- A21 A GOOD LOOP IS EASY (AND CHEAP) TO MAKE, J. Tull. Construction plans with photographs for a simple loop amplifier system.
- A22 THE WEDGE ANTENNA. Charles Wolff. Plans to construct this alternative to the 4-ft. box loop for those with limited space.
- A23 A STURDY AND EFFECTIVE FLOOR STAND MOUNTING ARRANGEMENT FOR LOOP ANTENNAS. M. Maloney. Article on mounting air core loop antennas.
- A24 A LARGE APERTURE FERRITE CORE LOOP ANTENNA FOR LONG AND MW RECEPTION, J. Hagan. Details and theory for the construction of this new type of DX antenna.
- A25 A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP, M. Maloney. New ideas for improvements in ease of operation and sturdiness of loop antennas.
- A26 AN AC POWER SUPPLY FOR THE FET LOOP AMPLIFIER, J. Hagan, R. Edmunds. Tired of the high expense and short lifespan of batteries for your amplified loop? Here is a simple plan, complete with schematic, to adapt your loop amp to wall current.
- A27 SOME THOUGHTS/MORE THOUGHTS ON BEVERAGE ANTENNAS. J. Clements and Chuck Hutton. Originally two articles, this report gives some valuable additional thoughts on construction and use of the Beverage antenna. Goes well with A7, A10, A11 and A16.
- A28 ANALYSIS OF THE BEVERAGE ANTENNA. C. Hutton. This lengthy article is divided into two parts: the first giving basic theory of the Beverage antenna and the second dealing with two wire phased antennas. Filled with calculations and features 35 illustrations.
- A29 HARLEY LOOP ANTENNA, Harley Steward. This 18-turn spiral loop is very directional. A detailed drawing and construction hints are given.
- A30 REMOTELY TUNED DIRECTIONAL LOOP ANTENNA, E.L. Cummins. Shows how the limitations of a very poor shack, in this case a mobile home, can be overcome by use of an outdoor, remotely controlled, loop antenna. Mr. Cummins gives many practical points for others wishing to experiment with remote antenna installations.
- A31 SIMPLE CHEAP AND EFFECTIVE PRESELECTOR-LONGWIRE TUNER-AMP, B. Sherwood. This construction project will result in a device which not only will tune your longwire, but will amplify the signal as well. Schematic and brief instructions are given.
- A32 RADIO WEST LOOP VS. THE SM-2, Mark Connelly. Two commercially available ferrite loop antennas are tested side-by-side for sensitivity, frequency range, nulling, tuning sharpness/selectivity of preamplifier and ease of operation.
- A33 ANTENNAS FOR AM BROADCASTING, Steve Kennedy. Gives a brief history of early station antenna systems and explains what types are in use today.
- A34 DX'ING WITH THE DX FLIERS, G. Thomas and C. Barfield. Describes the results of experiments using kite supported antennas for MW reception.
- A35 PRACTICAL PHASED BEVERAGES, C. Hutton. A detailed guide to constructing this superior antenna, which combines the best of both the loop and Beverage antennas. Includes some additional comments by Mark Connelly.
- A36 LOOP-LONGWIRE COMBINED ANTENNA, P. Swain. A look at the use of "sensing" antennas for both DXing and direction finding.

RECEIVING EQUIPMENT AND TECHNIQUES

- R1 SPURIOUS SIGNALS AND SPURIOUS SIGNALS REVISITED, R.J. Edmunds and G.P. Nelson. Many DXers hear stations on frequencies where they don't belong. Article describes causes and cures of spurious MW signals. Especially valuable if you have powerful locals nearby.
- R2 SINGLE SIDEBAND RECEPTION ON THE BCB WITH MECHANICAL FILTERS, G.P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with MW interference--particularly in the presence of powerful local stations. Explains how to fit mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. This technique is widely used by many top MW DXers.
- R3 SUBAUDIBLE HETERODYNES ON THE MW BCB, G.P. Nelson. Details on a technique which permits the MW DXer to detect and characterize signals too weak to hear at the time; also allows the DXer to count the number of stations on a channel; even if no programing is audible and permits direction finding on channels with several stations present.
- R4 MODIFYING THE TRF. A compilation of seven articles for improving this fine portable receiver. Included are 'Modifying the Realistic TRF to 10 kHz Readout', 'Additional Tips for 10 kHz Readout' by Charles Barfield and Gerry Thomas. 'A Real External Antenna Jack for the TRF' by Chris Bobbitt and 'Modifying the TRF for SM-1 Use' by B. Sherwood are included as is 'Tilting T-Bar Antenna Tuner for the TRF'. Also, Chuck Hutton's 'Selectivity Modification' and 'S-Meter for the TRF' by Mark Connelly.
- R5 THE TRACKING PROBLEM AND HOW TO CURE IT, G.P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation; this article describes one of the most common design faults and how to cure it. Very useful if you have strong locals.
- R6 ELECTRONIC VERNIER TUNING, R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandspread.
- R7 MECHANICAL FILTERS FOR THE HQ-180. J. Starr. Complete details on the conversion of the popular Hammarlund HQ-180A receiver to mechanical filter operation. Order with R2.
- R8 REDOING OLDER RECEIVERS, C. Hutton. The author explains how he took a \$50 HQ-129X receiver and rejuvenated it to compare favorably with a Collins R-390 or R-388. An electronics background is helpful in implementing this article.
- R9 RECEIVER/ACCESSORY INTERFACES MAKE SIMPLE AND CHEAP, R.J. Edmunds. A discussion of methods of interconnecting DX equipment.
- R10 UP THE CARRIER, W. Bailey. Dig the weak DX out of the mud with this form of exalted carrier reception.
- R11 PRECISION FREQUENCY MEASUREMENT, R. Schatz. How to use the frequency counter, an instrument now within the budget of the average serious DXer.
- R12 THE FMS-3 FREQUENCY MARKER STANDARD, R. Foxworth. A review of operation, how to make the proper connection to the receiver, and some modifications incorporated by the author to permit full use of the unit's capabilities.
- R13 SINGLE SIDEBAND RECEIVING ADAPTERS, T. Sundstrom. How to sharpen your receiver's IF bandpass using a B&W 370 receiving adaptor.
- R14 REVIEW OF THE AUTEK Q-BOX, T. Sundstrom. Describes the uses of this new noise filtering device and its applications in MW DX.
- R15 REVIEW OF THE HEATH SB-620 SPECTRUM ANALYZER, R. Foxworth. A comprehensive and detailed analysis of the unit's operation and uses as related to MW DXing.
- R16 THE WORCESTER LONG DISTANCE AM RECEIVER, J. Worcester. A stage by stage description of the construction, theory and circuitry of a new type of AM DX receiver.

- R17 BUILD YOUR OWN AUDIO FILTERS, P. Sullivan. A somewhat technical theory and construction article on inexpensive homebrew audio filters for the DXer.
- R18 THE RUSTRAK R-88 RECORDER, R. Schatz. Explains operation and use of this versatile chart recording marker and its applications to the study of propagation in MW DXing, and gaining insights into potential loggings.
- R19 A BRIEF REVIEW OF THE AUTEK QF-1 AUDIO FILTER, C. Hutton. A non-technical review of this new noise and interference filter.
- R20 A FREQUENCY COUNTER FOR RECEIVER TUNING, R. Foxworth. A very thorough paper on digital readouts and what to look for in various models. Discusses technical theory and provides circuitry to enable the experimenter to build a counter for use as a "digital dial". Very thorough.
- R21 FURTHER RECEIVER HOT RODDING HINTS, C. Hutton. Tell what you can do to further improve the performance of even the best commercial receivers, and some problems with the older receivers being used.
- R22 THE LYONODYNE CRYSTAL WIRELESS RECEIVER, R. W. Tuggle. The concepts of vintage crystal radio are incorporated in these detailed construction plans for a simple receiver, offered as a "sporting" alternative to modern receivers; yet it has the potential for real DX.
- R23 DIVERSITY RECEPTION, C. Hutton. Using more than one antenna and receiver is an effort to reduce fading and interference on one frequency. This article deals briefly but concisely with the basics of "DR" and how it can be applied to Medium Wave DX.
- R24 TIPS ON REMOTE TAPING, R.J. Edmunds. Are you going away during that rare DX test? This article explains several methods you can use to turn your receiver and recorder on while you are otherwise occupied. Useful with R9 and A26.
- R25 STRONG SIGNAL HANDLING, C. Hutton. This technical article explains that sensitivity and selectivity are not the only, nor the most important, considerations in a receiver.
- R26 RECORDING JACKS FOR RECEIVERS, Dave Arbogast. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver.

DOMESTIC DX

- D1 1570-1580 STATION LOCATION MAPS. Two maps pinpointing the location of all domestic stations operating on these two superb sunrise/sunset skip channels. A valuable aid to the sunrise/sunset DXer.
- D2 IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS, J. Murley and R. Schiller, respectively. If you are unhappy with your domestic QSL returns, read this article on the station's attitude toward reception reports. Also, veteran DXer Ron Schiller gives tips on increasing your returns.
- D3 CANADA'S WILDERNESS RADIO: THE LPRT. P. Taylor. In depth study of those 20 and 40 watt Canadian stations that you hear, but don't understand. A must for the domestic DXer.
- D4 WHAT IS A PRE-SUNRISE AUTHORIZATION? R.J. Edmunds. Some U.S. stations are authorized to operate with powers such as 14.3 watts during certain hours; this article explains why.
- D5 LONG DISTANCE RECEPTION OF DX TESTS, F. Dailey. Are you thinking about asking a station to do a DX test? Here are some proven techniques, that if used by the station could make it easier for DXers to hear the test. A must for novice CPC members.
- D6 MAKING THE BEST OUT OF PREPARED-CARD VERIES, Kelly Andrews. Ideas to show you how to obtain those elusive veries through imaginative and creative prepared cards; with numerous samples.

- D7 ACCURATE DISTANCE DETERMINATION FOR GY DX'ERS, Bill Hale. A method for determining distance of local-channel stations for the listener is presented, along with a table of geographic coordinates for every U.S. city with a GY station.
- D9 THE NSP SITUATION, J. Starr. A look at this problem from the broadcasters' side of the fence.
- D10 DX FROM THE TWILIGHT ZONE, F. Sullivan. For various reasons some stations are audible at sunrise and sunset only. This article explains the reasons.
- D11 GRAVEYARD DX, R. Foxworth, with addition by M. Levintow. This article tells you how to DX those cluttered local channels and get results.
- D12 CANADIAN FAMILY LIFE...IT'S TWINS. Explains why many station "families" exist in Canada. List of station groupings as of Nov. 1978, with 1979-80 updater. Includes LPRTs and other stations of better DX potential.
- D13 THE CANADIAN AUDIO NETWORKS, Brian Vernon. Explains origin of Canadian audio networks and tips on identifying stations belonging to them.
- D14 GRAVEYARD STATIONS MAPS, Bill Hale. Useful maps for those who like the challenge of "dead" frequency DX. Includes station listings for each graveyard frequency.
- D15 SOME TIPS ON IDENTIFYING UNID'S, R. J. Edmunds. Offers practical tips on how to ID stations using reference materials and deductive logic.
- D16 SUNRISE SKIP DX, R. Kramer. Practical explanation of how to add stations to your log through understanding pre-sunrise authorities, station allocations on clear channels and auroral effects.

