



# DX NEWS

the magazine of the National Radio Club



VOLUME 40

NOVEMBER 25, 1972

NUMBER 6

\* "Enclosed for another year airmail in the NRC; the best DX club around. You're not getting older, you're getting better." \*  
(Scott Brockway, N. Y.)

## IN THIS ISSUE...

▶ The Limits of Midday MW DX Reception - Gordon Nelson  
Latest Latin American Info - César Objío  
Indeed, What Is a Country? - Don Jensen

## RECENT NEW MEMBERS...

- \* James O'Brien, 324 Arlington Ave., Brooklyn, N. Y. 11208
- \* Wade Smith, 595 Reed Rd., N. Dartmouth, Mass. 02747
- \* Lowell McCown, Box 416, Martin, Ky. 41649
- \* Grant Manning, 4034 Ingrahm St., San Diego, Ca. 92109
- \* S/4 Ronald Morrison, 087-43-9443, USA SSG, ASCI, DA, Adv. Team 96-SSD,  
APO San Francisco, Ca. 96215 (Serving in Viet Nam)
- \* Jean Pierre Beland, 8016 Marquette, Montreal 329, P.Q.
- \* Jim Smedley, 3837 Terka Circle, Randallstown, Md. 21133 (Rejoins)
- \* Angel Garcia, 137-05 Franklin Ave., Flusing, N. Y. 11355 (Rejoins)
- \* David Williams, Box 615, HWY 101, Astoria, Ore. 97103
- \* Frank Howell, 140 N. Clark St., Milledgeville, Ga. 31061



Welcome to the NRC, gentlemen; we hope to be reading of your DX'ing efforts often here in DX NEWS.

## RENEWALS THIS TIME...

McMurray... Caldwell... Sebolt... Kennedy (A)... Peters... Hostettler...  
Riddick... Hathaway... Cooper (R)... Junker... McKay... Dangerfield...  
Edwards... McCoy... Greene... Wackerman... Wyman... Jacezak...  
Carrington... Feltz... Simmonds... Burger... Cook... Brauner... Huchinson...  
Wheeler... Anderson... Duffy... Plunkett... Cooper (G)...

## INTERNATIONAL PROBLEMS...

Bob Foxworth, our long-time IDXD Editor, was unable to get his section to us this week as the result of complications arising from the strike at CBS and moving into his new home. We are arranging for a temporary IDXD Editor to take over beginning next issue; further details next week. In the meantime continue to send IDXD type material directly to Foxy and he will forward them to his backup. **Foxy's been doing a tremendous job with IDXD for a long while and we hope things settle down soon...**

\*GPN & BGK

## SPECIALS

			Power	A.M. EST.	Info:
Mon. 11/27	WSDL-1560	Slidell, La.	1,000 D-1	3:00-4:00	I R C A
Mon. 12/ 4	WBIR-1240	Knoxville, Tenn.	250 U-1	1:30-2:00	N N R C
	WSPR-1270	Springfield, Mass	5,000 U-2	2:00-3:00	N N R C
Mon. 12/11	WMWM-1090	Wilmington, Ohio	1,000 D-3	3:00-3:30	N N R C
	WPAD-1450	Paducah, Kentucky	250 U-1	3:30-4:00	N N R C
Mon. 12/18	KNOE- 540	Monroe, Louisiana	1,000 U-2	2:00-	N N R C
	WCWC-1600	Ripon, Wisconsin	5,000 U-4	2:00-	N N R C
	WEKR-1240	Fayetteville, Tenn	250 U-1	3:30-4:00	N N R C
Mon. 12/25	WLJK-1270	Newport, Tenn.	500 U-2	1:00-	N N R C
Mon. 1/ 8	WGNG- 550	Pawtucket, R.I.	500 U-2	12:01-5:30	N N R C
	WSBS- 860	Great Barrington, Mass	250 D-1		N R C
Sun. 1/14	WJDX- 620	Jackson, Miss.	5,000 U-2	1:30-4:00	N N R C
Mon. 2/12	KOTA-1380	Rapid City, S.D.	5,000 U-2	1:01-2:00	N N R C
	KWHN-1320	Fort Smith, Ark.	5,000 U-2	2:00-	N N R C
Tue. 2/13	KGHL- 790	Billings, Mont.	5,000 U-2	4:00-5:00	N N R C
Sat. 2/24	KLCL-1470	Lake Charles, La.	5,000 U-2	3:00-	N N R C
Mon. 4/ 2	WRAN-1510	Dover, N. J.	500 U-4	2:00-	N N R C
DATES STILL UNSELECTED:					
	KLEB-1600	Golden Meadow, La.	1,000 D-1	3:00-3:30	N R C
	WLNG-1600	Sag Harbor, N.Y.	500 D-1	3:30-4:00	N R C
	WCER-1390	Charlotte, Mich.	5,000 D-3	1:00-6:00	I R C A

- WSDL-1560. Formerly WBGs, WSDL was on with a TEST on Mon. Nov. 27 @ 3:00-4:00 EST, with 1,000 watts, non-directional. We hope a lot of you heard them. Address is: Gerald Weaver General Manager, Radio Station WSDL, Box 1175, Slidell, La. 70458. Info from Karl Forth, IRCA.
- WBIR-1240. Reports go to Mr. J. Rex Horton, Technical Director, Radio Station WBIR, 1513 Hutchinson Ave., Knoxville, Tenn. 37917. Tough channel, no program detail. Jim Lovell.
- WSPR-1270. Plenty of IDs, and probably some tone and music too. This TEST will use the day & night patterns and power. The channel is reasonably clear, so many ought to hear this TEST. Send reports to Mr. Valentino Partyka, Chief Engineer, WSPR, 63 Chestnut St., Springfield Mass. 01103.
- WMWM-1090. With 1,000 watts directional 1700 true, [Z] Wes Boyd. WMWM will be testing on this date. The pattern is not a real tight one, so most should be able to hear this station. Look for band music & tones & Morse Code IDs & voice IDs. Roland G. Roy, Chief Engineer, WMWM Radio - Box 1, Wilmington, Ohio, 45177. Ernest R. Cooper.
- WPAD-1450. A program of music, chatter & news and frequent IDs. Reports go to Mr. Timothy H. Corey, Promotion/Public Relations, WPAD, Box 450, Paducah, Kr. 42001. Other clubs list date as Tues. 12/12, but our mimeod info from NNRC definitely says Monday, Dec. 11. Check both dates.
- KNOE- 540. (Ray Boyd, Dir. of Eng., KNOE, Knoe Rd., [Z] Jim Lovell. Monroe, La. 71201.
- WCWC-1600. (Paul Veleke, Operations Mgr., WCWC, Greycote, Inc., Ripon, Wis. 54971.
- WEKR-1240. (Ernest Tucker, Chief Engineer, WEKR, Box M, Fayetteville (Tenn. 37334. Details on these three NNRCs next issue.

"THE MAGIC TYPEWRITER" is still sick and we've again used the portable Smith-Corona, which Gordie says via the Alexander Graham thing, showed up very well. So, perhaps we'd be better off to stick to this smaller and quieter machine, with pica type size. And now we will stand by for Thanksgiving, and see you in a fortnight. We hope the big holiday was great and that you enjoyed your turkey and trimmings. We hope to see words from YOU in this next issue!

