



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 46, Number 8

December 11, 1978.

STATIC FROM HQ

Ted is here at the publishing session but we're giving him the week off....he is "off" anyway, but that's a family secret and we won't say anymore, hi. We have some business to take care of and will use "Static" this week.....

THE MAIL'S A MESS and Frank Dailey sends the following: "Due to increase in holiday mail volume and postal losses incurred in the past, orders for our booklet publications (logs and manuals) and reprints received at Publications Center after December 12th will be held until after January 1st. We regret any delays but past experience has proven this to be the most effective method as far as everyone is concerned. Happy Holidays from Frank, Ken and Karl."

BEST SERVICE from the various NRC volunteers can be obtained if you send your inquiry or change of address to the proper person right away. We have a lot of mail misdirected, so help us help you.

Headquarters in Louisville gets: Changes of Address, Requests for missed bulletins/back issues, Articles, Clips, Requests for Membership Certificates, Complaints and Suggestions (hi).

Membership Center in Poquonock gets: Applications for New Memberships, Renewals, Requests for Samples and General inquiries about the club.

Publications Center in Gales Ferry gets: Orders for NRC Logs, Night Pattern Books, Reprints and Orders by other than new members for the new member booklet, Getting Started in Medium Wave DXing.

THEY JOINED

Gat

Welcome to these two new members. Muse and introduce yourselves soon!
Art Rideout, WA6IPD, P.O. Box 945, Fallbrook, Calif. 92028
Robert Jenkins, 2041-B Paxson Drive, Anchorage, Alaska 99504

CPC TESTS

Times are Eastern Local

- December 18 Monday KDLG-670 Dillingham, Alaska 0515-0615, 5 Kw ND. Will include tones, voice & code IDs, DX gab & Eskimo talk. Prepaid calls to (907) 842-5281. Reports to Les Robinson, GM, KDLG, Box 670, Dillingham, Alaska 99576. Arranged: Ryan of GWDXA, NRC.
- January 8 Monday WXAP-860 Atlanta, Georgia Midnight-0400, 1 Kw. Will use tones, various music. Reports to: Dan Dunnigan, CE, WXAP, 1655 Peachtree St., NE, Atlanta 30309. For those who reported the test last season, WXAP veries should be received before this test. If last test veries are not received by January 1, send your report to Chuck Hutton. Arr: Hutton.
- January 8 Monday KK10-1290 Santa Barbara, Calif. 0300-0400, 500 watts. Will include many IDs, tones and Herb Alpert music. Reports to Mr. Guy Erway, KK10 Radio, 1919 State St., Santa Barbara, Calif. 93101. Arranged: George A. Santulli.

LOOK INSIDE

Domestic DX Digest.....	2
International DX Digest.....	4
Graveyard DX Achievements.....	7
The Verification Game.....	9
More on Medium Wave Ionospheric Propagation.....	11
Musings of the Members.....	15

DOMESTIC DX DIGEST

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

▲ lot of you are DXing, but not sending in any of your catches. Why not send in your latest catches and share some of your DX with others?

DX TEST

WWDJ - Heard by RA

FREQUENCY CHECK

4th Mon. WJDY-1470 per list. (RA)

TWILIGHT ZONE

- 730 WFMW KY MADISONVILLE - 11/4 1746 s/off, fair, au cx prevailed. (JK)
850 WRUF FL GAINESVILLE - 11/15 2131 fair w/spot for Krispy Krems Do-nuts, ads, ID, T40 mx. (WPT)
900 WGOK AL MOBILE - 11/16 good @ 1747 w/area ads, Soul mx. (JK)
950 WNCB PA BARNSBORO - 11/19 s/off @ 1700 w/WPEN nulled, weak sig. No SSB heard. (HJH)
WSPA SC SPARTANBURG - 11/16 almost positive reception @ 1722 w/many ments. of SC & SS tables showed other SC station on this freq. to be off by 1715. (JK)
970 WWIT NC CANTON - 11/6 1716 w/"One Nation Under A Groove" Soul song in WWDJ null, fair w/"97 IT" IDs. (JK)
1000 WQTY AL MONTGOMERY - 11/6 on au eve on RS in WVOV, AL null! Good at 1736. (JK)
1010 KLRA AR LITTLE ROCK - 11/15 2031 xlint w/talk show w/head coach of Arkansas FB team. (WPT)
WGUN GA ATLANTA-DECATUR - 11/4 on RS @ 1715 w/religion, good in WINS null. (JK)
1090 WKSP SC KINGSTREE - 11/5 1713 good w/ads for Myrtle Beach, s/off. (JK)
WMTY SC GREENWOOD - 11/5 1733, heard mins. after WKSP to s/off way o/WBAL!! (JK)
1380 WBIC NC NEW BERN - 11/11 dominating freq. @ 1654 w/Soul. (HJH)
1400 WFTG KY LONDON - 11/20 xlint 1749 w/ad for Cook Bros. Supply, then GOS mx. (KVJ)
1410 WRIS VA ROANOKE - 11/21 fair @ 1715 s/off ments. of FM, #87 from VA. (JK)
1460 WAKS NC FUQUAY-VARINA - 11/11 1657 strong at times w/ID ending nx, then into C&W mx. (HJH)
WROY IL CARM - 11/16 1730 heard ments of Carmi in what sounded like community nx, ad for Carmi Times, very poor...is it "Carm-I" or "Carm-E"? (sounded like the former to me). (KVJ)
WFMH AL CULLMAN - 11/16 good 1743 w/ad for local food store, C&W mx-QRming WROY. (KVJ) Fair 11/25 1745 in au, power cut to 500 watts in null of WOMB. Local ads, AM-FM ID. (JK)
1480 WABB AL MOBILE - 11/15 1745 good/xlint w/drug store spot, movie promo for Pensacola theatre, T40 mx. (WPT)
1500 WDEB TN JAMESTOWN - 11/4 1730 s/off w/FM ment, poor way u/WTOP, best SSS catch on this freq. (JK)
1520 WHIC KY HARDSBURG - 11/25 1729 s/off w/FM ments...poor au cx. (JK)
UNID -- ----- 11/19 1730 fair sig. but missed ID but heard SSB on s/off, mild au cx suggest GA-FL area, any ideas? WNMT-Garden City, GA maybe? (WPT) WNMT? (RA)
1570 WOMA MS WINONA - 11/5 @ 1302 s/off, loud, #14 from MS. (JK)

MISPLACED BY EDITOR

- 1050 K SIS MO SEDALIA - 11/16 good 1755 w/national wx sponsored by Realty Co. then s/off 1753 read hurriedly, ment. clear channel freq. (KVJ)
KSOH AR LITTLE ROCK - 11/16 concl. of "Old Time Gospel Hr." @ 1753, into s/off, ment "The Sound of Hope." (KVJ)

WWEL FM 108
AM 1430
BEAUTIFUL MUSIC FROM THE TOP OF THE DIAL...



Canadian
Broadcasting
Corporation

Société
Radio-
Canada

MIDNIGHT MOVIE

- 850 WRAP VA NORFOLK - 11/13 most wanted catch finally heard 0343 alone w/ID & Soul mx, clear but poor. (JK)
860 WAYE MD BALTIMORE - 11/16 0810 noted off the air. (WPT)
930 WITN NC WASHINGTON - 11/14 0601 s/on good in WPAT null, so loud I thought it would be one I would have to have heard already while listening to SSB, hi! (JK)
1220 WRIB RI PROVIDENCE - 11/27 0028-0035, think it was they w/ID, then ET/TT w/WGAR, 0028 ID sounded like WRIB. (RA)
1240 WOEM MD CAMBRIDGE - 11/16 @ 0600 on RS fair, need only 6 sta. to complete MD. (JK)
1280 WGSO LA NEW ORLEANS - weak but here on 11/27 0113-0225 w/local tele-talk programming, VIDs, many mentions of area, QRM from CJMS/CJJD was severe to almost non-existent at times, WADO off. (RA)
1310 WORC MA WORCESTER - 11/27 0019-0027 o/WICH ET w/ET of their own, w/TT/OC & IDs @ 0022 & 0024. (RA)
1400 WSGA GA SAVANNAH - 11/20 0022 ID by OM, then Barbara Streisand Song, good atop GY pile. (WPT)
1430 WRXO NC ROXBORO - 11/15 0605 w/WGNet Nx, poor in WNJR null. (JK)
1450 W TSA VT BRATTLEBORO - 11/27 topping WWSO 0005-0015 s/off w/local nx, wx, thought for the day, 0012 detailed AM-FM s/off, ISSB. Carrier off @ 0015 leaving rr from WWSO. (RA)
1550 WMOO AL MOBILE - 11/27 noted briefly 0424 w/ID/ET/GOS mx. (FD)
1580 KLOU LA LAKE CHARLES - 11/12 0408 alone & good at times w/rr mx & Turkey Contest. (HJH)
1590 WGOE VA RICHMOND - 11/27 once again running ET w/many IDs, Rock mx, atop others 0046-0107. (RA)
1600 WFRG NC REIDSVILLE - 11/27 on late w/NC State-Louisville BKB Game from U. Of Alaska Gym, local spots noted during time outs, 0235-0306, weak, but all alone. (RA)

That should do it. It's 10:15 PM, and I still have five reception reports to type, so I'll say 73, and thanks to all those who could make it to my GIG. We had a total of 17 including my wife & the dog. Merry Christmas, Happy New Year!!!

R.R.

THE BIG 6

FD Frank Dailey, Preston, CT
HJH Harry J. Hayes, Gouldsboro, PA
KVJ Karl Jeter, Atlanta, GA
JK John Kromka, Montville, NJ
WPT William P. Townshend, Washington, DC
RA Raymond Rockett, Cush Net, MA

HQ-180, SM2, LW
Zenith T-0, SM2
HQ-150, TRF, SM2
DX-160, 800 mile LW
TRF
SX-122, SMI

INFORMATION

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g Joe

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T1J 3Z9

INTERNATIONAL DX DIGEST

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

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

The word on the new frequency changes-only partial co-operation from the TA's. I haven't received data from anyone else as of 11/27 AM, so what little data I have (caused by somewhat auroral cx) will be listed briefly here: 665-Portugal stere here, 738 unid but hopefully Spain, 765 Senegal, 827 2 stations still here, no ID, 854 still somebody here, 1016 still occupied, 1034 Portugal stere here, 1044 Morocco, 1053 Great Britain, 1088 unid, 1089 Great Britain, 1215 Great Britain, 1304 an AA still here-either Senegal or more likely Algeria, 1404 Guinea, 1467 Monaco, 1475 somebody here, 1476 unid also, 1539 Germany, 1554 unid, 1557 seems to be France, 1566 unid, 1575 has 2 unid's-one seems to be the Tunisian, 1593 Germany.

DU's: I can speak for 1548! Weak carrier, presumably 4QD, heard MM 11/27 at 0933, not a trace of audio. Not a thing on the rest of the channels. What's going on out on the west coast?

A very small column this week. Next week ought to be much better-11/26 and 11/27 were the 2 best LA nights of the season here, plus maybe some DU/TA logs will wander in.

Unless otherwise indicated, all logs are from Mark Connelly....

