



DX News



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NATIONAL RADIO CLUB

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NUMBER 9

"Here's my renewal for a second year with the NRC.
It is impossible to exist in the MW DX world without
DX NEWS!" (Charles Wehking, Mo.)

IN THIS ISSUE:

Loop Distortion - Why Get Skewed? - Gordon Nelson
NRC HQ Tries the "Space Magnet" (held over for
1 week)



MORE NEW MEMBERS THIS WEEK...

- *Gary Atkins, 2200 W. Burnett, Louisville, Ky. 40210 (rejoins!)
- *Jack Wyatt, 22 Socrates Pl., Akron, O. 44301
- *Steve Driscoll, 850 Third Avenue, Half Moon Bay, Ca. 94019
- *John Marx, 310 Walnut Ave., Greensville, Pa. 15601 (rejoins!)
- *SP/5 William Lount, HQBTRY 4/14 F.A., Ft. Sill, Ok. 73503
- *Rizal J. Baysa, 11854 27 Mile Rd., Washington, Mich. 48094
- *Ed Maupin, 2322 E. Harry, Wichita, Ka. 67211
- *Robert L. Purdy, 816 Emerson St., Saginaw, Mich. 48607

Welcome to the NRC, gentlemen, we hope to be reading your contributions often here in DX NEWS. Your new member kits will be mailed out later this week and you should be receiving them shortly.

RENEWALS...

Wehking... Neal... Eddie... Winsor... Sorenson...
Dangerfield... Greene... Glotz... Long... Territo...
Bartels... Cavaseno...

WRYT VERIFICATIONS!



Big George Kelley has generously volunteered to clean up the outstanding reception reports from the WRYT test that the station has so enthusiastically not verified to date. As you know, George was at the mike during the test and will verify only reports from the test broadcast. Since he does not have access to the original reception reports (which may have been discarded by WRYT), a follow-up report is essential. Send the report to Box 99 and NOT to the station.

*GPN

		S P E C I A L S			
		kc/s	watts	a.m., E.S.T.	Info:
Mon. Dec. 21	W I N R	680	Binghamton, New York 500	12:01 - 4:00	N R C
	7 W P I C	790	Sharon, Pennsylvania 1,000	3:30 - 4:30	N R C
Mon. Dec. 14	W K I X	850	Raleigh, No. Car. 10,000	1:00 - 1:15	NNRC
	14 H C J B	700	Quito, Ecuador 30,000	2:00 - 3:00	IRCA
	14 K R E L	1370	Corona, California 500	3:01 - 6:00	IRCA
	14 W I L M	1450	Wilmington, Delaware 250	3:30 - 4:30	N R C
Mon. Dec. 21	W I Z S	1450	Henderson, No. Car. 250	2:30 - 3:00	NNRC
Sun. Jan. 3	W K L X	1350	Portsmouth, Virginia 5,000	4:30 - 5:00	N R C

WTNR. This station is going to run a four-hour NRC DX TEST on Monday, 12/21/70 starting at midnight. WINR sponsors a Boy Scout troop which will be running this NRC DX as a troupe project. Send reports to Mr. Kevin Van Derbeck, WINR, 70 Henry Street, Binghamton, New York - 13901. Interference should be limited to CHFI and WAPA. Our thanks to WINR for this courtesy, and this was arranged by Wes Boyd & Stef Krieger of NRC.

WRIC. This station will be conducting its annual Proof of Performance Test on Monday, 12/7/70. Between approximately 3:30 and 4:30, there will be many IDs, cycle tones, popular music, and IDs by NRCer Dave Schmidt, who'll be on hand for this test. Send reports to Mark Hutchins, Chief Engineer, WPIC, Box 211, Sharon, Pa. 16146. Arranged by Wes Boyd & Dave Schmidt.

WKIX. No further info - probably a frequency check.

HCJB. WLW has been asked for a standby, but even if they don't comply, HCJB should be heard everywhere except in WLW's primary coverage zone. This is the famous CB outlet of the world-known "Voice of the Andes", and they are hoping for many reception reports. Should anyone feel like making a donation, they'd be most grateful for same. Info: Larry Godwin.

KREL. They'll be testing with rock-n-roll music and plenty of detailed IDs. James R. Miller, KREL, Box 100, Corona, Cal. 91720. Arranged by two IRCA members, Bill Powers and Edward Haden.

WIIM. This test will run for an hour, and will include music, tones, code IDs, and many voice IDs. They'll be testing alternately, their night and day transmitters, with 250 and 1,000 watts, respectively. Send reports to Mr. Joseph Benson, WIIM, 920 King Street, Wilmington, Delaware, 19801. A tough channel, but a welcome catch for many, and a welcome state! Dave Schmidt.

DEADLINES HERE IN BROOKLYN

For the rest of the waning year of 1970: Thursday, December 3, and Thursday, December 10. Then, Wednesday, December 23rd and Wednesday, December 30th, and then, in January, back to Thursdays again.

NASWA EDITOR WILLIAM EDDINGS ILL

Back on October 16, Bill Eddings suffered a heat attack. He is well on his way to recovery, we are happy to learn, and perhaps you would like to send him a get-well card. His address: Room L27, Altoona Hospital, Altoona, Penna. 16601.

Info from Ken Lyon.

May we remind you to allow enough time for sufficient publicity on NRC DX TESTS you might arrange. Why not ask for them at least eight weeks ahead, to allow for delays along the way - theirs, yours, and ours. A DX TEST put on without publicity is a terrible waste of time, money, and patience, and can certainly alienate a station's personnel against all DXers.

It's time again for the annual jamming of the mails by the millions of Christm cards, so please allow extra time for your Musings to get here. Write them a sooner than you usually do. But - don't forget to ~~write~~! A great lot of them this issue - great work, boys! Thanks! -ERC

MUSINGS of the Members



Ernest R. Cooper
438 East 21st Brooklyn, NY 11226

HAL ROBIE - 273 South Street - Medfield, Massachusetts - 02052

DX NEWS #6 arrived in today's mail. First of the series "Tips for Novice DXers" prompts me to offer congratulations to Russ Edmunds & Page Taylor for their treatment of the subject. Thinking back to my first experiences w/DX-ing I recall the bewildering patterns of the airwaves & the complete lack of helpful information on the fine points of the hobby. I didn't know station listing were available until I spotted a copy of White's Log on a newsstand & later bought my first copy of Radex. I verified 50kw. clear channel stations & never confirmed most of my 100w or 250w catches too numerous (and heart-rending) to mention. I heard & logged mostly by accident rather than design. I do, however, have veries from 50w WEXL, Royal Oak Mich. 1310, 100 watters WMSD-1420 Muscle Shoals, Ala., KVPD-1370 Fort Dodge, Ia., KENO-1370 Las Vegas (heard on first day of commercial broadcasting) KASA-1210 Okla. & 250 watters from Wyo., Va., S.C., Okla., N.C., Mont., Ind., Ga. & many states closer to home. What a series of 'How to' articles like this would have meant at a time like that, hi! Little time to listen lately, but evening of 11/9 had excellent CX to the S. I was fascinated by the fine signal from YNUU-965 & listened continuously from 8:30 to 11:30 while handling paperwork for the office. Also very good were PJD2-1295 & PJA5-1435. As might be expected YNOL-835 was excellent & easy to hear. ZEM1 was like a local. A poor signal was heard on 1203, probably TIQ, over-shadowed by R. Tiempo, YVOZ, on 1200. WOAI struggled to the surface infrequently as though gasping for air. An opportunity for concentrated listening that night might have produced some good catches. I can't wait for the new LA Log. I reserved my copy long ago. How about you?

BRUCE BENNETT - 82 Norman Lane - Levittown, New York - 11756

DX recently is as follows: 10/27- CFNB-550 @ 9:33pm, WHYN-560 @ 6:15, WHLO-640 4:47pm, CKFS-900 @ 5:50pm (no sign of CHML) & WHLD-1270, 5:10pm. On 11/2- WHEC-1460 6:40pm, weak. On 11/3- CKAC-730 @ 7pm. On 11/5, WGR-550 w/ slop @ 5:30pm, & WXTR-550 R.I. @ 6. I have received 93 veries out of 117 sent for. I am looking for a new RX. I am mostly looking for a used Hamarlund 200. I really like the Q-Multiplier & would like an RX w/one. Anyone who knows of one for sale please notify me. I'm usually home after 3pm weekdays. Telephone number is 516-938-8512. On 11/5 I called RJE to find out if he had anyone to type the corrector yet. He already did. I was just going through tapes of station IDs, & found one in a foreign language, FF or SS. I later found out the tape was of station CGFB? Barcelona, Spain, 1025k, my first TA. I collect SCs & have WABC SCs to swap. 73s.

JERRY STARR - WHOT Radio - Youngstown, Ohio - 44505

Welcome to the NRC, Richard Bartos, of Campbell, who lives just a few blocks E of WHOT; Youngstown NRCer #7! Grok. No change in status of new local WTNL-1570, although rumor says this one expects to being RS on 1/1/71; will most likely chicken-rock format. First TA openings of the season noted here the evening of 11/2, about a dozen "regulars" at good strength; just one new logging, Roma II-845 w/excellent S-8 signals for good tape @ 9:15pm. Carrier on 818, but, as usual, no usable audio. Dave Schmidt & Wes Boyd were out that night to shoot pool but we ended up DXing. It's a problem having the table in the same room w/ the equipment, hi! Unlisted f/c-DT noted 2:16-2:31 on 11/12 from WQBS-1410, only one ID at the very end of f/c. New WREM-1000 noted on RS 11/12 w/s/off @ 5:15pm, how long have they been on? By the way, does anybody have a tape of the interview ERC & I did on WRKL during the Convention? I know someone had one. I'd like to borrow it to copy. Well, 73s from behind the Pollution Curtain. Have some corn chips! Will this be the year Ed Krejny muses? Remember to keep ERC double-spaced out.

JOSEPH FELA Jr. - 150 Robert Place - South Plainfield, New Jersey - 07080

Greetings. As CX on FM have deteriorated to their usual Wintertime state (nil), I find myself back on the AM band. Only one verie has been received so far this season, a v/q from WMMM-1260. Recent DX: 11/14- 5pm s/off WOBW-1530; 5:01 WRIZ-1550 in SS; 5:05, WHHY-1440 nicely between WNJR/WCTC (kinda early for Alabama though, isn't it?); 5:11 WABY-1400 way o/the others, & w/Southern CX yet, 5:15 WNDB-1150 excellent, 5:24 WRMF-1050 assumed to be the one w/spot for Eau Gallie Speedway. 5:34, WBSO-1550 alone, 5:38 PJA6 assumed to be the one on 925, very good even w/full selectivity & WPAT on 930, 5:45 s/off WLOR-730. 11/15- 4:30 s/off WMMM-1260 after ten years of trying to get them, 4:45 WSCR-1320, 4:55 WKYB-1000, 5:02 WKIM-980 w/some WILK QRM, 5:05 WENC-1220 alone, 5:20 WTOC-1290, 5:28 WOSC-1390 & WTMA-1250 both outstanding. 5:31, WTTI-1530 s/off, 5:45 WTQX-1570 & WAMY-1580 s/off, 5:49 WMEC-920 o/WTTM, 5:53-6pm s/off WKOR-980 for a big surprise. To other things. According to a newspaper ad, WHLW-1170 was supposed to start RS 11/15. Did they? All I get on 1170 is WWVA/WWLE still. And speaking of ground wave reception, WTID-1270 continues to come in S-2 all day long (w/WLBR nulled, of course). I still can't figure out how they do it - and it isn't due to winter coming either as their signal was present like this all Summer. Regarding WAWZ-1380, I can't wait for them to put their 1380 XR to rest - it continues to put what sounds like a 1 kc/s het on 1360 and 1400 whenever they are on the air. 73.

DAVID LONG - 66 Beattie Avenue - Lockport, New York - 14094

I received my loop from NRCer J. A. Worcester and the DX quality is greatly improved - well worth the expense. 11/14- SSS brought WQTE-560 @ 5 w/SID, & WSOQ-1220. Between CHSC & WGAR, 1220 was untouchable before the loop. 11/15- KSKY-560 made a welcome new addition @ 6:14pm. MM 11/16 it snowed, and what a relief to listen without crashes of static every few seconds! UnID-690 s/off w/SSB @ 1:35. Somebody know who? Super-pest & usual NSP CHFI-680 left only an OC on & KNBR & WPTF were heard between 2:30 & 4am. WDBC was there @ 2:30 w/ET. Lucky catch @ 3:09 was in the form of 1,000w WMGO-1370 Canton, Miss. o/WSPD ETing w/rr. I finished off the night w/WLOP-950 @ 3:58 for a welcomed Floridian. 11/17- CKEY looped & gave way to WKZO-590 @ 4:48pm. Seems like poor Toronto has more than its share of NSPers! 11/21- Tonight's SSS brought WAMY-1580 @ 5:40 s/off & WESY-1580 @ 5:50 w/Soul mx. Great path into Mississippi on that channel! Reports out to each. Recent veries in from WOPR CBK CBI WLIX & WVOK. Anybody know of any Idaho f/cs audible in this area? I still need Alaska, Idaho, Nevada, Maine & Delaware. If I fall asleep through WAMS' next r/c this MM, it'll be eight times straight! 73.

KARL F. SCHULTE - 1504 Wilson Point Road - Baltimore, Maryland - 21220

Greetings from the Chesapeake Bay Country - land of Pleasant Living, Home of the Orioles, Bays, Clippers, Colts, me, 65% of the world's supply of NEW ENGLAND clams, Star-Spangled Banner, National Beer, WBAL, Birthplace of Ice Cream, & others too numerous to mention. Veries in: R. Belize-834 ZNS-1540 WPEW-950 WRNC-890 R. Victoria-925 WNOE-1060 WESR-1330 WASA-1330 WBOC-960 WBAM-740 WOSC-1390 WTRQ-1560 XEG-1050 WTTI-1570 WXUR-690. WXUR enclosed a photo of their towers. Last two weeks have brought nothing but noise here. We've had two thunder storms & a tornado watch here within the last week. On a good night I can get WGY. I guess next Summer will bring a blizzard. No takers on the free coffee. I guess the NRC is non-existent in Baltimore. Chamber of Commerce report again next time. 73 from SOUTH of the Mason-Dixon Line. Have a cool Yule and a frantic First.

ROBERT F. LEAMY Jr. - 4649 Eastway Court - Apt. E - Columbus, Ohio - 43213

On 11/16 I noted WARR-1520 in Warrenton, N.C. on top of KCMA all evening - they were on after usual s/off due to emergency racial problems Warrenton was under curfew. I note they are not in the NRC Log and have seen no mention of them in DX NEWS. They are ON! Early Christmas present here - I received a v/q from WBS-695, reported on 2/19/67! Must have come by sea turtle, hi! Best DX & 73.

ROGER W. WINSOR - 718 North Fremont Road - Valparaiso, Indiana - 46383

I have a lot of DX to report. I'll highlight the Oct. stuff not reported already. 10/16- Strong Aurora. KFFA-1360 Ark. all alone w/FB 8:19 -9:56 s/off. 10/21- WJRL-1530 Miss. ETing u/WCKY w/c/w 12-12:38am. 10/22- KTUI -1560 Mo. s/off 6:30 w/SSB. 10/26- Auroral MM noting WVJS-1420 Ky. all alone, 12:05-12:34 fadeout; WJHO-1400 AN w/Wild Child rr program. 10/29- An unusual night, good to all directions except E. KRYS-1360 o/all others @ 12:07, WREN-1250 noted dominant, no WTAE, @ 12:15, KFDI-1070 noted @ 12:20 w/WX for Kansas, usually never heard here on night power, WLBW-1410 Ky. noted s/off @ 2, change NRC Log & an AN-SS on 860, R. Plaenz or something. Is that Cuba? MM 11/2- WSWN-900 Fla. testing w/TT to 1:48; WLEE-1480 Va. AN-rr 2:06-2:25 logged; highlight of the morning was armchair signal quality of KRKO-1380 Wash. logged 2:32-3:12, especially after XEVO-1380 3am s/off. I logged KTKT-990 just for the heck of it. That PM I logged WLAP-630 Ky. u/KDWB QRM 5:09-5:23; Monaco-1466 noted @ 5, first time I've heard a TA @ SSS. 11/3- KDDD-800 r/c OK 6:30-6:40am, WMCL-1060 Ill. heard @ 7am s/on w/120w in car radio going to work; WLST-600 Mich. s/off 5:10pm w/America, then WTIK-1310 N.G. w/c/w 5:36-5:44 fadeout w/CHGB QRM. 11/9- KMCW-1190 Ark. w/beautiful signal @ 6 s/off, unn. KFSA-950 Ark. w/local NX 6:08-6:14 fadeout, mucho WSPA QRM; KIMP-960 TX @ 6:15 s/off, KVPI-1050 La. @ 6 18 s/off; KKGA-730 TX & NN mx to 6:32 s/off & KCAS-1050 TX in SS @ 6:45 s/off. 11/10- More SSS- WAPI-107 Ala. really on top 5:39-5:45 DA pattern change, leaving WDIA all alone; KBCL-1220 La. w/local NX 6:04-6:10, several local spots during this short time for a log; unbelievable signal from KDMS-1290 Ark. 6:10-6:15 s/off taped in entirety; WOOD-1310 Tenn. all alone @ 6:18, as was WJPR-1330 Miss. WAME-1480 w/jingle @ 6:23; WMBR-1460 Fla. all alone @ 6:25. 11/11- \$tremely Auroral w/only locals @ 5pm, then KORC-1140 logged 6:08-6:24. 11/12- KBIB-1560 Ark. ending local NC @ 5:56. 11/13- WUNI-1410 Ala. alone @ 5:44-5:55 for log, KDFW-1500 Mo. strong 5:57-6:03 s/off taped; KWCO-1560 OK, on top of WDXR 6:28-6:44. During this time WDXR had XR trouble which was nice of them. In 15 minutes on KWCO, I logged 11 commercials, all perfectly clear on tape! Later WWUN-1590 all alone at midnight.

JOHN W. HOOGERHEIDE - 3 Marquette Drive - Marquette, Michigan - 49855

No sign of Cuba tonight 11/12 on 640, only KFI & HJBJ, Santa Marta in & out. An interesting split on 665 w/soccer @ 11:15pm, definitely a CA as Guatemala was mentioned often. None listed in FBIS list. Change sked in NRC Log for WJPD-1240 Ishpeming to 5:25 (5:55 Sat., 7:05 Sun) to 10:05pm. For those in midwest who need WCKD-970 Ishpeming, they have TX problems & have a loud low-pitched hum which can be picked up in the Detroit-Green Bay-Minneapolis areas even though no audio is present. Sounds like the MM Cuban jammer on 1140. It's always present & is very distinctive at a good distance from XR. WNJR-1580 r/c-TT 12-12:15 w/IDs every 5010 seconds, #7 from N.J. & certainly best bet for a tough state in MW. Still no Cubans noted & TCW-640 finally @ 12. Also apparent s/off of HJAN-720 @ 12, both new. XEVIP-156- w/EE CBS program 12:30 but SS ID. WWVA-1590 s/off @ 1, not 12 as in NRC Log. KALB-580 noted s/off @ 1. Also a GSQ - Oh Canada noted @ 1 which interests me as nothing shown except CKAP. WDWS-1400 s/off 1:15 w/SSB. 11/15- Auroral CX are still in @ 6:30-7:30pm. Three new logs - WRR-1310 Dallas, WRBC-1300 Jackson, KTRN-1290 Wichita Falls, all atop on respective frequencies. 11/16- WBAX-1240 w/Hi as reported in last DX NEWS, 1145, for new log 11/18- Great New England CX prevailing this AM w/WJAR-920 WVMT & WLBZ-620 all dominating their channels. Also noted a 12:05 s/off-SSB-orchestral on 610 looping just a bit southward from WVMT on 620, almost certain this was WGIR in N.H. but CKTB/KDAL/WIP/WTVN were too tough. Sounded like NBC NX just before this s/off. Can anybody in Mass. confirm this s/off time & whether or not NA is used?