## SPECIALS

Sun. 11/26	WJVA-1580	South Bend, Ind.	1,000 D-1	12:01-	1
Mon. 11/27	KDWB- 630	St. Paul, Minn.	5,000/500 U-3	3:00-3:30	2
	KTGO-1090	Tioga, North Dakota	250 D-1	3:30-4:00	1
	WAVN-1220	Stillwater, Minn	5,000/361 D-1	3:30-4:00	2
Mon. 12/ 4	WBIR-1240	Knoxville, Tenn.	1,000/250 U-1	1:30-2:00	3
	WSPR-1270	Springfield, Mass,	5,000 U-2	2:00-3:00	1
Mon. 12/11	WMWM-1090	Wilmington, Ohio	1,000 D-3	3:00-3:30	1
	WPAD-1450	Paducah, Ky.	1,000/250 U-1	3:30-4:00	3
Mon. 12/18	KNOE- 540	Monroe, La.	5,000/1,000 U-2	2:00-	3
	WCWC-1600	Ripon, Wisconsin	5,000 U-4	2:00-	3
	WEKR-1240	Fayetteville, Tenn	1,000/250 U-1	3:30-4:00	3
Mon. 12/25	WLJK-1270	Newport, Tenn	5,000/500 U-2	1:00-	3
Mon. 1/ 8	WGNG- 550	Pawtucket, R.I.	1,000/500 U-2	12:01-5:30	3
Sun. 1/14	WJDX- 620	Jackson, Miss.	5,000 U-2	1:30-4:00	3
Mon. 2/12	KWHN-1320	Fort Smith, Arkansas	5,000 U-2	2:00-	3
Sat. 2/24	KLCL-1470	Lake Charles, La.	5,000 U-2	3:00-	3
Mon. 4/ 2	WRAN-1510	Dover, N.J.	10,000/500 U-4	2:00-	3
DATES STILL UNSELECTED:					
	KLEB-1600	Golden Meadow, La.	1,000 D-3	3:00-3:30	1
	WLNG-1600	Sag Harbor, L.I. N.Y.	500 D-1	3:30-4:00	1
	WSBS- 860	Great Barrington, Mass	250 D-1		1
	WCER-1390	Charlotte, Michigan	5,000 D-3	1:00-6:00	3

NOTE : NNRC & IRCA both show the WPAD-1450 DX TEST to be on Tuesday, December 12, but they notified NRC it was Monday, 12/11. The Monday date would seem more logical, but try both dates.

On WJVA-1580, try Monday November 27 - it seems they were on on a Monday in October. They must have meant "Sunday midnight" by saying 12:00 on Sunday Oct. 29 and Sun. Nov. 26. This is a frequency check and test. Reports go to Chris Cross, Director of Engineering, WJVA, N. Hickory Rd., South Bend, Ind. 46624.

KDWB-630. They'll open on 500 watts nighttime power, and at 3:15 (2:15, C.S.T.) they'll go to 5,000 watts, and will leave the air 15 minutes thereafter, using Top 40 music, and lots of station breaks. Reports are desired, but it's a tough channel. Send reports to Mr. William Dorweiler, Chief Engineer, KDWB Radio, Box 7630 - St. Paul, Minnesota - 55119. Gary Trim, IRCA

KTGO-1090. Reports here go to Charlene Power, Manager, KTGO, Tioga, N.D., 58822. They will probably use cycle tones and band music - marches. This channel may be quite clear except for N.W. stations and Latin Americans, so for most of us, a great chance for a really excellent DX catch! -Carl Dabelstein.

WAVN-1220. They will open with their PSA (pre-sunrise) power of 361 watts! After 15 minutes, they'll go full steam with 5 kw. non-directional. WGAR will most likely be on, alas. The music will be either old-time, or country-western and they will make frequent IDs. Send to Reynold P. Lark, Chief Engineer, WAVN Radio - 127 South Water Street - Stillwater, Minn. 55082 Gary Trim, IRCA

WBIR-1240. J. Rex Horton, T.D., WBIR, 1513 Hutchinson Avenue. WSPR-1270. Valentino Partyka, WSPR, 63 Chestnut Street. Details on these two in next week's issue of DX NEWS.

## "AN" SITUATION.

OBS: 1250 W K B R Inc. MM; SPU 1420 C - - - Plessisville, Que.  
HEARD: WMEY-1150 Fairfield, Minnesota (rr) FF; Inc. MM; SPU

# MUSINGS

OF THE  
MEMBERS
 ERNEST R. COOPER  
 438 EAST 21st STREET  
 CARRIER ROUTE 58  
 BROOKLYN, NY 11226

WILLIAM M. BLAZEK - 2716 Bellbrook Street - Hillcrest Heights, Md. 720031  
 I hope the rest of the DX season goes as well as has October. During the latter part of the month, WFOY -1240 heard on 10/20 with their r/c. Also on 10/20, WEEW-1320 w/s/off @ 6:30pm & WNMA-730 w/s/off @ 6:45. On 10/21, WRFD-880 Finally surfaced o/WCBS for 7pm s/off & @ 7:30 came WHII-1570 w/s/off. MM 10/23- Finally KFBK-1530 in from 3:30-4 with the ubiquitous Dolly Holiday. 10/24 brought a pleasant surprise in the form of KFDF-1580 w/s/off @ 7:45pm. On 10/25, I gave KPCA-1580 a try, and sure enough, they were in w/s/off @ 7:30. Reports off to both KFDF & KPCA, & I have now fulfilled my long-standing dream of logging all The Arkansans on 1580, hi. A few minutes on the RX on 10/28 yielded WGHC-1570 w/s/on @ 6am followed immediately by WTLK-1570 s/on. Last catch for October was KESM-1580, in on 10/31 w/s/off @ 6:45pm. A lot of reports are currently out, but replies have been far & few between for some reason. Some veries earlier this month were: v/l- WJCW-910 WFTC-960 WIXE-1190 WLIB-1190 KYMN-1080 WTTI-1530 & WFOY-1240. v/q- CFRA-580. v/f- WTAE after only 253 days! ERC, what is acceptable practice toward counting veries when a report to a station yields only a piece of promotional literature with no note nor signature? This has happened w/WBZB-1090 & WFMG-730, & as yet, I haven't counted them as confirmations. 73s. (Nor would I -ERC)

SSgt. E. BRUCE REYNOLDS - Box 3082 - HQ, Far East Network - APO, San Francisco, Cal. 96267

H1 - I thought I'd check in with my 2¢ worth to the world's best DX publication. The only DX here is AFNT-1560, in well nightly in Tokyo per tip from Lars Ryden. I'm now working the evening NX shift on the Far East Network, so any interested SWLs or BCBers are invited to try & tune me in. I'm normally on every hour on the hour from 4am to 9am EST, Mon-Fri. I would be interested in receiving some reports, especially tapes, to see how we make it into the States. I can take any type of tape, including cassette, & will personally verify any report sent to me with v/l, v/q, program sked, etc. If you are checking //s, takenote that our 6,155k outlet is NOT // to the others except for the hours 9am-4pm EST. At other times it carries continuous mx (a poor FM substitute) but does go // for NX on-the-hour throughout the 24-hour sked. All outlets have separate IDs just before the hour. Perhaps it's a little early, but I would like to take this opportunity to wish all NRCers & their families a happy holiday season. I should be back in the States, back in civilian life, and back into DXing in late September of next year. 73. (Can't be too soon for me, Bruce! -ERC) PS- I heartily agree with ERC's comments on greed! It's probably the biggest problem our country has!