STATION LISTS

- L1 FREQUENCY CHECK LIST, Joe Fela. Many U.S. stations run equipment tests at regular intervals and times. This list is a valuable aid to new loggings. Updated yearly.
- L2 THE BANANA LIST, R.F. Schatz. A breakdown of stations in the San Pedro Sula and Tegucigalpa, Honduras areas as of Jan. 1978.
- L3 CUBAN STATION LIST, C. Hutton. This up-to-date listing is a handy resource for the International DXer. Updated yearly.
- L4 NON-DIRECTIONAL AERONAUTICAL BEACONS, D. Davis. An explanation of the types of beacons found in and near the MW band, plus updated listing of aeronautical beacons.
- L5 BROADCASTING IN GERMANY, Arnim Littek. Besides a detailed listing of MW operations in Germany, there is included an overview of German broadcasting and networks, plus hints to help hear German stations in the U.S.
- L6 A SURVEY OF LA SPLITS, C. Hutton. A list of all Latin American stations presently operating on split frequencies. Updated yearly.

FOREIGN DX

- F1 DX'ING LATIN AMERICA AND THE CARIBBEAN by N. Kazaross, M. Connelly and M. DeLorenzo. A detailed listing of 46 LA and Caribbean countries with MW operations, listed in order of easiest-to-hear to most difficult, along with helpful hints to logging.
- F2 TA TIPS FOR BEGINNERS, Dave Yocis. Valuable information is offered here from a practical standpoint to the DXer trying for his first TA receptions.
- F3 PORTUGUESE FOR DX'ERS, R. Schatz. Describes the important and unusual features of this language; a must if you DX Brazil.
- F4 TA DX'ERS GUIDE TO SUNRISE-SUNSET TIMES, Mark Connelly. A handy reference to SRS-SSS times with extensive tables for many locations to aid the TA DXer.

- F5 HUNTING LATINIS BY MUSIC, R. Schatz. Describes types of LA music indigenous to various countries and tells how to ID LA stations using this information.
- F6 ZONAL-ANALYSIS APPROACH TO TA DX, Mark Connelly. A systematic method of grouping TA countries to help the DXer recognize different types of openings and improve TA reception.
- F7 ZONAL-ANALYSIS APPROACH TO PAN-AMERICAN DX, Mark Connelly. Similar to F6, with the emphasis on helping the Eastern U.S. DXer log LA and South American stations.
- F8 THE ASIA-AFRICAN FREQUENCY PLAN, from New Zealand DX Times.
- F11 ITU FREQUENCY ALLOCATIONS AND THEIR IMPACT ON TA DX'ING, M. Connelly. Trying for TA's on their new frequencies? What are your chances of logging a specific station? All region I MW frequencies are listed and what should be heard under good conditions.
- F12 COMMON SENSE T.A. DX STRATEGY, M. Connelly. Practical hints are given for newer DXers to hear Trans-Atlantic stations.

MISCELLANEOUS ARTICLES

- M1 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH? G.P. Nelson. Many DXers complain about certain local stations overmodulating and producing large amounts of interference. Article describes FCC regulations on sideband radiation on the MW band and types of station originated spurious radiation.
- M2 MODULATION ARCING, J. Starr. Describes a frequent but rarely discussed cause of MW interference originating at the station that can wreak havoc on the MW band.
- M3 SUNRISE-SUNSET TABLES, G.P. Nelson. These charts permit the DXer to determine accurate time of sunset and sunrise at any point in the world on any particular day. Very useful for international DXers.
- M4 QUASIMONTHLY PATTERNS IN ATYPICAL MW DX RECEPTION, G.P. Nelson. A large body of data on TA reception gathered by R. Wood in England. Information is analyzed in an attempt to disprove the Lunar Phase Theory.
- M5 UNRESTRICTED RADIATION, G.P. Nelson. Discussion of carrier current stations and how to hear them.
- M6 RF POLLUTION, G. Hauser. General discussion of the radio interference problem and steps necessary to control it.
- M7 PATTERNS, PARTS I, IIa AND IIb. P. Hart. An understanding of the directional patterns used by North American MW stations is vital for the active domestic DXer. This series of articles explains in authoritative detail what patterns mean and how the DXer can fatten his log by understanding them.
- M8 PRECISION FREQUENCY ANALYSIS, R. Schatz with notes by R.J. Edmunds. A discussion of the technique of analyzing the characteristics of a station's frequency over the long term as an aid to the identification or elimination of stations as possible DX catches at any given time.
- M9 MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED, Wes Boyd. Supplementary information to the articles contained in the current edition of the NRC Night Pattern Book.
- M10 SUPERMODULATION AND EFFECTS ON DX'ING, Steve Kennedy. Discusses why there is overmodulation and how this problem will affect the DXing hobby for some time to come.
- M11 TERRAIN CHARTS FOR PROPAGATION PREDICTIONS, M. Connelly. This article details a method to prepare a chart of a DXers surrounding terrain which can help enhance or diminish reception.

- M12 NOISE LEVELS AND USEABLE RECEIVER SENSITIVITY, C. Hutton. Discussion, in technical terms, of the effect of noise on receiver sensitivity.
- M13 GREAT CIRCLE CALCULATIONS REVISITED, Mike Tuggle with an addition by R.N. Allen. If you like to do calculations, this is the article for you! Mike explains how to figure distance and direction of stations mathematically. Richard Allen has written a computer program for use with the new "home computers" to figure the Great Circle paths.
- M14 HOME COMPUTERS AND DX'ING, Mark Connelly. An introduction to the use of the new generation of home computers as an aid to DX record-keeping and calculations.
- M15 COMPOSITE CARIBBEAN GROUNDWAVE ANALYSIS. Edited by Mark Connelly, this is a frequency-by-frequency listing of daytime receptions from several Caribbean locations.
- M16 EAST COAST GROUNDWAVE ANALYSIS. Edited by Mark Connelly. Similar to M15, except locations in Eastern U.S. are included in this overview of daytime receptions.

PROPAGATION

- P1 MEDIUM WAVE SIGNAL PATHS, PARTS I, II, III, AND IV, G.P. Nelson. Discusses Great Circle Paths, seasonal absorption pattern, auroral effects and the mid-Winter anomaly.
- P2 SOLAR CONTROL OF DAWN E BLANKETING ON THE MW BCB, G.P. Nelson. Explains how the position of the sun controls the fadeout time of transatlantic and transpacific stations.
- P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM, G.P. Nelson. Explains how the sun controls the fade-in times for MW stations.
- P4 SUMMER RECEPTION ON THE BROADCAST BAND, G.P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible.
- P5 METEOROLOGICAL EFFECTS ON MW GROUNDWAVE RECEPTION, R.J. Edmunds. Short term variations in groundwave propagation at MW frequencies and their relationship to weather conditions is discussed.
- P6 AURORAL EFFECTS AND THE 1969 TRANSATLANTIC LISTENING TEST, G.P. Nelson. Brief simple description of how the geomagnetic and auroral phenomena control TA reception from various stations. Best general introduction to MW auroral effects.
- P7 THE AURORA OF NOVEMBER 6-9, 1970, G.P. Nelson traces a classic MW auroral attack from its origin on the sun to its effects on MW reception.
- P8 COMPARATIVE MEASUREMENTS OF GEOMAGNETIC INDICES, R.J. Edmunds. The author compares on a daily basis for three months the various A-index measurements as reported by several major observatories. He tells how the indices are related to each other.
- P9 SKYWAVE OR GROUNDWAVE RECEPTION? G.P. Nelson. How to tell whether the signal from a station you are listening to is arriving via groundwave or skywave or both.
- P10 A BEGINNER'S GUIDE TO THE IONOSPHERE, Father J. Pejza. Radio wave propagation is influenced greatly by the conditions in the ionosphere. This article explains the processes which change the ionosphere and the effects of these changes on radio waves.
- P11 THE LIMITS OF MIDDAY MW DX, G.P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours.
- P12 LIMITATION ON THE USE OF THE A-INDEX, G.P. Nelson. While the A-index is a valuable tool, it is easily misinterpreted. This article shows why.

ORDER FROM NRC PUBLICATION CENTER, P.O. BOX 164, MANNSVILLE, NY 13661.

- P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY, G.P. Nelson. Describes the author's research into the effects of the aurora on MW propagation.
- P14 SKYLINE BLOCKAGE, Fr. J. Pejza. Mathematical derivation of the formulas needed to calculate the effect which terrain has on signals.
- P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY, G.P. Nelson. Takes into account the possibility of signal propagation by some less common modes which are subject to blocking by the horizon.
- P16 HORIZON BLOCKAGE: CAN FRESNEL DIFFRACTION BE IGNORED? G.P. Nelson. No, it can't!!! This article shows how signals that should be blocked by the horizon can sometimes be heard.
- P17 TRANSPOLAR DX RECEPTION, R.J. Edmunds. Are you looking for Asian DX more exotic than Urumchi-1525? This technical article relates to the transpolar reception of central and eastern Asiatic stations at sunset in North America.
- P18 OBSERVATIONS OF TRANSATLANTIC MEDIUM WAVE RADIO SIGNALS, C.W. Bailey. The results of a lengthy survey to TA receptions made over a one year period.
- P19 PROPAGATION AT MEDIUM WAVE FREQUENCIES, P. Sullivan. Discusses some aspects of the factors which control signal reception on the MW.
- P20 FACTORS OF MEDIUM WAVE PROPAGATION, F. Dinning. Further discussion of the nature of MW propagation.
- P21 DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS, R.J. Edmunds. A brief discussion on some of the propagational factors that affect domestic reception.
- P22 REVIEW OF SOLAR ACTIVITY FOR THE MEDIUM WAVE DX'ER, R.J. Edmunds. A concise explanation of the Fredericksburg A-index as well as its use in the hobby is given in this article. Goes with P1, P6, P7, P10, P12, P13, P19 and P20.
- P23 MEDIUM WAVE IONOSPHERIC PROPAGATION PLUS THE SEQUEL TO... by R. Schatz. These articles take a different approach to propagation and presents new terms and theory. An introduction to P24.
- P24 TERMINATOR TRANSIT MECHANIX, R. Schatz. Parts I, II, III, IV and IV-A, of a series which the author states features practical techniques to hear new stations; techniques never before available.
- P25 SUNSPOTCYCLE 21-THE PEAK-HOW MUCH AND WHEN by O. Okleshen, H.R. Report, This article, through careful predictions, shows how the next peak in solar activity will be one of the most severe in recent history; includes additional comments by R.J. Edmunds.

RECEIVER REVIEWS

- RR1 RECEIVER COMPARISONS-WHAT DO THEY MEAN? R.J. Edmunds. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX.
- RR2 QUALITATIVE REVIEW OF THE YAESU FRG-7 RECEIVER, G. Hauser. A detailed non-technical review of this popular communications receiver.
- RR3 A REVIEW OF THE SONY ICF-5900W, Dan Phillips. A review and comparison with other portable receivers. Also deals with SW and FM sections of the unit.
- RR4 HEATH GR-78. R. Schatz.
- RR5 BARLOW-WADLEY XCR-30. M. Hardester.
- RR6 A REVIEW OF THE PANASONIC RF-2200, Michael Sapp. A non-technical comparison of the RF-2200 with the Sony ICF-5900 and Realistic TRF.