STEVE KAMP - 6149 Monteverde - San Jose, California - 95120

Veries: v/M- KATM-950 Boise. v/1- KOAG-1280 Arroyo Grande, Cal. v/PP/c- KSOL-1450 S.F. (I thought I'd verie 'em before they might switch calls!) Also a second v/f from TIRS-975 Costa Rica, same wording as one reported to 7/4/67 IDXD, but with fancier wording & letterhead. DX: 11/15- CJIC-1050 Sault Ste. Marie @ 4:12 w/promo, CJIC heard most clearly. I've been trying to get enough copy on this one for a réport for a fair while now, but still no luck. MM 11/16-

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Tentatively, KAIM-870 Honolulu @ about 4:03-4:25 w/Hour of Decision, but faded before ID time. WWL off at this time, help! KPAR-660 Fairbanks strong w/rr @ 4:46; ID, NX, WX, 5-5:08. Japan-780 (either JOKX JOIU or JOBS) heard again w/ [REDACTED] nullled @ 5:09. At 5:15, I went to 1400 to try for KVOP Tex. r/c, & a TT was heard but couldn't copy any IDs, weak signal, & much KSLY QRM. At 5:34, Asiatic RSFSR-1475 w/CJinese program. At 5:38, Khabarovsk-1550 heard well in Russian w/unID domestic looped. JOBB-830 Osaka way o/WCCO for a minute @ 5:50, w/man in Japanese, but then bacm u/WCCO. Kim-chaek, North Korea-725 @ 6:03am w/talking. At 6:45, I went to 1460 for KBRZ Tex/ r/c w/500w, & TT was noted, but weak. I was about to give up on it until 6:55 when TT rose beautifully in strength, & @ 12:56, a long clear ID w/phonetics was heard & copied perfectly. At 6:59, another ID. It was then lost to KENO who were looped out somewhat. Also heard @ 6:45-7:02 was a tentative reception of KIRL-1460 St. Charles, Mo. At 6:45, the Voice of Prophecy till 7:02, when they went into program about Mo. farmers & grain production w/no ID. At 7:26, unnn KOAM-860 w/ID. At 7:29-7:40, KGU-760 w/HI trash. They faded @ 7:40 to an SS station. That's all for now. 73s.

RICH RICHMAN - 14 East Cheshire Place - Staten Island, New York - 10301

Auroral evening, 11/8, brought in WSJC-810 Miss. for the second time ever. WSJC was heard w/religious program & ID from 5:58-6pm, when power is cut from 50,000 to 500w. No sign of WGY while WSJC was in there. New report sent, as my January report was never answered. MM 11/16- WTHB-1550 Ga. heard on w/af/c @ 12:25am, sounded identical (phonetic spelling of calls, etc) to when first heard 3/23/70. UnID same MM on 1560 from 12:17-12:24am w/MOR, & promo for Earl Nightingale, weekdays @ 8:55am. I assume it was unnn WDXR. Two veries in: v/q- WKOX. v/1- WANN. What's the good word from WERT? Could it be "verie"? DX NEWS becomes better each issue. 73.

BERNIE DUFFY - 350 Richmond Terrace - Apt. 1-P - Staten Island, New York - 10301

My 25-year-old Hallicrafters S-20-R went out of business permanently & I'm now using a quite selective Korsonic portable. Latest veries are a nice red white & blue card from VOA-1196, Munich, West Germany which I reported to direct, but who confirmed from their Washington D.C. office. Other cards came from CJET-630, Smiths Falls, Ont., WRKL-910 New City, N.Y., & WELA-1530, Elizabeth, N.J. V/1s came from KOLM-1340 Detroit Lakes, Minn., WPNX-1460 Phenix City, Ala., WBFS-1480 Bridgeport, Ala., & WKIG-1580 Glennville, Ga. The new NRC Log is "just great"! It was nice attending another Convention.

STEWART DRAKE - 2108 South Simpson Street - Philadelphia, Pennsylvania - 19142

This month has seen only two new entries in the Log Book, & two more veries, but the veries are what made me real happy as they were #2,399 and 2,400 in my DXing career. The new catches were 11/8 WGCH-1490 Conn. on RS @ 11:2 till s/off about 11:18pm. Tjeir verie was #2399. Then the next day WHCO-1230 Ill. returned my PP/c signed, rubber stamped & OKrd for an 8/22 log. On SM 11/22 I tuned to 1560 & noted WQXR testing w/someone underneath. This turned out to be WTRQ, Warsaw, N.C. making various tests. That was @ 12:40am etc. So the totals now read 2,536/2,400 for a very nice 94.5%. Now a few more items of interest about the Domestic Contest. I have asked Gordon Nelson to put a deadline on entries as of 12/15. I hope no oje would wait to see how the other guys are doing before entering & w/a deadline it should insure against anything like that. So come on in gang - the fun is fine. So far I have received 24 entries & that is rather poor out of a 500-plus membership. [REDACTED] please, no stamps unless 6¢ variety & no more personal checks. I hassled at the bank to get four of them cashed. It is easy to cut two holes in a card [REDACTED] put your two 25¢ pieces in with tape top and bottom, so let's see a lot more contestants. On the PSAs, I'm sorry but the data on them is incomplete so PSA powers will not be considered, only day & night powers will be used as factors. And all catches made since the start of the Contest count, regardless of the fact you did not enter till a later date. Does anybody know who the tester was on 1210 @ 12:44am 11/23 w/WCAU? They played "I Think I Love You" & one by the Supremes, title unk here. WCAU came in w/a TT & if an ID was made I lost it. They s/off about 12:48. Good DX & Happy Hunting to all. 73

RICHARD T. EDDIE - 152 West Rose Avenue - St. Louis, Missouri - 63119

Hi fellow NRCers! I just sent in a check to renew my membership w/NRC & will be starting my fourth year w/NRC. For our newer members and those who have forgotten (hi) here is a brief re-intro. I am now 23, still single, taking correspondence course in radio repair. I also belong to IRCA & NASWA. This Summer I added Zenith Transoceanic 3000-1 12 transistor readio & a Panasonic AM/FM/stereo solid state model RE7300 to the shack so main rig is now the 3000-1. I have other equipment but I won't waste space listing it though my antenna is a 3' altazimuth loop. DX has been fair but veries are coming in very very slowlu. I finally got to the NRC Log - great job done! Now to most recent DX (all times EST). MM 11/16- KPAY-1060 Chico Cal. 1:26-1:45am w/rr, KAKC-970 Tulsa 2:40-3:05am - they didn't s/off @ 3 per NRC Log. Sun. 11/15- KGHM-1470 Brookfield Mo. 5:49-6 Olpm s/off. KLLL-1460 Lubbock Tex. 6:31-6:46pm w/c/w, IDs as "K-Triple-L. Sat. 11/14- WCCR-1580 Urbana Ill. w/r/c 1:15-1:30. Fri. 11/13- WBTH-1400 Williamson, W.Va. 3:18-3:35am w/r/c. MM 11/9- WLCX-1490 La Crosse Wis. 1:09-1:30am w/rr, La Crosse station #3 out of three, hi. WLAV-1340 Grand Rapids, Mich. 1:36-2, WSAM-1400 Saginaw Mich. 2:17-2:35am. All other DX has been back in October. Only veries of late, WLCX v/1 & SC, three out of three QSLed from La Crosse & KSPI-780 Okla. I think I am over 30 so good DX to all & 73s. I will trade SCs - just write. As they say in Chattanooga, Tennessee, "WDXB" - "Winter [REDACTED] is Best" - so send it in to ERC.

BILL COIMAN - Apt. 101 - 906 Sans Souci Drive - Raleigh, North Carolina - 27609

I had the pleasure of announcing on an ET on the big 5,000w [REDACTED] 1390 Rocky Mount, N.C. on 11/19 from 12:30-3:30am EST. The engineer is a good friend & he believes in verifying reports, if they contain info about the program heard. How many of you heard it? Thanks go to Larry Ballard for taking time out & giving me some info on a couple of stations. If that is Bob Foxworth from Raleigh N.C. as mentioned in the last issue of DX NEWS, I'd like to get a few airchecks of some N.Y. stations. I will be going to REI in 1/71 to get my first phone. I hope to be a chief some day. I heard WJTO-540 Cypress Gardens, Fla. testing w/TT & IDs on 11/16 @ 2am. I sent them a report. They must have been doing a PoP. I have a list of all carrier current college station, if anybody needs info. My phone # is 919-876-3207. I just moved & went through some of my oldies, mail, etc. & came across a card that Ken Lyon had sent me, welcoming me to the Club. Sorry I'm late, but thanks!

FATHER JACK PEJZA - Augustinian Fathers - St. Augustine High School - 3266

Nutmeg Street - San Diego, California - 92104
Still no NRC Log received as of 11/17, more than two months after they were mailed. If & when it does arrive, Winston Blount is going to get a nasty letter from me. The SCECPOSDDX-ERBA get-together here after Thanksgiving is shaping into one of the all-time memorable get-togethers. DX here has been limited mostly to MMs; no new TPs have been noted, but several new Mexicans seem to appear each time I listen. An unID SS on 664 has been IDed for me by Larry Godwin as TGRT, down from 670. It was heard here 11/17 for an hour w/U.S. MoR mx, but few (and then very poor) announcements. Russ Edmonds and Page Taylor are to be congratulated on the first instalment of their article on tips for novices, as is Paul Hart on antenna patterns. Features like these really make DX NEWS interesting. I just bought a surplus IM-18 frequency meter, so should have more precision in pinpointing splits from now on. This is similar to the more common BC-221, but is a Navy instrument. Veries have been slowly trickling in, mainly because I haven't sent out too many reports yet this season. Almost have the first form filled for the Caribbean division of the Foreign Contest, but I am having trouble with the 500 & 1100 blocks. The other forms are still largely empty.

LARRY O. BALLARD - Box 367 - West Columbia, South Carolina - 29169

In Issue #6 there were only two Musings from [REDACTED] of the Mason-Dixon Line so a little more support is needed from us Rebs. Here is a small contribution to this issue. DX in the last two weeks has picked up considerably.

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Here's hoping it's a sign of things to come. 11/9- KCMC-740 Texas w/c/v o/o
um KMG who was EPing w/TT @ 3:32. 11/12- WFLP-590 Fla. 10:32 w/Moll u/strong
WFLD Ga.; WCTA-920 Ala. 10:45 w/c/v u/WGST Ga. 11/15- YBC-1015 El Salvador @
9:45 w/SS mx & very clear ID. 11/16- WUNI-1410 Ala/ s/off @ 12:59 w/quick
version of Dixie; WJW-850 Ohio @ 2:15 ET/TT; WVL-870 off @ 2:20 without usual
OC; WAMB-1190 Tenn. EPing w/mx & frequent IDs @ 2:33 on top of super-weak KRDE
Ariz. who IDed @ 2:34; KFI-640 Cal. w/Voice of Prophecy @ 2:40 beating out the
Cuban for the first time in quite a while; KNDL-1380 Kan. EPing 3:32 w/pop mx
in strong for my first Kansas; WKEP-1430 Ill. barely audible u/um WIRE @ 4:06.
Is this RS or ET? All I heard was a weak ID @ beautiful NRC Log lists them as a
daytimer (and don't try to tell me it's daytime way up there at 4:06am EST!) I
had the volume very high straining to hear then clearer when WJMS-1430 N.C. came
on w/ET/TT loud enough to wake up my neighbors through my earphones. WKBA & WQXL
do verify reports so don't hesitate to write them. That's Va. & S.C. respective-
ly for those who over-looked the article in issue #6. I don't see anything espe-
cially wrong with a club member signing verifs for a station that will TEST for
us only under the stipulation that they have some help from the DXer who arranges
the TEST. And how about the situations w/WHOT & WHEL? It's nice to remember
that everyone is honest until he proves different. And speaking of good guys,
everyone knows how hard the Boston crew works but have you given any thought to
the time & effort spent every week by ERC, RJE, & Foy? Surely it's a labor
of love! (Thanks, Larry! -ERC)

ROGER GIANNINI - 180 N.B. Street - Scott A.P.B. Illinois - 62225

(30 miles from St. Louis) This current Aurora is reminiscent of
the one experienced 8/15-9/15. TAs made their first appearance around 9/15 such
as Lisbon I-665 & Agadir-935. During October TAs such as Lisbon I, RBE-683, Dakar
-764 Roma I-845 - Agadir, CSB2-4034 Bordeaux & Sierra Leone on 1205, RBC-1214,
Tirana-1394, Nice-1594, WDR-1586. TAs all disappeared after the elections as
the Aurora was setting & it really hit on 11/11. OMCA was quite good @ 6pm w/no
trace of WCCO-830. PJB-800 was excellent from 6:30-7:15 w/XELO underneath & no
trace of CDM. At 6:30 I picked up a British-accented station on 700 which had
to be JBC when they said "This is the Voice of----" then WEM covered it up again.
By 8:30 Black Rock-780 was giving WEM a rough time. At 12:30am I picked up an
LA on 665 playing light mx w/program or word mentioned quite often was Faboesteros.
They s/off w/no anthem just w/the time mentioning "Buenos Noches" & the announcer
said Buenos Noches. On 11/7 I heard a new WIRE outlet on 665 @ 7:30pm in EK.
Could be Castris as WEM has under P.P. for WIRS to have a 10kw rig at Castris
on 660. Maybe the LA is really the Castris station in ES at that time. Any
ideas on this one, Cesar Oblio? Also heard was HI on 1200 last 11/16 around 5am
w/good signals. Who might that be? I hope GPN has the time to publish plans for
building a homebrew RX, also telling why such RXs as Hammarlund, etc. are better
than others etc. The '71 issue of the Communications Handbook by P.E. is going to
have an article covering RXes from \$60 to \$4,500. I wonder what a \$4,500 could
accomplish on MW that an SP600 JX can't! I sure hope that everyone has a good
season. My goal is to reach 50 countries as I now have 42. My state total is 35
& my goal there is 42. 73.

RICK EVANS - Box 1988 - Gary, Indiana - 46409

Long time no Mase. I wonder if ERC ever made an educated guess as
to how many verifs were returned by the Post Office? It seems to be nothing but
Aurora CX this year - in fact I rate KPFA-1360 Ark. as one of my worst pests, hi.
Now, if they will just verify me! KEM-940 Mo. said in v/1 that they no longer
use PSA of 28w. They now s/off @ 6 ten months a year w/900w, allowed by FCC. DX
here: 10/17- WFLP-1600 MX WX, church promo 6pm IAC; WAGA-1520 s/off 6:15pm poor;
WIBL-950 s/off 6:30pm IAC; KVGJ-1330 FB @ 7:15pm logged during pattern change &
power cut, but I never noticed it, hi. 11/18- WKVI-1520 on Skyline ET/OC & simul-
cast NX, 12:45-1:10pm parr, now on HG b the way & not much better. WAMY-1580 s/
off poor 6:17pm; WTRB-1570 fair w/rrt 6:25pm; KMMR-1500 s/off poor 6:30pm. WHI-
1480 s/off 1:15am; WJCE-1380 s/on 6; WJIZ-1380 s/on 6:01. 10/26- WJBO-1150 s/off

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1:06 w/SSB; KTLK-1280 rr fair o/CJMS 3:25am, WRCM-710 s/off 6pm; WMLB-1050 6:15pm
to 6:25 e/v; KXEM-1010 s/off 6:30 for one such wanted (And guess old ERC still
does); WMMO-860 6:35-6:55 decent mx; KNEB-610 6:55-7:02 w/plenty of spots for
Rapid City & very much unexpected. WWR-620 MX/WX 5:25-5:35pm; WOGL-1050 s/off
5:45pm. 11/12-KPKO-1380 o/KJMS both very much wanted but unexpected 2:40-3:04am.
11/7- WCCO-910 CBS program IAC on Aurora night; WMM-920 rr fair mixed w/WORY,
7:41-8pm. 11/8- KFAC-1330 Cal. 5am, cl mx mixed w/WROT who spoiled any chances
of copying ID on non-stop mx (what do you do w/an announcer like that?) Only
clue to his ID was the name Al Knight! KLFH-1580 good mx but s/off covered by
KLAU, heard again next Sat. w/remote announcer who refused to believe he was on
the air, & another who bumbled an ID! 11/12- CQXX-920 s/on @ 5:58. Season's
greetings to everyone although I hope to be here before then. 73-30

J. W. BRAUNER - R.D. 1 - Box 86 - Punxsutawney, Pennsylvania - 15767

About time to let you know we are still alive here in Punxsutawney's
hills! I did less than normal tuning this Summer, so less heard. I spent most
of May looking over Va. & N.C. This included a visit with Relfe Luton, long time
NRC member, where we enjoyed a DX den session & were hosted to a tour of N.C.'s
famous "Outer Banks" w/a stop at the then brand new WGBR. Thanks to Relfe &
Billie for that wonderful day which is still fresh in mind here. Another trip
took us to Iowa, & other states around the Great Lakes highlighted by a visit w/
Len Kruse & family that included a tour of Dubuque's points of interest & a pic-
nic on Labor Day where we were joined by Bob Gorsuch and family, which brought
back many memories of the old-time NRC get-togethers at Buffalo. Thanks sincerely
for making those happy days possible. As for DX, Blah! Lots of stuff heard,
mostly AMs logged many years ago. AM ETs seem to become scarcer every year. I
was away from home during most of Club TESTs up to now, so missed 'em. Only one
needed, XEED, missed due to late arrival of DX NBMS, probably wouldn't have heard
his anyway. Only one heard to date was WOOI on 11/9, not good enough for a verif
here. I heard parts of two marches & one ID; march titles didn't register with
this ex-bandman. I should have known one of them. Nothing heard after 3:20 but
the usual 1230 jumble. Only other new DX, WARR-1520 EP on 9/29 to 12:52am. YBC
on RS, KYMS-1080 three or four times @ s/off (5:45 in November). CPBL-1190 on RE
MM, & WORB-1530 on 11/9, 4:30-5pm s/ ff. For once usually dominant WQVA & WPTC
not heard, some WFME splatter more on CH than w/5kw. WPAD-1450, f/c-TT noted,
1:35 to 1:44 on second Saturday. S'all. 73.

FRED NORDBQUIST - 302 Sandra Lane - North Syracuse, New York - 13212

I got the DX bug again. Totals now up to 479 logged, 38 states,
wight provinces & 20 countries w/Morocco logged on 935. V/1 back from WHIL for
their 10/23 TEST. I've been concentrating on graveyards recently. Here's DX
rundown (all new to log). 10/23- WHIL-1430 Mass. TEST 12:37-1:01am, 10/24-
WBLB-1400 N.Y. 9:32pm. 10/29- WVIK-590 Ky. NX @ 11:03pm. 11/2- Agadir-935,
Morocco 8-9 @ 12:17am, & 8-7 @ 11:53pm w/Arabic mx same day. 11/3- Bordeaux-
1205 France w/FF NX @ 12:07am, Vienna 2-1475 Austria IAC w/mx on accoridion 12:28
am, plus unids on 1466 1602 1594 764-OC 773 782 719 701 & 1575 for best TA night
I've had. 11/7- WEEK-1300 N.Y. w/SID @ 1:06pm. 11/12- WJBJ-1280 Md. NX @ 6:14
pm, WCEM-1240 Md. w/stock NX 6:20, WINF-1230 Conn. CBS NX @ 7 18, WERI-1230 R.I.
Sports 7:05pm. 11/13- WDRB-1240 N.Y. WX 8:00pm. 11/14- WHHC-1340 Conn. MoR mx
12:51am, WPRD-1290 Pa. 1:02am, WHUC-1230 N.Y. mx 5:36pm, CFJB-1450 Brockville,
Ont. w/RX, hockey scores & several IDs - must be error in NRC log, hi. 11/15-
WJTL-1440 N.Y. NX @ 2:34pm. 11/16- Finally CHLO-1570 Ont. w/SID/rr 7:52pm, CJRB-
1510 Que. w/NX 8:03pm, WPTN-1240 N.H. sports 11:10, WWC0-1240 Conn. rr 11:44pm.
11/17- WIIW-1210 Ill. u/MCAU 5:37pm, CJCB-1270 N.S. rr 5:59, CPQT-1270 Que. FPC
NX @ 8. 11/18- WAAY-1550 Ala. w/contests 5:38pm, WMOU-1230 N.H. w/AM & PM ID @
8:25, and lastly, WSKI-1240 Vt. w/NX 8:37pm during this NE Aurora-type night.
I'd better close this report before Ernie cuts me off. 73.

PLEASE REMEMBER TO DOUBLE SPACE YOUR MISSING REPORTS. EVERYBODY IN THIS ISSUE
DID & WE THANK YOU! GIVE DATES AND TIMES OF YOUR CATCHES, TO HELP OTHER DXERS!