JOHN JOHNSON - 318 Washington Street - Hoboken, New Jersey - 07030  
 DX CX excellent, plenty of stations coming through but most of them heard before. Another RX brought home - an SP-600-JX-7, with the Squelch built in in place of the phasing control. It could be a few years old - about ten years or so. I am looking for the Service Manual on the above model, so if any of you members can help on the above, let me know.

BRUCE WINKELMAN - 4148 Booth St. Pl. Apt. 3 - Kansas City, Kansas 66103  
 Greetings one & all. Some DX has been done/66103 but school & work limit what can be done. 10/25- KBEW-1560 w/c/w @ 6:53pm, ID 7:01. 10/26- WHLO-640 w/WX, ID 7:44pm, then rr; CJBC-860 in FF very good @ 8:02 w/what sounded like NX, ID 8:04pm @ S-9 plus. 10/30- WMAK-1300 w/NX @ 5:58pm, very messy frequency; WOKZ-1580 ID up out of the mess @ 6:28, then back down; WTJS-1390 w/mx 7:14pm, then political ads (what else this time of year?) 7:17 @ S-9 plus, good solid signal for lkw. 11/1- KGMR-1500 at a solid S-5 @ 6:24pm w/c/w, preacher @ 6:29 in a "Climate-controlled air tent", faded @ 6:30 w/KSTP on top & I thought I'd lost them for sure, but miracles do occur & it faded back up to S-9 for abrupt s/off w/no SSB 6:31pm. WFAA-570 in finally w/ID 7:30pm, unID-570 w/WFAA nulled, w/c/w and Radio Ranch" & "Trading Post" 7:37-7:45pm but never an ID. I suspect WKBN in YADland. 11/2- WOI-640 w/stock report 5:57pm abrupt s/off 5:59 w/no SSB, WNAD-640 w/CBS NX 5:59, pool ad 6pm, fast ID then more CBS NX. That completes 640 for me, except for CBN which could prove difficult to catch. Hints? 11/4- KMLB-1440 ID for AM & FM 12:31am then WX w/good signal; WAAX-570 w/ID @ 1:02 in the clear, then NX w/good signal for its listed 500w, my Ala. #1, KNDY-1570 w/good signal @ 6:11pm, then c/w till 6:16 s/off. That's more DX than I thought I had when I started this Musing! I went to a local ham shop & drooled over an excellent HQ-180, & HQ-110 that some chap had left sitting in a window after he decided he didn't want it & really faded the dials, etc. & a couple of surplus RXes made by Hallicrafters. But those will have to wait till school's over. HNL continues to plague me & of course TVI from our neighbors overhead. I just wish I could pull some TAs here but no such luck until a better RX is obtained. Foxy's column really has me enthused about TA DX with all the loggings reported. The magic 30 approaches, 73 & good DX.

BOB SHAW - 234 Columbus Street - Elyria, Ohio - 44035

Something for mystery lovers: Sat. 11/4, 7:10-7:31pm, 660k, unID w/accented EE? From tune-in till 7:15 they had a two-man sports show; then till tune-out mx (a mix of rr, instros & SS) w/male DJ. 7:30 ID: "R. (?Sesilenta?) w/XRs on 1555 and six-six-naught kHz." They also mentioned a call three times; twixt static & a loud het I'm not sure, but it sounded like PJD. Accent was not pure British but I wouldn't yield to the temptation of calling it Dutch either. Who is this? \* 11/5- WILL-580, U. of Ill., w/baroque mx, 8:29am ID & NX. WTPR-710 6:33pm w/detailed WX o/weak WOR. YVQV-1170 "R. Acarigua" clear u/WVVA @ 10:41. MM 11/6- I first logged these ANs: HJKA-540 (my unID YL) HJKL-610 CMKC-850 HJCE-890 HJAQ-1000. Also: WMEL-920 2:15 w/NX, weak but clear for call change. WFLA-970, first in everybody's log but mine, I guess, w/rr o/u WWSW. HJHN-960, "R. Sutatenza", 4am w/a lot of Buenas Dias so I guess s/on. WSLR was too much for KBRX. They're not usually so strong on AN, but I guess the Aurora cut the skywave out and prevented their normal fadness. I noticed the same thing with WAKR. 11/6 PM: KEEL-710 6pm w/NX o/u WKRG. WJDX-620 L&C @ 6:06 w/local NX & traffic. KALB-580, weak but atop w/CKWW looped, beginning NXcast for AM & FM (different call) @ 6:10. I'd appreciate any help on my unID; I'm sure this won't be a "mystery" to someone who, unlike me, has up-to-date LA listings. 73

Dolly gets a new night out-----

After much dispute, D. Holiday, well known all night personality (sic) at WBT and others has been granted MM off. Delete WM 0000-500 AM New WBT SP is MM 0000-0500 (Geoff Fox, visiting HQ)

\*Believe this is the long projected 10 kw Windward Islands station on St Lucia; the present low powered St Lucia outlet is on 1565 kHz. GPN



6 DAN K. PHILLIPS - 100 Hilltop Drive - Talladega, Alabama - 35160

Note the new address. I graduated from Southern Seminary in May & moved to Talladega 10/1 where I am the pastor of the Southside Baptist Church. I hated to leave the Louisville area. At least there were other DXers there, even though we didn't get together very often, I was glad to meet Dick Truax before I left. Although we were only about 15 minutes driving distance apart he had a much better location. His noise level was lower & the signals were stronger it seemed. Also cheerio Gary Atkins, Jim Nall, etc. The best thing about Talladega is that there are no AN stations. For a change that's great. It's almost as if there is a new dial to play with when you don't have all the slop-over. I have started a new log & now have 27 stations logged, ha. Overall totals are 1,565 with 563 veries. On 10/27 @ 11:37pm I tuned to 630 where KEOK & WSAV were fighting it out. Of interest here was the DJ for KEOK. A fellow named Mason Dixon who while I was in Louisville was the AN man at "The Big 79" WAKY. So Biondi went to WSAI! That sure sounds like downhill to me. I guess that's about all until some DX comes around I need to try to verify WKYC before they change calls. Willis Lewis where are you? I wrote, & no answer. Write. How come married DXers are so rare? Truax was the first DXer I've met in ten years who was married! (Congrats on your appointment, Dan! Much success! -ERC)

RICHARD FRCHO - Malcom Grow Box 2054 - Andrews AFB, D. C. - 20331

In my last Musing I said I thought I heard KING because the signal nulled towards Seattle. What I meant, of course, was that it peaked towards Seattle. Well, you know what ataring at an S-meter all night can do to your writing style! I finally brought my HQ-180A here from home, and have already picked up many new domestics and LAs in just a few days. No TAs yet, rats! The LAs (especially split-channel and Cubans) have been coming through almost every night for the past few weeks. YSS-655, came through in fine style 10/30 11:47pm for my first from San Salvador. What is a "Beverage antenna?" Never heard of one until I joined NRC. (It's a longwire that went crazy, hi - that is, about 5,000' in a straight line, end-fed -ERC) Lessee now, a few highlights of new DX: 10/30-HJJX-650, Colombia @ 2:59; WDAF-610 Mo. @ 1:04; CHOW-1470 @ 12:53; Reloj Nacional-1560 Cuba 11/1 @ 1:26am. Rest of DX is more or less routine. Well, my RX is staring me in the face, so I think I'll turn it on and go graveyard digging, as I have ignored those frequencies lately. 73.