- RR7 A NON-TECHNICAL REVIEW OF THE WORCESTER LONG DISTANCE RECEIVER, J. Starr. A user's critical commentary of this revolutionary receiver. Built in limited quantities, this receiver is not readily available to most DXers.
- RR8 MCKAY-DYMEK DR-22, J. Clements. A detailed, non-technical pre-production review of one of the "new breed" of receivers; mentions features, performance and how it measures up to receivers now in use.
- RR9 PANASONIC RF-4800 REVIEW, G. Manning. Evaluates overall performance of this multiband receiver. Includes schematic and technical specifications furnished by the manufacturer.
- RR10 HQ-180 SERIES RECEIVERS, D. Lankford with additional comments by Bob Foxworth. Reviews technical details and includes personal comments on the popular Hammarlund HQ-180 receivers.
- RR11 SONY TR-6500 VS. THE TRF, Charles Barfield and Gerry Thomas. Thinking of buying either of these popular inexpensive receivers. This reprint compares them side-by-side and gives impressions.
- RR12 GENERAL ELECTRIC'S SUPERADIO, G. Thomas and C. Barfield. A detailed review of this new portable AM/FM receiver, compared with the Radio Shack Realistic TRF.
- RR13 RADIO SHACK DX-300, A SHORT REVIEW. W. Heinen. Very brief review, non-technical, from the MW DXer's viewpoint.
- RR14 REVIEW OF THE DRAKE R7, C. Hutton. Summary of features and in-use evaluation of this new (July, 1979) communications receiver.
- RR15 SONY ICF-D11W, Jerry Neves. A brief look at this new Sony portable, including user comments and specifications.
- RR16 NRD-515 REVIEW, Bob Foxworth. A detailed review and commentary on Japan Radio Corporation's newest receiver.

PRODUCT SUMMARY

PS1 DRAKE SSR-1 RECEIVER, Bob Foxworth.

UPDATERS TO THE NRC LOG AND PATTERN BOOK

- UDL A year's set of updaters to the NRC Domestic Log is available to members for a flat fee of \$1; to non-members for \$2.*
 - UPB A year's set of updaters to the NRC Night Pattern Book, available to members for \$1; to non-members for \$2.*
- *Inquiries as to availability are advised.

HOBBY AIDS

- SSM SUNRISE/SUNSET MAPS, a set of 12 maps (8 1/2 x 11) with instruction sheet showing the monthly average sunrise/sunset times for the United States. An invaluable aid to the sunrise or sunset DXer. \$2 to all.
- MAP Map of United States and much of Canada. These 8 1/2 x 14 maps are professionally prepared and contain state/province boundaries. Cities are not listed. Ideal for non-DX related uses also. 50¢ for 5.
- GUIDE BROADCASTERS GUIDE TO DX, A tri-folded guide for use with reception reports explaining DXing, how the NRC was formed and the importance of QSLs to DXers. \$1 for 25.
- SSGUIDE Spanish version of the above Broadcasters Guide. \$1 for 25.
- FORMS A set of 3 masters for use in photo-offset printing to permit members to prepare their own NRC stationary, report-forms--both Spanish and English. For members only. 50¢ per set.

NRC BOOKLET PUBLICATIONS

The National Radio Club is proud to announce its list of booklet publications. All of these items are available from the National Radio Club Publications Center, P.O. Box 164, Mannsville, NY 13661.

DOMESTIC LOG

This spiral-bound volume contains listings for all U.S. and Canadian A.M. stations, including locations, addresses, powers, antenna operations, networks, schedules and other useful information.

* Special Price \$4
5th Edition while supplies last
6th Edition expected mid-1981

NIGHT ANTENNA PATTERN BOOK

This spiral-bound volume features the nighttime directional antenna patterns of Canadian and U.S. stations on map pages of 8½ x 14 inches. These patterns are drawn to scale from official government sources. Commercial publications of this sort cost more than ten times as much for this most valuable DX reference. Cost to members is \$7.50 post-paid and \$8.50 to non-members.

* Temporarily out of stock; new edition availability TBA

ANTENNA REFERENCE MANUAL

This manual is a compilation of numerous articles on the subject of antennas for MW DXers which have appeared in the pages of DX News over the past several years in one handy volume. Includes data on air- and ferrite-core loops, antenna tuners for longwires, and beverage antennas, along with coupling devices. 5½ x 8½ booklet format. \$2.50 in the U.S. and Canada.

RECEIVER REFERENCE MANUAL

This manual is similar to the manual on antennas, except that the subject is DX receivers. It includes useful articles on receiver modifications and accessories, and reviews of many of the commonly used MW DX receivers currently available. A must for the serious DXer/Experimenter. 5½ x 8½ booklet format. \$2.50 in the U.S. and Canada.

GETTING STARTED IN MEDIUM WAVE DX'ING

This booklet is designed to assist the novice DXer in pursuit of the hobby. It includes introductory articles on foreign and domestic DXing as well as related topics. Included are articles on reception reports and safety and preventive maintenance of your DX gear. All members who pay the New Member Fee automatically receive a copy of this booklet. For non-members the cost is \$1.25 in the U.S. and Canada.

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Periodic updaters for the NRC Domestic Station Log and the NRC Night Antenna Pattern Book are published in the pages of DX News. Non-members may obtain reprints of these updaters in composite by ordering them through the NRC reprint service. Cost is \$1.00 for members and \$2.00 for non-members, covering all updaters from time of the most recent edition of the Log or Pattern Book to the date of the order. Inquiries as to availability are advised.

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* Night Pattern Book temporarily out of stock; new edition availability to be announced.

via Peter Clarius

CONTINUED FROM VOL. 48 #4

		710k. or 422.3 meters
CYO 100		Mexico City, Mex. - M.Y. Zetina
WOR 5000		Newark, N.J. - Bambergers Dept. Store
		720k. or 416.4 meters
WGN 25,000		Chicago, Ill. - Chicago Tribune
WLIB "		" " - Liberty Magazine
		730k. or 410.7 meters
CFCF 1650		Montreal, Que. - Canadian Marconi Co.
CHLS 50		Vancouver, B.C. - W.G. Hassell
CHYC 750		Montreal, Que. - Northern Electric Co.
CKAC 1200		" " - La Presse
CKGD 50		Vancouver, B.C. - Vancouver Daily Province
CKPC 50		" " - United Church of Canada
CKMO "		" " - Sprott-Shaw Radio Co.
CKWX 100		" " - A. Holstead & Wm. Hanlon
ENRM 1650		Montreal, Que. - Canadian National Railways
		740k. or 405.2 meters
KMMT 1000		Clay Center, Neb. - M.M. Johnson Co.
WSB 10,000		Atlanta, Ga. - Atlanta Journal
		750k. or 399.8 meters
CYJ 2000		Mexico City - R. Ascarraga
CYL 500		" " - "
WCX 5000		Detroit, Mich. - Detroit Free Press
WJR 5000		" " - WJR, Inc.
		760k. or 394.5 meters
WEW 1000		St. Louis - St. Louis University
WJZ 30,000		N.Y.C. - Radio Corp. of America
		770k. or 389.4 meters
KFAB 5000w.		Lincoln, Neb. - Nebraska Buick Automobile Co.
WBBM 25000		Chicago, Ill. - Atlas Investment Co.
		780k. or 384.4 meters
CKY 5000		Winnipeg, Man. - Manitoba Telephone System
CNRW 500		" " - Canadian National Railways
KEBW 500		Burbank, Cal. - Earl L. White
KTM 500		Santa Monica, Cal. - Pickwick Broad. Co.
WBSO 250		Wellesley Hills, Mass. - Babsons Statistical Organization
WMC 500		Memphis, Tenn. - Memphis Commercial Appeal
WPOR "		Norfolk, Va. - Reliance Electric Co.
WSEA "		Portsmouth, Va. - Virginia Beach Broad. Co.
WTAR "		Norfolk, Va. - Reliance Electric Co. (WPOR)
		790k. or 379.5 meters
KGO 7500		Oakland, Cal. - General Electric Co.
WGY 50000		Schenectady, N.Y. - "
6KW 1500		Tulnucu, Cuba - Frank H. Jones
		800k. or 374.8
CYH 100		Mexico City - C. de Tarnava
KTHS 10000		Hot Springs, Ark. - Chamber of Commerce
WBAP 50000		Fort Worth, Tex. - Carter Publications
WSAI 5000		Cincinnati, Ohio - Crosley Radio Corp.

810k. or 370.2
 WCCO 15,000 Minneapolis, Minn. - Washburn Crosby Co. (Gold Medal Flour)
 WPCB 500 Jersey City, N.J. - Concourse Radio Corp.

820k. or 365.6

WHAS 10,000 Louisville, Ky. - Courier-Journal & Times

830k. or 361.2

HHK 1000 Port au Prince, Haiti - Republic of Haiti
 KOA 12500 Denver, Col. - General Electric Co.
 WHDH 1000 Gloucester, Mass. - Matheson Radio Co.

840k. or 356.9

CFCA 500 Toronto, Ont. - Star Publishing
 CHCT 1000 Red Deer, Alt. - C.F. Tull & Arden Ltd.
 CJBC 1000 Toronto, Ont. - Jarvis Street Baptist Church
 CKLC 1000 Red Deer, Alt. - Alberta Pacific Grain Co.
 CKOW 500 Toronto, Ont. - Nestles Food Co.
 CMC 500 Havana, Cuba - Cuban Telephone Co.
 CNRT 500 Toronto, Ont. - Canadian National Railways

850k. or 352.7

KFQZ 1000 Hollywood, Cal. - Leslie E. Taft
 KWKH 20000 Shreveport, La. - W.K. Henderson
 WWL 5000 New Orleans, La. - Loyola University

860k. or 348.6

CZE 500 Mexico City - Dept. of Education
 7SR 500 Elia, Cuba - Salvador Rionda
 WABC 5000 N.Y.C. - Atlantic Broad. Co.
 WBOQ " " " " " (Queens)

870k. or 344.6

WENR 25000 Chicago, Ill. - Great Lakes Broad. Co.
 WLS 5000 " " - The Prairie Farmer

880k. or 340.7

CHCS 10w. Hamilton, Ont. - Hamilton Spectator
 CHML 50 " " - Maple Leaf Radio Co.
 CHRC 5 Quebec, Que. - E. Fontaine
 CKCI 22,500 " " - LeSoleil
 CKCV 50 " " - G.A. Vandry
 CKOC 100 Hamilton, Ont. - Wentworth Radio Supply
 CNRQ 50 Quebec, Que. - Canadian National Railways
 KFKA 500 Greeley, Col. - State Teachers College
 KLX 500 Oakland, Cal. - Tribune Publishing Co.
 KPQF 500 Denver, Col. - Pillar of Fire Church
 WCOC 500 Columbus, Miss. - Crystal Oil Co.
 WGBI 250 Scranton, Pa. - Scranton Broadcasters
 WQAN " " " Times

890k. or 336.9

CFBO 50w. St. John, N.B. - C.A. Munro Ltd.
 CYC 50 Vera Cruz, Mex. - M.A. Fernandez
 KFNF 500 Shenandoah, Iowa - May Seed Co. (Field)
 KGJF 250 Little Rock, Ark. - Church of the Nazarene
 KUSD 500 Vermillion, S.D. - University of S.D.
 WGST 250 Atlanta, Ga. - Georgia School of Technology
 WILL 250 Urbana, Ill. - University of Illinois
 WJAR 250 Providence, R.I. - Outlet Co. (Dept. Store)
 WKAQ 500 San Juan, P.R. - Radio Corp. of P.R.
 WMAZ 250 Macon, Ga. - Mercer University
 WMMN 250 Fairmont, W.Va. - Holt Rowe Novelty Co.

900k. or 333.1

KGBU 500 Ketchikan, Alaska - Alaska Radio Co.
 KHJ 1000 Los Angeles, Cal. - Don Lee Inc.
 KSEI 250 Pocatello, Idaho - KSEI Inc.