IDX Monitor Reports

Members' Loggings
Box Fitzworth, GPO Box 200
New York, N.Y. 10001

Monitor Reports' deadline Wednesdays, please use one side of paper only.
Receptions:

- 529 Algeria. Arabic chanting hrd 0125, very good signal but too much QRM. DF was about 55°. They spoke too low at 0138 not able to understand a word so I don't know if they identified. 11/7. Cyrt #57 here. (Objio)
- 535 Grenada. St. Georges WINS was s-7 on 11/11 0123 with pop mx. Completely in the clear and the strongest of the WINS outlets at the time. (Merriman)
- 540 Dominican Rep. Radio ABC, HIGH believed to be the sta here at 0124 on 11/11 with what sounded like baseball. Much QRM. (Merriman, Va.)
- 540 Nicaragua. YRTI easily separable from XEMA with loop 0458 11/9 with talk and mx; first time this season. (Blasunde, NJ)
- 540 Ecuador. HCFAR, Guayaquil 11/9 from 0730-0754 with light latin pop; time and ID given between songs; ID runs, "en Tropicana de Guayaquil que transmite para todo el país...Tropicana, alegre, profesional". (Feidt, Md)
- Radio Tropicana noted generally weak past 0800 MM 11/16 with Colombian mx. Like many HC- and OAX-'s, they tend to drop "radio" from their slogan in casual mention. (Schatz, Fla.)
- Station here with lively native mx and SS amsz 0730-0845 MM 11/9. Same loop bearing as Lima station. Undoubtedly is Tropicana - are their any other AN stns on 540? (Hoogerheide, Mich.)
- 555 Nicaragua. Radio Tic Tac, YNS, Chinandega fair on 11/11 at 0125. Had many spots, male and female ancrs. (Merriman, Va.)
- 566 unID LA. Hrd on 566.5 at 0443 11/11 and sounded like a spur, very bad, shallow modulation, looped generally as Cuba would; not a spur of the 550 Cuban as pgs not // to either that or any other Cuban hrd. (Edmunds)
- 575 Costa Rica. Cadena Musical probably the LA here at 0128 on 11/11, heavy WEMS QRM prevented definite ID. (Merriman, Va.)
- 585 China. Changchun hrd again 10/25 with fair signal at 1220 and was not // with Pyongyang-655, so must be China. Hrd with YL aocr in OC. (Kamp)
- 600 Colombia. RJJJ Barranquilla. Radio Libertad completely over the normally dominant Cuban here, ID w/slogan and location 0605 11/17. (Shannon, Pa.)
- 606 Costa Rica. Radio Tic Tac fair at 0129 11/11 with romantic latin mx; a 1 ke hat on the low side probably from the listed Nicaragua, but had no audio from this second sta. (Merriman, Va.)
- 610 Colombia. HJKL, Bogota. Did not hear the slogan for this one, but caught their RCN ID very well. Acc WHYH, this is the originating sta for the RCN net, along with HJIB-990. Hrd 0705 11/16. (Shannon, Pa.)
- * HJKL noted AN and dominant MM 11/16. Unwelcome. (Schatz, Fla.)
- 625 unID. Loop bearing says a HC- here; very weak 0015 11/13 and noted same characteristic on 635. (Fish, Neb.)
- 635 North Korea. Chongjin hrd with oriental talking by man, definitely not in Chinese, think either Korean or Japanese. Good signal 0947 11/9. (S. Kamp, Cal.) (Argote contemplating sending reports stations such as this should address the letters as "Democratic Peoples Republic of Korea" and not as "North Korea" or they will be refused - ed.)
- 640 Guatemala. La Voz de Guatemala finally with Alhaceltzer ad 0458 and good "Voz de Gunt." ID. Anthem and perhaps s/off 0500 11/13 but not sure as they faded just then. Still no Cuban noted; ditto on 690 and 720 so perhaps they are all off again? (Hoogerheide, Mich.)
- 640 Colombia. Good ID on RJJJ, La Voz de Santa Marta at 0345 11/13. No sign of Cuban - just a distorted hum. KFI QRM attires. Am still trying for TUV which was in nightly in Milwaukee before the high power Cuban took over the freq. (Hoogerheide, Mich.) (Looks like you got em, John-ed.)
- 640 Honduras. Radio Exitos, HRVF very nice with Cuban semi-mulled, many IDs. (more)

- Country #53 here and last CA needed except Canal Zone. 0544 11/16 (Shannon)
- @ HRVF assumed the one here, many mentions of Honduras at 0022 11/13 (Fish)
- 648 unID. Cuban hrd on 545.7 evenings. (Page Taylor, NJ)
- 650 Hawaii. KURL had fair signal on clear channel MM 11/9 but was not so strong 11/16. Suffered alop from Guayaquil-655, of all things. (Schatz)
- 655 Ecuador. Radio Carrousel, HCLG2, Guayaquil is the ANer here after YSS s/off, not Ecos de la Montana as mentioned several weeks ago (10/31 IDX), was hrd 0534 11/16. (Shannon, Pa.)
- 660 Japan. JOOG/JOAG, NH-1 hrd here MM 11/9 at 0945 with man in Japanese. Fair signal. (Kamp, Cal.)
- 660 Alaska. KFAR Fairbanks, strong 11/16 0945-1008 with rock mx. News and wx after the 1000 ID. (Kamp)
- 660 Mexico. XEPPM, D.F. 11/2 0740-0758 s/off and call (the only time call hrd) and fantastic signal (usually rarely hrd and weak) with US and Latin Rock, "Canal 66" and "Radio Juventud" between songs. (Oldfield, Alta.)
- 660 Colombia. EJKH Cali 11/9 from 0828 with Radio Uno ID, then into very brief newscast in SS and back to Latin Pops. (Feidt, Md.)
- ** 663 Guatemala. TGRH noted 11/13 between 2330-0005, series of ads in Spanish to RJ35 then into a "radienovela" which went to 0000, slogan for this pgn was, "Fabulosa, primera en novela" and ID at 0005 was, "esta es la emisora que usted escucha por su calidad y no por casualidad...radio Fabulosa" and the last part was a singing ID. They were very strong most of the evening. (Feidt, Md.)
- @ Very strong Radio Fabulosa noted for the first time 11/12 at 0440 with OC and high-pitched tones. At 0444 began playing instrumental mx which lasted thru the 0600 s/off. There were occasional spots every 10 minutes or so with ment of something like "esta es cabu estfree" and frequent CSE TC's. Very general s/off gave no mention of location or identity and carrier left the air abruptly. They were IDed by Gene Martin around 0100 on 11/13 and I hrd them with ID at 0035 11/14 prior to start of a "radio-novela." (Larry Godwin, from 2 reports, Col.) (Good to hear from you -ed.)
- @ Fairly strong SS speaker first noted around 0400 11/11 and there again on 11/12. Was not there earlier in the evening when I was listening to the unID on 664. Played easy listening instrumental mx. (Merriman, Va.)
- @ Radio Fabulosa here 0410 11/13 with local soccer match. Has pop music at 0510. Loud hat with WRBC. (Hoogerheide, Mich.)
- @ R. Fabulosa moved here ex-670 sometime between 11/9 and 11/14; many IDs and hats Lisbon nicely on low side. S/off 0600 each mite. (Shannon, Pa.)
- @ R. Fabulosa here with US MoR mx 11/17 0315-0400, all instrumentals, mx in well but amsz poor. Hrd ment Guatemala, no positive ID hrd tho. (Pejta, Cal, who had them on 664.2 with new LW-18 freq meter. Good for you -ed.)
- @ R. Fabulosa here and loud; unneeded, believe me. (Schatz, Fla.)
- ** 664.7 Windward Islands. Have been bearing stn I believe is WIRS in Eng with s/off 0215 on 11/3 and 11/12; definitely ment the Windward Islands and the eastern Caribbean. Newscast 11/12 at 0204 covered items from St. Lucia Trinidad and Barbados and ID seemed to be the "Northern News Broadcasting Service." Could this be the projected 10 kw outlet on Caerries listed in the 1970 WHYH for 660 kc.? Signal was generally weak and in spite of it being a good Caribbean evening. (Godwin, Col.)
- @ This unID is in almost every evening but copy impossible. They are in Eng and almost certainly one of the WIRS stns but no idea which one. At times they cause a hat with Lisbon. (Merriman, Va.) (Freq had as 664.7 and the freq for Fabulosa likewise had as 663.8 in both cases by Jerry Conrad -ed.)
- 665 Portugal. Lisbon is the most consistent TA, frequently hrd on AN show. Had audio at 0010 on 11/2 and was good throughout the evening, esp about 0530. IS on the hour at 0100 and 0200 consisted of 4 pips 5 seconds apart followed in 6 seconds by a single higher-pitched pip. However at 0600 11/6 they had clock bongs on the hour rather than pips. (Godwin, Col.)
- @ Portugal and someone else here at 0623 MM 11/16; a 1.6 Hz SAH. (Schatz, Fla)
- 670 Japan. JOBK Osaka good signal with man in Jap 0953 11/9. (Kamp, Cal.)

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675 Nicaragua. YND, Union Radio excellent every eve, particularly good on 11/11 at 0130. There is a low pitched het here probably caused by the Costa Rican. (Merriman, Va.) (also 680 item)

680 Puerto Rico. WAPA San Juan wat on top 11/11 at 0045 with cerveza spot.

695 Dominica. WIBS Roseau fair on 11/11 at 0133. This use^d to be the strongest of the WIBS outlets but not hrd so well this year. (Merriman, Va.)

699 unID. Who is the SS here causing het with WLW? Been hearing this for several weeks, good signal at times but no ID. Rather quiet pgmg for a LA, and easily separated from 700. I suspect this is H1DC in the Dom. Rep. as it seems to loop towards the Caribbean. César? (Merriman, Va.)

700 Guatemala. TGRH, Radio Mundial hrd often, exclnt 0040 11/13. (Fish, Neb)

715 Honduras. Have been trying for several months for HRTV which I need for a new country. There are 2 stns here about 200 Hz apart, both quite weak. Best bearings I can get are 205° for the high side one, and 190 or 195° for the one lower. The higher one is best and has been readable several times. They seem to announce as "Radio Caribe, onda setenta". (Moore, Mass.) (Ray, JKC says HRTV is now using "Radio Caribe" -ed.)

720 Colombia. HJAN, Radio Fuentes, Bqla noted w/apparent s/off 0455 11/13 w/complete list of affiliates and anthem. QRM: WGN, Cuba. (Hoogerheide)

725 Surinam. SRS presumed the one at 0930 with Oriental talk, 11/18. (Kamp)

725 North Korea. Kim-chaek fair 11/16 at 1103 with YL in Korean. (Kamp, Cal)

725 Costa Rica. TILX San José good at 0136 11/11, SRS looped. (Merriman, Va.)

730 Trinidad. Radio Trinidad, Port-of-Spain hrd 11/15 at 2343 with ending of relig pgm, ID by woman then into news all alone on channel. (Truax, W Va)

740 Puerto Rico. WLAC San Juan. S/on 0930 11/16 with SSB and bi-lingual Sp. and Eng. s/on amnt. Easy under Cuba and KCMC. (Shannon, Pa.)

750 Alaska. KFQD at 0957-1004 poor 11/2 with news and sports. Trying for Jamaica and got KFQD o/WSB s/on + 2 unID SS. WSB and KFQD are 180° apart here. (Oldfield, Alta.)

750 Japan. JOIB Sapporo hrd with Eng nx 0959 11/9. NHK ID by man in Eng at 0959²; pips 1000. Excellent signal. (Kamp)

755 Portugal. Audible at sunset 11/3 at 0000-0016 s/off with prominent notes from Beethoven's Fifth Symphony. Voice not readable, and has a long way to go to match last year's sunset reception. (Godwin, Col.)

760 unID. Definite French under KGU 0825-0846 11/2 with no WJR or Cuba, a poor signal with man and woman talking, French songs. (Oldfield, Alta.) (Likely 4VI, Radio Lumière, Aux Cayes, Haiti; evangelical, list 1 kw-ed)

760 China. Peking in well 1337 with martial mx and man in Chinese 10/25 (Kamp)

764 Senegal. Dakar believed the one s/off with unID anthem 0000 11/7, carrier cut at 0001. Poor audio and not readable. (Godwin, Col.)

771 Costa Rica. TIW, Radio City S.J. 0050 11/13 ment C.R. (Fish)

780 Japan. NHK-1 stn hrd 1034 11/9, believed JOKX as is highest power listed, at 5 kw. Jap was poor but in clear, with ZBVI nulled. (Kamp, Cal.)

780 B.V.I. ZBVI Roadtown bombing in 11/9 1021 with man in accented Eng with pgm called "Morning Devotions" and many ment's of St. Croix and St. Thomas. KCRL off this MM. Unn. (Kamp, Ca.)

782 unID. Very weak, DF's to the SW, hrd 0100 11/13. (Fish)

785 No. Korea. Good 1204 11/16. Also 655 good as usual, 725 poor, had both a little earlier at 1115. (Pejza, Cal.)

820 Pyongyang in well 0950 11/9 with man in Korean. (Kamp)

820 Colombia. HJED in well with Caracol ID 0613 after WBAP s/off at 0602. Was not hrd at 0700 check. (Pejza, Cal.)

820 China. Hrd 10/25 at 1347 with martial mx, a man in Chinese, weak. (Kamp)

825 Costa Rica. TIOS, Titania noted every evening, particularly good 11/11 at 0120 with MoR mx. (Merriman, Va.)

830 Japan. JOBB Osaka 'strong as all getout' at 1050 11/16 when overrode WCCO for a moment with man in Japanese but soon went under agn. (Kamp)

830 Cuba. CMCA hrd SM 10/25 1129-1131 with mx, call and slogan ID and into pgm I believe was called "Instrumentales." (Kamp) (slogan is "R. Cordon de la Habana" and "cordon" is the agricultural "green belt" surrounding the city of Havana proper; a Castro innovation -ed.) (No I haven't seen it)

830 Haiti. 4VE with relig pgm in French o/WNYC 11/11 0142, auroral (Taylor, NJ)
 @ Call is not 4VE nor 4VEJ (per FBIS) as both are anned as being SW calls at s/off. (Schatz) (are they 4VEF? Think 4VEH is the 1035 job. -ed.)

850 Colombia. Em. Nuevo Mundo, HJKC, Bogota; hrd with Caracol ID MM 11/9 at 0920, good signal under someone's OC. (Kamp)

850 Mexico. XEM, Chihuahua with rancharo, RCN jingle, call ID 1258 11/16 with KOA nulled. (Pejza)

850 Cuba. Fair o/u/CJJC, KOA silent, 0928-0930 11/2. (Oldfield)

855 Neth. Antilles. Radio Curom, Curaçao quite good 11/11 at 0120 with MoR mx; het on low side from OAX4A. (Merriman, Va.)

855 Ecuador. Radio Bolivar, HCDE2, Guayaquil is likely the one here running AN, if I hrd right. (Schatz, Fla.)

855 Ecuador. Tentative Jipijapa, HCVN4, fair signal only but loop says this is Ecuador, 0130 11/13, Peru noted 1 kc down. (Fish, Neb.)

855 A definite TF here (this must have been a het-ed.) weakly hrd till s/off 0745 11/9 then a weak SS behind, looped same as 880. unID. (Hoogerheide)

870 Cuba. L V de Cuba 0850-0910 11/2 o/u KAIM. Both had equal signal strength but with fading. (Oldfield, Alta.) (WWL seems indeed to be silent MM's-ed)

870 Hawaii. KAIM Honolulu apparently the one with "Hour of Decision" 0903-0925 but faded at ID time. Fair signal but SS QRM. (Kamp)

870 Japan. JOIB Fukuoka with fair signal 1400 10/25 with NHK-2 pips (three short and low, one very long and high) (Kamp)

870 Venezuela. Radio Libertador, Caracas, rarely heard here during daylight at 1858 on 11/2. (Objfio, Dom. Rep.)

** 872 North Korea presumed the carrier msd on 872.6 here 1143 11/16; not on previously reported 874. (Pejza)

874 North Korea. Wonsan in with fair signal 11/9 1016 with woman in Korean, QRM from a het on the low side. (Kamp, Cal.)

875 Costa Rica. Radio Popular, San José probably the LA here at 0142 on 11/11, playing US pop mx with Spanish lyrics. (Merriman, Va.)

880 Dominican Rep. HIOR, Radio Santa Cruz de Mao. This one extremely strong 0959 with many nice IDs on 11/16. Seems to s/on sometime between 0900 and 1000 as Lima is the only one here before 0900. (Shannon, Pa.)

880 Peru. Hrd with native flute and Indian mx 0735, newscast at 0745 with lots of mention of Radio Union and Lima, hrd 11/9. (Hoogerheide)
 @ Radio Union was loud, s-5 to 7 0630-0800 on 11/16, many armts with a police whistle sound effect, seems to have news about :40 to :45 during each hour with elaborate march music intro. Tape and report sent to this heard but unverified country. (Starr, Ohio) (Let us know how you make out with the tape report, Jerry. I don't think tapes have been particularly successful with Peruvians; military gov't there won't help matters)

880 Guatemala. Noted apx 0540 11/2 with "Reloj Musical" ranging from semi-classical to marches. WCBS has been going off occasionally at 0530 rather than normal 0605 to allow tower riggers to install corona discharge gaps across guy wire insulators, some MM's, this is probably all done by now, tho. I don't believe WCBS plans MM operation at present-ed)

881 Wales. Hrd 0640 remaining past 0720 11/11 with commentary. (Taylor, NJ)

885 Montserrat. Plymouth with fair signal 0102 with girl ancr, very good 0119 with Soap opera, was very emotional. All in English. (Merriman)
 @ Plymouth hrd despite WCBS splash 11/8 for country #53. (Edmunds, NJ)
 @ Plymouth hrd IDing at 1900 on All Souls Day when most of the Dominican stns were off, 11/2. (Objfio, D.R.)
 @ Plymouth with news 0130 11/11, in very well, s-6. (Page Taylor, NJ)

890 Venezuela. Radio América, Valencia rarely heard here on daylight at 1908 on 11/2. (Objfio)

900 Barbados. Radio Barbados, Bridgetown hrd 11/15 at 2330 with ID by woman and ad for Caribbean Furnishing House on Marlhill Street; all alone on the freq. (Truax, W. Va.)

900 Mexico. XEW, D.F. 11/7 0800 local-like, and rare here, during wierd CX with only reception directly south, no coast or plains stns in atall. (Oldfield, Edmonton, Alta.)