- 525 COSTA RICA Cartago TICAL R. Rumbo o/WKRC slop and NB 530 beacon het w/light LA mx and ID 0510 11/19. (Kenneally)
- 529 ALGERIA Ain Beida fair w/man in AA 2351 11/20.
- 529 COSTA RICA TICAL R. Rumbo 0252-0258 11/22 w/local pops, ads, SS man w/nx on Nicaraguan border clash. Very good. (Krueger)
- 535 GRENADA Mourne Rouge in w/fair sig but TV in next room ruled out clear audio. A little EE came through 0227 11/24. (Kenneally)
- 548 ALGERIA Oran good w/woman in AA 2310 11/15.
- 595 DOMINICA Roseau in w/local strength and lots of mx 0035 11/24. (Kenneally)
- 611 MOROCCO Sebbaa-Aioun strong w/nx by man in AA 2311 11/15.
- 620 NICARAGUA YNM R. Difusora Nacional good, atop channel w/very somber violin mx, ID 0728-0730 11/20. (DeLorenzo)
- 647 ENGLAND Daventry good o/feeble 650 het; EE commentary by man 2352 11/20. (Connelly, car radio)
- 650 DOMINICAN REPUBLIC Santo Domingo HIAT good w/"Still the Same" by Bob Seger, then Universal ID, SS ads 0443 11/16.
- 675 COSTA RICA San Jose TICN in w/loud "Sonora" ID, then fade-out 0518 11/18. (Kenneally)
- 680 CUBA Cienfuegos QMHN SS RR song on R. Progreso //QMHC, QMKP, QMBC. Fair u/WCBM 0221 11/16. (Townshend)
- 701 MOROCCO Sebbaa-Aioun loud, wasting WLW; typical yelling and chanting noted at 2312 11/15.
- 705 ST. VINCENT R. St. Vincent good w/man in EE and various types of mx including rock, MoR, and Xmas carols 2315-2330 11/15. (DeL'zo)
- 710 COLOMBIA HJNX R. Super, Medellin fair, alone (WOR Off) w/SS vocals, many ID's 0820-0845 11/20; runs the same musical notes between songs, possibly on xylophone. (DeLorenzo)
- 719 PORTUGAL Norte superloud w/male folk vocal, feeble YVOE/WGN het noted in background 2313 11/15. Good w/man in PP usually o/WGN slop 0131 11/21 on car radio.
- 725 COSTA RICA San Jose TILX loud w/SS talk, Columbia mention 0444 11/16.
- 728 UNID 3 station jumble, probably Spain-Portugal-Germany 2314 11/15.
- 730 MEXICO Mexico City KEX 0403-0430 11/22 w/SS nx, ID, feature mx pg, xInt. (Krueger)
- 737 ICELAND Akureyri 11/6 0705 OM w/talk, then 0707+ OM w/talk o/piano mx, //209. (Vernon) Good!-CH
- 737 SPAIN Barcelona good on car radio w/male SS vocal 0134 11/21.
- 750 VENEZUELA YVKS R. Caracas fair o/WSB w/"Summer Nights" and many

- (750, continued) mentions of Caracas 0518 11/18. (Kenneally)
- 755 PORTUGAL Lisboa bombing in w/opera 2315 11/15. XInt on car rx w/piano mx 2341 11/20.
- 765 EL SALVADOR YSKL? R. Universal at first unid until // on 760 and 770 showed up. Going by signal strength I'd venture that YSKLB San Miguel moved up while YSKLC Sonsonate stayed but this is only a guess 0600 11/24. (Kenneally) 765 is YSKLD-CH
- 765 SENEGAL Dakar at pest level w/AA talk 2316 11/15.
- 770 EL SALVADOR San Salvador YSKL like local w/full station ID and call. //760 and 765 0600 11/24. (Kenneally)
- 773 SPAIN Caceres et al good w/SS talk punching through WABC buckshot 2317 11/15.
- 782 PORTUGAL Miramar good w/violin mx 2318 11/15. Outstanding/like a local on car rx, utterly demolishing 780; several 1964 era Rolling Stones album cuts, then man in PP 0127 11/21.
- 800 PANAMA Chitre, R. La Exitosa in fair w/XEROK nulled. US rock and ID 0526 11/23. (Kenneally) Somebody called this Costa Rica in DXWW a while back-this is definitely Panama-CH
- 809 SPAIN Sevilla fair w/SS talk 2319 11/15.
- 818 ANDORRA La Vieja superb on car radio, blasting in like a local and providing me with entertainment while I was stuck in a downtown Boston traffic jam: "She's Not There" by Santana, then FF disco 2344 11/20.
- 818 MOROCCO Rabat xInt w/AA violins //827 2320 11/15.
- 825 COSTA RICA San Jose TIOS fantastic signal w/"Titania" ID in middle of US blues song 0635 11/19. (Kenneally)
- 827 MOROCCO Oujda loud, dominant o/SAH w/AA violins //818 2320 11/15.
- 830 DOMINICAN REPUBLIC Santo Domingo HIJB 0358-0401 11/21 caught s/off w/NA. Good. (Krueger)
- 830 HONDURAS Tegucigalpa R. Moderna local quality after HIJB down 0401 11/21 w/mx, "La hora en Radio Moderna" ID. XInt. (Krueger)
- 860 MEXICO Mexico City XEUN presumed the one 0640-0700 11/21 under KONO w/SS man and nonstop cl mx. Lost or pulled the plug at 0700. (Krueger)
- 870 CUBA Guantanamo QMDN SS talk by OM fair u/WWL 0225 11/16. (Tn'snd)
- 899 ITALY Milano generating screeching het on car radio, sometimes II or FF talk by man surfaced 2346 11/20.
- 908 GREAT BRITAIN synchronized outlets killing 910 on car radio during best TA opening of this autumn; woman in British EE in well on car rx at 2348 11/20.
- 936 MOROCCO Agadir poor to fair w/AA instrumental mx 2325 11/15.
- 939 UNID probably YV or HJ-mushy audio and apparent SS talk, hitting CBM w/potent carrier; too early for Central America 2323 11/15. Looped east of south, almost towards Africa. (Connelly) Not even the slightest trace of a het here-maybe it is indeed Africa?-CH
- 950 VENEZUELA YVKG R. Vision, Caracas loud and clear, nearly alone w/several ID's followed by SS vocal 0903 11/20. (DeLorenzo)
- 989 SPAIN Madrid very good w/man in SS 2327 11/15.
- 990 VENEZUELA YVTA R. Tricolor, Barquisimeto good, all alone w/lively SS vocals 0925 11/20; mixing w/CBY s/on 0929. (DeLorenzo)
- 1034 PORTUGAL Porto Alto RDP clear w/PP folk mx, woman in PP 0650-0658 11/20. (DeLorenzo)
- 1043 MOROCCO Sebbaa-Aioun good w/man doing nx in FF 0704 11/20. (D'lzo)
- 1061 PORTUGAL Norte xInt on car radio w/cl piano mx, blasting 1060 into oblivion w/hardly a trace of a het, 2349 11/20. XInt during unusual cx where low latitude TA's were loud, but domestics were weakened as if by aurora-no KYW/CJRP QRM to 1061, just a weak 1060 het which seemed to be from LA's-man in PP and female operatic vocal noted at 2253 11/15.
- 1120 DOMINICAN REPUBLIC Santo Domingo HICN, R. Antillas good w/nx by 2 men in SS 2250-2254 11/17. (DeLorenzo)
- 1170 HAITI Port-au-Prince 4VRD R. Soleil FF rr song good o/WVVA 0040 11/16. (Townshend)
- 1196 MOROCCO Agadir fair w/moaning and groaning 2328 11/15.
- 1205 FRANCE Bordeaux good w/woman in FF o/SAH 2255 11/15.
- 1214 ALBANIA Lushnje poor in Germanic-sounding lang 0438 11/16.
- 1224 SENEGAL (tentative) talk by man in unfamiliar lang, weak, atop I223 het 2257 11/16.
- 1232 MOROCCO Tangier likely w/female chanting in WESX slop 2258 11/15.
- 1286 CZECHOSLOVAKIA Praha-Melnik noted at weak level w/cl mx 2259 11/15.
- 1349 MAURITANIA Nouakchott probable w/mumbled AA-sounding talk at a pitifully poor audio level on a tremendous carrier (demolishing WHNE et al) 2300 11/15.
- 1376 FRANCE Lille good o/1375 w/mx, then OC 2301 11/15.

- 1385 SPAIN Madrid good w/SS talk and mx 2303 11/15.
 1385 UNID LA in faint w/bad TVI het. Didn't really sound FF but might have been. Is there anything here other than 4VARH? 0220 11/24. (Kenneally) The Haitian's calls are 4VSD if memory serves me correctly. R. Hoyer is also here but very weak-CH
- 1394 ALBANIA Lushnje fair w/talk by man 2304 11/15.
- 1415 DOMINICAN REPUBLIC Marien HIOS suspected w/poor to fair SS talk 2305 11/15.
- 1457 ALBANIA Durres R. Tirana FS 11/9 0341-0256 QM in EE criticizing China and the West, "International" played at 0356. Not listed as being on at these times! QRM from a BBC Radio Two test 0355+. (Vernon)
- 1466 MONACO Monte Carlo fair to loud w/man in GG 2306 11/15.
- 1484 ENGLAND BBC R. Merseyside 11/7 0634 QM w/wx, then road works nx. (Vernon)
- 1484 ENGLAND BBC R. Humberside 11/7 0647 just topping frequency w/ Humberside weather watch. (Vernon)
- 1484 ICELAND AFRTS Keflavik 11/6 0643 SID "Radio, the greatest sound on earth", then "American Forces Radio in Iceland", rr mx, TC at 9 minutes before seven, APR nx noted at 0700. (Vernon) Great! I never expected to type up this station-CH
- 1502 SPAIN R. Popular de Sevilla fair w/mx from "Grease", SS rock, TC, ID 0625-0633 11/20. (DeLorenzo)
- 1502 SPAIN SS graveyard mess showing through bad WITS slop 2307 11/15.

Just a short note-the R. Angulo tx I mentioned last time is not ex 1120 but a new tx. 1120 heard in // 11/27-CH

Mark Connelly	Arlington, Mass.	R390A, car radio, SM1
Marc DeLorenzo	Centerville, Mass.	HQ100, SM1
Rick Kenneally	Cincinnati, Ohio	DX160, SM2, CB antenna
Terry Krueger	Casselberry, Fla.	QR666, 80 and 65' LW's
Bill Townshend	Washington, DC	TRF
Brian Vernon	Elsa, Yukon Terr.	DX150, DX160, FRG7000, 600', 1500', and 3 2000' Beverages

Response to my offer to tape the record of LA anthems has been very good. I'm getting them recorded within a few days of receipt so hang tight. Those who want the European anthems will need to send a second C-60 or 3" reel. Don't miss out-send tape.



Submitted by
 both Jerry Starr
 & Kon Rychalsky

Hi Fat listeners, thanks for requesting a WFAT Q.S.L. card. WFAT has studios, offices and transmitters located somewhere in New York City. WFAT operates on an unassigned frequency of 1620 KHZ. Our transmitters output range between 30 & 75 red HOI watts. The good old trusty FAT antenna is horizontally polarized and is beaming north and south. Thanks for helping us out.

Best Wishes to you always
 from your friends at clear
channel 1620 WFAT NEW YORK.

GRAVEYARD DX ACHIEVEMENTS

BILL HALE
 1451-B FAITH DRIVE
 RANTOUL, ILL. 61866

Greetings to all for the December edition of Graveyard DX Achievements. This month 1490 is spotlighted. A lot of new entries are contained herein, bringing the total to ninety-two. I have deleted those names off the lists which I couldn't find in the new membership list, and I've received a couple of requests to delete listings for various reasons. The Grande Totales column is coming up next month, so for those of you who haven't yet sent in your new totals, do it soon. Since the totals column is shorter than the other six, I will be including updates of the GY maps. Some call letters were in error, some have changed, and there are a few additions to add on. For those of you unfamiliar with the Graveyard Grand Totals...send in the total number of catches on each GY frequency and the total. Big or small, makes no difference. Here's an example:

	1230	1240	1340	1400	1450	1490	Total
EXXER, Gy D. 13		39	5	11	23	23	104

Deadline for the January Fiasco is December 20...Happy Holidays to all.