WFBL 750
 WFLA 1000
 WKY 1000
 WLBL 2000
 WMAK 750
 WSUN 1000

Syracuse, N.Y. - Onondaga Co.
 Clearwater, Fla. - Chamber of Commerce
 Oklahoma City, Okla. - Radiophone Co.
 Stevens Pt., Wis. - Wisconsin Dept. of Markets
 Buffalo, N.Y. - WMAK Inc.
 St. Augustine, Fla. - Chamber of Commerce

910k. or 329.6

CFQC 500 Saskatoon, Sask. - Electric Shop
 CJGC 500 London, Ont. - Free Press
 CJHS 250 Saskatoon, Sask. - Radio Service Ltd.
 CNRS 500 " " - Canadian National Railways

920k. or 325.9

CYX 500 Mexico City - El Excelsior
 KOMO 1000 Seattle, Wash. - Fishers Blend Sta.
 KPRC 1000 Houston, Tex. - Houston Printing Co.
 WAAF 500 Chicago, Ill. - Drivers Journal
 WWJ 1000 Detroit, Mich. - Detroit News

930k. or 322.4

CHNS 500 Halifax, N.S. - Halifax Herald
 CYQ 100 Tampico, Mex. - Cipriano Sagaon
 KFPI 500 San Francisco, Cal. - Radio Entertainment Inc.
 KFWM 500 Oakland, Cal. - Oakland Educational Society
 KGBZ 500 York, Neb. - George R. Miller
 KMA 500 Shenandoah, Iowa - May Seed Co.
 WBER 500 Birmingham, Ala. - Birmingham Broad. Co.
 WDBJ 250 Roanoke, Va. - Wayland Electric Co.
 WIBG 50 Elkins Park, Pa. - St. Pauls P.E. Church

940k. or 319.0

KFEL 250 Denver, Col. - O'Fallon Inc.
 KFXX " " - Pikes Peak Broad.
 KGU 500 Honolulu, Haw. - Marion A. Mulrony
 KOIN 1000 Portland, Ore. - KOIN Inc.
 WGSB 500 Portland, Maine - Congress Sq. Hotel
 WFIW 1000 Hopkinsville, Ky. - Acme Mills Inc.

950k. or 315.6

KFWB 1000 Los Angeles, Cal. - Warner Bros.
 KGHL 500 Billings, Mont. - Northwestern Auto Supply
 KLDL 1000 Independence, Mo. - Church of Latter Day Saints (Mormon)
 KMBC " " - Midland Broad. Co.
 KPSN 1000 Pasadena, Cal. - Pasadena Star-News
 WEB 500 Kansas City, Mo. - Sweeney Automobile School
 WRC 500 Wash., D.C. - Radio Corp. of America
 2RK 20 Havana, Cuba - Raoul Karman

960k. or 312.3

CFCY 100 Charlottetown, P.E.I. - Island Radio Co.
 CFRB 1000 Township of Kingston, Ont. - Standard Radio Corp.
 CHCK 30 Charlottetown, P.E.I. - W.E. Burke
 CHWC 500 Regina, Sask. - R.H. Williams & Sons
 CJBC 5000 Toronto, Ont. - Jarvis St. Baptist Church
 CJBR 500 Regina, Sask. - Cooperative Wheat Producers
 CKCK " " - Leader Publishing Co.
 CKGW 5000 Bowmanville, Ont. - Gooderham & Worts
 CNRR 500 Regina, Sask. - Canadian National Railways
 CYU 100 Puebla, Mex. - A. del P. Zaon

970k. or 309.1

CZF 250 Chihuahua, Mex. - State of Chihuahua
 KJR 5000 Seattle, Wash. - Northwest Radio Service
 WCFL 50000 Chicago, Ill. - Chicago Federation of Labor

980k. or 305.9

KDKA 50,000 Pittsburgh, Pa. - Westinghouse Electric

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

KON'S WORKING ON HIS RADIO HISTORY

KONSTANTINE RYCHALSKY - Box 87 - Beacon Falls, CT - 06403

V. An update on the AM History Book is; I'm now up to 1170 kHz & have to date logged 29 luncheon hours over a period of three months. The notebook is now five inches thick and recently acquired a 6' length threaded rod to bind this massive monster. The worst however is to come...I'm nearing the graveyard frequencies. I must comment on MOTHBALL Memories - they're excellent. To date only one station replied with a brief history - WCAO-600 MD; TSU says they first went on the air 4 or 5/22 with same call letters. They also mentioned they were the first station in their area. The tips in "AM Switch" are also helpful. Once I've completed the basic pages per station I will only then begin adding the info tips I've received in letters & picked up in DX NEWS. I urge everyone to include these tid-bits always for I read DX NEWS with a fine tooth comb. (Is that better than glasses?? HI -ERC) Can anyone tell me how I may obtain a copy of the Old-Timer Musing issue. During my move I lost all DX NEWS issues from Vol. 48 No. 25 backwards. I did however complete another graph on "DX NEWS (Vol. 47) Musings Participation" - HQ should have it. Thanks to RON MUSCO for his card on NBY-990 & verie in 10/62. Does anyone have an earlier or later verie? Does anyone know when they went off the air? As Ron mentioned - it must have been prior to WNTY-990's going on the air. Anyone on this one? More next time.

HANK HANKERS FOR VERIES

HANK WILKINSON - 5028 Maiden Lane - Santa Rosa, CA - 95405

11/1/80

Verie received since last report are: "R. Fiji"-927, China-756, 4AT, China-846 & 4TC. New reports out are: China-855, JOHG and "tentatives" to LZC & 1YW. I didn't like hearing the news that many New Zealand stations would be going 24 hours as of November 1. This will certainly cut down the chances of hearing the Aussie stations on those particular frequencies. I have noted an increase in Musings from West Coast area DXers in the past six to eight weeks. China has been quite prompt in replying to reception reports in the past year and they include more station data on their verie cards than they used to. South Korea - especially the K.B.S. Network stations - has turned from a "good verifier" to a poor one. New Zealand, Australian and Japanese radio stations (especially the N.H.K. stations) are very prompt and courteous. Malaysian stations verify but really take their time. Indonesian stations are notorious for not replying. Same for North Korea. I still like the "challenge" of trying to receive a card or letter of confirmation from a distant foreign station on a reception report. In fact, that is the other half of the hobby of DXing. My many many albums of verie cards and letters are much more attractive and meaningful than a group of colorless plastic tapes. Just my opinion on a recent subject in DX NEWS. (I'm with YOU, Hank! -ERC)

WOULD LIKE TO SEE NIGHT POWER INCREASES

NORM MEINHOLZ - 632 Howard Place #25 - Madison, WI - 53703

11/2/80

I just thought I'd inform you on the "goings-on" here at this dusty shack! I spent eight weeks of the Summer on an archaeological "dig" on a Mississippi River island near Prairie du Chien, WI. The weather was hot & dry, the site covered by poison ivy, & the mayflies a-swarming! But it was a real memorable Summer in more ways than one. The site, by the way, was a 2,000-year-old Indian clam-extracting site. I brought an HF-2200 along & got acquainted with many new Iowa & Minn. stations. DXing from here in Madison has been rare lately with my last semester of school keeping me quite busy. But I found time enough to hear the Oct. 13th CPC TEST from WGTQ Cypress Gardens, FL. A big thanks to MIKE HARDESTER for arranging it as well as the whole CPC crew. That was my first Florida station & a QSL arrived two days later. Their signal was quite good after CBE s/off. Wouldn't it be interesting if WGTQ and others increased power at night regularly when others sign off? Other recent catches include: La Vos de Nicaragua-620, KDAL-610, WMLX-940, WMPF-680, KFQC-680, & KWCO-1560. Totals now stand at 419 heard, 37 veries & 36 states, 23 verified. On Fri. Oct. 31 between 12 and 12:30 EST I noticed WFAW-940 testing with old song cuts & tones. And finally, I was greatly impressed by KONSTANTINE RYCHALSKY's QSL Encyclopedia idea in Vol. 48 #2 DX NEWS. What do others think of it? 73 and death to statiol

950 IS A PHIZZ IN BEERTOWN

BOB MIELCAREK - 2317 East Ohio - Milwaukee, WI - 53207

CX are still fantastic in Milwaukee, 27 new stations since my last Muse, bringing my total to 57 since 9/14. Most of these are listed in DX Digest. I'd like to thank BOB KRAMER and the other Illinois DXers for their reports in DX Digest; they've helped me log a few goodies. Best of the new batch have been KZIA Albuquerque, KMI Phoenix, WITS Boston & a tentative on WPGC Morningside, MD. Veries are in from WEXY WGTQ KUXL KRMG & KGH, with 25 reports still out. KGH has changed to c/w as of 10/24. No luck pulling in the WAPL & KPTL TESTS. I need both states, so total still stands at 40. It looks like WPC-950 Chicago has gone to AN status. Between them & WJW Detroit, 950 is looking grim around here. I'll be ordering an SM-2 antenna next week. This, along with the recently arrived SRS-SSS maps, should help improve an already good season. I urge other WI NRC members to start sending in their catches. These help everyone in your area. If you get something good, don't keep it a secret.

KFQD-750 IS THE LOWER 48'S BEST BET
 BRIAN VERNON - General Delivery - Eisa, Yukon Territory -

10/24/80

About that CKTB call sign ERNIE COOPER & J. W. BRAUNER, got it out of Broadcasting magazine (4/80) - it's more of a legend, I guess. The station is supposed to have had some hand in guiding bootleggers across the lake, and adopted the call letters compressed from the coded slogan Canadians Know Their Beer. That's about all I know, guys. I have been listening to some of those Hawaiians, and they hardly ever seem to use their full call letters. Noted were K-59, K-65, K-76, K-900, L-Poy-1000 (KPOI-1040), AM-150 (KUMU). Most rockers are using full calls, KIKI-830, EKUA-93-Q-PM, KIPA (690, 620 resp otuvaly). K-94 also IDs as Kay-dee-oh radio 94 (KDEO-940) so if you caught one of those K's maybe it was a Hawaiian! I have read a few comments about what Alaskan station is most likely to reach the Lower 48. KFQD-750 and KPAR-660 are I guess the popular choices. The easiest one to pick up here is without doubt, KFQD; its 50kw is heard during the daytime, and the nighttime 10kws are about the strongest Alaskan signal here. By contrast the Fairbanks stations don't come in as well as their Anchorage sisters. KJNP-1170, KPAR-660 & KFBR-900 are heard OK I guess, the best being KIAK-970, from there, so if you're shooting for Alaska, by far the best bet in the Lower 48 is KFQD-750, if this location is anything to go by. I have also been reading about the clear channel frequencies in the trade magazines, the Canadian Association of Broadcasters wants the CRTC to license more private stations on Canada's clear channels now, before U.S. daylighters get the nod to go fulltime on these frequencies after Dec. 31st 1982. It certainly will be sad to see these clear channels relegated to mere near regional channel status. I am also saddened though by the increasing number of clear channel stations in the U.S. carrying Larry King during the nighttime. Heard here quite well are KEX-1190, KIRO-710 and now KOA-850. They can't be doing their cause for not duplicating their channels much good by not producing their own programmes, even though the King Thing may be popular. Well, that about wraps it up from here. Adios. 73's.