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- 900 unID. I believe it's Mexico here per looping and strength, but a new format to me. Giving time every minute, and ID as Radio Tiempo. I haven't listened to XEW for ages; is this them? 11/16 at 0732; gone at 0815. (Shannon, Pa.) (No info here, John; 6 issues ago JKC rptd YNWS on an AN show but didn't catch their slogan altho not the expected one, just an outside chance this may be it. Perhaps it is XEW. I don't know -ed.)
- 910 Haiti. New stn in Port-au-Prince, "Radio Nouveau Monde, la Voix d'Haiti" is brand new. (see p. 15, Aug. 1 IDXD; Cesar got 'em -ed.) Dominates early eves until early s/off. Off with incomplete info and anthem (?) 0100 11/16 or, 8pm EST, the 15th, my FF is nil, but s/off goes something like this: "Ici R-M-N (music)...radio Nouveau Monde (twice)...la voix d'Haiti...910 kilohertz...330 metres...7 megahertz F. M. Ici RMN. No calls or power given. Night pgmg is all French and not in Creole. Plenty of US rock, some commercials and very few IDs. (Schatz, Fla.)
- ** 913 Venezuela. YVRQ, Radio Aeropuerto in Maiquetia strong 11/10 0240-0355 with frequent airplane schedules, news and IDs. Sounds a bit distorted, though. Here from 910. (Godwin, Col.) (yes, they have very bad FM -ed.) @ YVRQ is here AN with extremely distorted audio, usual YL ancr. (Schatz) @ Radio Aeropuerto a powerhouse on this freq 11/11, noted at 0103. Many IDs as Radio Aeropuerto Informa; time given by YL. Uses chimes at time checks and the first time I have ever hrd this one off nominal 910. (Merriman) @ Aeropuerto IDed here 0510 11/16. (Page Taylor, NJ)(Msd 913.45-pt)
- 925 Costa Rica. Radio Juvenil, TICM fair on 11/11 at 0143 playing LA pops and US rock. (Merriman) (Your unID here, John Hoogerheide? -ed.) @ TICM rather weak ID 0711 11/17 clearing up another unID for me, thanks once again to the wonderful tips in IDXD. (Shannon, Pa.)
- 925 Neth. Ant. Radio Victoria strong on 11/11 at 0101 ending Back to the Bible; believe s/off is shortly after this. (Merriman, Va.)
- ** 930 Puerto Rico. Radio Eco, WEKO, Cabo Rojo hrd for the first time, IDing at 1903, good signal. (Objfo, D.R.) (on 11/2? -ed.)
- 935 Morocco. Agadir was s-7 on 11/11 at 0322 with Arabic mx, the only TA to sneak through on this auroral evening. (Merriman, Va.)
- 950 unID. Mystery SS stn here noted 0810 11/16 o/u pest KJR and KPRC tone test. IDs both as "Radio Solice" and "Radio Noventa Cinco". Technically very crude, every single recording was 'wowed in'; one mention of "musica-paraguay" quite clear, about 50 or 60 Hz high and drifting. I have a tape, if anybody wants to try it. Help.... (Starr, Ohio)
- 965 Nicaragua. Radio Managua, YNLU good on 11/11 at 0110 with news, frequent ID. (Merriman, northern Va.)
- 980 Mexico. XEKE, Navajoe, Sin. all alone 1225 11/16 with SID's and ran- chero mx. KFWB was silent. (Pejza, Cal.)
- 985 Peru. Raxio Expreso, Lima in fair and fading MM 11/16 with Spanish rock. TC's ran 2 minutes late. Cut carrier 0602 11/16. (Schatz) 11/9 (JWH)
- 990 Puerto Rico. WPRM Mayaguez with SSB at 0900, into Sp. and Eng s/on ~~nmmt~~
- 995 Ecuador. Radio Suceso, Guayaquil believed to be the weak SS noted here at 0112 on 11/11, didn't stick around for ID. (Merriman) @ Suceso with best signal ever noted on this one, completely in the clear with long ID 0929 on 11/16, then long speech w/applause, etc. (Starr, Ohio) @ Suceso weak here, 0830 11/9. (Hoogerheide, Mich.)
- 1000 Virgin Islands. Charlotte Amalie hrd IDing at 2340 11/2 as WWVI, former calls were WBNE. (Objfo, D.R.)
- 1010 Mexico. XEHL, Guadalajara, Jal. 1010-1025 11/2 with Eng and Sp. rock like a local, my best XE of 1970 as XEG and XEFL are always poor here. Lots of singing IDs for "H-L". (Oldfield, Alta.)
- 1015 El Salvador. Radio Internacional, YSC nice call and slogan ID at 0255 on 11/17. (Shannon, Pa.) (Merriman, Va.)
- Int'l excellent at 0113 11/11, gave 3 IDs in 2 minutes along with 3 spots.
- 1020 Colombia. HJDP, Neiva at 0855 11/9 with a "Colosal" signal, gave an address and tel. no. in Neiva, Radio Colosal ID and into mx. (Feidt, Md.)

- 1020 Venezuela. Radio Margarita, La Asuncion YVRS hrd 2232 11/10 o/KDKA during disturbed cx. (Edmunds, NJ)
- 1030 Colombia. La Voz de los Libertadores, HJDU Duitama, moved from 1020, hrd IDing here at 2334 11/2. (Objfo) (Listed 1030 in HJ list in DX News, 5/24/69 -ed.)
- 1040 China, P.R. Evidently the one in unID Oriental lang SM 11/1 1157-1201 with no QRM at all. No break in discussion pgm and no IS on the hour, (Godwin, Col.) (Was likely a propaganda dissemination-ed)
- 1040 Colombia. HJAI Bqla hrd 1035-1050 11/8 with talk by man and woman, IDed as "Radio Tropical." (Feidt, Md.)
- 1042 Cuba. CMBN, Isla de Juventud noted very strong 11/14 0350-0402 with soft mood mx, brief news pgm on the hour in Spanish, then TC and ID as "Radio Caribe, desde la Isla de la Juventud". (Feidt, Md.) (Msd 1041.6)
- 1045 Panama. Ondas del Canajagua, Las Tablas quite good 11/11 at 0455. An excited, long-winded ancr talked for about 5 minutes between records, many IDs, gave freq in kilohertz. Also said, "mas popular en onda larga" and taped for report. (Merriman, Va.) @ After a couple years of trying, finally got a good ID from this one. Is often strong, but has few IDs. Noted 0202 11/17. (Shannon, Pa.)
- 1052 England. Start Point apparent s/on 0600 fairly decent with CJTC QRM.
- 1077 Dom. Rep. HJ Pemas Quisqueya, HJMC hrd 0412 11/20. (This and 1052 Taylor)
- 1080 Venezuela. YV--, Maracay, Radio Universal. This one hrd many times as Radio Universal, but no further ment of location. Tnx to Objfo's tip in IDXD for location. They were on 1083a on 10/26 but back on 1080 and so noted 2311 11/16. (Shannon)
- 1080 unID. SS hrd here 0437 11/9 looping 170° either YV or HI. (Edmunds)
- 1090 Dom. Rep. HIJM Santiago de los Caballeros noted 11/9 o/u hash here at 0940-0947, had news by ~~man~~ and woman in Sp., much use of adjective "dominicana"; ID by gal 0945 was "Radio Armistad de mil noventa" and ~~WBAL~~ zapped 'em with OC at 0947. (Feidt, Md.)
- 1115 Nicaragua. Radio Circuito in Leon audible off and on 0300-0430 on 11/12 with this ID noted at 0302 and 0426. QRM from another SS a few ~~Hz~~ lower, perhaps Colombia. (Godwin, Col.)
- 1124 Libyan A.R. al-Bayda 2215-2220 11/3 with Arabic folk mx, a nice s-6 level and practically no QRM. (Feidt, Md.)
- 1133 Spain. unID. In loud and clear 0727 MM 11/16 with girl, commercials. Could not catch ID, though likely Vigo. (Schatz, Fla.)
- 1137 Colombia. Rio-Mar definitely has been here, seems steady on 1137 or 8 and have so noted on the past 14 days at daily check. Noted on 11/12 with drama ending at 0000 with Rio-Mar ID. (Page Taylor, NJ)
- 1145 Honduras. HRQN, L.V. del Atlantico fairly good at 0325 on 11/11 with many spots. (Merriman, Va.)
- ** 1155 Cuba. Radio Banes, Banes hrd s/off at 0440 on 11/8 with ~~WA~~. A move from 1310. (Objfo, D.Rep.)
- 1155 El Salvador. YSCF, Ondas Orientales very good at 0326 on 11/11. IDs with both call and slogan. Taped for report. (Merriman)
- ** 1160 Colombia. HJAZ, Emisora Sinu, Monteria. This one IDs as Todelar and mentioned Monteria so I believe I am correct in saying it is HJAZ although Objfo said they were on 1150 a few weeks ago. Maybe they have moved back here. Noted 0636 11/16. (Shannon, Pa.)
- 1161 Colombia. HJBL, Cienaga, ondas del Cienaga Grande, very nice and easy to separate from the mess on 1160. Beautiful complete ID with call, slogan, location and network at 0300 11/17. My 3rd HJ this freq. (Shannon)
- 1178 Okinawa. Audible with "Yankee Doodle" IS at 1330 11/6 with sharp het against KOFI. This is by far the best TP here, with Pyongyang-655 in second place. (Godwin, Col.) @ VoA good 11/9 at s/on with IS 1058. ID in Eng. for Okinawa 1059, then IS again. Into Chinese pgmg 1100. KLOK being off MM now helps. (Kemp)
- 1187 Guatemala. TGT Sonora en Guatemala completely destroys WOWO many eves and was quite good 0338 11/11 playing "Yellow River." (Merriman)

=== NRC's IDXD .. with MW DX info unavailable elsewhere! ===

- 1190 Puerto Rico. WEMJ, San Juan, hrd for the first time on 11/2, IDing at 2324 with news, all in English. (Objio, D.R.) (locals were off)
- ** 1196 unID. Africa. Not Arabic but with fast drums and shouting, à la Dakar. Sounded like SW noise at first. Noted about 2330 11/11. Anyone know who? (Schatz, Fla.)
- 1210 Venezuela. Radio Coro, YVMN clear and alone 2330-0000 11/9 with severe aurora cx. (Hoogerheide)
- 1210 unID. UFO (unID foreign oriental, for benefit our newer members-ed.) hrd under KGYN OC (s/on at 1130) at 1127 11/16; looped toward Japan, not Hawaii so probably JOOR. (Pejza, Cal.)
- 1221 unID SS: Tangos, noted 0447 11/9, very weak. (Godwin, Col.)
- 1225 Costa Rica. TIGM finally IDed here, thanks to RFS tip in the last IDXD. As with Ron, however, I can't figure out the 2 letters in the slogan used by the gal anc. 0525 11/16. (Shannon) (Why not write and ask her?)
- 1240 Mexico. XEWG, Cd. Juarez, Chih. with ranchoero mx 11/16, ID 1237 and then dropped back into the pileup.
- 1240 Dom. Rep. Radio HIN, Sto. Domingo, hrd here on 11/7 at 0315, drifting, but don't consider this a change of freq. (Objio)
- 1255 Cuba. Reloj Nacional, CMKA, Guantánamo, hrd with news IDing every minute at 0505 11/8. (Objio)
- © Reloj Nacional has rather low modulation in contrast to other Cuban R.N. stations. I often get it just as a carrier. (Shannon, Pa.)
- © R.N. has been hrd with fair, at least, modulation; there is another LA here, perhaps a TI--, on 1254.6. (Page Taylor, NJ, phone tip)
- 1269 Cuba. Reloj Nacional, Camagüey with nx and TC every minute, 0517 (Objio)
- 1295 England. BBC Crowborough had best signal this season 11/16. First hrd with 3/4 Big Ben at 0545, then into Eng. Noted again in French at 0640. (Schatz, Fla.)
- 1310 Mexico. XEHV, Veracruz. Slogan for this one is "Radio Puerto de Oro." Good in Miami in early AM's. (Schatz)
- 1320 Mexico. XERJ, Mazatlan, Sin. with TC's, spots for "Pacífico", 1252 11/9. (Pejza)
- 1337 unID SS. with Sports commentary 0735 MM 11/16. Heavy fading; looped S to SSW. (Schatz, Fla.)
- 1349 France. ORTF synd net potent, news 0552 11/16. (Taylor, NJ)
- 1350 Hawaii. KTOH, Kauai island 0550-1000 s/off 11/3, poor at first then it takes over KRLC and CJDC till s/off. Tnx, REW. Their signal continues to amaze me, but it is never an indicator of other Hawaii or TP-DU cx; their xmtr is 1/2 mile from Lihue on the Airport-Kapaa highway with a 1,134 foot mountain nearby, which maybe is a reflector? (Oldfield, Alt)
- 1375 St. Pierre. Msd on 1374.75 at LSS 11/6 with ORTF in on 1376 too. Freq checked with vernier dial, slipstick and also by ear on the het. (RJE)
- 1378 unID. LA hrd on 1378.5 several nights lately, possibly CM- or HI-; mx and talk in Spanish but too far into noise (high lately) to ID. Was hrd in AM's, here, 11/8-10-11. (RJE, NJ)
- 1379 Mexico. XENSM, La Paz, B.C. Sur hrd apparently with sports event, SM 11/15 0428-0535 easily separable from KGMS and ID as Radio La Paz. It seemed to drift from 1379.4 to 1379.6 but stable on .6 after 0500. It is not on the RFS Mexican List. Listed in 1969 BYB and VJ4 as XEVQ but this call now belongs to Navolato, Sin. on 830. Hrd several times since, and seemed to be AN MM. (Pejza, Calif.)
- 1380 Mexico. A good clean "Radio Eco" ID 0730 11/2. Not loud in Marquette, in fact not noted at all on good auroral AM of 11/9. (Hoogerheide)
- © Radio Eco. Thought this was WBNX for a couple weeks until I learned WBNX no longer AN, thanks to DX News. Listened more carefully and it was indeed Eco and not Equis. Watch out for this one, it is very strong. Hrd 0615 11/16. (Shannon, Pa.)
- 1403 Guinea. Conakry, on 1402.6, with news by man 0607, potent, easily separated from 1403. (Page Taylor, NJ)
- 1425 Greenland. Thule AFB AFRIS 0940-0956 poor 11/1; 1006-1016 11/2 agn poor, C&W, light rock. Kesteven hrd 'em 10/26. (Oldfield, Alta.)

- 1475 Asiatic RSFSR. Khab. or Vlad., good signal 11/16 1034 with Chinese pgm, as per report appearing in IRCA from Art Peterson., in the 10/17 issue. (Kamp, Cal.) (Believe REW reported this, last year, from Hawaii)
- 1493 France. Common wave apparently AN due to de Gaulle death 0515 11/11 (RJE)
- 1502 Spain. Strangely enough, a break in the 'quasi-auroral' cx (which also allowed first good signal from 1586 this season) brought in common wave here 0510 11/11, along with 1493. (Edmunds, NJ)
- 1506 Anguilla. Strong with news 2254 11/11; interpolated freq and read it as 1506, am hearing this one daily from this time on. (Page Taylor, NJ)
- 1510 unID SS, very weak with WLAC silent 11/9, looped due Douth; WLAC ran AN am of 11/16. Pity. (Schatz, Fla.)
- 1529 Vatican. In with extremely strong signals 11/3 2202 with readable audio in a very funny sounding lang (latin? -ed) Ctry #52 logged. (RJE)
- 1550 Asiatic RSFSR. Khabarovsk good in Russian 11/16 at 1038 with unID domestic looped, hrd with man talking in Russkiy. (Kamp, Cal.)
- 1550 Mexico. XENU, Nuevo Laredo, Tamps. all alone 1245 11/9 with call ID and news. (Pejza)
- 1560 Mexico. XEVIP with CBS pgmg (yay-ed.) in English 0530 11/13 but ID in Spanish; all alone at this time (except for 2RE of course-ed) (Hoogerheide)
- ** 1560 Mexico. XEJPV, Cd. Juarez, Chih. apparently has changed slogan from Radio Chamizal to Radio Alegria. Hrd 1235 11/9 with one Eng ID as "J P V, --- radio on 1560" and then one rock song, back into Spanish & ranchoero mx; spots for a place in El Paso. (Pejza, Calif.)
- 1575 unID SS noted here 11/11, 0205 to after 0300. Had a drama at 0205, later around 0300 play by play sports, probably baseball. Good signal at times but having transmitter problems as left the air abruptly at 0217, back by 0220. Loops toward Caribbean so probably a HI-. (Merriman)

* * * * *

We have some veries this week, including one report which was conveniently written on both sides of the paper, giving me the choice of (1) discarding all items on the reverse, or (2) copying them over so that they aren't lost when I cut up the sheet for sorting. In fact I had an IDXD 'heard' report like that this week. I chickened out and copied all those items over, hi. Due to all that time, I'll hold the veries until next week. Even more remarkable was the fact that one of the reports to which I refer was sent to NRC HQ in Boston...for inclusion in this section which is written in New York. Believe it or not, it takes in excess of an hour to type just one of these pages (try it if it seems far-fetched...) so, with all else that I have to attend to, I hope it isn't too much to ask that all reporters try to adhere to the basic reporting format. The only thing I really ASK is to limit oneself to one side of the paper. Anything else, I can cope with. Many tnx.

Foreign Station Changes (From Broadcasting)

- © New AM stations, final actions: Kodiak, Alaska - Loren F. Bridges. Broadcast Bureau granted 570 kHz, 500 w, 1 kw-LS, U. PO address: 3555 Harding Ave., Honolulu 96816. Estimated construction cost \$11,354; first year operating cost \$12,500; revenue \$35,000. Mr. Bridges, sole owner, is Gen. Mgr. of KAIM Honolulu, and is a radio consultant. Action Nov. 10. (de Broadcasting)
- © Call letter action: Bethel Broadcasting, Inc., Bethel, Alaska granted KYUK.
- © Existing AM Stations, applications: KBYR, Anchorage, Alaska - seeks CP to change frequency to 700 kHz, decrease night power to 500 watts. Ann. 10/23.
- © Existing AM stations, final actions: KFQD Anchorage - Broadcast Bureau granted CP to install new transmitter for auxiliary use on 10 kw. Action 10/10.

Congratulations to IRCA for making the change to GMT in their DXWW section. This will make it easier for all DXers interested in foreign DX, now that we have a common reference. Also to Father Jack on his new freq meter. Who'll be the next to put up a several-thousand foot Beverage Wave? (be sure to remember to point it at some DX...)

Loop Distortion — why get skewed?

*GPN

Loop antennas offer several advantages to the MW DX'er over other types of antennas. In the presence of local noise (generated by neon signs, etc., within a few hundred feet of the receiver), a loop will actually pick up less noise than a vertical or "longwire" of equivalent signal pickup. In a well designed loop, the very high Q provides such sharp tuning that overload problems caused by powerful local stations are often greatly improved. But the loop's most important feature for the DX'er is its ability to null out unwanted signals; this same nulling ability makes direction finding possible with even simple equipment.

How deeply can a loop null out an unwanted signal? When we first began to research high-gain, deep nulling MW antennas at MIT about 5 years ago, our initial reaction upon reading the standard texts and references was that it ought to be a trivial exercise in engineering to produce an essentially "ideal" loop for DX'ing and so we confidently set out to do so. Our first efforts failed rather miserably - not only were we unable to completely null out our locals, on some stations we hardly got any nulls at all. These first antennas further showed some of the same pathological characteristics reported by many loop users: unequal peaks and nulls, nulls that were not 180° apart, and shallow nulls on most local stations. After much experimentation, loop winding, and equation solving, we believe we have isolated most if not all of the factors responsible for poor loop nulling; the results of this research were designed into the Altazimuth loop (plans in Volume 37, Number 1 of DX NEWS). In all but a few cases the Altazimuth loop is capable of nulling local stations down by a factor of at least 80 db; in most cases this means a drop in signal strength from say 60 db over S9 to an S2 or S3 jumble of unintelligible skywave backscatter sounding somewhat like single-sideband reception. Here in Boston for example, there's no problem logging XEQR on 1030 with WBZ nulled out, or WCBM/WPTF with WRKO eliminated.

If you are unable to obtain "total" nulling with your loop (i. e., down to the point where all you hear is distorted skywave backscatter during daylight hours) on powerful locals, your problem may be some or all of the following:

- Defective loop design (poor geometry). A loop whose winding is too wide in comparison with its diameter is insufficiently planar and the skew in the windings will distort the pattern and blunt the nulls. The width of the winding should be as short as possible; "spiral" or "pancake" loops have optimum geometry for nulling and frequently show better nulls than a box-type with equivalent pickup.
- Defective loop design (electrical). It is extremely important that virtually all of the signal delivered to the receiver be from the magnetic pickup of the loop and that there be no pickup from the transmission line to the receiver or the entire body of the loop acting like a short vertical antenna. Unwanted electric field pickup resulting from faulty loop design or construction is the most common cause of blunted loop nulls and distorted loop patterns and we shall look more carefully at this basic problem later in this article.

- Elliptical signal wavefront. The polarization figure of the signal you are attempting to null is in the end the final determinant of just how deeply the signal can be nulled. Given a mechanically and electrically perfect loop antenna, the maximum null depth (that is, the difference in decibels between the signal peaked and nulled) cannot be greater than the ratio of minor to major axis of the electric vector polarization ellipse of the signal (in db). This means that regardless of how good the loop is, the null depth for a particular signal will depend upon the polarization of the wavefront from the signal in question. What the DX'er wants is a wavefront that is linear as possible, that is, as close to a linear polarization figure as possible. For powerful groundwave locals, the degree of polarization ellipticity depends upon several factors: the transmitting antenna, the properties of the ground between the transmitter and receiver, the frequency, and the amount of reradiation from nearby phone and powerlines, etc. Here in the author's urban Boston location, all but two of our 12 powerful local stations have essentially linear wavefronts and can therefore be totally looped out. The remaining two, however, WHDH-850 and WHIL-1430, have "defective" wavefronts and cannot be nulled by more than 26 and 44 db respectively. Fortunately the degree of ellipticity changes somewhat with the season and with routine transmitting antenna maintenance which means there is some hope for the future even if you happen to be unlucky enough to have one of these refractory cases in the area. In effect, therefore, the question of how well you will be able to null your particular locals once you obtain a suitable loop will depend upon strictly local factors. Careful loop design and construction can only bring the null depth down to the point limited by the shape of the signal wavefront itself.