Bill

* 1490 *

Miles	DXer and Location	Station and Location
5000	Norm MAGUIRE E. Hartford CT	KTOH Lihue HI*
3690	Gene ALLEN Vallejo CA	WECW Mayaguez PR*
2640	Gene ALLEN Vallejo CA	CMOX Havana CUBA*
2400	Norm MAGUIRE E. Hartford CT	KVOE Santa Ana CA*
2400	Stan MORSS Bradford MA	KDB Santa Barbara CA*
2375	Ron SCHILLER Avenal NJ	KBRO Bremerton WA*
2300	Hank HOLBROOK Chevy Chase MD	KWIK Burbank CA*
2275	Ernie COOPER Brooklyn NY	KPQ Wenatchee WA*
2200	Ernie COOPER Brooklyn NY	KWVB Walla Walla WA*
2100	Stan MORSS Bradford MA	KYCA Prescott AZ*
2010	Ralph SPERRY Fairfield CT	KYCA Prescott AZ*
1850	Norm MAGUIRE Albuquerque NM	WIKE St Johnsburry VT*
1785	Frank WHEELER Erie PA	KYCA Prescott AZ*
1600	Don KASKEY Omaha NE	CMOX Havana CUBA*
1600	Hank HOLBROOK Chevy Chase MD	WMDD Fajardo PR
1500	Norm MAGUIRE Albuquerque NM	WMRF Lewistown PA*(tie)
		WESB Bradford PA*
1430	Don KASKEY Galva IA	KAFP Petaluma CA*
1265	Frank WHEELER Erie PA	KNEL Brady TX*
1225	Rick CARR Bloomington IL	KCUZ Clifton AZ
1225	Ernie COOPER Provincetown MA	WSEM Immokalee FL
1180	Ralph SPERRY Fairfield CT	WTUP Tupelo MS
1170	Jeff KOSNET Evanston IL	WMBM Miami Bch FL
1100	Russ EDMUNDS Parsippany NJ	KXRA Alexandria MN
1100	Alan IMPRESCIA New York NY	WMBM Miami Bch FL
1090	Russ EDMUNDS Kinnelon NJ	WKEM Immokalee FL
1050	Andy RUGG Pointe Claire PQ	KXRA Alexandria MN
1010	Alan IMPRESCIA New York NY	WTRL Bradenton FL
910	Ernie COOPER Provincetown MA	WSNT Sandersville GA
895	Dan PHILLIPS Cookeville TN	KXRA Alexandria MN
875	Mike HEPPE Houston MS	KRTN Raton NM
870	Ron MUSCO Windsor CT	WMOG Brunswick GA
860	Russ EDMUNDS Glen Rock NJ	WKRO Cairo IL
860	Rick CARR Bloomington IL	KRTN Raton NM
825	Tom SUNDBSTROM Willingboro NJ	WDXL Lexington TN
805	Jerry STARR Hubbard OH	KXRA Alexandria MN
805	Dan PHILLIPS Clinton TN	KTOP Topeka KS
800	Bill HARDY Aberdeen WA	KDB Santa Barbara CA
785	Jerry STARR Hubbard OH	KBON Omaha NE
765	Robert WIEN San Jose CA	KVAC Forks WA
765	Robert WIEN San Jose CA	KCUZ Clifton AZ
755	Bill HARDY Aberdeen WA	KWAC Bakersfield CA
750	Andy RUGG Pointe Claire PQ	WOPI Bristol TN
715	Gary ATKINS Louisville KY	KXRA Alexandria MN
685	Tom SUNDBSTROM Stockton NJ	WDXB Chattanooga TN
680	Mike HEPPE Houston MS	WKEM Immokalee FL
680	Gary ATKINS Louisville KY	KDOK Tyler TX
675	Stephen M'INTIRE Des Moines IA	WSGB Sutton WV
675	Dave SCHMIDT New Castle DE	WMOG Brunswick GA
670	Tim KERFOOT Weston ON	WHSL Wilmington NC

620 Jeff FALCONER Clinton ON
 620 Dave SCHMIDT New Castle DE
 610 Tim KERFOOT Weston ON
 575 Bill TOWNSHEND Washington DC
 550 Rich EDDIE St Louis MO
 550 Rich EDDIE St Louis MO
 550 Frank DAILEY Preston CT
 540 Nancy HARDY Aberdeen WA
 530 Nancy HARDY Aberdeen WA
 530 Ron MUSCO Windsor CT
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 405 Jeff FALCONER Clinton ON
 400 Harry HAYES Thornhurst PA
 400 Forest OSBORN Hooker OK
 385 Bill LACKEY Kingsville TX
 355 Bruce WINKELMAN Man WV
 350 Brett HANAVAN Chula Vista CA
 350 Gene NIX Billings MT
 330 Stephen M^CINTIRE Des Moines IA
 275 John BOWKER Valparaiso IN
 270 Jeff KOSNETT Evanston IL
 270 Paul MOUNT Teaneck NY
 270 Pat HARTLAGE Louisville KY
 270 Gene NIX Billings MT
 265 Pat HARTLAGE Louisville KY
 255 Bill TOWNSHEND Washington DC
 245 Stephen PONDER Ft Worth TX
 230 Frank DAILEY Preston CT
 190 Bill LACKEY Kingsville TX
 185 Stephen PONDER Ft Worth TX
 140 Bill HALE Ft Walton Bch FL
 95 Bill WURTZEL Passaic NJ
 75 Jeff KOSNETT Chicago IL
 65 Bill WURTZEL Asbury Park NJ
 50 Don DAVIS Warner Robins GA
 50 Don DAVIS Warner Robins GA

*= pre 1960 logging

Here's a tasty tidbit from the Nov 13 issue of Broadcasting...James D. Harbart of KSEK Pittsburg, KS has petitioned the FCC to permit most class IV's to operate at night with 500 watts or even 1000 watts, provided they use one-half or five-eighths wave length antennas. Harbart claims the GY'ers could increase their power and better serve their primary service area, without interfering with co-channel stations. The operator of the Kansas GY station has made his claims and petition around FCC rules and calculations which contend the higher the wavelength, the more signal is radiated to the ground, rather than into the ionosphere. Using his facility as an example, he came up with these variables...KSEK is on 1340, a one-quarter wavelength antenna is 195 feet. A one-half wavelength antenna would measure 380 feet, and he says at this length 500 watts should be permitted...now a five-eighths wavelength would soar 460 feet into the sky, and at this height, 1000 watts would work nicely. There is one hitch, however. GY'ers within 500 miles of the Canadian and Mexican borders would have to wait for present treaties to be modified before they could consider going Super-Pea-Power at night. Verrrry Interesting.

ARCHIE



VERIFICATION GAME

RON B. SCHILLER
 7656 LA BOLSA DRIVE
 DALLAS, TEXAS 75248

Appreciate the support this column has been receiving and a big pat on the back to Steve Ponder of Fort Worth, Texas, for his tireless research of recent verie signers.

FOLLOWING are "holdouts" who have verified for others & resulting v/s:

1140 CKXL T E McBride, GM; B. Martin, CE (holdout for RW)
 1150 WTAW J W Hult, Opm; Tony Nemeec, CE (NZ)
 KAGO E C Ewell, CE (RW)
 1180 WLDs Robt. Gerner, CE (NZ)
 1210 KGYN M. Raburn, M. (P) (KJ)
 1220 WSLM D Dixon, CE (f) (WH)
 1230 KYJC M Moran (RW)
 1240 KSMA Dennis Bornhoff, CE (RW)
 KPCC M. Callaghan; Geo. Chambers, CE (RW)
 1250 WTMA Joseph Lane, CE (f) (BB)
 KBRF Larry Nornes, PD (l) (RC)
 KLAZ R A Ghent, CE; J. Marino, GM (SP)
 WEMP Albert Hajny, CE (MW)
 1270 KFJZ R E Hornberger, E (RC-MW)
 WKYZ R C Harbaugh, CE (f) (KJ-MW)
 KAJO M G Pangburn, E (RW)
 1280 WGSO Frank Maynard, CE (WH)
 1290 KCUB L. Holsclaw, CE (l) (WH)
 KTRN V Beck, CE; King Wiggins, PD (NZ)
 KOWB Ken Keating (NZ)
 1300 WAAC C A Starkey, CE (r) (RC)
 KPTL P L Waegle, CE (RW)
 1310 WIBA W Elmendorf, QSL Mgr. (f) (RC-NZ-MW)
 KPKA D Sawyer, CE (NZ)
 1320 OPRM B J Carnegie, DoE (NZ-RC)
 1330 WRAA James T. Kite (l) (RC)
 1340 KMAK R Martin (RW)

SOME NEW heretofore unlisted holdouts:

540 WARO (KA)	1150 WABH (MW)	1290 KWGH (NZ)	1390 KFML (NZ)
550 KAFY (RW)	WGON (MW)	WFBG (KA)	1400 KONG (RW)
590 KFXH (RW)	KAYO (RW)	KMEN (RW)	1430 KTYN (MW)
620 KNKS (RW)	1190 KHAD (NZ)	1300 KYNO (RW)	1440 KPRO (RW)
780 KCRL (RW)	1230 KDAC (RW)	KMPB (RW)	1450 KTTP (RW)
790 WAKY (KA)	KRDG (RW)	1320 KGNR (RW)	1460 WKOK (SP)
860 WSON (NZ)	1240 KR0Y (RW)	1330 KUPL (RW)	WFMH (NZ)
900 WATC (MW)	KPOD (RW)	1350 KCKC (RW)	WBRN (MW)
910 OJDV (NZ)	1250 CHYO (NZ)	1370 WTKY (NZ)	1470 KUTY (RW)
950 WRLA (MW)	1260 WTJH (NZ)	1380 KCIH (NZ)	1490 KTOB (RW)
1020 WPEO (NZ)	1280 KIT (RW)	WYNK (MW)	KVAC (RW)

PREPARED CARD DEPT.: Received three examples (plus my own) of prepared cards. My only suggestion would be NOT to offer the station the "option" of NOT confirming your report. Think POSITIVELY!

(Example)

This will verify your reception of KPOW, 1269 kHz., Powell, Wyoming on / / 78 at : AM, PDT. During this time, KPOW was broadcasting with a power of watts with/without a directional antenna. If directional, direction of main lobe: degrees from true north. The announcer at the time of reception was .

Date: / / 78

Signed,

Chief Engineer KPOW
 Reception unconfir-Program Director
 med Other

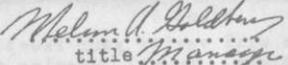
ROBT. WEIN

Station & Location _____	
We <u>Verify</u> Are Unable to Verify Freq _____	
The Report of _____	
Date of Reception _____ Time _____	
Station's Facilities _____	
Comments _____	
Signed _____ position _____	
KARL JETER	

WNAL-940
 NELSONVILLE, OHIO 45764
 "SERVING NELSONVILLE, ATHENS, LOGAN"
 THIS CONFIRMS RECEPTION OF WNAL, 940 KHZ,
 BY Paul R. Mount IN Teaneck, New Jersey
 ON October 30, 1978 FROM 5:25 pm TO 5:30 p EST.
 THANK YOU FOR YOUR REPORT.
 COMMENTS:

 SIGNED
 POSITION:

PAUL MOUNT

W H J B	Greensburg, Pennsylvania
620 kc/s.	1000 w.
<u>verification of reception</u>	
This will serve to verify the reception of WHJB on August 16, 1963, from 5:56AM-6:00AM, while WHJB was on regular schedule.	
(signed)	
	
title <i>Manager</i>	
RON SCHILLER	

CREDIT where CREDIT is due Dept.:

SP-Steve Ponder, Texas
 RP-Richard Pistek, Ill.
 PM-Paul Mount, Ohio
 NZ-Neil Zank, Nebr.
 WS-Wm. Schackner, Conn.
 MW-Marty Wright, Ill.
 RW-Robt. Wein, Calif.

MORE ON MEDIUM WAVE IONOSPHERIC PROPAGATION

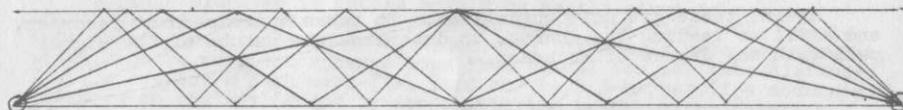
RONALD F. SCHATZ

This is the promised sequel to our previous article, Medium-Wave Ionospheric Propagation - A New Perspective, which originally appeared in the 12 June 1978 issue of DX NEWS and is now available as an NRC Reprint. That article was the first to approach the subject from the perspective of the MW DX'er rather than that of the common "SWL". That philosophy will be continued herein as we expand upon those same and additional basic concepts. The references therein listed remain the same for this work.

Refraction vs. Reflection

Are radio signals refracted or reflected by the ionosphere? Perhaps the best way to answer this debate is to review the three most common theories of ionospheric propagation:

- 1) The best known and most accepted theory states that the ionosphere refracts radio waves according to magneto-ionic principles, meaning that the earth's geomagnetic field and the type and density of electrons and ions in the plasma determine how the waves are refracted. This "magneto-ionic theory" is a definite advantage in predicting signal paths, where critical frequencies must be calculated; but its oversimplified, unrealistic model of ionospheric structure, consisting of "Chapman layers", is of little help when changes in the signal path must be analysed on a transient level, TXM being a case in point.
- 2) Another theory has been very popular among engineers dealing with the longer wavelengths, especially those returned by the E layer at night (i.e., most of the MW band and below), since it allows for accurate signal-strength measurements per the "Austin-Cohen equation". This theory states that the E layer is dense enough to reflect long radio waves, and since true reflection is involved, the signal path will consist of the algebraic sum of progressively weaker 1, 2, 3, 4, 5, etc. -hop paths to the point that excessive attenuation can support no more, as suggested below:



The reality of such a signal path structure has been verified on MW with the strip-chart recorder, but it is seldom possible to discern more than the first 3 or 4 hops in this manner.