RON MUSCO - 16 Chestnut Drive - Windsor, Connecticut - 06095

DX lately: 11/2- CHOO-1390 finally IDed as the one under WFEL w/s/off @ midnight, weak to strong, heard nightly here. 11/3 - WSLT-1520 w/f/c weak u/WKBW 12:17-12:30am. I called station and they said they'd verify. Bursts of TT noted 12:31, may have been for my benefit. I tried f/c from WTTM-920 but not noted. TT on 1510 @ 12:50 but no IDs. As a result of ERC's recent SM session I tried 1380 for WNRI. Many s/ons @ 6 noted including a weak WNRI but more important, someone mentioning Highway 129 in Georgia, WSIZ? 6:01am produced someone mentioning FM-stereo w/2kw in S.C., who this? 11/8-1490, an intriguing frequency! Someone s/off 10:30pm w/SSB, no ID heard. Another s/off 11:10, another 11:12, & still another, 11:15, no IDs heard from any of them - ugh! 11/9- I checked r/c list & saw WIDG-940 listed. I partially nulled CBM & there they were, 12:01-12:15 weak but clearly readable IDs. 1490 again in the PM! Tele-talk show noted @ 10pm, looped E/W, any help, ERC? (I seldom DX at that hour, Ron -erc) Finally Conn. #37 in WGCH w/WTXL nulled 11-11:15 s/off, excellent signal but constant turning of vernier tuning back & forth was necessary, said s/on 5:55. Another s/off 11:18 but I missed call. 1490 has action! V/1, WHLM-TEST. Many f/ups out.73

MIKE COLLINS - 2021 Main Street - Startford, Connecticut - 06497 7

A few new stations heard, including WNOE-1060 o/KYW w/mostly oldies on 11/6 around 5:30pm. Also WM00-1550, not new, was in well 5:45-6pm. Earlier, same date, only thing noteworthy was WDSU-1280 o/u WADO until both s/off @ 1. 11/8- WICH-1310 for the first time @ 4:45pm o/WJLK on an Auroral evening. This leaves my only unheard Conn. WBIS-1440, 500 D-1, 38 miles away, but buried by WBAB-1440 L.I. At 5pm 11/8 WSEM-1500 & WDEN-1500 Ga. were heard o/u one another. At 5:10 WYNX-1550 was in well. At 5:20 R. Barbados was noted all alone on 900 w/MoR & oldies. They used to be a regular here when on 780. At 5:45pm ZDK-1100 in well w/local NX & then R&B, very strong all evening w/a contest marking the station's second anniversary on 11/30. At 7:50pm WSTX-970 V.I. was heard o/WWDJ for a few minutes. Also EE NX on 760, may have been ZFY Guyana, but severe SS interference made positive ID impossible. At 8:28 WCAM-1310 was heard alone w/ID "WCAM Means Mx in S. Jersey"; strangely no WJLK noted. One night around 10:25 a Cuban w/first a TT & then // -590 was heard testing, w/an extremely strong signal, o/strong local WMCA-570. It has not been heard since, however. At the time 570 was on, CMKV-600 was off; CMKV came back around 12:30am after being off an hour, & the 570 went off about 15 minutes later. Like WICC-600 & WCDQ-1220, WOWW-1380 has Yale FB. WOWW is now on till midnight Mon-Sat w/an oldies show 10-12, "Red Carpet Radio" good mx continues for the rest of the day. Apparently because of its good season, the White Sox have won back WMAQ-670 as their flagship (I wonder if the A's'll get KNBR back, hi). WLAC-1510 is supposedly going Top-40-rr days soon, though the record order shows at night may remain. WDAT-1380 Ormond Beach has won a CP for 1,000 U-2. KAYQ-1190 has joined CBS, also WFBL-1390 & WFHR-1320. I just received a list of MBS affiliates, & it reveals MBS has only two powerful stations left, WCAR-1130 & KPNC -1560. WCBK-1540 & WEEZ-1590 have just joined MBS. New FCC rules drop the requirement for IDs two minutes either side of the hour, if that interrupts a program, & also eliminate the need for meter readings every half hour, changing it to every three hours. FCC freeze on AM stations, which has been in effect since 1968, is expected to come to an end by the end of the year, w/a system of allocations to be set up for new AM stations. 73.

Jim Poterba - 949 Queens Drive - Yardley, Pennsylvania - 19067

Greetings! DX has been doing fairly well here lately. I think WCCF-1580 is running past its sked s/off time for November - I've monitored them several evenings of late signing off @ 6pm, and they should be off far before this. WTWB-1570 TEST didn't make it, but I caught them on SSS then the next day. TA CX appear to have decreased in quality from those we had during October. No TAs have been heard for the past two weeks or so. A few veries in lately: Rabat-818 CMQ-640 WTUX-1290 WPTN-1550 WRUN-1150 WBEL-1380 WENE-1430 KYMN-1080 CBNM-740 CFAC-960 CBF-690 WIRV-1550 WJAX-930 WMBL-740 WIRD -920 WENZ-1450 WBTX-1470 WJMW-730 WCRL-1570 KPCA-1580 WM00-1550 WPHM -1380 CFPL-980 WRVK-1460 WFLO-870. My verie from the new high-powered Moroccan on 818 has Rabat written in on the back - what little confirmation that is to the estimations of location made by RJE, PT, & Foxy. KPCA-1580 was noted with great signals, so I called the PD. He's interested in more info on NRC, & this one looks as if it has potential for a DX TEST. As I type this 11/9, it looks like an extremely Auroral evening, with almost half of the domestic channels filled by LAs. These Auroras really help logging the southern daytimers. Russ Edmunds & Page Taylor's work on the TA Log has been well rewarded - it is truly one of the greatest works ever on foreign DX. 73s for now. Someday I'll get around to sending in the 100 or so verie-signers I've received in the last 1 1/2 months or so.



8 THOMAS R. SUNDSTROM - Box 205 - Willingboro, New Jersey - 08046  
I received the 11/4 DX NEWS today (11/13) and would like to comment on Edwards' and Schmidt's reports on Page 14. First of all, I would also like to see a CB net set up on MM for exchange of information. We could cover a lot more ground that way. As I have the SWL column in S9 magazine, I have a CB setup here with an omni antenna (anyone in Trenton, northern suburbs of Philadelphia or Philadelphia want to try it?). I know from speaking with Russ Edmunds regularly on the Monday or Tuesday following a session that each of us has stumbled across something the other would have liked to have heard. Re Dave Schmidt's comments on WCAM-1310, I'll agree WCAM has probably returned to an AN operation on MM except he might like to know WCAM was off this AM 11/13, & in checking most SMs this past month or two I have noted WCAM as being off. Perhaps on a regular basis as I too thought WCAM was NSP. WGH/WORC seem to be dominant here with WCAM off. This AM 11/13 was one of the more productive domestic DX sessions lately, for while looking for WY (??-ERC) I came up with WRPM, Poplarville, Miss. on 10kw ET (as per phone call to owner/CE) ending 2:47am, then 20 minutes later KPCR Bowling Green Mo. came on w/IDs heard 3:15 & 3:30am conducting an ET (playing "Dixie"). In addition, I was spot checking 1550 w/OC & TT @ the same time, & @ 3:38am, WTHB-1550 Augusta, Ga. IDed for an ET just prior to pulling the carrier off the air. 73.