Loop defect (b) above is the most common and serious cause of distorted loop patterns and shallow nulling. Consider the case of a well designed and constructed loop whose width is negligible compared to its diameter and suppose you are attempting to null a perfect local signal with purely linear and vertical polarization by rotating this antenna. If this antenna is properly electrically balanced, the station will be completely eliminated in each null and the nulls will be exactly 180° apart as the antenna is rotated. If, on the other hand, the antenna is not electrically balanced, the station may not be totally eliminated in one or both nulls, the depths of the two nulls may not be equal, and the nulls may not be 180° apart. Any or all of these symptoms indicate the presence of electrostatic imbalance and mean that you are not getting all of the performance from this antenna that you might. How much electrostatic imbalance is acceptable before the performance of the loop is significantly degraded? Let us consider the above case of the ideal loop and the ideal local signal and see what the effect of electrostatic imbalance will be on the null depth and the pattern symmetry (that is, how much the null directions depart from the ideal value of 180°).



Perfect loop pattern + Electrostatic pickup = Distorted pattern

The instantaneous voltage induced in the loop by the signal is given by

$$E(t) = B \cos \theta \cos(\omega t) \quad \text{where } \theta \text{ is the azimuth angle of the loop plane, } \omega \text{ is the angular frequency, } t \text{ is time, and } B \text{ is proportional to the frequency of the signal, the area and number of turns in the loop, and the strength of the signal.}$$

(see High Precision Direction Finding, Part I, DX NEWS, 1965 for the derivation)

Let us suppose that there is also a pickup from the electric field of the signal caused by electrostatic imbalance due to faulty design or construction; the electric pickup voltage may then be represented by

$$E(t) = E f(\theta) \sin(\omega t + \phi) \quad \text{where } f(\theta) \text{ is the azimuthal dependence of electric component pickup, } \phi \text{ is the phase shift between the electric and magnetic pickup voltages (compensated for induction quadrature), and } E \text{ is the amplitude of the electrostatic pickup.}$$

We will then set the total instantaneous voltage delivered to the receiver equal to the sum of the magnetic and electric pickups and average the squared total voltage over one cycle to obtain the mean squared value:

$$V(t) = B \cos \theta \cos(\omega t) + E f(\theta) \sin(\omega t + \phi)$$

$$\begin{aligned} \int_0^{2\pi} (V(t))^2 dt &= \int_0^{2\pi} B^2 \cos^2 \theta \cos^2(\omega t) dt + \int_0^{2\pi} E^2 f(\theta)^2 \sin^2(\omega t + \phi) dt \\ &+ \int_0^{2\pi} 2BE \cos \theta f(\theta) \cos(\omega t) \sin(\omega t + \phi) dt \\ &= 2\pi \left[1/2 B^2 \cos^2 \theta + 1/2 E^2 f(\theta)^2 + BE \cos \theta f(\theta) \sin \phi \right] \end{aligned}$$

In order to determine the location of the peaks and nulls of the resultant pattern we must differentiate with respect to θ and set the derivative equal to zero:

$$\frac{d}{d\theta} (V(t))^2 = -B^2 \cos \theta \sin \theta + E^2 f(\theta) f'(\theta) + BE \sin \phi (\cos \theta f'(\theta) - f(\theta) \sin \theta)$$

The peaks and nulls of the pattern then occur at the angles θ_E which are the solutions to:

$$\theta = (\cos \theta_E + E/B \sin \phi) \sin \theta_E$$

in the event that $f(\theta) = 1$; i.e., that the electric pickup is omnidirectional.

The second derivative test shows that the pair of solutions,

$$0 = \sin \theta_E, \quad \theta_E = 0^\circ \text{ and } 180^\circ$$

correspond to the peaks in the pattern pickup so long as the quantity

$$(B + E \sin \phi) > 0;$$

in practice this is always the case unless an extremely long unbalanced feedline is used. This means that the remaining two solutions represent the pattern nulls:

$$0 = (\cos \theta_E + E/B \sin \phi) \quad \text{or}$$

$$\theta_N = \cos^{-1} (-E/B \sin \phi)$$

This last equation is very important to the loop designer since it now shows that the null skewing (that is, deviation of nulls from 180°) depends only upon the ratio of electric to magnetic pickup and the phase relationship between them. We now have derived the first important result of electrostatic imbalance in a loop antenna, skewed nulls.

What about the effect of imbalance on null depth, that is, the ratio of pickup at null to that of peak? Recall that the mean-square pickup is given by

$$\overline{V^2} = 1/2 B^2 \cos^2 \theta + 1/2 E^2 + BE \cos \theta \sin \phi;$$

since we know that $\cos \theta = -E/B \sin \phi$ at the direction of null, the signal pickup at null is then given by:

$$\overline{V_N^2} = E^2 (1 - \sin^2 \phi)$$

and the ratio of signal pickup (mean squared) at null to that at peak is given by:

$$\frac{\overline{V_N^2}}{\overline{V_E^2}} = \frac{E^2 (1 - \sin^2 \phi)}{1/2 B^2 + 1/2 E^2 + EB \sin \phi}$$

If we assume that B has unit value, we then obtain the final solution for null depth as a function of the amount and phase of the electrostatic pickup:

$$\text{Null Depth (db)} = 10 \text{ Log } \left[\frac{E^2 (1 - \sin^2 \phi)}{1 + E^2 + 2E \sin \phi} \right]$$

We may now calculate the amount of null skewing and blunting as we vary the phase and amplitude of the electric signal pickup.

Before we proceed to evaluate these expressions in order to get a feel for the sensitivity of the nulling capabilities of a loop to the slightest bit of electrostatic contamination, a few words about ϕ . In our experience, the electrostatic component tends to be coupled into the loop signal capacitively if there is in fact a reactive component at all. In a directly coupled loop (i. e., where the magnetic signal is taken directly from the tank) the electrostatic pickup (usually associated with the feedline) is usually shifted no more than 30 or 40 degrees. A link-coupled loop, on the other hand, introduces an additional phase shift of 90° ; in this case the effective value of ϕ is much higher. In other words, coupled loops with link-takeoff are often more sensitive to the effects of imbalance on null skewing than are direct coupled loops.

The following table shows the values of null asymmetry (the difference in null azimuths) and the calculated null depths for various amounts of electrostatic pickup (E/B), expressed in db. Four values of ϕ are shown, corresponding to effective phase advance for a direct-coupled loop; the same table is valid for link-coupled loops if the complement of the phase angle is taken instead. Notice the great effect that even a small amount of electrostatic contamination can have on both null depth and symmetry; in the case of $\phi = 60^\circ$, as little as 1% (= -40 db) electrostatic contamination will limit null depth to -47 db and skew the nulls a full degree.

$\phi = 0^\circ$:

E/B (db)	Null depth (db)	Null skew (degrees)
-20 db	-20 db	0
-40 db	-40 db	0
-60 db	-60 db	0

$\phi = 30^\circ$:

-20 db	-23 db	5.8
-40 db	-42 db	0.6
-60 db	-62 db	0.1

$\phi = 60^\circ$:

-20 db	-28 db	10
-40 db	-47 db	1
-60 db	-68 db	0.1

$\phi = 90^\circ$:

-20 db	$+\infty$	11.6
-40 db	$+\infty$	1.2
-60 db	$+\infty$	0.1

The expressions which we have derived and evaluated agree very well with actual experiment and help to explain many seemingly inconsistent observations about null depth and asymmetry. Note that the symptoms of an unbalanced loop configuration can be skewed but deep nulls, symmetrical but shallow nulls, or, most commonly, both shallow and skewed nulls.

At one point back in the middle of the equations we casually snuck in the assumption that the electric pickup term did not depend upon the azimuth angle, that is, that $f(\theta) = 1$. To a first approximation this assumption is pretty good since most electrostatic pickup comes from the feedline and/or the entire unbalanced loop acting as a short "vertical" antenna without pronounced directional properties. What if the source of the electric signal component does have a significant azimuthal pattern? Qualitatively this can be considered by looking at the mean squared pickup expression,

$$(V(t))^2 = 1/2 B^2 \cos^2 \theta + 1/2 E^2 f(\theta)^2 + BE \cos \theta f(\theta) \sin \phi$$

Note that since Cosine is an even function, the pickup at any particular θ angle will be the same at $-\theta$ if and only if $f(\theta)$ is also an even function, i. e., if $f(\theta) = f(-\theta)$. In the case of the earlier assumption of $f(\theta) = 1$, this was indeed the case and the resultant patterns, while distorted in azimuth and/or null depth, were symmetrical about the θ axis. This is a most important observation because it frequently provides useful clues about the origin of the imbalance in a particular loop. In the figures below we illustrate what we mean by symmetry about the θ axis in a skewed loop pattern. In the first case (corresponding to the assumption that $f(\theta)$ is an even function), the nulls are skewed and blunted but the depth of the nulls is the same on each side.



In the second case, $f(\theta)$ is not an even function and as a result the null depths are not equal. This is a fairly common form of loop malfunction and is the worst possible pattern for the DX'er; not only are the nulls skewed and shallow, they aren't even the same on each side. Since the general form of $f(\theta)$ is not generally known there is no point in assuming a particular form of the azimuthal dependence aside from considerations of symmetry. We have solved the equations for the assumed $f(\theta)$ of the form

$$E(t) = A \cos(\omega t) \cos(\theta + \delta) + B \cos(\omega t + \gamma)$$

and this expression appears to approximate the behavior of at least some actual loops fairly well.

In this article we have attempted to explain the origin of many common types of loop malfunction and to stress the importance of electrostatic balance in the design and construction of loops for DX'ing. Unless your loop has nulls that are exactly 180° apart, of the same depth, and can supply nulls on locals to the limit of the polarization figure of the signal, you aren't getting nulls that are as deep as they might be. In future articles we will give some tips on cleaning up loop nulls and eliminating electrostatic imbalance from a variety of origins. Some of these points have already been mentioned in High Precision Direction Finding, Part II, in a past issue of DX NEWS.

Gordon P. Nelson, NRC HQ...

Wow, what a flood of material this issue... The flood of Musings (19 pages!) this week has forced us to hold over at least a dozen and a half pages of good feature material until next week; watch for several 40-pagers in a row as we try to catch up. We had hoped to have our review of the "Space Magnet" for this issue but we've got one more set of tests to run on it; we've had one here for a week and have tested it very extensively side-by-side with the big altazimuth and in the lab; we strongly suggest that anyone thinking of buying one immediately wait for a week to see our results. Don't let the letter that comes along with the advertisement fool you; as best we can tell after many phone calls from the membership, everyone in the club got the same promotional material - including recent new members. The Hyannis meeting was small but interesting; the group got to see the copy for the new LA Log which is going to the printer this week and were suitably impressed with the fine job that Howard Fountain has done! Stew Drake, your unid on 1210 was WADE, several full ID's taped herethat AM; Foxy, who was here at the time, was somewhat surprised as he says they don't run ET's very often (I was trying to get KZOO for Foxy...). RICHARD WOOD and RFS: What's this about "Beveridge?" Find below the title portion of his original 1923 paper, still the classic reference for wave antennas. For those of you interested in the Beverage antenna, we've got copies of the original paper which contains all of the drawings, equations, and measurements that anyone will ever need to understand the Beverage. It runs about 40 pages long so please send along a couple of bucks for duplication costs. We also have copies of articles describing mechanical filter conversions which appeared in most of the major Electronic and ham magazines some years ago when Lafayette first brought out the Kokusai units. Write HQ for further information. The Midwinter Anomaly officially began about a week ago (so defined by ionospheric riometer measurements)... Good DX...

The Wave Antenna

A New Type of Highly Directive Antenna

BY HAROLD H. BEVERAGE, CHESTER W. RICE, and EDWARD W. KELLOGG
Assoc. A. I. E. E. of the Radio Corporation of America Assoc. A. I. E. E. of the General Electric Co. Assoc. A. I. E. E. of the General Electric Co.

Review of the Subject. - A small bungalow in a grove of oak trees just outside of Riverhead, Long Island, with a line of poles along a country road, carrying two copper wires, and ending by a

factors remain the same, and calculating the relative v current for various directions of signal wave, we can directive properties of the antenna. The result is

DOMESTIC
X
IGEST



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midnight to sunrise

- 540 CHXQ-NC LPRT hrd w/BC wx, marine info, sports, 11/9 0303-0320 s/off, w/anncts for CBU, booming signals (Kamp, ~~xxxx~~ Calif)
- 620 CKCH-Ga Hrd ID 10/30 0036 w/pops (Craig Koukol, Naperville, Il.)
- 740 KJHC-Tx Good sig w/unid SS looped 11/9 0400-0410 w/ c/w mx (Kamp)
- 900 WSMW-FL On w/ ET w/ varying tones 20c-1000c 0155-0215 11/9 o/CHML (Dave Copeland, Bklyn, N.Y.)
- 930 KHJ -Ca Hrd alone w/rr 0420 11/8 w/ WKY off for a change (Blake Lawrence, Canon Cy, Co.)
- 940 CJIR-BC Tuned in for DX TEST 11/8 0307 & hrd dominating channel, sounded like RS w/ rr, DJ show, SID, spots. Messed up by KFRE ET 0322-0327 tune-out. (Kamp)
- unID Hrd very wk TT 0321-0337 on 11/8, help? (John P. Lombardo, Irvington, N.J.) Well, John, seems as tho' you hrd KFRE..-RJE
- 980 WRC -DC Hrd v. good @ s/off 0137 11/2 (Lombardo)
- X 1080 KWJ-Or Hrd w/ c/w mx 11/8 0409-0420 (Kamp)
- * 1000 KOMO-Wa Is on w/TT alternate MM's starting 11/9 per letter which sez is test for EBS from 0300 s/off to 0800 s/on (Mike "Doc" Harvester, Modesto, Ca) Welcome, Doc, more from you soon??-RJE
- 1020 KDKA-Pa AN MM 11/2 w/old-time radio pgms commemorating 50 yrs. broadcasting. Interesting listening for a youngster like me, hi (Marv Garber, Lincoln Nb)
- 1050 CJIC-On In the clear 0215 11/2 w/ AN MoR pgm o/CHUM w/ KE3 Off !! (Garber)
- X 970 WWSW-Pa Hrd 0253 11/2 w/ ID, MoR o/u SS, & NSP KAKC, not hrd in years (Garber)
- 1110 WBT- NC Logged 0230 11/5 w/Hi Fair bu fady sigs. Note: KFAB has been off irreg. weekdays to repair XR & DA. (Garber)
- KRLA-Ca Hrd ard 0230 11/5 w/rr w/ WBT looped. Extremely rare here. (*)
- 1140 CKXL-Ab Vy wk w/rr, slpo from KIIS, KDEF 0319 11/9 (Lawrence)
- *+1150 KDEF-MM Listed SP is apparently incorrect as are on MM's. (BL)
- CKX -Mb Probably the onehere w/ CST TC's, pop mx & Canadian nx 0400 11/9, but literally cremated by KIIS, KDEF (BL)
- WGOW-Tn Hrd on RS 11/8 0400 (Lombardo)
- *+1210 WCAU-Pa Was off MM 11/2, so maybe not NSP (Garber) Off 11/2 & 11/9 MM's (Page Taylor, Butler, N.J.) & (RJE) (Garber)
- 1250 KSNW-Az DX hrd wk u/WTAE 0203-17 10/19 w/ C/W mx & mention of a "DX test"
- X+1200 WOAI-Tx Is now NSP, so goodbye CFB, sob (Garber) Yecch-RJE
- 1250 CHWO-On Hrd u/WTAE 11/5 0121 (Lombardo)
- 1300 WMAK-Tn In all alone 11/2 0225 (Lombardo)
- 1310 WISE-NC Hrd ID u/mess 0208 11/9 (Copeland)
- 1320 KXYZ-Tx Noted on M 11/9, NSP? (Lawrence) Yup- RJE, per Garber
- 1330 WBLT-Ga Testing w/ mx way o/WHOT 11/9 AM (Copeland)
- *+1350 KXCL-IL Hrd w/ c/w 0434 11/8, must be AN (Lawrence)
- 1380 KMS-Ca In clr w/ good sig 11/2 w/ class. mx 0210-16. EC'ers, this should make it as is a clear channel after KWK's 0200 s/off. (Garber) Exce t for XBCO, WLCY, & WAOK, it should, hi-RJE
- KRKO-Wa Hrd w/ KMS looped w/ SID & rr 0216 11/2. This was only one left after KMS's 0300 s/off. (Garber)
- 1410 WING-Oh Alone w/ exc. sigs. & rr 0331 11/9 (Lawrence)
- 1480 KWTZ-Ca Hrd 0259 s/off 10/26 w/ XBOX looped. (Garber)

1480 KYOS-Ca S/off 0301 w/SSB leaving WISM, KBOX. Cal. # 32 here (Garber)
 1550 WPXY-NC Had ET 11/2 w/ QFM de CBE 0030+ (Lombardo)
 X*1450 KLWW-Ia Hrd on AN sked 0150 11/2 w/rr & SID's (Garber)
 X*1380 WAOK-Ga ID on POP 0024 hrd thru AM 11/16 w/ TT, mx o/u XECO(Taylor)

sunrise & daytime

1030 KCTA-Tx Hrd w/EE religion pgm 10/25 0706-30 then EI IB, into SS (Kamp)
 1480 WCFR-Vt W/rr, SID's 0910-0917 11/10 (Wait Rogers, Concord, NH)
 1500 WFIF-Ct Hrd w/ nx 1604 11/9 (Rogers)
 1530 WELA-NJ Sporst pgm hrd 0849 -52 11/10 (Rogers)
 WMBT-Pa Hrd nx & furniture ads 0854-59 11/10 (Rogers)
 1540 KBUY-Ca Fair w/ KXEL mullid 11/9 0610-0614 when lost to Mex. stn. Had c&w mx, DJ said "were on experimental hour this AM" (Kamp)
 1570 WBUZ-NY ID & nx 1600 11/9 atop all (Rogers)
 1600 WMCR-NY W/ promo 0823 11/10 thru WUNR (Rogers)

sunset & evening

580 KALB-La Fair 2329 w/ID 10/30 (Koukol)
 600 WRBC-Tn Exc. sig atop w/nx 1905 11/11 (Lawrence)
 690 WYIX-La Hrd 1958 w/ID 10/24 (Koukol)
 888B EBIF-Ga Fair w/ religion 1929 11/6 (Lawrence)
 910 WABI-Ma Hrd alone 1947 when no other stns from north audible, which is very strange indeed (Page) Congratulations .1 or some other dubious comment... -RJE
 950 WSPA-SC ID & TC 2000 w/ CBS nx 11/3 (Koukol)
 WKAZ-WV Nx on Charleston 2002 11/3 (Koukol)
 ENPT-NM Hrd 11/11 1913 ending; nx w/ no KIMN (Lawrence)
 KATH-Id Bombing in w/ c&w on SSS 11/2 1854-1907 wk. w/XEGM looped.(Kamp)
 980 KSVU-Ut S/off SSB 11/6 1915 (Kamp)
 WKLM-NC S/off 1715 11/10 taped w/ NC all over dial (Page)
 1000 WCTB-NC Uptempo rr 1635 in v. early (Page)
 1050 CKSB-Mb Good 1835 w/ ads, pops in FF 11/3 (Koukol)
 KUPK-Ka Well hrd 1820 w/ local, state wx 11/4 (")
 1060 KSPX-SD Fair 1800 w/ ID, nx KYW looped 11/4 (")
 KLAN-Co S/off 1845 no SSB u/KYW 11/4 (")
 CJRP-Qa Hrd thru QFM 1845 in FF 11/1 (")
 1070 WUCT-WJ Finally hrd w/ oil co. ad, TC, SID 1642 11/10 (Page)
 1060 KYW -Pa Poor u/KNOE,KUPD w/ nx 2045-50 11/6. atop later 2057. (BL)
 1110 WSPW-NY S/off 1646 11/10 w/ "Synchopated Clock" (Rogers)
 1150 WJBR-NC Hrd 1649 11/10 w/ID, all alone (Page)
 WMBB-Fl Hrd on RS @ 1805 w/ long wx rept. in auroral cx 11/10 (Lombardo)
 1190KLIF -Tx TC 2042 w/ ID 10/28 (Koukol)
 CFSL-Ga 1936 hrd local "Dog & Suds" ad 10/30 (Koukol)
 1220 WSOQ-NY Hrd w/ long wx rpt, ads, s/off 1640-44 11/10, no SSB (Rogers)
 1270 WMLA-NY Hrd faily good w/ s/off 1645 11/6 (Lombardo)
 WJFY-NC Hrd 11/10 1647 w/ ad for mobile home park, mixing w/ WC3C(Page)
 X 1220 WENC-NC End of NC Net nx 1655 11/10 (Page)
 1270 WYMT-Fl W/ Fla. Blue Shield comm'l 1750 foll by race results 11/10 (Page)
 1280 KOAG-Ga Good 11/6 1934-2005 w/ mx, nx 2000, lost to KPOX 2005 (Kamp)
 KHEP-Az Hrd 1932 11/11 s/off Lawrence)
 1300 WOSC-NY ID hrd in Mutual pgm 1635 11/10 (Rogers)
 1310 WPKD-SC Tire ad atop freq. 1649 11/10 (Page)
 1320 WJAS-Pa 1930 ID & nx, fair 11/1 (Koukol)
 1330 KPOK-Or Good w/ KPAK looped w/ upbeat NoR 10/30 2049-2100 fade (Kamp)
 KDAK-NM Good after KPOK fade-out 10/30 2103-2115 w/ MBS nx & c&w mx(Kamp)
 KCLM-Ga Good w/ KLBS mullid 11/6 1937-44 s/off (Kamp)
 1430 KCAP-NM Good w/rr 1856 11/11, never hrd bl due to KOSI (Lawrence)
 1470 WLAN-Me S/off 2307 11/10 then WOND boomin; in. (Rogers)
 1500 WDSB-Ga Began religion 1726 to s/off 1729 11/10 (Page)