- 3) The newest theory, pioneered by NASA scientists and independently by the author, deals with "ionospheric transfer" or "diffusive reflection". Basically, it states that, given the example of a single-hop path, every portion of the overhead ionosphere in common sight of both transmitter and receiver will contribute to returning, or "transferring" the signal, and not just a limited centralised area between them. This theory lends itself well to transient analysis, thus to terminator-transit mechanix. It will be explained in detail in Part III of the TXM series of articles.

The three theories given above lead us to a safe conclusion to our original question: It appears that either true refraction or true reflection has its respective validity - depending on the situation and how we wish to analyse it.

E vs. F2

Which ionospheric region/layer returns MW signals - the E or the F2? In the author's qualified opinion, either one or both, depending on the circumstances. This matter has been amply settled in the better texts, for those who wish to refer to them (c.f. New Perspective reference list). The question, rather, is which layer returns the signal for any given path and when. As a start, and very roughly speaking, some 75% of MW signals are E-layer paths, 5% are F2 paths, and 20% are combinations of both, this according to the author's strip-chart research.

Because of the myriad of factors and variables involved, there is no simple, nor even moderately complex, formula for determining when either E or F2 is respectively in control of a given MW signal path. The best we can do is to list some guidelines for the reader to follow:

- 1) Exclusive E skip is almost certain before local sunset and after local sunrise; i.e., both transmitter and receiver must be located within the dark half of the globe for F2 skip to be possible. Obviously, "SRS" and "SSS" are exclusively E-skip phenomena.
- 2) The author has yet to detect any F2 below 800 khz under any circumstances; it is extremely rare below 1100 khz, and then appears only on multi-hop paths. F2 is common only in the 1500's - sometimes!
- 3) Exclusive F2 skip is rare, generally limited to paths within 1000 kilometers and frequencies above 1450 khz. Low solar flux is also essential. § The chance for F2 skip is directly proportional to the number of ionospheric hops, since E requires more skips than F2 to cover the same distance.
- 4) E-skip signals peak at midnight; F2 shortly before dawn.
- 5) As hinted before, E-skip signals fade up at sunset and out at sunrise. F2-skip signals fade up about an hour after sunset and out an hour before sunrise.
- 6) "Auroral conditions" normally preclude the possibility of F2 skip on medium waves.

Again, these are only guidelines. It takes a strip-chart recorder, and skill at reading the charts, to determine the nature of the signal path with any degree of accuracy.

Absorption

There are two kinds of ionospheric absorption, deviative and non deviative.

Deviative absorption is loss along the signal path due to scattering or "deviating" from the straight and narrow. Bits of the signal "get lost" along the journey, much like grammar-school children on a field trip.

Non-deviative absorption occurs mainly in the D and lower E layers, where the signal loses strength by bombarding with gas molecules in this region. § In both cases, "loss" would be a preferable term to "absorption".

The 3 Freqs

The "3 freqs" of ionospheric propagation are the geomagnetic frequency, the plasma frequency, and the hybrid frequency:

The gyro-frequency is the "twirl rate" of an ionospheric electron. It averages 1400 khz but varies over a wide area within the broadcast band. Its wide bandwidth absorbs the extraordinary ray, leaving only the ordinary ray to return most MW signals. (This concept is as important to the average MW DX'er as it is understandable to him).

The plasma frequency is the natural frequency of interaction between the electrons and positive ions in the ionosphere. It reflects (not refracts) signals of its same frequency. A radio signal shot straight up into the overhead ionosphere will bounce back at the level where its equivalent plasma frequency occurs. It is also the secret behind oblique ionospheric refraction.

The hybrid frequency is a heterodyne of the previous two. Beyond the study of "topside" ionograms (i.e., those made from satellites looking down), just knowing of its existence is enough.

Ground-wave or Sky-wave?

Daylight MW reception is propagated almost totally by groundwaves, which are characterized by rock-steady signals (not withstanding Radio Caroline in rough seas), good coverage over salt water, and poor coverage in mountainous country. Ground waves also carry better and further on the lower MW frequencies, especially below 800 khz.

Sky waves vary in signal strength over a relatively short period of time (i.e., they fade). On MW frequencies, sky-wave propagation is normally limited to night and twilight hours.

Geographical Variations in Reception

All sky waves start and end as ground waves, just as an aircraft spends its first and last moments on a runway. Since ground waves travel best over salt water, a seacoast location does wonders. Good, reliable TA and TP reception is thus limited to about a 100-km wide coastal strip on respective sides of our continent. Note that those DX'ers who have achieved fame working trans-oceanic stations reside within these coastal strips.

The normal auroral zone, which falls north of Montréal, also limits trans-oceanic reception to certain geographical areas. European signals are thus generally limited to east of the Appalachians, or a line extending from Montréal to New Orleans; and a station in Norway is more likely to be heard in Miami than in Boston on any given night. Asian signals are similarly limited to the area west of the Rockies.

Horizon blockage is caused mainly by nearby mountain ranges, which cut off low-angle signal paths in their direction. The resultant signal is thus attenuated, since only high-angle rays get through, which require more ionospheric hops than normal for the same distance. E.g., a one-hop E path over flat land may be a 3-hopper if a mountain range is in the way (going by the reflection theory of propagation - no. 2 mentioned previously), and multiple hops are not conducive to strong signals. Cases in point are Lima and Santiago, which are regularly reported in California but rarely in Florida. Honolulu stations are also far weaker in North America than they should be, thanks to horizon blockage.

The same mountain barrier enhances signals in the opposite direction, since it acts as a reflector in such cases, Honolulu stations are much stronger than they should be in the South Pacific.

Seasonal Variations in Reception

The trans-oceanic DX season in North America extends from mid-August to mid-April, while stations in Argentina and Brasil are best received in mid-summer or mid-winter - two seasons per year. What are the phenomena behind these seasonal changes?

Thunder-static is not a direct factor; the noise may discourage DX'ing in summer, but it merely masks the signal rather than reduce its strength. § Another leaky theory suggests that summer nights are too short to permit a trans-oceanic path completely in darkness. In fact, the Lisboa-Miami path never experiences less than five hours

of total darkness at any time of the year, and in spite of the RTP's 24-hour operations on 666 and 1035 khz and a rather southerly route, the path remains all but useless during the "off-season".

Actually, DX seasons are a product of two closely related variables, both related to solar flux:

The solar flux index, a practical equivalent to sunspot number, serves as a measure of signal attenuation caused by the sun's dumping of protons, corpuscles, and other particles into the upper atmosphere. As a rule, only long-distance, multi-hop paths are notably affected, such as TA's and TP's. Good DX nights normally have SFI values under 100, while bad nights sport values over 160. The SFI is an overall figure, a mean value for the planet as a whole. The "18-after" report over WWV is the best source for this valuable piece of data.

But solar particles are not distributed evenly about the earth. Just as the sun affects seasonal temperatures by changes in the angle and duration of its radiation, so it affects the ionosphere. Solar particle radiation is a factor in ionospheric absorption. During summer the combined effect of intense, high-angle radiation and a longer period of it causes a surplus of particles to build up in the lower mid-latitudes then experiencing the high sun, while the opposing hemisphere has a corresponding deficit of corpuscles. As the particles take several days to dissipate, absorption continues throughout the nights of late spring and early summer. During late autumn and early winter the relatively "clean" ionosphere promotes optimum reception over long distances on east-west paths.

In March and September the maximum radiation is over the tropics. Particles building up in that area discourage trans-equatorial reception, and that is why there are two seasons per year for DX'ing lower South America and other areas of the southern hemisphere.

If the SFI is high enough, excess particles in the "summer" hemisphere may spill across the equator into the hemisphere then enjoying winter, a likely explanation for the mid-winter anomaly!

Seasonal variations in reception, then, may be attributed to unevenly distributed solar flux. An SFI figure of 120, as per WWV, may be effectively 90 in one hemisphere and 150 in the other.

Errata

It is not uncommon in scientific journals for authors to submit corrections to errors appearing in their previous works, and we shall continue the tradition here:

In New Perspective (now NRC Reprint "P23"), kindly ignore Figure one; it was drawn with transfer theory in mind and is misleading within the scope of its presentation. Also dismiss Figure 5 and the accompanying text on the plasma frequency for the same reasons. Please forgive our trespasses.

FLASH! FLASH! FLASH!

Provincetown, Mass. (NRC)...Veteran Editor Ernest Cooper's typer is ill and is being treated. Recovery is expected. The typer nearly succumbed after the typing of a Verie Signer list and two pages of Musings and was quickly pulled from service. A trusty dusty machine of old was immediately called into service, and Ernie completed the typing for the December 11 DX News issue. His friends at HQ were thankful for the perseverance shown by Mr. Cooper. To minimize any possible printing problems from the second-string typer, a couple of pages were retyped at HQ. A clever notice (?) was then placed in DX News, lest anyone wonder if the senior editor had flipped his wig. The members were asked to endure Mr. Cooper's typer's illness and keep sending in contributions to DX News. A tired HQ typist (who only typed two pages of copy) was heard to say, "if only those guys out there had to type all this, they would really appreciate ERC". End of NEWSFLASH.

MUSINGS

ERNEST R. COOPER
5 ANTHONY STREET
PROVINCETOWN, MASS.

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

ABOUT TO GRADUATE FROM THE SEMINARY

STEPHEN H. PONDER - Box 22635 - Fort Worth, Texas - 76122

11/19/78

Hallo again from Cowtown. It will not be much longer that I can say that - I will graduate soon from the seminary here and will move elsewhere (I hope!) Anyway, I've enjoyed my 3 1/2 years here in the Gateway to the West and will really miss the close friends and acquaintances that I've made while here. To mention a few of those who are NRCers, there are RON SCHILLER and ARTIE HIGLEY. Now to the DX: Not much to report, except a few veries that have been found in my mailbox--KRVN-880, KLAZ-1250 (ex-KALO), WHEF-1270, KFJZ-1270, KATZ-1450 & KROB-1510. All except WHEF were f/ups, and all of the f/ups were prepared cards except KFJZ, which was stationery furnished me by Ron Schiller. Now it's time for some clearing out of my logs, trying to get responses from all my hold-outs in my Fort Worth log. Speaking of hold-outs, I think the new column headed by Ron Schiller is excellent - all of us NRCers ought to contribute at least his most difficult non-verifiers to the column - it would help those of us who are not as experienced in the verification game. I'm leaving for the Thanksgiving Holidays a little early - I'm gonna spend an entire week with my parents and my girlfriend back in Louisiana - maybe I'll get a little DXing in, too. That's all for now - have a good Thanksgiving. 73 from "Turkeytown, Texas."

CONGRATULATIONS TO JEFF ON HIS NEW JOB!

JEFF KOSNETT - 9623 - Basket Ring Road - Columbia, Maryland - 21045

11/18/78

I've been inactive for the last six months, with most of my efforts directed to a new job and a new home here in Maryland. I'm working my way closer to my native New Jersey, though not necessarily by design. It's just that the newspaper business begets wandering, and I hope I've found my spot now as a business and financial writer for the Baltimore Sun. It's a morning paper, unlike the one in Charleston, so my hours are less conducive to DXing but otherwise better suited to one's health, rest, whatever - from about 10:15am to 6:30pm. I have been starting to get my logs in order for the winter season, and hope to be back DXing regularly soon. The other news to report was a chance meeting and a very enjoyable one with NRCer HANK WILKINSON of Santa Rosa, Cal. This took place on a United Airlines DC-10 from Chicago to Baltimore two weeks ago. Mr. Wilkinson was returning to his one-time home town of Baltimore for the first time in 27 years, unfortunately, to attend his mother's funeral. By a fluke, we were seated next to each other in the two seats to the left of the aisle, got to talking, and eventually, after about an hour, discovered how small the world is. I wonder how many other members I've run across without knowing who they are? Despite the circumstances leading up to his trip, Mr. Wilkinson was quite eager to hear about what had changed in Baltimore in 27 years, and of course, the answer is a lot. Nothing more to report - I will be back after I start tuning in a little. 73s.