JAY MURLEY - 1733 Candlestick - Newport Beach, California  
I can't recall who dubbed the contest "GOAT" but the way things went on certain simultaneous-listening mornings, that was a most appropriate nickname. The entries are trickling in with two weeks to go. The judges have been swamped (appropriately) by the point totals of certain contestants. For yours truly, it resulted in one new JJ. The results will be forthcoming eventually. Real reason to break my silence is to welcome Grant Manning to the NRC. As many dual members know, our new member in San Diego has at least two Mexicans (XETRA & XEPRS) logged, & is still trying to put together a reception report for KFI. At last report, he was DXing from a crystal set hooked up to a bent clothes-hanger for an antenna but has great plans for picking up a four-transistor RX.

ANDREW F. RUGG - 16 Lake Breeze Avenue - Pointe Claire 700, Quebec  
My job has interfered with my DXing & I haven't had any time at the dials. This may change after Christmas. I was pleased to see that the 1973 Convention will be in Boston & I should be there. I was in NW Quebec in October & observed their stations. See IDX for details. On the way back, I heard CJSJA-1230 s/off @ 1am so this would point at CHVD as the AN FF on 1230. Recent veries are SRS-725 YVRS-1020 & WSWF-1110. I haven't sent out any f/ups for last season, but will do so when I have some spare time. CRTC definitely has approved a new station in Asbestos, Que. Frequency is unknown. Asbestos is between Sherbrooke & Victoriaville. New loggings are WSWF-1110 @ SSS on 7/30, and ZIZ-555 the evening of 10/22. CHRD is the correct call of the Drummondville, Que. station on 1480. The CHAC mentioned in the latest NRC Log Updater is in error. 73.

CESAR F. OBJIO - Calle 34, Casa #30, Cristo Bay, Zona 5, Santo Domingo, Dominican Republic  
Hi, everybody. Yes, this is my new address, a temporary one, again, and back to the Dominican Republic. I intended to stay in Miami after the Convention but plans did not materialize, so here I am again. I hope to be of help to anybody asking for it in connection with Dominican or LA stations, please be free to ask. The neighborhood I am living in now (Cristo Bay) is very far from

9  
Downtown, I leave home at 7am & return at 7pm, you can imagine how much I am working now. I have a rest time from 2 to 3:30pm but impossible to get home because all time will be spent on the round trip. DX have been nil on this new place as my room is too small, smaller than the former, therefore there is no space for the loop, besides I am too close to R. Continental-890 tower & I can hear it from 800 to 1000, other XRs nearby are R. ABC-540, RTVD-620 HIJB-830 R. Clarin-860, R. Tricolor-1410 & R. Pueblo-1510. I had not received any issue of DX NEWS, then on Sat. Nov. 4 I received three issues (1 2 & 3), issue #32, Sept. 23, is still missing. Can HQ send me a new one, please? Thank you, gentlemen. As I haven't been DXing I have no news for you. I installed a 30 foot longwire on the roof, but it is not of a great help, loop is much better. Well, I really enjoyed the Miami Convention & I met some very good friends there. I don't know if I'll be in Boston next year, I hope so. My special thanks to Ronald Schatz for his most kind help during my stay in Miami. From now on I will sign my name as C.F.O. as was requested in the Convention. Sorry, Ernie, for this long Musing. See you friends.

CARL JUNKER - 1920 Malcom Drive - Kettering, Ohio - 45420  
Well, I finally got around to Musing. CX here have been fantastic, especially SSS. 10/24- WTHO-1530, s/off @ 7pm u/WCKY WMCL-1060, s/off @ 7:15 u/KYW, WSMT-1050 s/off 7:15pm. 10/26- WPME-1540 s/off 6:30pm, WMGA-1130 @ 6:35 NX & c/w, WLFA-1590 @ 7 s/off, R. Portugal-755 in well @ 7:30pm. 10/27- WBBA-1580 w/s/off @ 7:30pm. 10/29- After years of trying I finally logged R. Trinidad-730 @ 6:37 pm, man in EE w/NX. It has been in well every evening @ SSS since then. 11/1- WLOR-730, the Georgia Giant, covering the channel at 5:45 s/off. KOSE-860 @ 6pm s/off, WARB-730 w/rr & s/off @ 6:30. 11/2- WAMI-860 w/NX @ 5:40pm. WMSO-1590 @ 6 s/off, much-wanted WCCF-1580 @ 6 s/off for #37 on 1580. KALT-900 a real surprise @ 6:15 s/off. 11/3- WMOS-1050 @ 5:45 s/off. 11/4- WDBL-1590 in poorly @ 5:45 s/off, KLPL-1050 in well @ 6 s/off, a surprise, WFCG-1110 @ 6 s/off, KVPI-1050 @ 6:13 s/off, much-wanted KCAD-1560 @ 6:43 s/off, KGBC-1540 all alone w/NX @ 6:55pm. Amazingly enough KXEL was completely gone. MM 11/6- WKIZ-1500 @ 12 s/off. RJR-720 w/WGN looped @ 1:40am. KPOL-1540 w/KXEL off the air, only interference was from an UNID rr station which was AN & wouldn't give an ID even at the hour. (ZNS fits this description -ERC) WIAC-740 w/s/on @ 4:30am. WGOV-950 @ 5:08 s/on, WBUY-1440 @ 5:15 s/on. 11/7- WQMA-1520 in well w/NX, all alone @ 5:55pm. Not much TA activity has been noted here even though the A index has been low. Is Roger Winsor still DXing?

JIM HAYES - 9 Henry Street - Wilkes-Barre, Pennsylvania - 18702  
This week a static problem arose here. On 11/8 a loud buzz started & hasn't stopped since. When it started it blocked out everything but it seems to have leveled off enough to let the higher part of the band be static-free. 11/7- A great, great DX night at SSS. 4:44pm, WRDI-1580 Hammonon, N.J. strong on s/off. 4:45, WJJZ-1460 N.J. ticking clock s/off. 5:17, WYOU-1550 Tampa rose to local quality @ 5:19. 5:28, WRIZ-1550 Coral Gables very very strong in SS "R. Mundo", very strong on s/off. 5:30 WYOU heard on s/off seconds after WRIZ with reception now on WYOU very weak. 5:35, a tentative logging of WCCF-1580 Punta Gorda, Fla. I sent a letter to them asking if they can confirm. 11/11- 4:54, WPGC-1580. 5, WGOE-1590 Va. weak on s/off. After seeing what Chris Lucas is getting from the graveyarders it arose my interest in them again. 1400 1450 & 1490 are the ones open for me but tonight 11/12 there are so many in it's pretty tough to dig out any IDs. Total now, 444 heard. 73s.

THE HOLIDAYS ARE COMING - MAIL YOUR MUSINGS REPORTS EARLIER!