ON HAMFESTS

MIKE CSOREAY - R.R. #1 - Canfield, OH - NOA 100

Hello, all you DX nuts, and all the ships at sea...I'd like to talk about something that is very interesting to me, and should be to most radio fanatics, and that topic is Hamfests. For the unknowing, a hamfest is a get-together for amateur radio operators for a chance to swap lies, review receivers, make trades of old equipment, & have a lot of fun at, something like the NRC & IRCA Conventions. And these hamfests are not only limited to "hams" but to anyone who shows up, and a lot of people show up! There are always flea markets, where you can make unbelievable deals on new and used equipment, accessories, old books, etc. (e.g. tape recorders, working condition, \$5! There are also stands set up by some of the leading names in the radio business, e.g. Kenwood, Yaesu, etc. You can have a peek at and fool around with that receiver you always wanted, and if the price is too much, at least you got to touch it! It seems the most favourite old receivers that are sold in the flea markets are Hallicrafters. There are even vintage AM BCB radios sold at some of them, radios dug right out of the attic or barn, cobwebs free of charge, and most needing only minor adjustments. But the BCB DXer or SWL's money is just as good as the amateur's, & you may make a deal on a real oldie-but-goodie DX machine. There are also door prizes drawn from admission tickets, and even free draws from some of the larger radio outfits, and at the better organized, there is usually a show or shows for the ladies, as well as shows for the kiddies. It is sort of a "radio circus" that you have to see to believe. Not all hamfests are created equal, however, so if you turn up at one that is a bomb, give another a try. I've been to about half a dozen this year since my father, VE3JWM, became a ham, and have thoroughly enjoyed myself at all but one. Well, back to the real world, I hope to have DX to report next issue. Give it a try guys! 73s, support NRC!!

JERRY HAS NORM MAGUIRE'S VERIES

JERRY STARR - WSRD Radio - Youngstown, OH - 44505

Getting ready for another season, aligning the receivers, updating the logbook and sending in a long-overdue Musing. Sound familiar? I have had the RX fired up a few times in the past several weeks and discovered the same thing as always, the cold weather does not bring an immediate reduction in noise. The 10/13 WGTQ TEST was heard thru terrible static. 10/27 brought no sign of KPTL (no surprise) WAPL or WJDM although the latter two were heard well on previous ETs. UNID FF was noted atop 1380 @ 1:18, no ID. WBSO-1450 atop 2:30 w/ID & announcing 24 hours, log change. Loud TT on 1300 o/WERE 4:38-4:40, off without ID. Backtracking a day, local WPMJ-1390 was off 10-11:21am, nothing here but un WEM & Cheo. That AM WQXR-1560 was noted ANING with "N.Y. After Dark" - I hope this isn't permanent. Several stations confused by the change to EST on the afternoon of 10/26, a day that usually yields several surprises. This year it was un WABN-1580 off @ 6:45 & WJDM-1510 off @ 7, both one hour later than legal. WJDM (ex-WJCO) needed for call change. Some stations forget that s/off goes by sun time, not clock time. WJDM's s/off for Oct. is 7:00 daylight time but should go off @ 6 Standard time, thus the extra illegal hour. All DXers should be at the RX around sunset this day, somebody always screws it up. Some will even verify for these receptions. The major news here is that arrangements have been made with NORM MAGUIRE's son to have me act as custodian of Norm's excellent verie collection. Over the Winter Bonnie & I will be sorting & arranging Norm's thousands of veries & they will be available for members viewing at the North Jersey Convention. Norm's legacy to the hobby is filled with hundreds of irreplaceable & historic items. It is unfortunate that the collections of other members who have gone to their reward were not preserved. Hopefully in the future members will be able to obtain past member's veries for the education & enjoyment of other DXers. To find out the fruits of the labors of thousands of hours have been lost or destroyed, as has happened before, is sad. Those who will have a chance to view Norm's fantastic collection owe a sincere debt of gratitude to Norm's son Dick for his generous offer. (And to JERRY STARR-ERC)

THE EARLY BIRD CATCHES THE WORM - AND THE DX!

JOHN D. BUEHLER - 1716 Heatherdowns Blvd. - Toledo, OH - 43614 419-382-0883 11/3/80
 ----- Generally clear WX has produced very little natural noise. I have had an intermittent problem with manmade noise. On 707 kHz approximately a drifting carrier was stepping on a portion of the BCB. A phone call to FRANK MERRILL showed it to be a local problem, but who knows what it was caused by. Some intermittent bursts of static have been noticed, especially troublesome at the low end of the band. In between all of this noise, some good DX has been rolling in this past week. 10/28- 5:30pm WCBG-1270 in with nice ID & ad for a bank & spot for Holiday Inn - Cumberland. 5:42pm on 1360, nice WNBZ ID caught while working the mull of WSPD-1370. 10/30- 5:18am. Up early this AM & heard CJRS-1510, Sherbrooke, PQ w/ FF. 5:41, CJMR-730 IAC w/CJMR ID. 5:52am, WWTG-1280, Minneapolis w/spots for oldies program @ 7:30pm and announcement of remote broadcast on Halloween night. 5:58, SSB solo by s/on of WFCY-1280, Alma, MI, mixing w/WPKH. 6am, WJAY-1280 Millins, SC s/on w/WX the first order of the day. 6:13am a strong WGBS-710 was announcing school memo. 10/30 SSS- 5:44pm WPIT-730 s/off fair u/local WJYM. 5:55, WBAW-740 Barnwell, SC w/nice ID & WC. (?? -ERC) 5:59pm, KRMG-740 in early. 6:04pm, SRS, Paramaribo, Surinam, strong on this Auroral evening w/IA mx, EE ads & M announcer in UNID foreign language. 6:16pm, on 730, three stations noted in Leamington's null- CKAC Montreal, KWQA Worthington, MN w/TC, ID, & o'w hit, & KWRE, Warrenton, MO s/off good @ 6:30, owned by Castor Broadcasting Co. of Missouri. 10/31- 4:47am 3WE-1100 splattering 1093-1107 kHz. 5:34am, R. Relej-760 time pips heard w/WJR. 5:40, on 620, foreign language, Mexican mx, partial ID, "R. Revolutionary" - who's this? (Nicaragua sounds likely -ERC) 5:55am on 600, "The Voice of Cuba signing off" by M announcer in EE. Of course, they really didn't s/off. 6:30, WIBC-860, Laurens, SC, w/s/on. This one noted the past few days. 7:29pm, WCLS-1580 GA noted w/new format, non-ID of "The Powerful Voice of Gospel." 11/1- 5:30am unID TTR on 1590 u/WAER. 5:45, KMIS-1050 w/their r/o-TT & VID. 6am, WQAY-860 w/their usual s/on - alarm, yawn & M announcer. Log now stands at 769 heard, 571 taped IDs. Anyone wishing to swap taped ID's can send me a blank cassette. I'll be happy to dub a copy of my three 60 minute masters. Until next time, best of DX to all.

MAKES HAY WHILE THE SUN SETS

BRAD LOVETT - 421 East College Street - Coldwater, OH - 45828
 ----- DXing has been limited lately, the last I really did was 10/4, but the sunset CX really made it worthwhile on this date, so here's a rundown. 6:50pm, WTHI-1480, Terre Haute, IN, CWM "Country Fresh", good. 6:56pm, WIMS-1420, Michigan City, IN, Public Affairs program & PSA for La Porte County Heat Ass'n. 7:10, WILY-1210 Centralia, IL, logo as "Six County Information Station". I don't know where WCAU was; no sign. 7:12, WMLX-940, Mt. Vernon, IL w/DJ calling himself "The Phoenix". 7:12pm, WGRA-1090, Effingham, IL s/off & mention of FM "for more information from Effingham, Illinois". 7:30, WFIR-960, Roanoke, VA w/American T-40. 7:35pm, WMMN-920 "M-92", Fairmont, WV, T-40, CBS "Wonderful World of Baseball". Finally, 7:47pm one or two stations u/WIBC on 1070, one I'm fairly sure was WFLI, Lookout Mountain, TN, due to mention of Chattanooga, but then heard mostly CWM, but a Tony Orlando & Dawn number thrown in. Has WFLI changed format since the last part of March, when I was through the area on the way back from Florida? They were T-40, simulcast with FM. I have some format change info: WTOO-1590, Bellefontaine, OH to CWM, has applied for WTCY. WING-1410, Dayton, OH now POLP, using Ai net. WLYV-1450, Ft. Wayne, to ROL, & WHUT-1470, Anderson, IN to CWMp. Someone was talking about consultants recently; WING lost their general manager, he resigned because he refused to let people go that the consultants commended that he fire. WONE-980 there has undergone what I think is the third shakeup this year, and WDJX, Xenia (Dayton's T-40 station) canned their PD recently. Dayton is definitely revolving door radio. I'm taking a vacation to Grand Forks, ND Nov. 13-17 to see an old buddy who now works at KRXL-1440 there. I won't have much bandscan time but will try to verify formats in the area. Yes, WCSM ran the famous Barry Commoner "Bull-----" ads, but when they ran on ABC they had already been very well publicized so we didn't get any backlash, surprisingly, since one time it ran before the housewives talk show widely listened to by senior citizens who call in and tell old wives' tales with the conviction of the Gospel. Well, that's it for now, 73, 88.5, 96.7, & 11 through 13. (How 'BOUT A WCSM TEST! -ERC)

TRIPPING, GAMBLING, and DX-ING

WALT BREVILLE - 9127 Coral Drive - St. Louis, MO - 63123
 ----- In August I added a new radio to my collection, a GE Superadio. I took it along with me to the L.A. Convention, on the way I visited Las Vegas for two days, had a lot of fun bumming around with STEPHEN McINTIRE who was also on his way to the NRC confab. Vegas is not only great in entertainment, but a finatown to DX in, with only six or seven locals, all of them far enough away from the Strip so that there's no overloading of the RX's front end. As on previous visits, I marvelled at the fine DX CX with much more than usual 1000-1500 mile domestic range catches, & very few SStations clogging the band considering the southerly location of Vegas. The Superadio I believe is the #1 BEST BUY today for AM band DXers. My new one not only has ten times better audio quality compared to my four year old TRF portable, but it definitely is better than the TRF both in sensitivity & selectivity. At home, I like it so much I've been using it instead of the HQ-180 most of the time. Here's some recent DX heard on it: 10/19- KBUG-1060 Springfield, MO 7:45pm s/off, KBUP-1050 Garden City, KS 8pm s/off w/a cowboy song about sunset. KZIA-1580 Albuquerque, 8:29 s/off. 10/21- KTER-1570 Terrell, TX 8pm s/off, a 250 watter. 10/31- WGBS-1570 New Albany, IN "serving Metropolitain Louisville" 6:30am. 11/1- WMTS-810 Murphresboro, TN 7:35am. MM 11/3- WFIR-960 Roanoke VA atop its channel 4:40, KNIX-1580 Tempe (Phoenix) 4:53, must have been an ET for this daytimer. WIS-560 Columbia, SC 5:57am. If you ever go to Las Vegas to DX, the Landmark has a huge empty parking lot for noise-free portable radio DXing. It was a high experience DXing & playing the slots, which are like each other...the dials spin where they stop you hope for results! 73, all.