NOW A CB'er AND A HAM BUT ALSO STILL A CB'er

BILL HUTCHINSON - 2412 Ellis Road - Baltimore, Maryland - 21234

Hallo to the Faithful. It's been a while since I graced these pages. I've retired the HQ-180 and put a new Kenwood R-300 receiver into service. It's fine for Domestic DX, and with the help of the Space Magnet, picks up the stronger LA splits. The weaker ones I just have to pass up. Last December I went on CB as KBCA0038 (Redeye) & then this past August got a Novice Ham license, and I'm now KA3BQP. As a result CB DXing has taken a back seat for a while, and with advancing old age, I have to pass up the MM DX sessions, and just go for evening DXing. (I'm now 58 years old, and ready for a nice rocking chair). But, twilight DX is pretty good. Some recent stuff is KRMI 740 @ 5:00pm on 11/11; then 11/18, WJIL-870 @ 5:13pm s/off with "Lord's Prayer" in song; then WJAM 40 @ 5:44 pm s/off w/"Relaxie." CHE, of course was on same frequency, but I heard a Latin also, which I could not ID then WJMN-920 was heard @ 6:11pm. WJL-950 in strong @ 6:43pm & WNDX 990 strong @ 7:20. Thanks go to JOHN CALLARMAN for a great job on the NRC Domestic Log - a lot of hard work by a fine DXer and a gentleman as well as a scholar. 73.

HAS BECOME A CONVENTION AFFECTIONADO

WARREN E. GREENBERG - 145 Cottage Road - West Roxbury, Massachusetts - 02132

I will most likely be at RAY ARRUDA's Sunday. I had a great time in Atlanta at the Convention and I am planning on attending the Convention in ST. LOUIS next year. I haven't had much time at the dials since the Convention. Since then I have only one new logging and verification, and that was from WICC-600 in Bridgeport, Conn. on 1kw. 73s.

AS YOU CAN SEE, WE'RE HAVING SOME TYPEWRITER TROUBLE HERE, AND WE WILL ATTEMPT TO DO THE REST OF MUSINGS ON A DIFFERENT MACHINE AND GET THIS ONE FIXED. IT STICKS WHEN I RELEASE THE CAPITAL KEY AND MAKES THE NEXT LETTER OR TWO COME OUT BELOW THE LINE. SORRY ABOUT THAT! BUT LET'S HAVE THOSE MUSINGS, GANG - NEXT DEADLINES ARE SATURDAYS 12/23 & 12/30, & MON. 1/8.

TWO YEARS IN BERMUDA - WHAT A LIFE!

CHARLES A. TAYLOR - NASA - Box 7015 - PPO - New York, New York - 09560/ 809-293-1435 (home)
 This is probably my first Musing since about /809-293-1142 (NASA sta.)
 1966, when I dropped out of NRC. To old timers, I am the C. Alan Taylor of Indianapolis fame (notoriety!), when Indianapolis was the hotbed of DX activity, with such other names as Dave E. Roys, Terry Liberty, and Charles Westenboffer. I was present at Indy-1962 and Louisville-1976. A re-intro: I am a charter member of IRCA, 31 years old, wife (Leonor) is from Philippines (Sorsogon, Sorsogon at S tip of Luzon Island); we have three girls and one boy. I'm a Navy veteran, with a tour in Vietnam and in Philippines (and other places), an electronics technician with Bendix Field Engineering Corporation (BFEC maintains and operates most of the NASA Space Tracking and Data Network), and we're currently in Bermuda. My first love is MW BCB DX, next is amateur radio (WDSINP), SWBC DX. Other activities are church work (Mormon), jogging, languages (Spanish, Portuguese, Filipino), and electronics construction/design. I have visited 45 states (includes Alaska), 19 countries, six provinces, and 39 of the 57 MW active Indiana counties, all from Indianapolis. Current heard totals are 1,452 from Indianapolis, 360 from Philippines, and 200 from Bermuda. Equipment is a Drake SPR-4, SM-2 and Palomar loops, Panasonic RQ-500 t/r, and a PFM/FSA setup built around a Heath IM4110 counter and a Monitor (Pasadena, Cal.) frequency standard. We're here in Bermuda for at least two years, then who knows where? 73 de Charlie.

HAS A NEW \$900 FROG

BRIAN VERNON - General Delivery - Mesa, YUKON Territory Dated 11/14; received 11/24
 The entire band has been dead these past few days, sometimes the DX here is unbelievably good, other times, nothing except the local CBDD-560 and CBDC-1230, LPRT's. A few changes noted up here though. The "Alaskan Forces Radio Network" which has a number of low-powered relays across the state, and also feeds some of the outlying stations, is now calling itself the "Alaskan Forces Satellite Network" though no change in programming has been noted. KSRM-920 has been playing a sort-of automated oldies rock format, together with some of the canned religious programmes. Also KFAR-660 is now off 5-11am EMT MMs, otherwise 24 hours, and has been new for some time. I have added one of those new "Yaesu" FRG-7000 receivers for about five weeks now, and although I have not had the opportunity to DX at any great length with a quality RX, I consider the FRG-7000 very good, except for the price; it's \$900 here in Canada, so it's quite an outlay. Maybe the "Realistic" DX-300 will be a better buy whenever it's available. I was very surprised with MARK CONNELLY's comment about WITS-1510, and their poor inland signal. They were noted here a couple of times in August! Somehow, I get a good skip from the EC every now and again. I heard an FF rr station on 1000 last week, so maybe the new GP for Rimouski, P.Q. is on now. The Northern Lights are dancing across our clear skies at the moment. They usually mean a dead MW band, but they're nice to watch, if you like that kind of thing. Personally, I could ----- Good DX to all.

BETTER VERIFY WSIW-1140 QUICK!

JOHN CLEMMER - 2937 West Gilbert - Peoria, Illinois - 61604
 The usually very stable Peoria radio scene is about to have a change. WSIW AM+FM in Pekin has applied for a change in call letters. Currently the stations simulcast and the format is BFL mx. WSIW AM, 1140, 5kw days, applied for WVEL. The station now sometimes IDs as "W-Velvet" so that is where they are getting the WVEL. It seems likely that the AM will continue to be BFL. The FM plans to switch to WULO. I called the station but they wouldn't tell me if they were going to switch formats. It seems likely the FM will go to more of an MoR-EZL format. That is only a guess, however. Very little DX here. On 11/17 an SS was heard on 540 @ 5:45-6pm u/KWMT. They seemed to play Caribbean style mx. No ID, however. Any ideas who this might be? I will have a whole month to DX around Christmas because of Winter break. I hope to get to Louisville and see TED FLEISCHAKER over the break. I hope to see a lot of you here in Peoria next August 24-26 for the IRCA Convention which will be held here. Good DX & 73.

TAKES TRIP TO HAWAII AND MEETS TWO NRCers

HANK WILKINSON - 5028 Maiden Lane - Santa Rosa, California - 95405 11/19/78
 I have done no DXing of late due to a nice trip to Hawaii. I visited the four major islands and was lucky to contact two of the three NRC members in the Islands. I had nice DX discussions with ROGER HORIE of Hilo and ARTHUR AMORIN of Waialuku. I was unable to make contact with GUY KULBEMER of Honolulu. Both Roger & Arthur were enthusiastic about long-distance BCB DX and both had good equipment. I have received two fine "Down-Under" series for some of my efforts in September. Verles in from 2NU-650 in Tamworth, and 2BY-660, in Byrock. Both are 10kw stations. Also, ABC sent me detailed copies of all the Australian ABC frequency changes taking place on 11/23. I'm anxious to see what these changes will bring - especially this Spring and Summer.

SOME FINE SSS DX IN FLORIDA

JEFF LOCKWOOD - 3131 El Prado Boulevard - Tampa, Florida - 33609 11/19/78
 More DX to report as my log has passed 200 heard (domestics only). KNX was heard @ 10:55pm 10/20 for the first time; verie in mail; QRM from KOPY w/FB game. 10/25-WMPS-680 @ 7pm; WAMI-860 7:10 w/s/off. KOMA-1520 is now a regular at SSS. WVOV-1000 and WQTY-1000 s/off's noted one right after the other @ 6:45pm 11/6. WGH-1310 7:30pm 10/15; WKKR-1310 5:30pm 11/13. GY DX on 1230 has turned up WAYX, WCNH, & WNVY. WLVK-850 5:10pm 11/8 o/WRUF. In my last Muse (Issue #3), by the way, that should be "85-RUF" for WRUF's ID. WSB-750 & WHYZ-1070 now fade in @ 4:45pm here; I was able to hear the end of the Georgia-Auburn game on WSB after hearing the start of it on WHOO-990 (via tape delay). (cont'd next page)

(Lockwood) I heard they were scalping tickets to that game at upwards to \$50; just shows you how much trouble some people will go to, hi. On Dec. 13 I will be going on a field trip to several chemical plants in Georgia & North Florida. I may be able to get some DX in then as well. 73.

THE NEW WDNV-1600 IS ON RS

JERRY BOND - 143 Burwell Road - Rochester, New York - 14617 11/19/78
 Well, the DX is starting to roll in so I thought it was about time I got a Musing in. First of all, thanks to everyone connected with the Atlanta Convention for doing such a fine job this year. This was my eighth Convention and I thoroughly enjoyed it, as I have all the previous ones. On to DX: 10/21 - WDNV-1600 in Dansville, N.Y. (40 miles away) was first noted @ 5:30pm. Their first day of operation was 10/20 and they are the first commercial station licensed in Livingston County, which is the county directly S of our Monroe County. 10/29- WVKR-1310 heard easily @ 12:48am, CKDK-1340 in @ 1:35am for new call & CJVL-1360 noted with ID @ 1:01am, one minute after setting my clock back an hour to EST. Later in the day WZZD-990 made it in for the first time ever @ 4:14pm. Unn, but rarely heard WCHE-1520 came in with WKBW nulled on my Sanky portable @ 5:12pm & KCMO-810 was in unusually loud @ 6:19pm way o/WGY. MM 10/30- WSKI-1240-TEST made it in real well w/ TT & SIDs. 10/31- TGW-640 R. Nacional in very well @ 11:57pm. 11/1- YVNP-1000 R. Mil good @ 12:03am. 11/4- WBAM-740 noted testing @ 1:37am, WKWK-1400 in with 14-WK ID @ 1:44am & CHYM-570 in @ 2:11am. 11/5- This was a real good SSS night with the Deep South & plenty of SS stations in. Unn WHITE-1320 was noted @ 5:19pm, WKLS-970 (96 Rock) was in real clear @ 5:25pm & that brought back memories of the Convention, WDDO-1310 in @ 5:28, WVIC-1320 was heard @ 5:29 w/soul, unn WXTN-1000 was noted @ 5:59 s/off, HJHJ-1040 was in @ 6:03 w/frequent mentions of Colombia & Barranquilla, 4VEH-1035 in with evangelism program @ 6:04, & YVTA-990 was noted with R. Tricolor ID @ 7:59pm. MM 11/6- Unn WSSV-1240 good w/ID @ 12:42am, WJEJ-1240 good @ 1am s/off & YVRS-1020 in @ 1:10 w/lively mx & R. Margarita ID. Later in the day, the SSS DX proved to be very good & new stations noted were WKBX-630 @ 5:26pm, KPFD-1580 Ark. @ 6:13pm s/off & 250W KPCA-1580 from 6:15 to 6:19pm. KPCA came in with such a steady, readable signal that I find it hard to believe they are only 250 watts. They had a NXCast on while I was listening to them & they made many mentions of Marked Tree & Arkansas. According to the SRS/SSS maps they should have signed off @ 6pm but they were still going strong until at least 6:19. More next time.