10  
 CARL LABELSTEIN - 3300 North 56 Street - Lincoln, Nebraska - 68507  
 I'll start off with a correction for my last listing. I erroneously reported the new call for KGGF as KEIM. It should have been KEIN - Keen Radio." DX since last report has been quite good. 10/23- HJXX-650 Bogota @ 3:30. KREM-970 Spokane w/a local school board program @ 3:45. KYXI-1520 Oregon City @ 4:50. CHQM-1320 Vancouver w/rr @ 5:45. WNVL-1250 Nicholasville, Ky. w/a local high school FB game @ 6:40. KUPI-980 Idaho Falls w/NX @ 8:30. KAYT-970 Rupert, Ida. @ 8:40. KSEI-930 Pocatello w/WX @ 8:44. 10/26- KIML-1270 Gillette, Wyo. @ 7:35. KBHB-810 Sturgis, S.D. @ 7:50. KDSJ-980 Deadwood, S.D. w/NX/WX @ 7:50. KYSS-930 Missoula, Mont. w/ABC-1 NX/WX @ 8. KBLI-690 Blackfoot, Ida. s/off @ 8:45. KMER-950 Kemmerer, Wyo. s/off also @ 8:45. KBRJ-950 (ex-KATN) Boise s/off @ 9. KWSU-1250 Pullman, Wash. w/KWSU Business Report @ 9:30. MM 10/30 brought KRED-1480 Eureka @ 1:25, WPAD-1450 Paducah s/off @ 2, WRC-980 ET @ 2:55. KSVQ-980 Richfield s/off & SSN heard 11/2 @ 7:15pm. 11/3- KDJI-1270 Holbrook, Ariz. s/off @ 7:15. 11/4- KNBO-1530 New Boston, Tex. @ 4:30. 11/6- CFGO-1440 (ex-CKPM) heard @ 2. KBRX TEST heard with excellent signal @ 3. The CE maintains a permanent file of all DX reports he has received in last 10-15 years. R/c from WAMI-860 Opp, Ala. heard 11/8 @ 5. WEIC-1270 Charleston, Ill. w/ER @ 6:20. KBRE-940 Cedar City, Utah s/off @ 7:15. 11/9- R/c-TT from WPCF-1430 Panama City @ 2. 11/19- KCIJ-980 Shreveport, s/off @ 7:15. Latest veries have been KSEK KOWO KLTF WOWL KYMN KREM KUDI KBLI WPAD, v/l.s. v/q- KOMO CBEF KTKT WFBR WCGC KYXI KSEI CHQM KOFI KWSU (verie #1,300) v/r- KEIN KYSS KOZE. v/c- WFLA. Totals nos are 1,493 logged & 1,302 verified. I had an interesting visit over lunch with NRCer Paul Hart of Houston on 11/3 when he was in town. I hope CX keep improving as they have. 73s & good DX.

MIKE COLLINS - 2021 Main Street - Startford, Connecticut - 06497  
 Hi all. Recent DX has included WBUD-1260 Trenton for the first time on 11/9 w/NBC NX WX & rr. 11/12- WGTR-1060 Natick, Mass. heard at noon w/cl mx & then rr for its start of operations. WGTR was heard weakly u/dominant KYW; WGTR is strong enough to tell what songs are being played, but not strong enough to understand what the DJ is saying. WGTR is stronger than WILD-1090 or WLMS-1000 here days, however. WGTR is owned by ex-WMEX DJ John Gerebedian. Best time for it is around SSS, after CJRP Quebec has cut power, and before WGTR has to go off. With a strong opening to Canada, an unID was heard on 690 on MM 11/13 w/EE CBC NX & then into a CBC program. This may have been an LPRT; if so, it'd be my first. Around 1:30am an R&B station was heard w/WWRL-1600 but I couldn't get an ID. (This I believe is WUNR -ERC) KFAX-1100 San Francisco has been given permission by the FCC to operate from 5am to SSS PLT w/50kw, & from 10 pm to 3am PLT w/1,000w non-directional. Lonny Starr, whom I thought was the best announcer at WGN-1050, & who also has been with WINS-1010 & WNEW-1130 passed away last Sunday 11/12. Don Rose, morning man of WFIL-560, who has been off for months after undergoing open-heart surgery, has now come down with flu, according to Variety. Joe Niagara, one of the big jocks of the 50s, has been filling in. It's been interesting to hear him. Finally, WBAB-1440 Babylon, L.I. has split w/MBS & Steve Clark has parted company with WBAB. MMs have been very disappointing this season, with very few new or interesting stations heard so far. On MM 11/13 WCBS-880 was off around 2am, & Washford, England was in on 881. That's it for now. 73.

JERRY OSBORNE - 763 Canterbury Avenue - Ottawa, Ontario K1G 3A2  
 I dusted off my old Hallcrafters SX-110 RX the other day & confirmed what I had suspected - that the SX-110 is much more sensitive than my newer SX-133 that I have been using. The

11  
 crystal filter on the 110 can run circles around the one on the 133, so I've decided to get the SX-133 aligned to see if it was set up properly in the first place. Actually, both sets are similar, seven tubes, etc., but the SX-133 is a bit more elaborate with bandspread on SWBC as well as the ham bands. DX-wise lately, I've been working on my totals from Eastern Canada, and getting reports off to a number of stations before they are buried under AN NSP stations. Most week-ends I crawl out of the sack for a DX session from about 4:30-6am. 4:30 gives you the s/on of the CBC Newfoundland net, & serves to judge CX. Then at 5 you have the s/ons of the AST time zone. I'm trying to raise Nfld. stations VOXM-590 and CKGM-620 but no luck. Incidentally, the 'hymn' that CBN CBNM etc. s/on with, along with "O Canada" is part of the "Ode to Newfoundland", a sort of hymn/patriotic song, going back to the time before 1949 when Newfoundland was a separate country. Some of the old call signs such as VOXM & VOWR are still in use. End of history lesson. Veries: v/l- CJCH WFNC KFGO WBSC KLTJ WAFB. v/q- KSL CFNB CKBC. Many thanks to ERC's v/s column in which I noted a v/s for CFGO-790. I sent off a f/up w/PPC & was very pleased to have N.D. verified. Thanks also to Carl Dabelstein who sent in the name of the CE. Nice to QSL a tough state, hi, so best DX to all and 73.

BILL FEIDT - 8708 Contee Road - Apt. 14 - Laurel, Maryland - 20810  
 Auroral CX prevailed during the first week of November & permitted the addition of some pretty fair southern domestic DX here. 10/25- WSON-860 Ky. @ 7:15pm w/end of CBS NX & into s/off format, no anthem, & no CJCB. I had Clarin on opposite bearing. 10/30- Agadir-1196 5:31-5:50pm EST (as are all the rest) at surprising level w/native mx w/flute & stringed instruments. 11/1 brought Auroral CX with just about all TAs gone! WGTA-950 Ga. 5:30pm not strong, but atop w/s/off w/mention of Tri-State Broadcast ownership. WAGG-950 Tenn. 5:37-5:43 w/MoR program w/"Moon River" theme to s/off; "America the Beautiful" used as anthem. KOSE-860 Osceola, Ark. @ 5:59 w/s/off & promo for FM on 98.1; QRM from DMG & others. Aurora continued on 11/2: WLBE-790 Fla. way atop 5:26-5:29pm w/stock report for First National Bank & Trust of Eustis; promo for FM & gone after power/pattern change. WFUN-790 Fla. @ 5:27 in background while listening to WLBE w/rr, call & phone number in South Miami. KVSA-1220 McGehee, Ark. 5:48-5:59 weakly in null of Cuban w/NX ID & into local NX @ 5:50 also very weakly @ 5:58 s/off-SSB. 11/3- WEYE-1290 N.C. @ 5:15pm s/off w/WFIG WFBG QRM. WKTZ-1220 Fla. 5:28-5:30 w/spot for TV-17, ID for AK & FM-96.1 & into s/off. WCLB-1220 Ga. 5:32-5:44 amid hets w/call & rr; copy very poor to s/off. 11/3 brought unID SS looping CA on 806.5a 10:20 to midnight. No space here, so see Foxy's section for full details. 11/5- WBLA-1440 N.C. @ 7am s/on at good level. WSWV-1570 Va. 5:25-5:28pm w/religious message & s/off-SSB; very good level. WKKE-1380 N.C. @ 5:30 w/ID amid QRM & into CBX NX. 11/6- WEIC-1270 Ill. 3:55-4:01am w/ET/rr, ID & SID, also noted w/TT @ 4:05. WBYB-1060 N.C. 5:09-5:13pm w/local spots & call ID; good at first, but faded fast. WALD-1060 S.C. 5:13-5:14 s/off. WSHO-800 La. 5:56-5:58 very strong w/PJB nullec w/s/off for tape. Then KOSY-790 Ark. @ 6 w ID & into NX. Also new logs on WXAP-860 WTUG-790 WMC-790 WHOS-800 & many foreign Lms, but I'm over 30, so I'll have to stop here.