1520 WDCB-SC 07W 1717, ID following WDSB s/off 11/10 (Page)
 1530 WDCB-AL Hrd w/ religion 1738 and hard-sell religion at that, hi, o/wk WJXY (Page) - 11/11.
 WJBR-NC ID & wx 1630 11/10 alone (Rogers)
 1550 WJXT-Ct ID u/WTTN 1625 11/10, s/off 1628 (Rogers)
 1570 WJAX-Fl S/off 1628 11/9 badly 3RMed by many. (Rogers)
 WJMB-Fl S/off after c&w 1830 11/12 (Page)
 X 570 WJEA-NY Off air due to elect. storm damage 1740-1935 11/4 per Broadcasting (which finally arrived, hi) (Love, that P.O.D., hi,hi)

changes

780 KCRJ-Nv Was AN 10/12 MM, but not 11/9 AM (Kamp)
 + 990 KRKS-Co ex-KLIR, format still religion (Lawrence)
 +1170 KLOK-Ca Off MM's (Kamp)
 +1240 KBON-Ca ex-KRNO +1000 WRAR-Va Is on (Al Merriman)
 1300+ WKRL-NY ex-WEMJ +1130 WWCM-In Is on, ex-1380
 +1450 WSMG-Tn CP: 1000/250 UI + 1380 WWCM IN Delete- Scott Stagg)
 1530 WELA-NJ req.: WJDM

F/C's

LMM: WRMG-1430; LF: WHBQ-1360; WWBZ-1360; KFVS-960; 1Sa: WSHN-1550
 2F: WJH-1580; 2Sa: WCCR-1580; 3M: WVNJ-620; WGMS-1500; WBBQ-1340;
 WTHB-1550; WKAP-1320 (new time, 0000-0015); WMYB-1450; WDXY-1240;
 WDIC-1430; KWKY-1150; KWLA-1530; KWO-1410; WJJJ-1260 (0215-0230, new
 check); KPUR-1440; WHSY-1230;
 2M: WANY-1390; 2Tu: WREL-1450; KABQ-1350
 new check per stn: 1 Sa. 0030-0045, WGRY-1590, Grayling, Mich. w/TT

Notes from all over Dept: BL, KVOV is new call change from KT00 as of late spring. D. Romanchik, Please supply dates for all loggings sent to DDWD. JKC: Beware the golden wirecutters, hi Still no DX News for this week as of 1500 on W 11/18. I succeeded in leaving the list of my meager DX this past week at home today, so it' ll wait 'til next week. Work & general tiredness amount to no DX, hi. CX have been strange of late, alternating between quasi-amoral, amoral, TA, Canada, etc. , all w/ hi noise levels. MORE F/C INFO NEEDED HERE, PEOPLES.....

Enuf for now, so I'll close, leaving BPC some space here to play with....
 73s, RJE *RJE*

PS, I'll get some new correctype as soon as I can find some or maybe some white-out. These typos annoy me too, hi.

LAST MINUTE FLASHES...

Chuck Hutton phones in word of a Special due to be aired by WGFS-1430, in Covington, Ga. on December 6th from 12:30 - 1:30 AM EST and perhaps later... This will be a POP and will mention NRC often.

Word from Alan Merriman via the Hyannis gang is that he has heard the new 10 kw station in Antigua (the call is ZDK, if I remember correctly) testing at sunset on 1100 kHz on an auroral night. No sign here yet.

Steve Bohac reports that the two very widely heard bootleg operations on 1615V are affiliated and reportedly operate with 100 and 500 watts; WSSR seems to be in the Yonkers area and affiliated WKLB in the White Plains area. While supposedly affiliated, they are often heard here in Boston with separate audios on the same channel. Go get 'em, Big Dave...

ALAN MERRIMAN - Box 6 - Fairfax, Virginia - 22030

I thought I would heed Ernie's request for Musings & send in a report. It's been about six months since I have appeared in these pages but DX has not been that good. I have not been able to DX on a MM since last Spring due to work sked but I hope to change that soon. I enjoyed the Convention very much. Good seeing old friends again and making new ones. I didn't get too far out of Ed Krejny's room but a few people did drop in, hi. Here's meager DX going back to June. Times, EDT. 6/20- CBEF-540 good @ 12:59am. 8/21- WYDK-1480 ending ET W 2:40. WAME-1480 in after WYDK s/off. 8/22- WORG-1580 w/ET/TT/mx @ 12:46. 8/23- New WARR-1520 w/ET/TT/OC @ 3:05 u/WKBW. 8/24- WEEP-1080 in @ 9:55am, verie says testing 50kw XR. WPGM-1570 @ 7:30pm. 10/11- A real surprise w/WEPM-1340 clobbering WOOK @ 4pm. 10/18- New WTRQ-1560 w/ET/TT/mx @ 1:17, prompt verie. 10/23- I caught the last 15 minutes of WHIL-1430's TEST, good at times. Now EDT. 10/26- WCYB-690 good @ 5:30pm. 10/27- I was surprised to find WVLC-1170 generally on top of WWVA @ 3:51pm so gratefully reported. 11/11- WAVS-1190 good 5:15-5:30 s/off, "R. Waves." 11/13- Brand new WRAR-1000 noted today for first time, generally on top of WI00 @ 2:30pm. They can't have been on for more than a week or so as I have been checking 1000 regularly. Veries have come in from WDEE WEEP WTRQ WDN WHIL WKOJ WRAN WVAM HJCY-810 CBEF WYDK & WPGM. I'll add my voice to the ones asking, Where are the WRYT veries? So much for DX. I've added a very handy piece of equipment to my shack. It's a frequency marker. This is similar to a 100k crystal calibrator but it also has markers at 50, 25, 10 & 5k. There are several on the market. The one I have is made by Lab 1 & sells for about \$30. It's very worth while. Enough for now. 73.

G. HARLEY DeLEURERE - Box 10 - Hendricks, West Virginia - 26271

First of all, congratulations are in order for "neophyte" Martin D. Martelle of Sarnia, Ont. His list of QSLs is indeed very impressive for having been DXing for only nine months. According to the WRTH his "R. Onda Azul" is OBX7B-640. I'll have to agree too that verifying "Forces R. Sharjah" on 1480 w/only 250w is really remarkable. Instead of our helping Mr. Martelle, I think he needs to help us! At least I would like his tips. Lately DXing has taken an upswing here in Hendricks. Especially good have been stations to the S of here. I really can't figure it out, but N.C., S.C. & Ga. stations are all over the dial, e.g. WJJC-1270 w/only 1,000w was heard very well through "local" 5,000w WUOK. Also WENC-1220 literally smeared WGAR's 50,000w. And WENC was heard from 7:49-7:53am. Another oddball reception was WADK-1540, Newport, R.I., which was heard on top of WRGM/WRPC deom 4:10-4:14pm - that's in the afternoon, too! Yes, DXing has been topsy-turvy here recently. I haven't checked my mailbox in Elk Garden for over three weeks, but I'm sure I have several veries there. At any rate my last verie was a v/q from WIBS-535 Grenada. I'll have to say this one is my best NA verie, because it has only 500w. I did confirm WANR-570, Albion, Mich in 1958, & it had only 5w, but at that time I was living in Albion! Therefore, it can't be better for me than Grenada. Happy Thanksgiving.

T. D. BUCKLEY - 2831 Fairhaven Avenue - Alexandria, Virginia - 22303

Hi gang! Not too much DX to report this time. 9/26- WWDC-1260 Washington ETing w/TT & mx @ 4:15am. WEAM-1390 Va. testing out its AXR (a la WABC) @ 4:25 w/rr. WTOP-1500 Washington noted w/OC @ 4:30am. CKFH-1430 Toronto w/rr @ 4:43am. During SSS the same day, WADO-1260 N.Y. & WHN-1050 N.Y. @ 5:15 & 5:30pm. 11/4- CBA-1070 Moncton, N.B. @ 5:29 w/CBC NX & WX for St. John. 11/7- CFOR-1570 Orillia, Ont. @ 12:13am w/rr & lasz but not least, 11/14- WJAP-820 Fort Worth @ 11:15pm w/c/w mx. Latest veries: CKFH-1430 Toronto; WWDC-1260, WTJS-1390 Jackson, Tenn. & WADO-1280. That's it for now. 73s.

96267

ALC EDWARD BRUCE REYNOLDS - Box 3082 - HQ Far East Network - APO San Francisco
Ernie's call for Musings spurred me into reporting.

Very little time for DXing recently, as I am now doing a five-day-a-week c/w show in addition to fulltime duties in NX's & sports. Also, I've been trying to get rid of a lingering cold, so I haven't felt like staying up into the wee hours. It's good to see so many new members reporting to this section. Now if some of the old

hands would get busy. What's happened to the St. Louis Gang? It was good to see a report from Len Kruse. Is Ernie Wesolowski still in existence? Well, I hope to have something to report next time. Good DXing, & 73.

WALT BREVILLE - 9127 Coral Drive - St. Louis, Missouri - 63123

Greetings after a long absence. This is my first Muse in almost a year, almost two since my last re-introduction, so here's another: I'm now on the wrong side of 30, have been w/NRC since 1964, attended two Conventions: Cedar Rapids in '65, & of course, St. Louis in '69! Main RX is a Hallicrafters SX-122, antenna a 68' longwire 27' up at the present time. I've been somewhat inactive most of the last two years due to various things like working hours, urge to sleep more, a furnace blower causing mucho QRN, & other activities - I recently became a member of a well preserved 1952 Kaiser, for one. Totals presently are about 870/267, 43/40, 22/10. Some recent DXing done: SM 10/25- Much-wanted KFWB-980 Los Angeles finally @ 5:15am, old pests KMBZ/WONE not there, WQMS-1050 Va. 6:15am c/w, WPIIT-730 Pittsburgh 6:40am w/religious songs, XETRA-690 strong even on transistor set, 7:07am. 10/28- WKBL-1250 Covington, Tenn. in good @ 6:30 s/off. SM 11/8- KSIX-1230 Corpus Christi 1:27am s/off, R. Juventud-660 strong all 'M. KCAS-1050 Slaton, Tex. on top @ 6:45 s/off. MM 11/16- KDEP-1150 Albuquerque barely IDed @ 3:25am. The new NRC Log was well worth the wait - truly an outstanding job & aid to DXing! v/f- KFWB, only recent verie. 73s.

BLAKE LAWRENCE - Box 803 - Canon City, Colorado - 81212

Greetings to all! My prime RX conked out on 10/7 so no more DX on it until replacement part comes from Allied Radio. I'm beginning to think that its brand should be Sunkist, hi. Because of this irksome problem, I've been DXing on a Motorola Table Radio, & consequently, not as much DX this week. 11/6- KBIF-900 Cal. ogged @ SSS, KYW in well @ 8:55pm w/all-NX. KODY-1240 Neb. on 11/7. SM 11/8- WXCL-1350 Ill. w/c/w @ 4:34am apparently AN now. SSS, unID s/off on 1370 @ 6:47pm w/SSB, hoowuzzit? MM 11/9- New logs in CKXL-1140 Alta., CKX-1150 Man., Also KXYZ-1320 on all MM, NSP? Let's hope not. Good SSS 11/11- KKAT-1430 N.M., KNFT-950 N.M., & KHEP-1280 Ariz. logged as was an extremely strong WREC-600, Tenn. On 11/12, whatsisname in Henderson, Nev. (1280) was back @ 7:30pm w/R&B, calls again KVOB or KBOB or something similar, help needed on correct call. I heard one last Summer w/same call contrary to call in NRC Log. XEFV-1000 Ca. Juarez also heard 11/12. Oh yes, an unID on 1190 in SS @ 7:17pm 11/11, sounded like "R. Mexicana" ID; another unID back on 11/1, this time on 850 @ 7:17pm w/SS ID as "Ekees (chime), eh (chime), saytah (chime)...", lost as KOA began chattering again. Could this be XEZR? ERC, my first Musings was NOT the one in the 10/31 issue. The first one apparently got lost in the mail. Again, thanks to RJE & Page Taylor for their article for novice DXers - it's very useful here. Two more v/qs in this week: KTKT-990 & KRLA-1110. KRLA's v/q is attractive, but failed to mention date & time of report! They took two months, two weeks, & one day to verie, but that's lightning quick compared to some others! Reports out to WNOE & KCPX. Do they verie? I sure wish we could have Musings sections this year like those that were in my sample bulletin last season. I'll try to do my part & Muse every week. How about more Midwesterners & WOCers reporting? I'll bet ERC gets tired of typing "Massachusetts" & "New York", hi. Can someone tell me what frequency KQW SanJose was on? (If memory holds, Blake, I think it was 1010, then 740, where they became KCBS -ERC) Best of DX & Peace.

NANCY GANTZER - 67 Liberty Street - Fredonia, New York

My regular RX is still in the repair shop (300 miles away), but I've been DXing in spite of that. On my sister's table clock radio I have heard: 11/4- WKST-1280 Pa. @ 5pm. 11/8- WNOX-990 Tenn. @ 11:30pm. 11/9- WDOJ-1310 Tenn. @ 5:30pm. On a "borrowed" Lafayette HE-30: 11/10- WVQJ-1320 Fla. @ 5:30pm. CMQ-640 @ 8:30 and XERF-1570 @ 9pm. CMQ & XERF were the first Cuban and first Mexico I have ever heard. Lucky me? 11/15- S/off of WHIE-1320 Ga. By the way, who WUEP doesn't verify? They sent me a v/1, CM, & a very nice station pen. All for hearing less than a minute of their s/off.

STEVE KAMP - 6149 Monteverde - San Jose, California - 95120

I am staying up MMs now & DXing has gotten better. Veries: v/1-KTYM-1460 KGAK-1330 KCRL-780 (for RS - they promised CM when they got 'em made up) & pirate RCIA-880. v/f- KUGN-590. v/q- KPOK-1330 KRLA-1110. DX: 10/25-CMCA-830 "R. Corazon de La Habana" @ 6:29am; KCTA-1030 Tex. @ 7:06am; Chanchung Chin, a-585 @ 7:20am; Peking-760 @ 8:37am; China-820 @ 8:47; JOIB-870 Fukuoka @ 9am. 10/30- KPOK-1330 Portland w/KFAC looped @ 8:49pm; KGAK-1330 Gallup N.M. @ 7:02pm w/KFAC looped. 11/2- KATN-950 Boise strong SSS @ 6:54pm. 11/6- KSVK-980 Richfield Utah @ 7:15 s/off on SSS; KCLM-1330 Redding @ 7:37-7:44 s/off; KOAG-1280 Arroyo Grande @ 7:54pm. 11/8- 3:07am, I tuned to 940 for CJIB NRC TEST, & CJIB was there dominating channel, but program sounded like RS, w/rr DJ show, SID, & spots for local restaurant; heard 3:07-3:27am tuneout, messed up by KFRE ET 3:22-3:27am. KWJJ-1080 Ore. @ 4:09am. SRS-725 Paramaribo @ 4:30am. MM 11/9- CBXQ-540 40w WRT in Ucluelet B.C. booming in, 90% readable, 3:03-3:20 s/off w/O Canada & GSQ. KCMC-740 Texarkana @ 4am; HJJC-850 Bogota @ 4:20; Japan-660 (either JOOG or JOAG) @ 4:45am; Chongjin, N.K.-635 @ 4:47; Pyongyang-785 @ 4:50; JOBK-690 Osaka @ 4:50; JOIB-750 Sapporo @ 4:59-5:01, ending EE NX w/EE NHK ID, then pips; Wonsan, NK-874 @ 5:16am, unkn ZBVI-780 booming in w/KCRL off @ 5:21; Japan 780 @ 5:34; w/ZBVI null'd; VOA-1178 Okinawa @ 5:58 s/on w/Yankee Doodle, then ID & into Chinese; KBUY-1540 Tex. @ 6:10am said were on except one hour this morning program was RS c/w. KCRL-780 noted off MM 11/9 but on MM 10/12, dunno what exact SP is but are off some MMs at any rate. Local KLOK-1170 definitely off MMs now, leaving VOA-1178 in clear. 73s & good DX.

BRUCE WINKELMAN - 1404 Alumni Place - Lawrence, Kansas - 66044

I haven't Mused in a while so I thought it was about time to report. Thing is, there's not too much to tell about. My class sked keeps MMs out of the DX picture so all DX comes on SSS or in early evening. Not too many veries in because I have been rather lazy in getting reports out. However, a v/1 came from KIOA that really makes me happy. That's only the second hand-written verie I've got. Shows there are still some stations that take time to look over the report & not just ship out a card saying "We are happy---" etc. Other veries include WOW KWKH WHAM KGYN WMT plus the ubiquitous "Thank you for your recent communication" type from WHO & KGLC. DX: 11/1- KSCJ-1360 @ 11:08pm. 11/2- WISN-1130 @ 5:24pm, WDGY-1130 @ 5:27. 11/5- WNBC-660 @ 11:50pm (that gives me the "Big Three" on the EC logged, WABC WNBC & WCBS). 11/10- KWCO-930 (1560? -ERC) @ 6:30pm. 11/12- KTUF-1580 @ 6:53pm, WKEH-1410 @ 10:18pm, WNUS-1390 @ 10:28, KGNO-1370 @ 10:31, WIFE-1310 @ 10:48. 11/13- WOOD-1300 @ 12:30am. 11/14- KNBR-680 @ 1:09am. Reports out to WDXR WBBF WJJD WDGY KRLD WOWO KTUF. I had a real puzzler on 11/5. At 5:35pm I was sitting on 1600 & caught "This is Radio Station W--- in ----- Alabama," after the Mutual ending. The log has two Alabamians on 1600, WEUP & WAPX, & both Mutual. However, WEUP is listed as D-1, WAPX is U-2. Was WEUP off at the time? (Shouldn't have been off that early -ERC) Many thanks to Joe Brauner & Don Share for their plans for a loop. I plan on building a modification of both plans over the much-awaited Thanksgiving break coming up in about 1 1/2 weeks. I plan to hook it to my A-2515. I am currently using my Sony portable for all DX activity. Notice all Notre Dame, Texas & Ohio State fans: After what Nebraska did to K-State this weekend, watch out Orange Bowl! 73s & DX

DAN ROMANCHIK - 24249 Beierman - Warren, Michigan - 48091

Hi! I'm a new member & I would like to introduce myself. I am 15 years old & attend De La Salle High School in Detroit. Although I've been DXing for a few years off & on I've just started to DX the MW band. I mix my DXing w/tapesponding & I also have an interest in stereo systems. I also belong to the NASWA. My RX is a Lafayette HA-600 (although I'm contemplating getting a Drake SW-4A). My antennas are a Mosley SWL-7 (for SW) & a loop. A word to prospective loop builders: build your loop from NRC plans and NOT R. Nederland plans. My first shot at building a loop was from plans from R. Nederland & to say the least, it did not work. Some of my latest catches are: KFT-640 @ 8pm w/Kings Hockey, WPAR-790 @ 9 w/Squires BKB, WAKY-790 @ 9:30 w/c/w mx, WFBC-1330 w/NX. My best catch so far is 4VEF-1035, Haiti. I would like to report the Cubans are

back on the air as I have logged CMQ-640 on 11/10. 73s and good DX. (Welcome to NRC, Dan! We hope to have many Musings from you! -ERC)

JAN BURGER - van Blommesteinstraat 4a - Delft 2203 - Holland

Hello again from the town of the famous "Delft Blue". I recently got a new RX. It's a Marconi-1017, 12 tubes, w/a coverage of 40-4000K in five bands. So I'm almost restricted to BCB only. It suits me well, for the RX is very sensitive & selective & there's always something new to hear. Last month, it gave me my best BCB catches since I started DXing in the form of three stations from Japan. All verified by now, might as well report these to IXXD since this section seems to be short of them. NA is more or less absent this Fall. I have so far heard it only two or three nights & remembering last year's reception of the WCNA, there seems to be something wrong. I hope this doesn't last all Winter! Especially since I decided to take division "A", in addition to "E" which I joined earlier, after RJE "begged" me to do so (with only two entrants until then). Latest veries include: v/qs from NBC-Emugu on 1320, RTV Koper, YUG--1169, Kabul-1280 & WCMN Arecibo, P.R. v/f in 28 days- 1280. I got also a very fine reply from AFN Kaiserslautern-611: a v/1 from the manager, as well as from the DJ on duty during my reception, two huge photographs & a nice booklet on AFN Europe. It seems these guys never or almost never get reports, since everybody sends 'em to HQ in Frankfurt. Still no sign of the NRC Domestic Log. I sure hope it won't go the same way as the New Member Kit which I never saw. Well that's all for this time. I hope to be able to report NA reception next time. 73s

DAVE SCHMIDT - WHOT - 401 North Blaine Avenue - Youngstown, Ohio - 44505

Hello! Well, if ERC wants reports, I might as well put in my amount of a few lines or so. DX from this location is much different than that of SE Pa. You get mucho less TAs & many more SAs. Presently I am situated in a place where WPMJ-1390 is right across the street, & w/their six-tower DA beamed right at this place, the field is probably in volts, hi! DX: MM 11/2- WMT-1330 4:12-4:29am ET, report sent. 11/8- KFDF-1580 6:12-6:15pm s/off, very clear. KLOF-1580 6:44 s/off; same date. I also have heard things like WBBQ-560 (no WFLL), WDAF-610 (no WIP), a very weak WIBG-990 @ SSS (all WNOX/CBW here at night) & XERB-1090 in clear as a bell. After the loop gets constructed & some extra work goes into the 180 (shielding, to rid the set of spurs & cross modulation), things should get moving out here. If anyone wishes to drop a few lines, please do. By the way, WCAU-1210 is not NSP - they are still going off on MMs @ 12:06, per sked. No sign of the NRC Logs in this area yet & let's everyone get on the CPC & work to show everyone that the NRC is just as good, if not better, than it ever was. Veries: Only one this far, WMLT-1330 v/m, so that's #1 here. It feels strange to have to start over again, hi! Let's get the rest of the Youngstown gang in for some reports & let us stun the whole NRC. Remember, today Youngstown, tomorrow Niles, and the day after, New Castle! 73s.