SANTA VISITS THE NRC CONVENTION

BILL WURTZEL - 32 West 31 Street - New York, New York - 10001 212-594-4892 11/20/78
 Recent late night DX includes WOL-1450 again from D.C. w/its Saturday night Disco Show. Since I am not a Disco afficianado, I am a Rock-n-Roll Desperado, and did not listen. I was using a Sanyo AM-FM cassette RX model M2402A, a recent acquisition. I thought I heard a FF station u/WOVO-1190 11/19 @ 2am; probably Charlottesville, P.E.I. (They're 100% EE, Bill - ERC) The Saturday Night Jamboree on WWA-1170 came in loud from Wheeling, w.Va. MM 11/20 I had a nice signal from WERE-1300 Cleveland with the Larry King Show. Were you listening to WERE? Under WKBW-1520 I heard a southern preacher on a religious program, possibly KOMA in Okla. City. I'm writing a lot of words to radio station call letters which are funny. An example of one is: WEVD- We Enjoy Veal Dumplings. Another one, WNEW- We Need Extra Women. Anyone else doing the same thing? Now for the Christmas season, here is a poem telling about what really happened at the NRC Atlanta Convention. And I wasn't even there!

AT THE ATLANTA CONVENTION

- | | |
|---|---|
| 1/ At the NRC Convention in Atlanta
A DXer was drinking a Fanta
Suddenly the lights went out
Everyone began to shout
When they came on they all saw Santa. | 2/ He was making an early appearance
Because he had a DXer's clearance
In his big bag tied with bows
were TRF transistor radios
Guaranteed to be free of interference. |
| 3/ After the gifts were given out
Santa Claus started walking about
Doing some fancy footwork on the rug;
He walked up to ERNIE COOPER
And said "The job you are doing is super"
Then he gave Ernie a big hug! | 4/ He told all the DXers from NRC
Each one of you makes me merry
I will do a CPC test from the
North Pole
It will be a blessing and a prayer
To all the NRC DXers out there
God bless and keep you well every
single soul! |
- 73's & it's time for bed. Happy Holiday to all.

AURORA COMES TO WASHINGTON

BILL TOWNSHEND - 4500 Connecticut Avenue N.W. #901 - Washington, D.C. - 20003 202-966-8046
 Greetings from Redskinland once again. I got a v/l from WMAQ-670 exactly one week after my midday reception of that station. I even got my SASE back unused, so I can use it for some other QSL. I now have 717 stations heard in D.C. area, including 78 foreign-ers as of 11/15. On that Wednesday night, between 8 & 9pm, these stations were "Aurora-ed out" completely: WNEC, CBF, WLW, WGN, CKAC, CHL, WJR, WBEM, CKLW, WHAS, WCBS, WLS, WINS, KDKA, WHN, WTIC, WNEW, WJVD, WHAM, WOWO, WGAR, & WPTX. The barely audible stations were: WMAQ, WOR, WGY, CJBC, WJVA, WKWV & CBE. The weaker-than-normal stations, though readable came from WABC, CBM, WCFL, WHO, WIBC, WJNE, KMOX, WCAU, WCKY, & WXXR. Only WEZ, KYW & the clears to the S, WSM, WBL & WBT & WLAT came in anywhere near normal. WX is still warm here, 68 yesterday, 11/18. No killing frost yet. Eat your hearts out, you in the Pacific NW!

SAYS DAYTIME STATIONS CAN'T DEDICATE TESTS TO DX CLUBS
PHILIP BOERSMA - 15570 Cleveland St. - Spring Lake, Mich. - 49456

Ernie's query at the end of my last Musing about possibility of a DX TEST from WKJR-1520 is the subject of this Musing. I have known the CE of WKJR for a LONG time, he's my age & I went through school with him. Mark Kowitz is a very conscientious person, & if it were at all possible to dedicate a TEST to NRC, he would do it. Which is the point I would like to make; it is not legal, according to FCC rules, to put a station on the air (especially a daytimer) in the early morning hours, with daytime power & pattern, solely for the purpose of broadcasting a program dedicated to a DX Club. The experimental hours of midnight to 6am local time are to be used for ETs, PoP tests, etc. - i.e., tests of a broadcast plant. Mark puts WKJR on the air after midnight ONLY when absolutely necessary to insure continued proper operation of WKJR. He also does the PoP test once a year, around May & he will give me ample notification before next year's proof. But any station that signs on with daytime power & pattern during nighttime hours (after midnight included) for the sole purpose of "seeing how far out our signal will reach", or for the purpose of broadcasting a DX program, risks a fine. Stations which put in "plugs" for DX clubs as commercials, which are prohibited during ETs. I hope this Musing gets a few people thinking; WKJR was contacted a few years ago by the CPC on one of the BCB clubs, Mark showed me the letter. In effect, it asked the CE (then Phil Waite) to sign the station on after midnight, put in plugs for the Club & "see how far out the signal will reach" - all of which are not legal! I advise the CPCs of both the IRCA & NRC to avoid asking stations to risk their necks for special TESTS, it does make the clubs look somewhat ignorant. At any rate, I will advise you before next year's WKJR PoP, & try to work in extra IDs during that PoP. WKJR will verify any accurate reception reports they receive. 73s.

WE WELCOME THIS NEW MEMBER AND INVITE HIM TO MUSE REGULARLY

RICHARD H. TROYER - 13130 Wooster St. N.W. - Massillon, Ohio - 44646

Hi everyone. This is my first Muse so I will introduce myself. I'm 30 yrs old, single & work at an iron factory. Totals: 775 stations, 43 states, 9 provinces & 7 countries. Radios are a Hammarlund SP-400-X, an SP-600-dX17, & a TRF. Antennas are an NRC Loop & a recently constructed 1600' Beveridge. My friend Art Berg help me on this which was quite a job. This antenna is pointed NW. I ran through a woods & is not terminated. Although this isn't the perfect Beveridge because of good ground conductivity it does work. My first MM on the antenna, 11/20, 1:45am found KEX-1190 for my first Ore. station on top w/heavy snow & blizzard conditions, NX & WX 2-2:05am. Then they said "Northwest News comes first with KEX." I spent most of the AM listening to him & trying to get a verification. 2:50am found WABC testing & I heard KOB-770 w/c/w & NBC NX @ 3am & WX @ 3:05, hi temp 58°, low 28°. I also heard unID KFBK (??-ERC)-1530 like a local w/talk program @ 3:15am. I checked back for KEX @ 3:17am & found him still way atop. More on this antenna & other DX later.

HE GETS SOME SS STATIONS ON HIS CRYSTAL SET

MIKE TUGGLE - 909 Moores Mill Rd. - Bel Air, Maryland - 21014 11/22/78
Before any more time slips by, a hearty thanks to VERNON SHEARER for his reminiscences in Mothball Memories. Being quite interested in early radio, I found these to be the most enjoyable ever. I sure wish I'd been around in those days--knowing what I do now, hi. Couple of items in the bad NX department, one is learning that WASA-1330 plans to go nighttime, 500w. It may not sound too bad, but w/a crystal set & limited selectivity, every little bit hurts. The other problem is the terrific buzz set up by a defective street light, especially on the low end of the band. I am still in the friendly negotiation stage on getting this one fixed, but sharpening the axe, just in case...The other crystal DXer in the unsigned Muse an issue or so back is CHARLIE BARFIELD in Florida. I talked w/him on the phone the other day - I hear he's mopping up on just about every country in the Caribbean area. A few bits of recent DX: 10/28 - WKBX-630 came blasting in 7:19-7:30pm w/Ga.-Ky. FB. At first thought I thought it was local WMAL- weird that they should carry Ga. FB, so I stuck w/them until ID & pattern change @ 7:30. Verie back in a couple of weeks. 11/16 - CX AU, an S8er on 820 around 10:30pm w/lots of ads & mentions of Habana--has CMCA raised their power from 1 kw? Also SS on 760 @ 10:45pm even w/WJR. I thought O jeard "Barranquilla" mentioned several times. Morning of 11/18 @ 6:30 on 540 w/nice signals was KEWA with mentions of Mexico & ID "Eh-kees eh doh-ble ooh". Is this right? I thought SS "W" was Doh-ble yay"? In the eve WJWJ-950 in nicely for first time @ 10:25pm. w/"NX-95 Report". 73s.

WELCOME TO ANOTHER NEW MEMBER & WE HOPE HE TOO MUSES OFTEN

SCOTT PARKER - 2104 Harrison Ave. - Muskegon, Michigan - 49441 11/22/78
Since this is my 1st Muse, I'll tell you a little about myself. I'm 21 & have been BCB DXing for 3 years. I listen on a Realistic DX-160 w/an inverted L antenna of 65'. My U.S. totals are 165 stations heard, 32 verified; I've heard & verified 4 Canadian provinces. Now that I have a Domestic Log I hope to increase those verified totals. Verie in from WAKR, 1st verie in a long time. I heard WHOP-1230 at 2:17am 11/18, the longest distance for a GYer for me so far. I also heard LARRY WILD's SS station on 530 kHz. I listened for over an hour & didn't hear any ID. So long for now.

WE NEED MUSINGS! BE A PART OF THE LIVING NATIONAL RADIO CLUB - CONTRIBUTE!

LOTS OF NEWSIES - LOTS OF VERIES

JOHN HOOSERHIDE - 105 Bayside Lane - Brandenburg, Kentucky - 40103 11/13/78
Good DX continues on my push to the 900 level. WFRS-1440 atop @ 9 am. Aural into Ga./Fla. - KLTR-1580 s/off-SSB @ 6:30pm, then KEAT-1360 w/SX call-in show @ 6:45 & WTCO-1290 w/CBS NX @ 7. So, eight new ones today. 11/14 I had KZRX-1540 w/Ark. Razorback FB announcement, 5:50pm. KNDY-1570 @ 6:10. We visited w/LADS group ENLY & hope this will help in a v/q. KNDY s/off @ 6:15. Then KOLS-1570 s/off-SSB @ 6:18, leaving XERP & a group of Texans. ZNS atop 1540. KWSH Feeca & KWHE Hutchinson fighting it out on 1250. Reloj Nacional-760 Havana 8pm, very loud. ZDK-1100 w/EE NX @ 9:05; 11-15 ELMS-1480 Lincoln 7pm & KYSA-1220 6pm s/off-SSB & Cuban on 1190, 7pm, all new, for 899. QSLs in: WERJ, KNOX, CKOC, KWAO, WSHY, WQIZ. 11/16 - WYAD-1190 s/off, no anthem, 5:45pm, 900 logged. KSOH-1050 6pm s/off. KPVI-1050 late s/off @ 6:20, KEUF-1050 6:30, all new, also KPMJ-1050 on tape @ 6:10pm - what a catch - four new ones in the West in 20 minutes on 1050! 11/17 - QSLs: KDFN, WADC & WXLW. 11/17 - WJUT-1540 s/off 5:30pm, no anthem. Texas was in nicely on 900 kHz - KALT s/off 6:15, KIKR s/off 6:30, KPFL s/o f 6:45, reports out to KALT & KPFL. With CX so good into the Texas Panhandle I thought Santa Fe, 50w on 810 might just sneak in but only WGY mixed with R. Bahamas, w/fume NXCast for nice log. 7pm, Cuban was off 600 tonight but only Memphis, Winston-Salem & Cedar Rapids were noted and a very weak SS. I hope they stay off a while as 600 is a very bad frequency here. They were back on @ 11pm check so they were off only briefly. Costa Rica, TISHRB-1125 @ 11:30pm; Honduras-944 @ midnight & a Costa Rican on 875 @ 12:10 w/Banco Nacional de Costa Rica, R. Monumental I'd guess @ 12:20. Any ideas who this could be? I'm up to 913 now. In just about 28 hours, 14 new logs. 11/18 - QSLs: WMAX & WHPD on third try. At long last, KCMO-810 w/Neb.-Mo. FB @ 5:50pm. I can't understand why they weren't logged before. Trinidad again in on 730 @ 6pm w/EE NX. KWEN-1320 well atop @ 7pm. Veries still in at 70% rate, 914 heard, 526v.