"AN" SITUATION (all OFFS!)		HEARD SINCE LAST ISSUE	
1310	W C A M SMS, some MMs.	1060	W G T R Natick, Mass. (11/12)
1380	W B N X	1310	K E I N Ex-KKGF
1390	C H C O (s/off midnight)		W P R J Parsippany/Troy Hills
1580	K L O U MMs @ 2		N.J. (OC tests days)
	ON: 1100-KFAX 3-8am, 1kw	950	K B R J Ex-KATN



ROGER GIANNINI - 1111 Forest Hills Drive - Belleville, Illinois 62221  
 10/29PM, Aurora. Barbados-900 @ 10pm w/BBC MX poor due to XEW off the side. YVOZ-780 fair w/WBEM completely looped at 10:15. 10/30 AM- 1:25, first TA since 10/8 opening w/Dakar-764, arm-chair quality for a short period until fade out @ 1:40. 960 provided a new state w/KOOL Ariz. & should be listed in How to Log 50 States column, format is MoR subdued. CKNS (CHNS? CKWS? -ERC) s/off @ 2am, then KOOL w/NX. Tipoff to KOOL is WX reports between IDs. Temperature will be given for airport whose name is Sky Harbor if Phoenix isn't mentioned. 11/3 PM- Aurora. Unn WLBB-1100 w/WKYC easily looped. 1080 had SS w/mention of Venezuela, YVQJ? Time for both @ 6:27. 4VEH-1035 better than normal @ 4:40. CMDW-1030 w/XEQR looped @ good w/R. Liberacion ID @ 7:10 & talk on the war. I finally logged ZDK-1100 @ 6 w/ID "from ZDK Antigua", format is R&B. WKYC still looped. KELO-1480 (1140?? -ERC) a pleasant surprise @ 8:19. UnID SS dominated looped directed at Mexican, XEPR? Real harrangue program by female speaker. WAAAX-570 all alone. 670, I have to loop CMKP to get WMAQ. YVLL plainly audible underneath. 640, why is KFI good w/CMQ looped? XEMP-710 @ 8:25 w/no s/off WOR. WMAZ-940 strong when XEQ is looped, 9:27. WCOC-910 fair @ 9:57. WGSP-920 good @ 10 w/KARK looped. XEB-1220 no WGAR 10:20. WOOD-1310 fair w/WIFE looped. WVOZ-1320 w/NX/WX fair " 10:30. 11/4 PM- KALB-580 w/WELO not present 7:15. I never noted KALB before. UnID-600 LA, HJHJ w/CMKV looped, several three-gong chimes @ 7:15. XERH-1500 good, no KSTP @ 9:30. WHHY-1440 good o/semi-local WGEM 9:50. 9:30, R. Antilles assumed the one w/SS NX @ 10:07. 11/5 AM- HIRE-1180 noted after WHAM s/off @ 1:10. I checked 4930 to be sure. I heard R. Globo after HIRE 1:30 s/off w/good signal but jamming or WHAM's carrier messed it up. R.G. was so good I could pick it up on Admiral Trans-Oceanic portable. Next several days continued to be Aurora without anything interesting logged. I blew a chance to win \$2,400 when KXOK called me up on 11/4 PM & I didn't answer the phone w/KXOK no. 1 in mx. I would have sent the check to GPN & ask him to buy an R.390A in Boston for me & modify it for MW DX. KXOK did tell me my name is placed back in the hopper. Better luck next time. 73.

23881.

ED SEBOLT - 12801 Cove Drive - Harbour East Village - Chester, Va.  
 First thing - as a new member I came along during your HQ fire - I hope I am on your list to get a New Member Kit! I received your Pattern Book - best aid ever created for DXing. A little intro: I am a systems analysis programmer for Bank Virginia Service Co. (Richmond); 33 years old, been DXing on & off about 20 years & I am now using an SX-133 w/SM-1 antenna, (best I've ever used). I have logged 176 stations, 30 states. I have not attempted veries. I do most of my listening from 11pm to 1am, again 5:45-7am each day. Following heard in Richmond since 11/2: 11/2- 6:48am, WRCS-970 N.C. 11/5- 12:10am- WDAK-540 Ga., 12:20 WWNC-570 N.C. 1:03, WBER-960 Ala. 1:12, WLOF-950 Fla. 8:30pm- WSIX-980 Tenn. 8:35- WPHG-980 Va. 9:05 WSPA-950 S.C. Above isn't great, but a whole lot better than found here earlier in the year. A few questions now - where do you get your abbreviations? How do you ID an LA station on MW? Also what do you report to a domestic MW station? Well 73 for now, also \$3 enclosed, please return me to First Class Mail again. (\$3 check sent to Boston, Ed, & the New Member Kit should answer your questions. Welcome to Musings! -ERC)

WES BOYD - WHOT - Youngstown, Ohio - 44505

FCC Rule changes, in effect 12/15/72, mostly affects XR operation & such but one rule effects Station IDs. They'll be required only once per hour (The :30 IDs are out). ID at the top of the hour, no longer  $\frac{1}{2}$  2 minutes. Now will be Top of the Hour "as close as possible. For most stations w/NX :55 or :00 no real effect.

CHRIS LUCAS - 407 Elmwood Avenue - Ithaca, New York - 14850

DX time was somewhat limited this week due to my studying for a big exam, but time spent DXing was quite productive w/28 new stations logged. November has so far been quite Auroral in character, as is evidenced by the fact that a week ago after a year of on-and-off DXing at this Ithaca location, only three Fla. stations had been logged (WQAM-560 WSUN-620 WYOU-1550). Now this total is up to 14. DX: Halloween: WKQW-1300 Spring Valley NY " 4:45pm. WQBK-1300 Rensselaer, NY @ 5. 11/1- WEZY-1350 Cocoa, Fla. " 2am, WHWH-1350 NJ @ 4:21pm, WASP-1130 Pa. @ 4:59pm, WCBX-1130 N.C. @ 5:15, WMGA-1130 Ga. @ 5:31pm. 11/2- WLUX-1550 Baton Rouge @ 6:01pm, CKPT-1420 Ont. @ 7:30pm, WWOX-1400 Portsmouth, Va. @ 11pm. 11/3- WKBI-1400 St. Marys, Pa. @ 4:57pm. 11/4- WTNT-1270 Fla. @ 6:08pm, WNDB-1150 Fla. @ 6:25, WCOJ-1420 Pa. @ 6:34, WFLA-970 Fla. @ 6:54, WEAT-850 Fla. @ 7:09, WIOD-610 Fla. @ 7:31pm. 11/5- KXOK-630 Mo. 12:57 am, WMEL-920 Fla. @ 1:22am, WLOF-950 Fla. @ 1:32 (Pattern Book shows virtually no power in this direction), WUOK-1270 Dumberland, Md. @ 5 pm, WLIK-1270 Newport, Tenn. very good from WUOK pattern change @ 5 to 5L35 tuneout. 11/6- WACY-1220 Fla. @ 5pm, WKTZ-1220 Fla. @ 5:30 s/off, WDSU-1289 La. @ 5:52pm, WARN-1330 Ft. Pierce @ 5:59pm, WYMK-1380 La. @ 6. KWKH-1130 La. @ 6:08, & total is 480. Thanks to Don Erickson for sending along SRS/SSS maps; these are a very valuable DXer's aid. I've noted Auroral CX affect the lower frequencies more than the upper ones : many Northern stations have been noted on the highend when only the Deep South, the Garribbean & locals were noted down at the low end.\* I'm hoping the Aurora keeps up so that more of this great DX can be had. 73. (I'm with you, Chris -ERC)