LARRY E. BLACK - 4917 Mailbou - Bloomfield Hills, Michigan - 48013

I'm sitting here writing this as the first snow of the season falls outside. 10/22- WIXZ-1360 Pa. in o/WSAI & other IQRM. 10/24- KDHL-920 Minn. popped o/CKCY @ 11:57pm for #3 from that state. 10/26- WTCN-1240 Va. very weak on f/c @ 12:47am. WSGN Ala. & WSLS Va. both sharing 610 AM. No sign of WIP. 10/27- WHUN-1150 Pa. f/c @ 12:07. 10/28- I was waiting for WDEL-1150 Del. but instead heard unkn WCUE, Ohio. 10/31- WBAV-1360 Wis. possibly. WBAV sounds an awful lot like WSAI so I don't know for sure but I'm hoping - no verie yet. 11/2- WGSN-1450 S.C. in like a ton of bricks for most of the night. 11/3- WLTB-1190 N.Y. w/WOWO sounding really bad. Was this before or after the strike? (After -ERC) 11/10- Both WAPE Fla. & WVOK Ala. were making a run for it on 690. The usual CBF wasn't anywhere to be found. 11/9- WODI-1230 Va. DX TEST in only for about five words of an ID. On 940, KFRE Cal. in quite well w/CBM & WWJ off. WRNL-910 Va. w/WDFD off & KPJZ-1270 Tex. w/WKYZ also off. I finally got around to writing KLIF-1190 Tex. but only got about five minutes on them because @ 2:13am WCKA Ga. boomed in @ 35DB w/a f/c. 11/11- WFIR-960 Va. ex-EDBJ in for new calls. And just a brief moment of WTRY-980 N.Y. o/WONE. WAOK-1380 Ga. has been in most nights now. 11/12- CBK-540 Sask. strong & WDAK Ga. for a few seconds. CBEF was

off. WJTN-1240 N.Y. was all that was heard on Friday, the 13th. 11/14- WHLS-1450 Mich. in strong w/sloper from WPCN (I'm only 1/2 mile from their XR). Also CHOO-1390 Ont. in for about three minutes. 73.

LARRY SHENGOLD - 44 Hillsdale Avenue - Tenafly, New Jersey - 07670

First Musing of a not-so-new member Not much recent DX here: My 4' spiral loop was totally destroyed when someone in the family knocked it over & stepped on it - very strange. I'm working on a GFW style altazimuth box loop to replace it, & adding a mechanical filter to my aging Hallicrafters. Together these modifications should greatly improve my DX, hopefully, before the dreaded Mid-Winter Anomaly, & also the skiing season, set it. Meanwhile I have been DXing on my Grundig transistor portable - which I have mounted on a tripod for precise altazimuth aiming of its internal loopstick. Nulls are terrific except on WABC-770 & 1540, 820, etc. which happens to be the only station not suffering from "horizon blocking" in this marshy valley of Tenafly. With care it is possible to COMPLETELY eliminate such pests as WJRX WVNJ WPAT WMCA, etc. & greatly attenuate the N.Y. 50kw locals (WOR u/CKVM!). WIFY doesn't seem to null. DXers w/good portable RXes are advised to try this. DX since the loop traged: WOOK-1340 Washington, all Soul, 10/19 @ 3:20am. WKGK-1340 also, Knoxville, @ 3:30. WONE-980 Dayton, w/"Modern Country Sound", a MM w/WTRY null. WKEN-570, after WMCA s/off w/c/w booming. WMCA s/off seems to be regular on MMs. All times EDT. (Welcome to the NRC, Larry, belatedly as you say, & we hope you'll be a regular in these hallowed columns! -ERC)

JOHN P. LOMBARDO - 23 Grove Terrace - Innington, New Jersey - 07111

H1. The only station heard w/local WLIB off was WANN in Md. @ SSS. WARE-1250 Mass. was heard on 10/29 @ 8:46pm w/most of the QRM from WTMA in S.C. The MM of 11/2 was one of the best I have ever heard. It started off w/um WPHY w/an ET @ 12:30am w/mucho QRM from CBE. Then @ 12:46 WEVA-860 Va. was heard w/r/c until 1. At 1:06 I heard WRMG-1430 in Ala. w/their r/c ending @ 1:15 - do they verify? At 1:37 I tuned to 980 to hear WRC's s/off w/QRM from WTRY. WMAK in Tenn. was all alone on 1300 w/a good signal @ 2:25. On 11/5, CHWO Ont. was in there w/QRM from WTAE @ 1:21am. On 11/6 r/cs were heard from WBBZ-1360 in N.J., WBBG-1360 Va. & KFVS-960 Mo. WDLA was heard w/s/off @ 4:45pm on 1270. On 11/7 WSHN's r/c was heard on 1550. I have sent this station two f/ups & still no ver. On 11/8 I heard weak TTs on 940 @ 3:21am to 3:37, the time of the CJIB TEST. Could this have been they? (No, John - WC members tell us CJIB used RS-mx -ERC) Some local TV & FM DXers may also know what happened on 11/8. On the MM of 11/9 local WPAT was heard off the air for the first time ever! Because of this I was able to get a good log on WBBN in Buffalo & CFBC in St. John N.B. I also heard an SSB around 1am, did anyone get the ID? WNDB-1150 in Daytona Beach was heard on 11/10 @ 6:05pm w/a fairly good signal. R. Belize was heard w/a good signal on 834k @ 10:35pm on 11/11. It was also heard on 11/12-13. On 11/12, ZEM1-1230 in Bermuda was heard @ 8pm. WJNH in Hammonton, N.J. is not heard in the daytime here, but I picked up their r/c w/plenty of IDs on 11/13. WCCR-1580 Ill. was heard w/a r/c again @ 1:15-1:30 on 11/14. Recent veries are: WHYZ CJRN WDMV WCCR KRMG WTRQ WARE WMAQ WPLB WEVA WRMG WRC WMAK KFVS WWLE & WFAS which sent a nice v/f & lived up to their call by verifying in three days! 73s.

KEN LYON - 9415 Goodrich Road - Clarence Center, New York - 14032

DX this week: 11/8- WAVE-970 heard @ 3:28am very strong. 11/10- WGIG-1440 heard @ 5:14pm w/much QRM, WRBC-1300 heard @ 6:11pm w/spot for Protein 21, on top of all; WOOD-1300 heard @ 7:06pm w/ID, WKMI-1360 heard @ 7:13pm w/rr during fade of WSAI. 11/14- WCCR-1580 heard @ 1:15-1:30 w/r/c-TT, first time heard since they changed calls from WKID. Veries this week are WPLB v/f & KWRF after a year, and NO f/up! C U later.

MATT ZAHNER - BCB Editor, NNRC - 7224 Gough Street - Baltimore 21224, Maryland
Re inquiry of Dave Copeland (10/10/70) about the call of the Cumberland Md. station on 1270 - I was recently in the W. Md. area & stopped in to see someone @ WUOK. They have NOT used the call WKYR for about three years. Nothing

in their log indicates the call WKYR was used by any member of the announcing staff on 7/24 or 9/12. They could offer no explanation, & indeed, re-affirmed that their call is still WUOK. I trust this info is useful to Dave. (Thank you, Matt, for your interest in this - NRC appreciates it! -ERC)

DAVE WHATMOUGH - 284 Main Street West - Hamilton 12, Ontario

Now that the first inch of snow has fallen yesterday, 11/15, & colder WX is here maybe I'll have more ambition to DX. So far I've done very little. DX to date: MM 10/26- One new one, WEEL-1310 Fairfax heard for a few minutes during silent period of CFGM who were ETing w/OC. MM 11/2- Great CX to the W. CBU-690 heard u/XETRA & Cuban. KIRO-710 u/WOR/WHB etc. both between 2 & 3am. KORL-650 w/S-5 signal, still no trace of KYAK. WWSF-1400 Loretto, Pa. ETing w/TT & mx 12:36 & on, testing new 1,000w XR. WHYN-560 Holyoke, Mass. heard briefly w/WGAN & KMON's ET/mx for new catch. KMON were ETing from 2:30-3 w/Marty Robbins' "Gunfighter Ballads & Trail Songs" album. Two newies on 920- WGST Ga. & WMEG Fla., the latter appears to be AN RS w/fantastic signal. That's five new ones in one morning, so things are looking up. Sun. Nov. 8, WMCW-1490 pounding through CHYM all afternoon. In fact, all of NW Pa. better than normal. MM 11/16- WHHY-1440 lam s/off w/excellent signal. They must switch to day pattern to s/off as they weren't there a few minutes before. Veries since last report- v/q- KIRO CBU. v/r- WWOY WADD. v/1- WWSN WEEH WDC WFSR WGUS WCBW WTTT WEIM & WWSF from NRCer Pat Flanagan. Thanks, Pat. Totals now 1,608/789. 73s & best of DX.

MORRIS SORENSEN - 591 Harvey Street - North Bay, Ontario

I've managed to get home to Emsdale Ont. several times since my last report & have made a few new loggings. In September I added WWLE-1170 N.Y. to the log while in October I received WMAN-1400 O., WFEA-1370 N.H. & WVSC-990 Pa. CX were highly Auroral between 5:45 & 11pm on 11/7 & I added two long-sought Mid-Western clears to the log - KRLL-1080 & KV00-1170 w/the usual WTIC/WVVA completely absent. I also heard EE religious programming on 830 which must have been 4VEC Haiti (previously logged on 890). I also noted IAs on 540 (unn XENA) 670 (probably unn YVLL) 730 (unn XEX) 760 780 800 (unn PUB in like a local w/no trace of usually powerful CKLW), 830 (SS u/4VEC & very weak WCCO), 834 (unn R. Belize for the first time since 1965) 890 940 (probably unn XEQ) 1040, 1190 (very strong at times in SS but I couldn't catch ID) & 1200 (probably unn YVOZ). Sorry I don't have more details on these loggings but I don't have my logs up here w/me. QSLs have come from KRSI-950 Minn. (f/up) WSBT-960 Ind. CJIC-1050 Ont. (f/up) WWLE-1170 N.Y. WANN-1190 Md. (f/up said they had no record of my previous report) & WDEE-1500 Mich. for reception of last Feb., no f/up). I haven't had time for any serious DXing here in North Bay. I have heard about 60 stations in casual listening but nothing worth mentioning. I would like to welcome my good friend Tim Kerfott of Western Ont. to the NRC, & to thank all those who have written to me to exchange American stamps for Canadian ones. 73.

DICK TRUAX - 5101 Tamarock Drive - Charleston, West Virginia - 25312

DX continues here at almost a record pace after a rather slow Summer season. 10/24- After much phasing & retuning of loop I was finally able to null two-mile-distant pest WKAZ-950 & log WYKY Ky. s/off @ 7:01pm EDT. WGTA Ga. s/off @ 7:14, WSPA S.C. w/FB & ID @ 9:01pm & lastly, WGGV Ga. w/ID & NN R&B @ 9:20pm. 10/26 saw good opening to W w/KMIS-1090 Mo. s/off @ 6:30pm EST o/KSIS Mo. s/off, then KFMJ-1050 Okla. @ 6:35pm w/ID & religious program. Best catch of eve was KPFA-1360 Ark. w/Mutual NX & ID @ 7:35pm o/pest WSAI. 10/27 saw WPKX-1410 Ala. w/ad & SID & rr o/WING, very similar to WING/KQV/WPOP trio on frequency, & easy to mistake for them. 11/15 saw first full strength Aurora I've witnessed this season WJNJ-1600 Fla. w/ID & NX @ 5pm, WTAI-1560 Fla. w/SID & c/v @ 5:06, WMMI-1520 Ga. s/off @ 5:29pm, WBBR-1580 S.C. s/off @ 5:30, WAOA-1520 Ala. w/AEN NX & ID @ 5:35 pm, KUPK-1050 Kans. w/WX & ID @ 6:15pm & into c/w, KMCO-900 Tex. s/off @ 6:30 u/R. Barbados of all things. R. Trinidad-730 in nicely & all alone @ 6:44pm w/ID & NX w/female announcer. So much for my luck at the dials. A few notes on local CPs: WPNS-1080 Hurricane, W.Va. has not materialized yet but WEEP Pa. is now almost local listening level w/its new 50kw signal; no sign of WKY-1270 Louise, Ky either. More next issue.

JOHN W. HOOGERHEIDE - 3 Marquette Drive - Marquette, Michigan - 49855

11/1- Not too red-hot CX tonight, SS completely absent from band. 880 had a weird one @ 1:45am in EE which turned out to be a weak CKY, Winnipeg. What set of harmonics could blend to produce a CKY harmonic from a station 600 miles away is beyond me. (Could it have been a new LPRT? -ERC) On 1380 an ET/mx was on weakly looping S. The man had a southern accent & I believe a K call as ID was given @ 2:27. They left air @ 2:30 w/no further ID. Did anyone catch this one? Good ID from R. Eco, Mexico, D.F. on 1380, thanks to ERC's help last week in DX NEWS. Thanks, Ernie. This @ 2:35. CKY-880's harmonic still on @ 3 so not an effect of CWB. 11/3- I had KTGR-1580 Columbia Mo. @ 6pm w/ apparent s/off. 11/4- Interesting AM - CHAB-800 w/6:55am s/on-GSQ, then long-sought CFOB-800 s/on L&C w/SSB (not the Canadian anthem) @ 6:57 & into a religious program until 7. This is not a fluke as it's second MM in a row this was heard. Those of you in the mid-West should be able to log this one as SSB is distinctive as well as s/on time of 6:57am. MM 11/9 was quite Auroral. I set alarm for 2:15 & noted many hets & squeals in the 650-700k range. An SS on 880 was playing flute mx & Indian mx like I heard in SA, definite ID as Peru @ 2:45am, also an AN-SS on 925 @ 2:45 w/organ mx, & one on 675 in/out w/670 hets & WMAQ OC, all very weak w/ little chance to ID them. A weak SS carrier on 855 & then a definite weak TT s/off @ 2:45 on this frequency. Is the Peruvian AN here? Then a weak SS all alone on 540 w/SS mx, probably needed R. Tropicana unless there's someone else AN here. Too weak to ID. Then a great shock on 1230 w/clear ID @ 3:10 for WJOY in Burlington, Vt. on AN Show". And was WSAM-1400 loud @ 3:10! Only second time heard. Someone on 1100 w/US pop mx @ 3:20, no IDs or voice between records so must have been a test. WKYC, w/ID @ 3:30. Then long-sought CKCH-970 in FF on AN u/WWSW @ 3:30, never heard before. Someone else weakly w/KHOS 3:30-3:45, but fady, on 940 I caught only Four Freshmen "Moments to Remember" @ 3:32, probably CJIB.

DARRYL BELANGER - Box 495 - Swan River, Mainitoba

Hi, & greetings from the Northland from a new NRC member. As an introduction, I'm 26, married & have a 2^{1/2}-year-old son. DX-wise, I have been DXing BCB since 1963 but mostly other interests have shortened the amount of DXing I have done. DX totals are 387/151, 32/35 states, 6/6 provinces, one country. Best DX catch from Swan River is WHBY-1230. Recent loggings since 8/23 are KVOX-1280, WLCX-1490, KJRB-790 KPKA-1310. Only good ones lately are 10/25, CHEC-1090 @ 10:30pm o/u KING w/rr; Seattle Totems' hockey on KING. Unn CFAR-590 heard 10/31 @ 5:30pm with Flin Flon Bombers hockey, only second time heard. Only varie lately is a nice v/l from KFKA. I am an avid card swapper & swap one-for-one at 100%. Other interests are SC collecting, stamps, PP cards. I hope to report more often if new DX is heard. Thanks to Ken Lyon for the nice welcome to NRC. One question: What news network did CFAM, Altona, Man. pick up from U.S., it is NBC? RX here is AGS-38 communications RX & a very inefficient 3' loop, hi. 73. (Welcome to the NRC, Darryl! We all hope you'll get that new DX so you'll Muse often! ERC)

DR. RICHARD E. WOOD - Louisiana State University and Agriculture and Mechanical College - Baton Rouge, Louisiana - 70803

All our congratulations should go to Jerry Conrad for his pioneering work with the Beverage (not "beverage") antenna. This antenna was first developed by Beveridge on Long Island, but with the crowding on L.I. & elsewhere in the U.S. today, it had fallen into disuse in this country. Now, the idea has been re-imported from New Zealand, where it has been in continuous, successful use for many years. I venture to predict that Jerry's antenna will not remain the only one in use by a U.S. DXer for much longer. I myself am pestering the local farmers & hope to get launched into some experiments soon. Jerry's initial results, with remarkable reception from Hawaii, Australia, & the California coast, strongly reinforce the picture I obtained of reception from Hawaii, cutting, under normal CX, a wide swatch across S. Cal. & Mexico, over Ia., & down into Fla. Florida was a regular state from HI, & now HI looks like being a regular in Fla. A very nice proof of reciprocity. If I can get a Beverage going here, I might well take up domestic DXing, as Baton Rouge would be a good location w/a minimum of spurs & splatter, & no local graveyarders. My phone is 504-343-7771, after 5pm & late evenings best.