DX IS CAPITAL IN WASHINGTON

TOM BULL - 2544 Naylor Road - S.E. - Apt. 202 - Washington, D.C. - 20020 11/21/78
'Tis with a sad & aching heart that we check in this time after what St. Louis did to my beloved Skins Sundg. When I think of what Dallas is going to do to them Thanksgiving, it puts me in a fowl mood. On the cover of the new NRC Log - how far back does WPEC Standing Tall in Minneapolis-St. Paul go? I don't remember this one. (They were on 980, Tom, some years back - ERC) As to what's been noted: 11/14 - 1:18-3am, KUOM-770 Minn. noted with tones, several IDs, report sent. UnID SS on 620 3:10-3:30am, very low key, claims type of ID @ 3:26, 3:27 & 3:28am, definitely not Havana. 5:29pm, WGT0-640 unID, no SSB. 11:39pm, Costa Rican on 575 with fantastic signal. 11/15 - 1:32am, R. Sonora-675 super strong: 1:47, 2:02am, WVOX-690 Ala. w/ET; 2:57, on 775, unID Latin noted here quite often, always weak, very bassy; 3:06am, CMJN-780 wiping out WBBM. 11/16 - 4:07pm, 840, super strong Latin turned out to be unnn WRFM, Conn. in SS prior to s/off in EE who SSB. 5:14pm, 860, unnn WFM0, N.C. s/off w/brief Como "May the Lord Bless" etc.; 5:30, 860 news for us, WLEB, S.C. s/off, no SSB. 11/17 - 4:48pm I got tape on WGTL-870 N.C.; 5:17 unnn WILA-1590, s/off w/no SSB. Still on 1580, newsies WPUV, Va. s/off 5:17, no SSB, & WBER, S.C. woman WNK. Then another one of your PICON things - 5:46pm still 1580, unnn WXTY, Ala. s/off with tirade about being forced off air at this time and the money they had to spend on FM stereo XR. 11/18 - 12:00am, 1590 newsie WCBG Pa. briefly, then @ 5:44 a small milestone for us as we reached the 600 mark on tapings with s/off, no SSB, of WLLJ-1580, Tenn. We broke out a bottle of bubbly we had been chilling for the occasion. 11/19 - 1:14am, WBO-1040 still on w/FB, no break at halftime, not even for commercials. Players must have got pretty tired? UnID Latin here with unending McR or EZL mx, no breaks twixt numbers - who he? I'm running outa space before I intended. We wanted to use the remainder to wishacne and all a very Merry Christmas and a Happy New Year filled with DX & all other things that are good. As usual, take care. I found room for a line or two - 11/20 - 1:04am, WTIC-1080 gone, who had the TT here until at least 1:29am, w/no ID? We gone now!

MA BELL FURNISHES AN ANTENNA FOR ALLEN

ALLEN W. LUCKEY - 26 Gene Avenue - New Castle, Delaware - 19720
Not much new in Statiand lately. (Yes, the local power company is still my strongest local, hi). I was playing with my antenna system (?) as of late & remembered someone had tried using Ma Bell's lines as an antenna. I tried it & noticed a considerable improvement in signal on some channels but less improvement on others. Stations in the E/W directions were most improved. My telephone drop is xming at a 90 degree angle to the LW so it would seem that I've obtained another LW antenna the easy way. Local electrical noise seemed to be about equal on the Ma Bell line. I've regretted selling my Hallcrafters SX-130 ever since I moved into a house so I came up with a few extra bills & bought an old Hallcrafters S-120. The BCB on this EX is almost unusable for DX as the selectivity is extremely poor but it still gets me on the SW bands. When I can afford a better General Coverage RX, I may give it to my son to get him interested in DXing. All for now. 73s.

CAN SOMEBODY SHED SOME LIGHT FOR J.H.I.

J. H. NEVES - 3961 Colby Way - San Bruno, California - 94066 11/21/78
Greetings & Happy Thanksgiving to all members from San Bruno. I need some help. In the street where I live there is a street light that is a mercury vapor type that goes on with a timer. I use a R. West modified FRG-7, an SW4A, TRF, etc. On the room where my SW4A is located (closest to this light) I get a bad buzz when this light comes on. I use an LW & the leadin is 20' from the wires feeding the street light. It definitely comes from this. My thanks to RANDY TOMER on his advice in using a ground on my FRG-7 on MW when hooked to an LW. Now I get stations that by unhooking the ground aren't even audible. It really helps the Frog on MW when you're using an LW. Try it! You'll like it! 73's.

BREAKS ELEVENTH COMMANDMENT

TERRY L. KRUGER - 84 Winter Park Drive South - Casselberry, Florida - 32707 11/23/78
Latin American DX continues to roll into Central Florida while band CX elsewhere are unusually poor. A few things to get down to: firstly good luck to STEVE KENNEDY on his new position at WAFR (inaudible here due to WAKA, Gainesville). Also, welcome to Orlando BROCK WHALEY, the latest on the revamped WORJ-107.7 staff. Brock promised to Muse when I called him at WORJ - don't break that promise! In a less important event, I committed a sin by breaking away for a few hours from international DX, & with some results. I had KKYH-850 11/12 @ 6:20pm in, I swear, English with Hindi ex, ID, & s/off. Can anyone shed light as to what this was for? UNID-1370 11/14 9:02pm w/CBS NX u/WCOA, & five second delay. KOMO-860 11/21 proved to be the best catch of this bunch 1:14-2:05am o/XEUN w/"86 KOMO" IDs current chart rock, Penzoid ad. If KOMO is still 1,000w nights, a verie would be cherished. WING/WUNI-1410 11/19 1:15am trading off, & lastly, SSS, WMTS-810 11/21 5:15pm way o/ZNS3. LARRY WILD's UNID on 530 is the powerhouse Costa Rican #R. Rambo, usually varying 527-529. The Costa Ricans are cooking as I type this; several are running commentaries and the like regarding the military confrontation a few hours ago along the Nicaraguan border. Could the thing develop into the same category as the Soccer War of El Salvador and Honduras, I believe in '69? I hope you all had nice Thanksgiving, & if I'm not in here before 1979, Merry Christmas & New Year's to all NRCers. 73 & all.

INVITES YOU TO HIS COUNTRY

CESAR OBJIO - Calle Enrique Henriques 69 - Santo Domingo, Dominican Republic
Hi again. Very rare for me to Muse again so soon, but there is good news. When in the Atlanta Convention I met GLENN HAUSER who asked me some questions about R. Clarin, Rudy Espinal, etc. I told him I could investigate for him & let him know. I did and sent him the information which was highly publicized, so much that some kids in the Dominican Republic heard it through R. Naderland. They are the members of Santo Domingo DX Club. Imagine their surprise and mine, for them to know that there was an older and more experienced DXer than they are in their own country, and for me to hear about a DX club in the Dominican Republic. They found my name in the telephone book, called me and arranged a visit. They came to my home and we had a long talk all about DXing. They were overjoyed with their enthusiasm. When they read my SS translation of NRC information to broadcasters they liked it & asked me to permit them to make copies for delivery to stations, I said yes, & they took it with them, they are going to help with this. The club has seven or eight members but they are all 20 years old or younger and none of them works, for DXing they use portable radice & not all of them have one and don't have the money enough even for a subscription to a real SW club. At once I became a member of the club with the intention of helping them the most I can. Communication receivers are not sold in this country due to the high price plus custom duties higher than the cost of the receiver. Yes, RON SCHATZ told me about his coming to the Dominican Republic around Christmas. I hope some other DXers will be interested in coming for just a get-together and meeting the new DXers' club, hi, some information about this country is mailed to HQ, I hope they will print it just for you all to know about it & perhaps will decide to come down here and enjoy a tropical Christmas. Plane reservation has to be made in advance as many Dominicans from New York, Boston, Miami, etc. will also come as usual and it is difficult to get a seat. I hope to see many of you coming, I will be waiting. 73's.

KEX-1190 MOVED LOCALLY RECENTLY

BILL HARANG - 811 Nevada Avenue - San Jose, California - 95125
In his 11/20 Muse, BILL HALE mentioned that he worked for KFLJ-1240 Mountain Home, Idaho from 1966-1971. I wonder if he knew Dick Scott, the CK over there. My v/l from them in 1971 has him as the v/s. Of course, with a name like Dick Scott, it could be a pen name or an air name. KFUD-860 & KIUP-930 both made it here. KEX's PD Eric Norberg informs me that they have moved from their old location at 5th & Lincoln in Portland to a new location in the new Golden West Broadcast Center a mile S of the old location. I had the pleasure of visiting Eric in the Summer of 1977 at the old KEX location. This Summer, when I flew into Portland, the KEX XR was clearly visible along the railroad track. KEX signed off @ 10:10pm PST on Sat. 11/18. The new facility has nearly three times the room of the old facility. KFX is running non-directional for a period of time around midday & in early afternoon on Fridays to conduct nondirectional field strength measurements. On one recent occasion, they were ND almost till sunset, but have received no DX mail from that date. Meanwhile, it's raining here. But up there, it's snowing. Seattle, a city which is no stranger to rain, was host to seven inches of snow yesterday, the 19th. Even the Olympic Peninsula lowlands of Washington, a seldom host to snow, had one foot of snow in many parts of the lowlands. Happy Holidays to all!

WE WELCOME STILL ANOTHER NEW MEMBER AND AGAIN HOPE HE'LL MUSE REGULARLY

Greetings everyone - this is my first "Muse". I'm 15 years old & a sophomore at Killingly High School. I've been DXing since 10/30/77 & have heard 455 stations (375 U.S., 91 Canadian.) I mainly listen for domestic, though lately I've been "casually" trying for some foreign MWers. My receiver is a Realistic TRF with a 2' loop & a useless 60' LW. I plan to build a tuner for it someday. I am a member of the IECA since 4/78 & through encouragement from ERNIE COOPER here, I joined the NRC. Ernie, do you think you might be able to write a nice letter to WVLC asking politely of course if they would increase power for a day to 600kw so I can log them? (Hi). Well Winter has arrived here in N.E. Conn. with 1 1/2" of snow on 11/21. Our first snow of the season, makes you remember the blizzard back in Feb. when we got 29" of snow with 4' drifts! Time to hibernate & DX, hi! 73a. (Sorry, Bryan - here's his name.)
BRYAN LEE - Box 69 - Brooklyn, Connecticut - 06234 - this should have been atop this message.)

MOVES TO A NEW LOCATION NOT SO GOOD FOR DX

TIM KERFOOT - 189 Cedarvale Avenue - Toronto, Ontario - M4C 4L1 19/11/78
Please note my new address. Unfortunately this seems to be a very poor DX location - of course DXing & apartment living just aren't compatible. DX from my old location: 10:30 - KQYN-1210, 7:30pm, generally u/WCAU. 10/31: KSOO-1140, 6:16pm, o/WETA at times. KPHL-1300, 6:45pm. CMJG-1270, 9:30pm. 11/4: WAME-1480, 7pm, unbelievable signal, QRM'd only by WEDW. 11/6: WDXE-1490, 7pm, surfaced for ID, then under again. 11/8 - WFUN -790, 8:36pm, WKEE-filled on TRF. Recent veries: WHEL-1380, WKCY-1300. Henceforth DX will probably be restricted to the occasional weekend at my parents' place. It looks like my entry to Contest #1 was either delayed or lost in the postal strike as I had feared, as apparently JOHN KROMKA did not receive it. 73.

CANADA WILL RAISE POSTAGE RATES AGAIN

ANDREW F. RUGG - 568 De Gaspe - Apt. 408 - Ile des Soeurs, Quebec - H3E 1H9 VE2AQP
Not much to report. My penchant for PCB DX has always been cyclical, and lately it seems to be waning. Also, my crummy job has kept me hopping. CBM-940 moved their XR from distant Marieville to nearby Brosward (just across the Pont Champlain Bridge). Now I get all sorts of spurs that I never had before. Perhaps CEF-690 also moved, because they are spurring too. Pity. Canada's postage rate will rise to 17¢ in the Spring. My only DX was on 17/10, when I snagged WMMW-1470 on their third Tuesday r/c-TT @ 12:10am. At 12:13 I think I heard an ID. At that moment, I was distracted, and the ID went in one ear and out the other before I realized what was happening. Fortunately, they verified my tentative report. Out of curiosity, I tried for them again on 21/11. Local CKO-1470 was on late with NFL FB, but somebody's TT cut right through them (marginally mailed) @ 12:11 and 12:12. I guess 'twas WMMW. JOHN FELTMAN: CHOO-1390 still is in Ajax. Eeewer, Ajax is part of the "Regional Municipality" of Durham, & isn't too far from Durham County. That's why they mention Durham. That has nothing to do with the distant town of Durham. Next time I hope there will be more DX in my Muse. 73.