PAT'S BEEN LOGGING SOME GOODIES

PAT MASON - 64 Spring Lake - N. H. 5 - MAHOMET, IL - 61855 11/2/80
 ----- It is indeed time for me to hase, as I haven't had the notion to exercise my hand as of late. School is another factor for my absence. DX as of late has been terrific, with many new catches. Here is what the TRF is pulling in: KRGO-1550 Granger, UT (Utah #2), KUAT-1550 Tucson, AZ (Aris. #3), KQXI-1550, WENR-1550, WETB-790, KLMD-1060, KCHA-1580, WEYI-1580, KIBL-1500. The WTOO TEST was strong here, CSL already back from them. WAPL TEST was not heard here. KELI-1430, KLOV-1570 & XEJ-970 are also new to my log. On 10/29, I was trying some SSS on 1510, when a voice popped in at 7:33pm IAC "KGA News Time, 4:33" for WA #2, a big surprise. I wanted to try for more NW DX, but I had wrestling practice. Totals up to today 11/2 are AM-664, FM-372 & EV-199 for a grand total of 1,235. States heard stands at 41, w/OR & ID being elusive in the Continental West; VT, NH, DE, RI & NJ unheard in the East, and of course, AK & HI. KEX-1190 remains my #1 most wanted station, KBOI-670 remains #2 (thanks to good ol' WMAQ). Can someone offer some help in receiving OR & ID, for I would appreciate it. I completed all of the NRC member densities for the 50 states in members-per-square-mile (in their respective state) and the top five are as follows: #1, NJ w/one NRCer for every 192.8 miles; #2 R.I., 1/209.8; CT 1/231.5; #4 MA, 1/352.2, and #5 DE w/one, 495.5 sq miles. OR was the densest Midwestern state w/1/931.3, IL w/1/1,429.4sq. mi. was close. On the other side of the spectrum, WY was last w/no members, AK was 49th w/1/283,216 sq mi. MT had 1/145,587, & ID was 47th with one member per every 82,677 square miles. So much for that. I thought you might be interested. ERIC LOY pulled in CKWX-1130 last week for BC#1, I still need BC, while Eric needs AB. I now have a couple of WCCR window stickers, and WDWS stickers will be added to my collection next week. My birthday is next week; two of my presents are a renewal to NRC, and a membership to WTPDA. Also a driver's license is in the back of my mind as I will take the test next week. That should do it for now. This DX season looks like a promising one. 73's, 55.7's and "Basta Luego" from the DX capital of Mahomet, IL.

WIAQ-1510 IS ALL-TALK NOW

SIDNEY E. MARSHALL - 7221 Pam Drive - Millington, TN - 38053 11/2/80
 ----- My recent out-of-town trip was a complete flop as far as DXing was concerned. Never before have I stayed at a hotel where the conditions were so poor! I arrived back home on the afternoon of 10/31 and after unpacking and hooking the ol' RF-2200 up I pulled in a new one for GYer #65, i.e. WAJF-1490 Ala. was in strong from 7:44 to 8:03pm, w/WX, mx, clothing store spot, station promo, mx, top of hour ID, and into MX before dropping out. Then on the morning of 11/1 at SRS I logged three new ones as follows: At 7:04am WCRJ-1530 FL was in for a couple of minutes with end of MX, WX, & temperature, and ID "This is Radio Jacksonvill, WCRJ." Then at 7:15am KWOK-1530, OK, came in, u/WCKY, with full s/on announcement heard. A bit later WSMI-1540 IL was in very strong at 7:46am for several minutes, with local MX of Litchfield and Montgomery County, ID, spot for lumber company on Route 127, and more MX. I noted last night, 11/1, that WIAQ-1510 has changed ownership and has gone to all MX and talk show format. That's it for now, so till next time good DXing to all!

KPRO-1370 WAS OFF FREQUENCY

CHARLES GEORGE - 6407 Howard - Dallas, TX - 75227
 ----- I went and bought a new log since my old logbook had gotten filled. The new logbook cost twice as much and had 1/2 the number of pages, gee whis. I received a v/l from WMAQ in six days. This makes my 28th state to be verified. I received a nice v/o in 11 days from WTOO; my third station verified from Florida, the others being WPCF & WXXI. On Oct. 17 at 9pm ELT I heard KPRO on 1384 kHz - the nominal frequency is 1370. After finding out who it was I gave the station a call. I received a letter four days later stating that a crystal in the XR had gone bad, and been shipped back to RCA. The letter did not mention them off frequency; however, that is a good enough verie for me. I will prise the catch. Oct. 20 I managed to receive Caribbean Radio Lighthouse on 1265 kHz, at 0145 GMT, a new country for my log. On the same night at 0215 GMT I heard XEUP, I think that is the call I heard, on 1520 Villa Coahuila, Mexico. They were u/ROMA but at times drowned out ROMA. On Oct. 21 I noticed Cubans on 1160 & 840. Oct. 31 I heard a new station from Texas for my logs, 7pm ELT, KIXZ-940, w/o/w. Nov. 3, at 0630 GMT, I received a nice catch for my logs, Radio Nacional de Panama, 840 kHz. They had organ mx, salsa mx, campesinos, many mentions of station by a male & a soft-spoken female announcer. The station came in over the Cuban and a station with pop music, probably WHAS. Now I have a question. I have been hearing a station u/KIEL & KIAA w/SX, MX, & talk shows. I have not been able to get an ID but I keep hearing talk about the Eastern states, any ideas who it could be? The station seems to come in around 10pm ELT. 73's.

ED HAS A NEW GADGET

ED MITKUS - 8001 Landmark Circle - Tampa, FL - 33615
 ----- Time for an update from the hotbed of Florida DX, Tampa Bay! In order that I may tape DX, and have a timer exact, to the minute, I had a digital controller built for me. The tape deck and the Sony are plugged into the controller, with the digital alarm clock's alarm wired into the system. The system can be used as a manual operation, or on an automatic system. The box that houses the controller is only 8" x 4" x 3". It works! First time with it in line, I logged WTLK-1570 Taylorville, NC, at 271 watts power! Anyone wishing info on this, please drop me a line! It took four IC chips, and parts obtained from Radio Shack, and built it in one day! And in order to keep up on the weather, I bought a weather radio. Seems the weather really affects conditions here. Well, that's about it. Good DX to all.

Since a new format of oldies called "The Music of Your Life" seems to be gaining popularity, it seems propitious at this time to introduce a new NRC abbreviation "MYL" "Mx of Your Life".

THE TRF vs. THE ICF-2001

ROBERT E. FISCHER - Box 80801 - Fairbanks, AK - 99708
I was able to borrow a Sony ICF2001 from a dealer for a day or two. While this is not intended to be a detailed review I thought I would make a few broad comparisons with the Radio Shack model 12-656 long range TRF portable. The ICF2001 has very poor nulling ability...in a noisy listening site...e.g. fluorescents, etc...The TRF was able to null down the buzz enough to bring in a weak but audible signal from AFRS-1490; Eielson AFB, 50 watts...distance 20 miles. The ICF 2001 was unable to null out the buzz enough to get a readable signal. From an outdoor location...orientation of the 2001 had little effect on signal strength from AFRS-1490 and it could not be nulled down even at a distance of 25 miles. The ICF2001 also suffered from spillover of KFRE-900...10,000w...distance 1.5 miles. Spillover occurred from 500 to 599 kHz with the whip antenna extended...the RF gain in the DX position...and the antenna adjustment not tuned perfectly. Proper tuning of the antenna adjustment...contraction of the whip antenna...and decreasing the RF gain...mitigates the spillover. At a distance of ten miles from the KFRE XR the spillover was still observable with little diminution. In short...while the ICF2001 has some interesting features I have reservations about its usefulness as an MW DX portable due to spillover and poor nulling. Sharper selectivity would be desirable also.

NEWS FROM THE CANADIAN FIELD - FROM OLDFIELD

JOHN OLDFIELD - 7135 - 129A Street - Surrey, BC - V3W 6T4
Don't blame the IPC for my sloppy typing of my twin update (pages 15 & 16 of #31). You can add the CKDR-900 Dryden twin LPRTs: CKER/CKEK/CKSI Bar Falls/Hudson/Sioux Look-out, ON. Also add 1340 Ashcroft/Cache Creek, BC to the EL Kamloops list. CFPA-1230 has apparently changed calls despite CJSD-FM complaints. The PA stood for the old city of Port Arthur. The CRT said they don't care to get involved in similar call fights. The new call is C (fill in the blanks, hi). Edmonton's Allaroc (CITV) bought CKO-1470 & network. No changes from news planned. CHUM bought the CJDV group. I'd watch CJDV turn to rock as they put a great signal into Calgary. CHUM was turned down for AM FM Edmonton last year. CKER-1480 got the CP for NSP multilingual. CKER is currently testing & heard here. Hey! That means I actually DXed! One of the five for 1260/1350 Nanaimo got the OK. I've read an OK for each frequency, hi. CJAT/CKEK/CFEK new owners may twin on the AN show. I think many twins shouldn't be allowed to twin in bigger population centers where only one local exists like; CFWB, CETA, & CJSL. If CKDR-900 can survive without twinning its owner, CJRL, then I wonder what excuse the others have. My "award" for a total waste of a frequency goes to CHPQ-1370, CJMH-1460, CHSM-1250, & CHPG-1490 (still on r-CHU). CBU will switch three more LPRTs in BC to FM. One of some DX importance, CBUS-990 100 Mile House has been heard in a few states/provinces. This season may be the last chance for those in the PNW area to grab it. In Newfield delete CBNI-600, CBND-1450, CBNL-1400 LPRTs. Watch for the two newie-Newfies on 970 & 850. In Quebec CEBB-790 Baie-Comeau is on. Also CFVM-1220 Amqui (twins CFIP-1000). CKPB-1470 is now Ville-de-la-Baie (Bagotville's new name). All CBGA LPRTs now have CBGA-8 type calls, while other LPRTs now relay CBSI-FM Sept-Isles (ex relaying CBGA) & have CBSI-6 style calls. Do you three in NB know what frequency the new Moncton CP will be? The CRT said they not to use 1380. Other than my renewal the only other great thing (hi) is the CRT is asking for applications for all the EX-reserved clears; 510/690/860/990/1010/1580. If you can believe it, the CBC says it no longer needs these frequencies.

CALLING EUROPEAN MEMBERS!

GENE MARTIN - 3303 East Evans Avenue - Denver, CO - 80210 11/5/80
It would be greatly appreciated here in Denver, Colorado, 1,800 miles West of New York City, if some European DXer would consider the information presented in my IDXD 657 kHz report in DX NEWS Nov. 3, and let me know what I was hearing. I don't believe there can be more than one station which fits my program notes -- five or six pipes on the hour with the final pip prolonged in the style of the BBC. And this station is an Arab or Middle Eastern affair judging by its mx. It might be Saudi Arabia or Israel or Turkey if there is a Turkish station on 657. Whatever it was, my reception is most likely the farthest West for that station, so naturally I have a keen interest in knowing what it was. Another clue to its identity is that the sunrise of Sept. 28 and 29 apparently took it away from me before 0330 or in that vicinity. This was reminiscent of the Istanbul fade-out for me when it was on 1016 on a date in late September a few years back. Perhaps I am still the farthest West for Istanbul or maybe I should put that the farthest West in the 48 mainland states. Every DXer, I am sure, has a list of stations which he is positive he has heard but does not claim for one reason or another. I don't claim a station until I have something on tape good enough to persuade some other DXer as to the validity of the claim. My list of that sort includes Muransk on 656, Bulgaria-747, Thailand-1575, Fiji-891, the Solomons-1026, Marshall Islands-1098 and a few other small things out in the Pacific. And I don't seek new stations so much as I seek new countries. My country list is up to 72 heard from Denver, or 74 if Scotland and Wales are considered separate countries which I feel is a rather dubious proposition.