FRANK WALDRON - 65 Lakeridge Drive - Matawan, New Jersey - 07747

Well, I'm back. I must say that the Convention was an experience to be remembered, even if it was unreal. Reviewing the new and/or significant DX in the past half-year shouldn't take long. MM 5/11- CJSA-1230 topping WNOR during FF s/off @ 12:59. MMs in July usually found KWK-1380 w/old rr. Also, MM 7/27- CJGT-1270 running AN w/FF-rr, first noticed @ 1:32 by nulling WXYZ. Then nothing of importance till 9/11, which found CBT-540 usually topping w/a local rr show between 11-12pm. The show originated from Grand Falls & the calls CBT were being used, no CBC programming heard at all. They said they'd be on till 3am 10-cal time w/rr, so watch for this on Friday evenings-Saturday AMs. Same time, CBEF-540 heard weakly fading in/out w/FF CBC. MM 9/28- KSO-1460 noted w/long s/off @ 1:16 o/u AN WBNS. 1:50, an assumed XEMO-860 in fair w/religion, unn. 10/15- A much tried-for station finally IDed in KFUO-850 @ 7:39pm w/cl mx & plea for \$\$ for theKFUO Community Service program. Some QRM from usual WEEU/WJW/WHDH, though KFUO did dominate at times. 10/18- WANN-1190 easily heard w/R&B @ 6:15pm due to local WLIB silence. MM 10/19- I caught the tail end of WLAP-630 s/off @ 12:06, then cut. TT from the W during KXEO-1340 r/c time, but too buried for any possible IDs. 11/3- TAs hetting many frequencies in the early eve. I got some audio from one on 548 w/weird singing @ 5:05pm but soon lost to a loudening 550. With the selectivity I have, that was actually quite an accomplishment. 11/4- The new WKLX-1350 @ 1:59am w/rr during a really phenomenal Tidewater opening. 11/8- Excellent Auroral-type SSS CX. WTQX-1570 clearly topping without any QRM w/rr @ 5:40pm, WCRL-1570 s/off u/WTQX s/off @ 5:44. Last but not least, one of my best SSS catches ever in KPCA-1580 Ark. clearly atop 5:56-6:01 w/Arkansas State Network NX, s/off, then Jose Feliciano's SSB. Gak, there's no more room on this paper. C U N The Bay State 11/28. NICE TO SEE YOU AGAIN, GLOFZ - BGK

BRUCE BENNETT - 82 Norman Lane - Levittown, New York

Hi all! I am now in the process of getting my DXing shack in order for the new DX season. I am still looking for an RX - either the Hammarlund HQ-200 or the Realistic TRF portable. A nice wide price range. Does anyone know where I can buy a Q Multiplier and/or if possible, how to install it in a TRF portable? Look out, friends - I just joined the NRC Domestic DX Contest. Recent stations taped are WLIB s/off @ 5:30 each day, WNYC s/off, & WJNR s/on @ 6 11/15. Can anyone help me out w/a list of Cuban Radio stations & frequencies? I collect & swap EB& WPE DX QSL cards. QSL just received from CKEC N.S., my fourth province varied. My totals are now 243/94, 25/20, 4/4, 5/3. I am still trying to get ZNS & have tried at SRS & SSS & in between. No luck - I just receive WPTF WRCP & sometimes KXEL. Morn of 11/18 when I came back from playing a hockey game at Skateland (where the Rangers work out) I received WQXR w/OC @ 2:15-2:30 w/after. I also heard a station on 1070 @ 2:15 having a test. All I heard them say was a test on 1070. Any ideas? I will probably be going up to Canada (Montreal or Toronto) for a few days in early January. I will be playing hockey with my school, against another school up in Canada. I hope to find time to DX & possibly meet some Canadian DXers. 73s - Go Rangers.

JOHN H. SHANNON - 498 East High Street - Kittanning, Pennsylvania - 16201

Hello gang. In response to ERC's imploremment (if there is such a word) for Musings, here is one. I have just completed my best DX day ever. For my first 184 stations logged, I have no specific date or time. After that (since 7/29/63) my best calendar date was 1/17/65 w/16 new loggings. On 11/16/70 I logged 20 new ones, including Country #53 in Honduras, HRVF-640. I am now just five shy of the 1,300 mark. My foreign DX is in IDXD. The domestics were 11/16- WMEG-920 Fla. 2:35am, WPJD-1550 Tenn. 2:48am ET, WWIN-1400 Md. 3am, WBIR-1240 Tem 3:46am r/c, KCMC-740 Tex. 4:30am, WESC-1550 11:06pm S.C. 11/17- WWINA-1590 r/c 1:26am. I gave my old loop to Eric Di Ricco, who is having quite a time with it. We had a lot of fun the night I took it over to him. I have been working on a couple of DXers in the Pittsburgh area trying to get them to join NRC, & I think I have won one of them over. Not really too much news to report here. I have done a lot of thinking about ways of improving my RX, but not much action. I'd be interested to hear from any DXers who enjoy building their own gear. Maybe we can

trade some ideas. I have been going through my old QST magazines looking at the various circuits there for receivers. Right now I am concentrating mainly on finding a good noise limiting or silencing circuit. Very 73 & good DX to all.

ROBERT LIGON - 539 North Firestone Boulevard - Akron, Ohio - 44301

Hi again! DX: 11/5- WFAB-990 Fla. on top w/rr @ 4:44pm. 11/10- WSJC-810 Magee, Miss. w/rr & CKLW slop (50kw in a town of 3,000) @ 5:32pm, WPIX-690 w/rr @ 5:55pm & power cut w/CBF on top, KOKA-1550 La. weak w/rr @ 6:12pm, KOMA-1520 Okla. strong w/rr @ 6:22 & fade @ 6:27 w/WKWB on, top. I need help with this one, unID-580, strong w/religious program. Could this be WIBW? DX was SW that night. 11/11- WMAZ-940 in w/poor signal & rr @ 5:09pm, WFNC-940 N.C. in WMAZ fade w/rr @ 5:15pm. ZNS-1540 Nassau in good w/CBC SW NX, several spots, & mx @ 6:06-6:30pm. 11/14- WLCY-1380 Fla. w/rr on top w/Al Summers Show w/Hit Parade 70 @ midnight, thanks to Tim Davison for tip. 11/15- WPDQ-600 Fla. w/NX & much static @ 12:45am, WLAY-1450 Ala. ET-rr, must not be NSP as NRC Log suggests, @ 1:22am, KPLC-1470 La. w/ID & WX @ 1:31, WFOC-1290 Ga. w/WX & MoR @ 5:19pm, WIOD-610 Fla. far u/WTVN w/ID @ 11:30pm, WAGN-610 Ala. 2/RKO jingle (just like WQR-FM 's on-the-hour jingle/ID), is WSGN owned by RKO General? -rr mx. 11/16- WBIR-1240 Tenn. on top w/ID & MoR @ 12:14am, WIST-1240 far u/WBIR @ 12:15am. I must say that CX haven't been the greatest but the Southern DX on 11/10-11 & 11/14-15-16 has been quite interesting. Let's just hope it will go back to normal. If not, my favorite nighttime rocker might be WFLI or WPDQ, hi. Veries: v/q- WVOK WFBC. v/l- WMAN WJER. Reports out to: ZNS WFNC WMAZ KOMA WPIX WSJC KAAY. Far overdue: WRYT R. Belize WIXY WSLR KOA CKPR. Totals: 414/132. 73s & good DX!

DON EGGERT - Box 134 - Crown Point, Indiana - 46307

11/17. Hi. DX has been pretty good for me so far this year, so it looks like I'm due for a good year if things hold up. Since starting a new log here on 9/13/70 I've heard 570 stations from 45 states. I need Idaho, Wyo., Del. Vt. & Alaska. I'm hoping someone will arrange TESTs for those first four, & maybe I'll hear Alaska in KYAK-650. Rog Winsor heard last year about this time. Veries of late are v/l- WCOX (CE is a DXer) KORC KLOE KGMS (CE is former BCB DXer & now a ham). v/q- CFRW CBZ. v/r- KIMS & v/r -KIIT KSVP. As I was telling Rick Evans the other day, & perhaps it is reflected in my veries above, I am hearing many more K calls since I've moved about 50 miles W. I didn't really think it'd make a difference, but it evidently does. Now to DX: 10/29- WAYD-1190 @ 6:14 s/off "Dixie" w/WOW looped. 10/30- Good SSS. SFNC-940 @ 5:34pm, WNAD-640 @ 7pm s/off after CBS NX, KLOE-730 @ 7-7:15 s/off, & KQSG-1500 whom I think was on late for October @ 7:28 s/off. 10/31- WRYM-840 "Rhyme Radio" @ 5:12-5:15 s/off. That gives me all the domestics heard on 840 from South Bend & here. 11/1- I caught the end of WFMD-930 ET/TT @ 1:11, KCCR-1240 end of r/c @ 1:30 really QRMed, WFDK-1370 @ 2:29 etc/ET/mx playing same record over & over. I later caught WPGC-1580 @ 5pm s/off. MM 11/2- One of my better MMs in a while. WPLB-1380 end of r/c @ 12:14, WROC-1280 @ 1:02 s/off, KYA-1260 @ 1:32 after WIXY s/off w/phone show giving # for San Jose & the city, along w/WWDC-1260 who appears to be an MM, CFRW-1470 AN-rr @ 2:08, KKGK-1310 @ 2:25 TT IDing frequently & giving calls slowly, perhaps a r/c as others have heard him check. Unusual to hear KGMS-1380 & KRKO-1380 fighting it out @ 3w/KGMS 3107 s/off & KRKO AN-rr, WPRA-990 4:02 s/on-SSB w/EE/SS ID & into SS mx. Later my first N.H. in nearly eight years, WHEB-750 @ 5:18pm w/NX. Boy, was that cause for celebration! WKVI-1520 Knox, Ind. is now on RS as of 11/8 & Rog Winsor tells me by phone that WQCM-1130 has made the switch from 1380. I see the NRC Log has omitted WBEL-1380 who is definitely on as I hear them here in day. I'll be in N.C. o/Thanksgiving to catch all that exotic southern DX & other goodies we'd like to hear here. Phone here is 219-663-8046.

PAUL KIROY - 2100 Brooks Drive - Suitland, Maryland - 20028

DX of late has been very poor & with the advent of various Auroral CX, prosperity is definitely not "just around the corner". The new NRC Domestic Log is fantastic; the best yet. One update is in order: Change CKBC-1360 to s/on @ 5 instead of 5:30, unless the parenthesis means the times are variable. Latest catches: 11/2- WSAR-1480 Mass. had ET @ 1:43am. 11/16- CKBC-1360 N.B. in with a

fantastic signal during six o'clock newscast @ 5am. WTOB-1380 N.C. w/Top 40 @ 5:18am. CJRS Que. heard @ 5:22am briefly & very weak, mixing w/stateside stations. I had occasion to visit this station on a recent trip into Quebec. It occupies a one story brick building w/a bowling alley & has all of the latest equipment available. It is 24 hours FF.

GEORGE B. SHERMAN - 104 Pinewood Circle - Rosemount, Minnesota - 55068

DX has been fairly good lately. The TAs are starting to return, w/audio heard on 764 & 1586 & hets heard on 1034 & 1214. I've been DXing mostly SRS because I haven't tried it much before. 10/8- WIVS-850 Ill. s/off w/ KFUD QRM @ 7:15. 10/11- WCOX-1540 Ala. heard w/listenint & XR test @ 2:25 w/QRM from ZNS RS & KXEL OC. 10/12- Pest local WWTC-1280 had a silent period. First time I've heard them off this year. Only unnn KTIK-1280 Colo. was heard. 10/28- WBHT-1600 Tenn. f/c-mx except @ 4:31, WERE-1300 O. very good w/no QRM @ 5:12; WFLY-1280 Mich. o/looped local WWTC @ 6:06am, & I thought 1280 was a non-DXable frequency here! WDOV-1440 Mich. very good o/KEWI @ 6:20am, WPGC-1580 Md. except o/WCIS w/rr @ 6:25am, & heard a few days later on a pocket RX! WDOV-1580 Ill. in the mess @ 7:03 s/on. 10/30- KCCV-1510 Mo. s/off o/u WLAC/KTTT @ 6:45. 10/31- WKFE-1550 P.R. w/R. Cafe ID @ 4:35am, 250w. & o/2,000 miles! WAAY QRM. WDMG-860 Ga. good w/CJBC OC @ 5:45; WAFT-1480 Mich. @ 6:07 o/QRM; WSKT-1580 Tenn. s/on @ 6:45 & WLIJ-1580 Tenn. s/on @ 6:50 o/QRM; WIFP-1570 Ind. @ 7 w/c/w, good signal; WWIN-740 Ill. @ 7:35am w/fair signal & KBOE QRM; WCIL-1020 Ill. @ 7:30 o/WPEO, now I've heard all 1020 domestics. MM 11/2- WSUN-620 Fla. very weak @ 4:23, CKCK always blocked them out before. I was waiting on 780 @ 4:55 or so for ZBVI who had s/on @ 5. I thought I'd better catch s/on because I've had this as a tentative reception many times, but they don't seem to ID very often. That's country #26, P.R. was #25. Still on 11/2 I heard WGRD-1410 Mich. w/rr o/WKHH @ 6:10am, KDLA-1010 f/c ended @ 7, QRM of WMOX Miss., also new. MM 11/9- WPRA-990 P.R. s/ on in EE w/SSB @ 4:05; WWXL-1450 Ky. f/c @ 4:18; then ID from WASK Ind. @ 4:23, so maybe their OC was on; HJUM-660 R. Uno in Cali, Colombia, fairly good w/no QRM on my Realistic TRF portable @ 4:43; WEW-770 Mo. a pleasant surprise w/local WCAL absent @ 7:10; then unpleasant surprise, WCAL s/on blasted my eardrums, hi. 73 & more DX soon, hopefully. I am now at 1,052 heard.

FISH - Lincoln, Nebraska

CX continue to improve as static is finally leaving the Great Plains. A few TAs have been logged but LA/SA CX prove to be the dominant mode of DX here thus far this season. A disappointment in the 665 split is the recent showing of the potent Guatemala station whose audio is terrific. This one is armchair copy almost all evening right up to TA-times. SRS shows this one still blasting in - thus Lisboa I has competition in the early mid-evening hours. The frequency counter idea is in effect here, but have you ever thought of an HP312A Wave Analyzer as a DX RX? A beauty I assure you! That's a beauty of a frequency counter & that three cycle slot marking center of bandpass is quite the thing! If you come up with workable circuiting - how about putting it in DX NEWS? Patterns by Hart is good material - I have done that type of thing for quite some time. Technical material is always welcomed here. KECK has been given all recent f/up reports & it's up to the new CE & his staff now.

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830

11/9- WODI-1230 Brookneal Va. on DX, TT & military mx from 3:21am on, some QRM. WKBQ-1000 Garver N.C. 3:46am, c/w TT & one meager announcement. DX suffering more than usual due to defection of 100% of migrant work force that had contracted to 11/20 & family illness. Veries from WKLX & WCVU, evidently a new engineer as very prompt & nice specific veries. DJ @ WCNL says one early AM report from Nebraska - did not mention any others. WCNL got FM grant so he is in for a fulltime job - WCNL is sister station of WOIV Nashua & WDNH-FM, Dover. I note KOHO has bought WOAI, so some call changes due there.

BACK TO WEEKLY AGAIN UNTIL THE CHRISTMAS WEEK BREAK. WE WILL PROBABLY ADVANCE OUR PRE HOLIDAY DEADLINE TO WEDNESDAYS DUE TO THE SLOW MAILS AT THAT TIME OF YEAR.

BART CRONIN - 2537 28th Street West - Seattle, Washington - 98199

It has been so long since I Mused I don't know where to start.

Local radio finds: KIRO-710 now off @ 3:04-8am EST Mon-Sat, still aN on SMS w/ religious programming. And continues AN alternate weeks w/TT, much like it used to do years ago for Civil Defense. Them, KIRO and KOMO-1000 alternated running the TT but KOMO continues AN RS now. KSND-1590 has changed to KUUU and is 24 hours, & I believe NSP. KQIN-800 Burien is now on. I have finally received the new NRC Log and it is very good. I was almost sorry to see that old log go after turning the crank uku-thousands of times getting that out several years ago. I have a list of 274 changes I have gleaned from the old log that were not included in the new one. Who gets such a list? (Russ Edmunds -ERC) Most of these changes have been taken from Broadcasting or other sources, & some are CPs, some are on, & probably many have never been acted on. Plus, some error corrections. Log now totals 225, nothing spectacular. 11/21 brought s/off @ 7pm EST of KBRV-790 Boise, and 7:04pm, KYME-740 Boise, w/rr, and newscast of KSPD-790 (formerly KEST) @ 7:02pm. KOIM-1330 Redding, Cal. @ 7:20pm w/community bulletin board. 11/22- Found KTRB-860 @ 7:31pm w/break between religious programs. 860 is hard w/NSPer KTAC-850 nearby. I am hoping to get started on the loop soon. My father is going to build the frame & we'll take it from there. 23° this morning which is cold for Seattle & a skiff of snow yesterday which is also rare. 73s.

KEN LYON - 9415 Goodrich Road - Clarence Center, New York - 14032

Anyone who is a member of NASWA must know by now that our editor and publisher Mr. William Eddings had a serious heart attack on 10/16 and was rushed to the hospital where he is now recovering. Bill spent long hours on the bulletin to get it out every month without fail, just as does our Boston crew. Anyone who wants to send him a get well card may do so. (Address on DX Specials Page - ERC) Bill will be glad to receive a card from any DXer regardless of his club affiliation. One verie this week, WAVE v/q. CU later.

HEARD SINCE LAST ISSUE

790 K S P D Ex-KEST	1170 W H L W Now on RS
800 K Q I N Burien, Washington	1190 W A M B Donelson, Tennessee
1000 W K B Q Garner, North Carolina	1400 W W S F Now 1,000/250 U-1
W R A R Warrenton, Virginia	1520 W A R R Warrenton, North Carolina
W R E M Jenkins, Kentucky	W K V I Knox, Indiana
1130 W W C M Ex-1380	1600 W J N J Ex-WKTX

"AN" SITUATION

OFFS. 710 K I R O Mon.-Sat. alternate weeks - is AN-RS SMS, has TT other weeks
1050 X E G 1170 K L O K (MMs only) 1280 W D S U 1450 W L A Y

ONS 1320 K X Y Z 1590 K U U U (both apparently NSP)

ERNEST R. COOPER - 438 East 21 Street - Carrier Route 23 - Brooklyn, N.Y. 11226

Veries do not exist! MM 11/16- Log and report on XEDF-970, way atop here till his s/off @ 2:58am. There's an RCN Colombian AN u/WIP-610, not enough yet for a report. R. Carrousel-655, Guayaquil, logged & reported, 3:09-3:51am, weak, but loggable. Another new SS on 970 for me in 3:55am s/on of R. Central, Caracas, logged to 4:14, with interference from WHN-1050's 970 spur (on top) then Central, then WWSW. A beautiful log on HIMS-570, R. Cristal, the one who DXed for us last Winter but who was obliterated here by then ANMM WMCA, is another one of my IPCs (Lead-Pipe Cinch) @ 4:16 beginning of IS, to 4:31 s/on w/ Dominican National Anthem, up/down w/R. Rumbos, Caracas - both are so loud they prevent any logging of 570 5am domestic s/ons (if any). WKEN? Pffft! Clarin-860 & Continental-890, both in Santo Domingo, noted s/on with anthem @ 4:58.

SM 11/22- Umm WTRQ-1560 noted ET/mx u/ WQXR's OC @ 12:43am. Log taken on R. Clarin-860, AN, & strong, on top. MM 11/23- Still not enough on Guayana-560 who s/on @ 3:43am & give 5am time pip @ 3:45am EST. Who is SS-730 w/few announcements dominating from 4:19 tune-in till 5am fade? I noted Venezuelan National Anthem on 580 @ 4:37am whilst looking for Jamaica's s/on, but I&C WKAQ, R. Reloj, was too loud to log the Maracaibo station, or Jamaica. 11/26- R. Clarin-860 was AN today. Who had long low-pitched TT on 1500 2:45-3:05 & on & on? Not WTOP, but on top.

COME ON

DOWN

It's bitter cold
where you are.

The M.A.D. guys
strike again!

Beveridges and beverages!

FLORÍ-DX

(or ERBA - S.E.)

holds its first
official session
in Uleta and Ft.
Lauderdale on
December 27,
1970 AD.

December 27, 1970

See Jerry Conrad's
long-long wire!

Orlando

Haines City

Tampax

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Activities in-
clude DX'ing,
rag-chewing,
FLORÍ-DX initiations,

DX the Latins with ease!

Last chance before the airlines
a temporary bever-
idge on Haulover Beach,
big-name personalities,
and fun, fun, fun!

December 27,
1970

If you're coming (and you
are) immediately contact:

Ronald F. Schatz (ERBA in exile)
510 N.E. 158th Street
North Miami Beach, FL 33162
Phone: AC 305-945-4915

See the NRC's largest
spiral loops!

or Richard Clark
4110 Bayview Drive
Fort Lauderdale, FL 33308
Phone: AC 305-564-3594

L.
Okeedokee

Bean City

"Mother"

Ft.
Laud.

Uleta

Miami

Hear 5 day-
light
countries!

At least three nations will be represented.

How about YOUR country?

Come on
up!

VOA
1180