TWO HAMILTON STATIONS GET 50kw FULLTIME

DAVE WHATMOUGH - 284 Main Street W. - Hamilton, Ontario - L8P 1J8
I guess it's about time I Muse'd after an absence of nearly two years from active DXing. I still haven't got around to connecting the old Hammarlund HQ-100 up to the loop so all DX has been done on a portable. 10/16 - KFUD-860, I heard one or two IDs u/KOA & WJNC also testing. Reports sent to several semi-loops for call changes, etc. - WREK-1660, CKDK-1340, CJJD-1280, WNWG-1460 who ID as JWG-1600. I guess by now you all know that CHML-900 is running 50kw. Fulltime since about 9/20, from an eight tower array 27 miles West of Hamilton. Some more bad news is that CKOC-1150 has ten new towers up 25 miles SE of Hamilton, and CE Les Horton says they should be on with 50kw. by the end of December - they'll use five towers daytime and ten at night. No word yet of CJJD increasing to 50kw, but I have heard a rumor that they will be within a year or so. It was nice to see so many members at the Atlanta Convention which was where I started my two-week vacation working my way across the Gulf Coast to as far West as Galveston - visiting about 125 radio stations along the way. One of the interesting ones was WPMF-1580 Pascagoula, Miss. who were awaiting delivery of a second tower, as they were increasing power to 5kw, and going DA. They said they would likely be doing some testing several nights this Fall. If all goes well, I'll try and Muse again this season - if not, I'll see you in ST. LOUIS.

FAMOUS OLD CALLS KIDO-630 CHANGED BACK FROM EMMA

JAMES E. CRITCHETT - 1635 Walbridge Street - Red Bluff, California - 96080 11/21/78
My 10/31 DX report, printed in the 11/20 DX NEWS arrived here today, so I had better get another report off to Ernie. New station call letters keep being heard, adding to my heard number log. I kept trying for KEMA-630, Boise, but I see that they are granted KIDO back again; EMMA was never heard. Thurs. 11/9 @ 8:17 on 1150, KAGO said 24 hours; but not a regular visitor here. I realize that I am not the only one to hear CKAL-1050, Vernon, B.C.; but I did hear them Mon. 11/13 @ 8am. (I thought they said CKOW). They s/on @ 8am Mon. 11/20, minus 11 degrees Celsius. To correct JOHN CALLHARRAN's log, on 1250, KEMS, Santa Barbara, Cal. is not 24 hours NSP; signed on @ 8:30 Tues. 11/14; off at 5:30 nightly except for 6:05 Sunday mornings. My latest new Cal. station is KNCO-1250, Grass Valley (in Nevada County) heard Tues. 11/14 @ 9:24; better @ 5:06pm same day. Latest call change was KISU-1290 (Idaho State University), ex-KSNN, ID @ 8:20 Thurs. 11/16. The latest new Canadian was CKIQ-1150, Kelowna, B.C. ID @ 8:20am Fri. 11/17 on top of 1150. KEX, Portland, did not come on at 5 after their silent period 11/19. Instead, with roosters crowing, my latest Mexican XEMBC-1190, Mexicali, B.C. signed on @ 7:57; still there at 9. MM 11/20 KPAY-1060 gave the NBC NX @ 8:05. Same date, on 1410 there was a TTR o/KEEN which I'ded @ 8:40 as KRLJ, Carmel, Cal., then signed off. KMVC came on @ 8:55. Tues. 11/21 @ 8:01 on 1290 KISU signed on with 1,000w. The new NRC Domestic Log arrived Nov. 6, & I bought a National 64-061 binder for it. It was an immense amount of work, and I am grateful for it. A little early, but best Season's Greetings with good DX to all.

HERE ARE THE NEXT FEW DEADLINE DATES FOR "MUSING'S OF THE MEMBERS" - WITH TWO CONSECUTIVE POSTAL HOLIDAYS ON MONDAYS, THE NEXT DEADLINE DATES IN PROVINCETOWN ARE SATURDAYS, DECEMBER 23 & 30. THEN, WE REVERT TO THE CUSTOMARY MONDAY DEADLINES WITH MONDAY, JANUARY 8, AND EACH MONDAY THEREAFTER THROUGH MARCH. WE WANT MORE MUSING'S, AND WE AGAIN ASK MORE OF YOU QUIET FOLKS TO JOIN IN WITH THE NOISE-MAKERS. BECOME A PART OF THE LIVING NATIONAL RADIO CLUB! WE'D ALSO LIKE TO REMIND YOU WHO ARE RECEIVING VERIES TO SEND US THE SIGNERS' NAMES, PLEASE!

NOTHE ALL MEMORIES

CHAPTER XIV - "OLD FAITHFUL"

-by ERNIE COOPER

Since we had to revert to our old old typewriter for this issue, the thought occurred to us that truly if this machine could talk or type by itself, it could tell a lot of old memories of the earlier days of the National Radio Club. We first apologize to ANDY RUGG whose M.M. we promised for this issue, but we'll feature it next week for sure. First, this machine is an L. C. Smith standard with a right-hand throw, and was purchased from my first office when I worked as an office boy, in about 1939, for \$15.00. At that time, it was considered a piece of ancient history, a veritable antique even then, so you can get some idea of how old this typer is. It served as the official "typeslider" for Musings of the Members from 1946 until around the time we went offset. If the number of typing errors made by these fingers on this machine could be totalled, we'd be dreadfully ashamed of our skills! When we used stencils and mimeographing, to make corrections, it was necessary to use a foul-smelling correction liquid, and every time I'd open the bottle, I'd get to coughing, choking, and sneezing! So we finally just abandoned that form of torture, and merely struck over the errors (that we caught, that is!) a little harder so as to be legible. It was in this era that your Editor was known as Lefty Cooper, and towards the end of this time, during the reign of the "BAD Guys" - the Boston Publishing Committee - that the term "Hefty Blooper" was born for use in our April Fool annual hilarity. We figure this machine typed out the Musings for something around 900 issues of DX NEWS, and if we averaged eight pages per issue, that would amount to about 7,200 pages of Musings, and with an average of four per page, that would come to around 28,200 Musings done on this old solid-iron machine. So, it is with much nostalgia that we pound this old keyboard once again for DX NEWS, while the present machine is being repaired and sharpened up for the, hopefully, long road ahead. The keys have been used a long while and are somewhat dulled and don't make too good, sharp letters, so we hope you'll forgive the appearance of these words for an issue or two. Next week, ANDY RUGG.

HERE'S ANOTHER HEARTY WELCOME TO ANOTHER NEW MEMBER. MUSE OFTEN, MIKE!

MIKE McKENNA - Box 426D - RD #1 - Hockessin, Delaware - 19707

I am overdue for a Muse, so I thought I'd better add to Ernie's typing load. An intro: I am a chemist, 35, and married with a one year old son. I have been interested in DXing for a long time, but it has only been in the last couple of years that I acquired an HA500A and an 8M-2 and joined the NRC. I have logged 601 stations in 35 states, three provinces, & 22 countries. I do not collect veries because I only have limited time available for DXing, and I'd rather spend it at the dials than playing secretary. On to DX: Up on 11/6 for a rare MM session. On 1190 WOWO was off leaving weak audio w/UPI NX, local WX (high of 85, low of 55), and the time (MST). The ID was muddled, but it sounded like KYDX. Perhaps it was 250 watter KRDS, Arizona. Unfortunately it signed off @ 2:08am before I could get a positive ID. On 1030, WBEZ was off and E. Centro was booming in. On 11/11, WFAT-1630 in @ 4:30am. On 11/12, WPCF-1400 Portsmouth in @ 4:33am for one of my better graveyard catches. WFAT-1360 in with "Hello Miami" on a talk show, and WHET-1330 w/Boston NX @ 5:40. On daytime DX on 11/18 I got WVA-920 with WTTM milled, WWOL-1120 with WUST milled, and later, WQIX-1290 with their 4:45pm s/off just after our local WTUX went to bed. All for now. 73.

WE HAD A GREAT TIME AT RAY ARRUDA'S OTG

ERNIE COOPER - The Cape Tip Diner - 5 Anthony Street - Provincetown, Mass. - 02657 11/28/78

We had enjoyable phone calls this week from RAY ARRUDA, ROLLAND LINDBLADE, GEORGE HOLLAND, & MARC DeLORENZO. Think you, gentlemen! Yes, the Sunday afternoon at Ray & Arlene's beautiful home in Acushnet was a real delight, and we had about 15 NRCers there to shoot the breeze with, along with plenty of beer and pizza - thanks, Ray & Arlene, for a great day! BILL WURTZEL accompanied me back home and we had a DX session here on that MM. The great AU CI continue, and here's this week's activities: 11/21 - About 15 minutes of snow fell as I began DXing. SS-1090 o/WBAL @ 12:46am, & unID TT on 1440. And, congrats, Atlanta, your WSE now carries Larry King, too! What has he got, anyway? YVOV-540 way up top and in good 1:29-1:49. 11/22 - WREO-680 was off today, nothing new noted on 680, only CPTT, WPTF, & WAPA in/out, up/down, & one TC from CITQ heard @ 2:29 (one minute to four!). Turkey Day, 11/23 - "Onias del Macenio"-1170 o/u WWVA for a log, 1:22-3. A dial tone or deep tone or ket u/WXWV-1130 today and several days since. UNID TT-1380 2:20-3:04, no IDs heard. WRBD-1340 & WSGA-1400 were channel toppers during that time. 11/24 - SSS second report out to WIEG-1520 o/u WTHE with no sign of WKEW, and no sky wave from anybody anywhere at this hour, logged 4:33-4:45pm s/off, no anthem, then WTHE off 1 1/2 minutes later, also no mx. 11/25 - UNID SS-1160 @ 1:40-1:54 fade, I don't think it's the former ANer there, R. Aeropuerto, or Radiolandia, but it seems to be a Colombian. SM 11/26, with galeforce winds whipping around: Venezuelan NA at 12:58 on 1080 & station signed off, too late for ID - again. UNID SSSes noted on 800, 1210, 1090, 1140. No skywave noted on 1240, WCOU-Me, atop there, now rr, ex-c/w. PM, after getting back from Arruda's, a goodie in R. Excitos-1130, Santiago, Dominican Republic, running all over WNEF for a good report, 11:11-11:33pm, when they faded down, out, & gone. They had a lot of mentions of "Musica de Estados Unidos". Nothing much unusual noted during the MM hours of 11/27, except a basketball game from Elmendorf AFB in Alaska on 1600, but a phone call from BILL COLEMAN cleared up the ID on this one, WPRC, Reidsville, N.C., unnn. That evening, MARC DeLORENZO called to say that Turks was coming in on 1550, so I tuned there, got a little bit, before a nasty unaccounted-for buzz took over the entire BCE dial, so we still need more data on this one. They had rr to 5:45pm, when they started talking about sports, and then - the buzz took them out. 11/28 - R. Principe-1580 with U.S. mx once more fooled me with their excellent signal @ 1:02am. WRBD again topped 1340, as the Aurora continues merrily onward. A report was taken on R. Mara-900, Maracaibo, which was ANing, in/out w/a Cuban & CKTS, no sign of either XEW or CHML. Either CHML's 50kw goes away from this area, or the AU took them out, or else they weren't ANing these last couple of mornings. Watch for AN shows from FPCs and LA on Christmas & New Year's mornings! C U N 10!

VERIE SIGNERS

Table with columns for call letters, frequency, mode, name, and address. Includes entries like 'A - Dave Schmidt', 'B - Kark Jeter', 'C - Kelly Andrews', 'D - Wayne Heinene', 'E - John Rouse', 'F - Steve Ponder', 'G - Rolland Lindblade', 'H - Elliot Straus', 'I - Ron Musco', 'J - Mike Tuggle', 'K - Nedl Zank', 'L - Ernie Cooper'. Also includes a list of veries with call letters, frequency, mode, name, and address, such as '1350 WZIX 1 Darren Dunlap, CE', '1350 WLLY 1v William Capp, MxD', '1360 WKAT 1 Arthur P. Smith Jr., CE', etc.

These are all we have through Friday, November 24th.

Please send foreign verie signers to IDXD.

Several Musers have recently listed some fine veries but did not send in the signers. We'd appreciate it if they would soon do so, and also that others of you who delight in receiving veries would send in your recent signers, thus to help others. Thank you!