CLAY'S HEARING LOTS OF GOODIES

CLAY ADAMSON - 35 Liberty Street - East Greenwich, RI - 02818
Fri. 10/31. WCCB-1240 MA @ 4pm; WWOV-1240 RI @ 4pm; WSKI-1240 VT @ 5:14pm; WHCO-1240 CT @ 6:09pm; WCOU-1240 ME @ 6:11. Sat. 11/1. WGBB-1240 NY @ 2:08am; WARE-1250 MA @ 4pm; WBER-1250 NH @ 6:30pm; WATR-1250 NJ @ 6:45pm s/off w/hyhm; WTAE-1250 PA @ 10pm; CMKC-1200 Cuba w/R. Revolution ID. Sun. 11/2. WDAV-1250 VA @ 12:30am; WCCC-1290 CT 6am s/on (new log & the only reason I'm up); WEZE-1260 MA @ 2pm; WPHB-1260 PA @ 5pm s/off (new); WKXN-1260 NJ @ 5pm for call change. Mon. 11/3. WEZE-1260 MA 12:01 s/off (Log addition); WNDL-1260 IN @ 2am; WNDL-1260 @ 2:53am; WSPR-1270 MA @ 4pm; WDLA-1270 NY @ 4:45pm s/off; WTSN-1270 NH @ 6:15pm. Tues.

(Adamson, ocn'd). 11/4. WXYZ-1270 MI @ 12:15am; R. Reloj-1270 Cuba @ 12:30; WADE-1540 RI ET/ w/ID @ 12:36am (on at least from 12:28 to 1:37am); WKBO-1230 PA @ 1:57am; CJCB-1270 NS @ 2:06 am. WEIL-1280 MA @ noon; CJMS-1280 PQ @ 4:32pm; WPXN-1280 NY @ 4:42pm (new); WADO-1280 NY @ 6pm. Wed. 11/5. WBSC-1550 SC @ 12:30am w/election results from Marlboro Co. (country, not country!) Thu. 11/6. WICE-1290 RI @ 12:59am s/off after an ethnic program; has been signing off @ 12:07; Tone-1280 1:00-1:07am, I presume WCPM KY r/o but no ID heard; WJDA-1300 MA @ 4:14 s/off w/America; WAVZ-1300 CT @ 5pm with Music of Your Life (MYL); WFER-1300 MD @ 5:03pm; WLKW-990 RI now also with MYL. 11/7. WSSJ-1310 3:43am, call change.

LET'S WELCOME A NEW MEMBER FROM 'THE LAND O' LINCOLN'

EARL HIGGINS - 286 Lawton Road - Miverside, IL - 60546 11/6/80 312-447-6339
Most embarrassing, this is my first Muse ever; and it certainly is about time, being a member for over a year and a half. MW DX has always been my favorite, although SW is interesting and FM too when in season (which, most conveniently, coincides w/MW's off season). I belong to MASWA/AIDX/NRC/ANDEX, and, as I am physically handicapped, HAF, which is a most worthy organization indeed. DX friends include members MIKE JEZIORSKI, RICH PISTEK, MARK STRICKERT, & ROB KRAMER, as well as non-members Adam Bernstein and Rex Whetzel. They sure do make the hobby even more of a challenge, and of course more fun. I'm 17 years old & a High School Senior, & hope to keep up with DX as much as possible during college. I currently am editor of AIDX's Mediumwave DX column, MWCBits. AIDX is a great club and we hope to continue doing the excellent job JEFF WHITE has been doing after he leaves in December. Good luck Jeff wherever you may go. Also, some of you may have heard me on the HCJB program "DX Party Line", as I prepare a tape every month on MW DX, largely for beginners, although I sure try to include stuff relevant for all levels. Please do tune in; To my knowledge it is the only DX Show segment dealing exclusively with MWDX. It is on the third Monday evening (Tuesday morn GMT) at 0230 GMT, for about five minutes' length. Any suggestions on the show, or your latest tips and comments, would be most appreciated. Here are my current totals; 694 MW heard (including call changes), 42 states, 18 countries (YSS-655 being the newest) and some odd 55 veries, mostly for ETs and DX TESTs. Best catches include WRDI-1580 KMYL-950 WDR-1593 KRRC-1230 WDOV-1410 WJWL-900 WHEB-750 and that's enough. Lately KUAT has been in very frequently at s/off w/and sometimes c/BE. Perhaps it is just good CX, but if they got a better skywave radiating antenna or a more efficient transmitter they may eclipse KNIX as Arizona's easiest. The point being, if you've tried for KUAT to no avail in the past, try again; They really seem to be "getting out". I'd really like to see this reach the East Coast, OK guys? Newly authorised stations WJIK-1580 and CTSV-1530 have been heard here lately too. 73 de KA9DHA (inactive ham unfortunately). (Please Muse often, Earl! -ERC)

TOM'S GOT A LOT OF DX - AND THAT AIN'T NO BULL!

THOMAS H. BULL - 2544 Naylor Road SE - Apt. 202 - Washington, DC - 20020 11/4/80
Time for our first Muse of the season. No luck on any of the CPC's Oct. 26-27. Latest loggings and/or tapings include the following: 11/4. WKJK-900 NC 6am s/on in WILD OC. 10/30. WVKO-1480 NC 5:44pm s/off. 10/28. WWSL-1590 NC 5:32pm, very slow ID; WXR8 -1590 GA 5:59pm s/off. (Ha Tom; I also heard WXR8' s/off this date! -ERC) 10/26. WBEQ-1130 PA 6:20am car race promo; WRRL-1130 VA 6:30am s/on; WHLN-1170 NJ 4:59pm movie mx, BX, WX; WPKB-1130 NC, 5:43pm country-gospel stuff, possible s/off. Note, our local daytime WUST-1120 stayed in OC after s/off 10/26, still in OC past 4am 10/27, someone forgot to pull the switch! Speaking of locals, WOL-1450 has been off at least the past four Mts. 10/23. WSNW -1150 SC 5:58am 90m; WFPN-1150 GA 6am s/on; unID-1150 6:18am, male, FF, weak; WPGA-1100 PA 6:30pm s/off; WZAM-1110 VA 6:32pm s/off. 10/20. WCBT-1450 SC 12:07am s/off; WCBT-1230 NC @ 11:17pm football promo, station break. 10/18. WAXN-900 NC 6:43pm s/off; WKDF-900 VA 6:45pm s/off; WGTA-950 GA 7:15 s/off. 10/16. WYOK-1000 GA c/w mx, s/off @ 7. 10/12. UnID-1560 @ 1:19am testing w/c/w mx. 10/1. WREW-1220 NC s/off 6:43pm; CJSS-1220 ON 7pm briefly w/temperature, NX. 10/2. WORI-1550 TN 7:15pm s/off. 9/30. WARE-1250 MA 6:49pm w/Red Sox promo. How many other stations are there w/call sign same as name of town? Also 9/30 WENC-1220 NC 7:28pm s/off. 9/29. WJCV-910 c/w mx ET. The WOTO TEST on 10/13 was like a local, of course, since I didn't need them. Any of you more technical minded folks have any experience with these direction finding antennas using a ferrite rod loop and a sensing antenna set up? Wonder if they are any great shakes for DXing? Last one I remember seeing was in QST, I think the September issue. How do I explain the Red Skins to the kin folk in Minnesota after what the Vikings did to them? That's all the new catches for now. I hope everyone has a good DX season. Take care Ernie, and stay off the broncos and you won't get bronchitis?? As WPT might say, seventy elms.

BEACONS BECKON

DICK TRUAX - 3003 Gleason Lane - Louisville, KY - 40299
Not too much DX to report since my last Muse a week ago but I have added two new stations. 11/2. WHII-1570 Miss. w/ID & ad for Miss. State FB @ 6:10pm all alone. I thought I had logged all stations on 1570 in the South but guess not! 11/5. WWSA-1290 GA w/NX & ID @ 5:30pm covering pest WHIO & unn WCBL-KY. Though it's not strictly BCB DX, the fact I logged it first on my car radio makes it possible that someone else might hear them on a TRF or car radio. The beacon BEH heard while in Columbus, Ohio recently has now been heard here, on a frequency of 524, also beacon OS is now logged here on 515, the old car radio really has some spread on the bottom end of the band! For other beacons heard here (like DALLAS LANKFORD, I tune the band edges) are GF-521, UUP-527, CRC-524, TO-521 & BG-513. Anyone have knowledge of the whereabouts of these beacons? I've sent ten CPC letters to stations in Georgia but response so far has been nil. I will try to send ten more new letters out in the next few weeks. More as it happens.

MARC "RIDES OFF INTO THE SUNSET"!

MARC DeLORENZO - 102 Goodwin's Hill Road - Sudbury, MA
Greetings. In order to find work, I have decided to relocate. I now work for Control Data Corp. in Waltham, still as a computer operator. Actually, I am in Sudbury only four days per week. The rest of the time I spend either on the Cape or in transit. In addition to the fact that I have access to my receiver only four days perweek, DX has also been hampered by an annoying electrical buzz on the ECB. However, the enthusiasm is still there in this, my 15th year in NRC. 9/9- Albania-1395 strong w/military march mx, man in unk language 7:15-7:45pm. 9/11- WNSO-1450 VT atop w/ID, CBS NX @ 6am. 9/16- WRBX-1530 NC L&C, alone w/o/w 7:22-7:45pm. 9/18- UNID FF-1170 L&C o/u WVA w/EE FF rock, lively FF DJ 7:18-7:45pm. Is this a new station in Quebec? (Nope, an old one in Cornwall, ON - ERG) It's a mystery to me. 9/23- Saudi Arabia-1521 good w/AA chanting thru WKBW sideband, 7:15-7:25pm. 9/30- WBSC-1550 SC fair w/ID even w/CBE 7:31pm; R Paradise-825 St. Kitts L&C w/Christian program 8:15-9pm, apparently a frequency change from 1265. 10/1- WVAB-1550 VA fair @ 6:30pm s/off leaving WXYA-1550 WV w/advice to tune to FM & abrupt carrier cut, no s/off announcement, 6:30. 10/7- WFAK-1220 VA fair atop Jumble 6:31pm s/off; WKBA-1550 VA fair w/preacher to 6:45 s/off. 10/8- WZAM-1110 VA good o/u WBT w/ads, WX to 6:32pm s/off, no anthem. 10/21- WJIK-1580 NC fair, atop w.NX, c/w 6:11pm; WTRG-1520 SC fair, atop w/r 6:32. 10/23- WFNC-940 NC good o/CBM following WINE s/off w/o/w @ 6:16pm. 10/24- WFLD-870 VA L&C @ 6:44pm s/off w/annoying echo effect; WKDW-900 good, atop w/o/w to 6:45 s/off. 10/30- WEAT-820 good w/WGSU w/30's mx @ 6:35pm; CHRL-910Que. L&C w/EE rock, FF jingle & DJ 6:49; CBY-990 Wfld. w/WX 7pm. 10/31- WIIA-1580 VA fair, atop 5:44pm s/off; WPUV-1580 VA good 5:46 s/off; WVKO-1580 OH very good w/Black programming 5:57. RX here is an HQ-100 w/150' LW running E/W, & SM-2; also a Realistic reel-to-reel tape recorder & Micronta frequency counter. Have a nice Thanksgiving and let's see more support for Musings.

DAVE'S GETTING LOTS OF NEW CATCHES & VERIES

DAVE FOX - 333 Douglas Street - Reading, PA - 19601 11/7/80
DX has really picked up over the last month or so! Both the end of Sept. & Oct. produced new catches. Good Western openings on 9/28 & 9/29 produced s/off loggings of two Michigan stations on 1480; WSDS at 7:45pm & WMAX @ 8. On 9/29 WBEL-1330 was surprisingly heard at 8pm mentioning power and transmitter switch. WPAG-1050 put in a s/off appearance @ 7:30pm on 9/28 and WIZO-1380 was noted with s/off 8pm on 9/29. On 10/5 WEVA-860 was heard ending a proof at 1:55am. 10/25 found a terrific opening on 1570 kHz. Heard at 7:15pm s/off were, in order, WHEL, WILQ, & WTAY. All three stations mentioned their respective FM affiliates & the latter two had no SSB. At 7:30pm on 10/25, WTRB-1570 was heard with s/off quote by Oscar Wilde and SSB. Also on 1570 at 7:40pm a weak s/off was noted from KMAR with mention of station P.O.B. Working 910 kHz during WSRB's SM SP from 3-6am two new stations have been added. On 10/26 WOKK was heard for the first time w/c/w mx and PSAs for VA from 3:20-3:40am. On 11/2 WJCV-910 was heard from 4:55-5:30am w/c/w mx, CBS NX & plug for Atlanta 500 coverage. Good Northern opening on 10/30 allowed WKKK-1430 "Music of Your Life" (MYL) to be heard from 4:30-4:45pm. Another good opening brought first time heard WSCP-1070 on 11/7 with local spots from 4:25-4:29pm. Does CKNR-930 repeat CKNR-1340 after midnight? I believe that I heard CKNR Elliott Lake ID on 930 on 10/26 about 1:00am! Locally it appears WRAW-1340 is ESP. They have not been noted on their usual SM SP since 10/19. This destroys 1340 here and ends an unusual SM SP which extended from 2-8am. Veries in from WEMB-1420, WSKK-1050, WMAX-1480, WEVA-860, WIZO-1380, WJRB-1330, WBEL-1330 (friendly CE there mentioned report from Finland at the same time I logged them), WTAY-1570, WHEL-1570, & WILQ-1570. Big welcome to new NRCer JIM WEBER across the river in West Reading. 73s and good DX.

MOTHBALL MEMORIES

CHAPTER CLVII - STATION PROFILE - WGN-720 -by PETE KEMP.
WGN traces its roots back to May 19, 1922, when it was WDAP, then owned by the Midwest Radio Central, Inc., operating with 1,000 watts. The Board of Trade purchased WDAP in 1923, then that following May the Whitestone Company, Manager for the Drake Hotel, took over briefly and then came the famous Chicago Tribune, along with a call letter change to WGN, which by now everyone should know stood for "World's Greatest Newspaper", obtained through the courtesy of a Great Lakes skipper, Carl D. Bradley. On June 1, 1924, WGN took to the air. Over the years WGN programmed a wide array of material, news, sporting events, and remotes from areas far and wide. Baseball with the Chicago Cubs and White Sox on Oct. 1, 1924, in 1925 the famous Scopes Trial with William Jennings Bryan and Clarence Darrow in their oratorical splendor, and the Tournament of Roses Parade and the Notre Dame-Stanford Football Game. The Memorial Day Indianapolis Race and the Kentucky Derby were other notable remotes. Amos & Andy, one of the most popular comedy teams got their start at WGN, however they were known as Sam 'n' Henry then. In 1926 WGN's power was raised to 10,000 watts and in 1927 a Class 1-A designation was received. The following year the power increased to 25,000 watts and finally in 1934 the present 50,000 watts was being heard. In that same year they helped to form the Mutual Broadcasting System, with WOR, WLW, and WXYZ. In 1935 the station's Michigan Avenue facilities were constructed. Today WGN resides at the Continental Broadcast Center.
We have four more such profiles; three from PETER KEMP and one from PETER HUNN.

REMEMBER THESE SPECIAL DX TIP BROADCASTS THAT WE HAVE BEEN INFORMED OF AT MUSINGS HQ;
Sunday evenings, 9:08-9:30 p.m. on WPTF-680, Raleigh, N.C. with GLENN HAUSER.
Monday evenings, once a month, at 9:10 p.m. EST, on HCJB, Quito, Ecuador, date and frequency not known, with new NRCer EARL HIGGINS. Earl, can you fill us in on the details?
WE'LL PUBLICIZE OTHER DX TIP BROADCASTS HAVING TO DO WITH BCB DX WHETHER ON BCB OR SW IF YOU WILL LET US KNOW OF OTHER SUCH PROGRAMS. HOW ABOUT YOU WHO WORK AT RADIO STATIONS DOING SUCH

BOB HAS MOVED "AWAY OUT WEST"

BOB LOEWEN - 536 Parkridge Drive, S.E. - Calgary, Alberta - T2J 4Z2 11/1/80
This is my first Musings in quite some time. I am still in the process of getting used to the dial in this part of the country, having been transferred to Calgary from Toronto in July. Unfortunately our new home is surrounded by three 50kw transmitters, all about 2-4 miles away, which puts a damper on daytime DX. Nighttime DX fortunately doesn't suffer as much. Over the past few months this new location has allowed me to add 11 new states heard (six new verified), and three new Provinces heard (one new verified), for current totals of 42 (33) states and 7 (5) provinces. Furthest catches to date are XEWA-540, WBNC-660, and WWL-870. Recent veries include CFCQ-600, KFAB-1110, KOB-770, KOJM-610, KIRO-710, KOA-850, KGH1-790, KMOM-560 & CKCR-620. With a little effort I hope to add Alaska and maybe the Yukon this Winter. The longer Winter nights at this higher altitude, and numerous early morning DX sessions with the arrival of our second child next month should help improve my totals. If anyone is looking for a complete list of CBC owned and affiliated AM stations you can write to CBC Audience Services, Box 500, Station "A", Toronto, Ontario, M5W 1E6 and ask for the "CBC Background" brochures on "Radio Stations - English" and "Radio Stations - French". The list includes all LPRTs as well. The John Gilbert AM talk show (Canada's version of Larry King) is heard locally on CFCN-1060. The show originates from CKEY-590 and is carried on about a dozen stations across the country. I will try to get hold of a complete station list. 73's.

HERE'S THEMAM WHO MOVED FROM WEST TO EAST!

MORRIS SORENSEN - 53 Dunoon Avenue - Kipland Lake, Ontario - P2N 1X9 11/3/80
Recent DX: 10/16- WNYR-990 NY w/country mx @ 8:40pm; KGLO-1300 LA @ WERE w/sports @ 11:30pm (a Manitoba regular but never heard at any of my previous Ontario locations). 10/31- No DXing as such but I enjoyed a live seance on KDKA. MM 11/3- WBNC-1490 PA on top briefly w/ID @ 12:25am; ET on 1320 at this time - no ID, but strength indicated umm CFCM - station u/them w/woman talking about abortion - no ID on half hour; WIBL-950 NY @ 12:35 am w/ad for "Special coupon booklet", umm CBJ-1580 running continuous TT until at least 1:45am ruining channel; 12:37-1:02am I spent trying to ID mysterious but strong LA on 860 w/lots of U.S. pop, mentions of "futbol" and IDs as "Ocho Cinquenta" as reported by NEIL KAZAROSS in 10/6 IDXD; WOKO-1460 NY @ 1:37am w/mention of "OK Radio" fole by legal ID and PSA for handi-capped aid. I was in Toronto for a while in late October and had a great visit with TIM KERFOOT. 73.

HARRY'S NOT A 'COMPANY' MAN

HARRY HAYES - 9 Henry Street - Wilkes-Barre, PA - 18702 EST
DX time has been about non-existent this past week. Numerous planned sunset receptions have been spoiled by visiting relatives and by my attendance at a birthday party. Company, the bane of DXing, hi. Speaking of company any and all DXers are welcome to stop by here if you happen to be in this fair city. I won't throw you out at sunset, I promise, hi. I did manage to log long wanted WBLR-1430 Batesburg SC at 5:28 s/off today, 11/3. Reception was strong. Ahh! Those November CX! WRZZ-1340 has cleaned up their muddy audio of last week and have partly de-automated their format. Former WBRB newsmen, Bud Brown, does the morning show. He was one who I thought was laid off. It seems the two stations, WRZZ and WRZZ-FM are being well accepted in the community. I have yet to hear a nasty word about their presence in the paper, however at other radio stations it must be a different story, I'm sure.

NOTHING NEW THIS WEEK

ERNIE COOPER - 5 Anthony Street - Provincetown, MA - 02657 617-487-9337 11/11/80
Two more BCB veries are in, w/1/3 from WHIT-1260 & 4VRD-1080, the latter in FF. WHY is Florida #193 here; 4VRD is Haiti #9; 4,170 in all. This was not particularly a good week at the dials, and the R-390A is "resting" because the cord plugging into the NRC Loop is acting up. But the HQ-180 and SM-2 came through. DX this week; Election Day, 11/4; AU CX continued, with a very weak WMLB-1550 noted testing way u/CBE @ 12:44am. An UNID TTR held down 1310, 1:14-1:30 when there was a possible muddied ID. WLOB was heard there relaying WLOB-FM, with very very low modulation so they were hardly a factor. ANer WFTQ-1440 was off; WFLD-1070 was coming in @ 1:45am. 11/5- Virtually every fulltimer in the nation was still on w/ER, making DXing an exercise in futility. Today on 1310, stranger WJLK was on top @ 1am. Umm CHOK-1070 was very loud, could have been their day pattern, @ 1:15. On 990, Philadelphia is still WZZD, ID caught at 1:42. 11/7- Seldom-heard but umm WNEB-1230 was there still on RS @ 12:49; umm WEIM noted signaling off @ 1 on 1280. Interesting frequency, 1310, today had WREL on top @ 2:05 as they came off UPI NX. On 910, a very strong TTR was caught at 2:34 time-in till they quit at 2:38. 11/8- I got up early to look for WKIV's r/c at 12-12:15, not on, nor was umm WHTY-990's - their check must be the Sat. after the first Friday - we'll see this week. Umm WNEB-930 s/off @ 12:16 w/choral SSB, then one more ID, & off. There was something very weak on 1408a 12:39-12:50 when it faded away. My still UNID PFC-710 was giving it to WOR today @ 12:20-12:50, on the CBC FF network. Let's go back to 1310 again - ha, still another one on top today! CRGB, in FF, s/off @ 1:12 w/O'Canada. UNID ITs were noted on 980 @ 1:33 & 1230 @ 1:37. Back to 1230 @ 1:48 to hear daytime local WESJ signing off from a PoP, so it was they with the tone. SM 11/9- WBSM-1420, usually off SSB, wasn't today. Umm CHSJ-1150 pushed thru WHEU's RFL mx quite well @ 1:33. In with KTW & CRP is an SS running AN, I think it is a Cubano. WCAU mentioned solar flares were much in evidence; however, it was NOT Auroral on the band. Maybe solar flares do NOT bring the AU after all. MM 11/10. This was an awful day for DX - Mid-Summer T-storm static was murder! I think I heard the TEST from umm WYNN-540, though. FRANK DAILEY called & we spent the usual DXing time talking instead. Then a try at FM proved fruitless also; a real nothing morn indeed. 11/11- CX were back to good; WITS-1510 was off AN (L.King) & testing, 1:37. TTRs on 1590 @ 1:22, 1260 1:56-2:48, & 1270 2:42-2:46. WSSJ ruled 1310 as usual on Tuesdays & what's this? CKJD way o/WBT @ 2:27am! Naughty naughty, CKJDCUNT. And a very HAPPY THANKSGIVING to all!