SHELDON SWARTZ - 290 Court Street - Plymouth, Massachusetts - 02360  
 Re-intro: 23, single, & a jingle collector. NRGer Gary Pall (and not to mention another NRGer, his wife, Lynne) & myself will be holding a "jingle party" in a week - it'll feature all kinds of station jingles, most of broadcast quality. Many Boston 50 kw DJs should be there (and how will we fit them all into an 8x12 room?) and between the jingles & the bull, it should be a lot of fun. Collect jingles? Wanna swap? Write! Beginning to DX from Plymouth. Waterpath by day yields the low-power N.H.-Me. stations & includes CBA-1070 day & night. MM 11/13 yielded nothing but CFGO-1440 w/rr in Drake style but uses jingles similar to WLS-890. Excellent format, & superior to ANY I've heard in the U.S. WSBS advises disregard DX Calendar info - it should be on MM 1/8 instead. Times forthcoming. All CPCers - Send all new TEST info to me for publication in CPC ACTION. All for now - time to go to work amidst the eighth successive rainy day. 24-hour chatline is 617-746-0394.

CHRIS WOODRUFF - 7865 Allison Avenue - Dayton, Ohio - 45415

Since I haven't Mused in a while, here is a brief intro: I am 14 years old & am a freshman in highschool. I have been DXing for about 1 1/2 years. My totals now are 312/34 stations, 34/21 states, 6/2 countries. I have logged 37 new stations since 10/15. Recent DX: 10/17- WLSI-900 Ky. s/off @ 7pm. WRNL-910 Va. @ 7:07. KWVL-1330 Ia. 9:18pm. 10/19- KFDF-1580 Ark. s/off @ 7:45. KPIK-1580 Col. 8pm. KLOU-1580 La. 8:12. 10/28- WFBR-1300Md. 10:30 pm. 10/29- WINX-1600 Md. 8:12pm. 11/1- WTRU-1600 Mich. 7:47pm. WFAK-1470 Pa. 11/4, 9:15pm. KPRC-950 Tex. 1:36am 11/5. 11/6- KCTA-1030 Tex. 7am. WVOV/WQTY-1000 Ala. @ 5:35pm u/WCLL. 11/8- WFNC-940 N.C. 5:15pm. WLBB-1100 Ga. 5:40pm. And there's lots more. DX has been great with stations from the South. 73s and good DX.

WE REMIND YOU TO USE A.M. & P.M., AND ONLY E.S.T. IN YOUR MUSINGS. PLEASE PLACE THE CALL FIRST, THEN FREQUENCY, AS "WCAI-1200". THANKS.

\*See page 35, Chris. GPN



CHRIS HANSEN - 1312 B Carman, Columbia University, New York, NY 10027

I am Musing today because I spotted a little error in an article printed in DX NEWS last week. It stated that the carrier current station, WTCM in Boston, was the "first carrier current radio station in the nation." I must beg to differ, as I suffer under the indignities of such a station here in Columbia.\* Many colleges, I understand, have this kind of station to carry campus programs to their dormitories. Columbia's station, WKCR-590 (Don't look for it in the Log, fellows) spoils any thoughts I might have of DXing on that frequency. Luckily it is often (as is now the case) out of order, but when it is on, it is so strong (every electrical wire in the entire building radiating this signal) that DXing is impossible. WTCM is perhaps the first such station in a housing project, but I doubt that it is the first. Can anyone back me up? Thanks, and 73s and best DX to all. (Didn't WKCR used to use 800? -ERC)

JEFF FALCONER - Box 63 - Clinton, Ontario

This is for Nov. 17 NRC Bulletin. (Ha, Jeff - it got here on Sat. 11/11, two days too late -ERC) Hi everyone. CX lately have been wonderful. On 10/30 I heard my very first TA in Senegal-764 @ 2am. Anyone know who the LA on about 765 heard just previous to this is? (YSKL I think -ERC) Lately 1580 has been a good frequency @ SSS. 10/25 saw WJVA @ 6:50pm w/ID, then @ 7:05pm WCCR faded in briefly for an ID. On 10/26 I bagged WANB w/sports @ 6:21pm. On 11/15- WJFW-810 @ 2:50pm w/WGY, had MoR. At 3:30, WWOW w/WKYO looped w/c/w @ "Country Hoedown" program. WISN faded in @ 4:30 pm along w/WNEW/WCAR w/NX. At 5:05, I was surprised to hear WSMU-1190 w/WOWO mulled, had c/w, w/spots for local businesses. Verles in from: v/q- WKOK & WHBL. v/1- WJCW & WJVA. Totals now 543/348. 73s & good DX to all.

DAVE SCHMIDT - 8 Valley Terrace - Apt. 9 - Wilmington, Delaware 19802

DXing takes a giant step sideways as of 12/15 w/a few new FCC rulings that will take effect, one big one includes CCB stations. At the station today, 11/6, we received a public notice from the FCC through the WCHE attorney's office in D.C. One of the changes toward CCB stations is as of 12/15, stations will no longer be required to give a legal station ID plus or minus every two minutes on the hour & half hour. New rules say stations will now have to give a legal station ID on the hour, as close to the hour as feasible, at a natural break in program offerings. Before this ruling held effect mostly in the cases where you have one continuous program (i.e., church services, FB games, etc.), now it will hold effect for the whole works. Another one for the record is that all programs that are taped must be identified as being so. This is against misleading the public, as the FCC states it. The ruling, naturally, doesn't apply to commercials or public service announcements. Daily statements of some stations that carry about reproducing programs from a network for later broadcast will no longer have to be given. Others that are less related, XR logs will be kept for three hour intervals, instead of every 30 minutes. Operating & transmitting logs will be kept in one common log if a station so wishes. Transmitting equipment will only have to be checked over once a week, not five days of a week as it stands now. That's the kind of things you get when you're aPD, hi. Verles, finally, in from WRGM-1540 large v/q, & a v/c from WPUV-1580. DX, not much, in from a report out to WKIS-740 11/6. Also, a bit of a tip, seems like KLOU-1580 has quit AN on MM, noted s/off last two MMs @ 1:59am. Good chance for KDAY if CX open up. 73s.

\* Yah, we noticed that error too, Chris, but what do you expect from a female newspaper reporter? There are 9 other carrier current stations in the Metro Boston area; 6 of which have been logged at HQ. So much for the 4th Estate... gpn

# The Limits of Midday MW-DX

\*Gordon P. Nelson

Transcontinental reception on the broadcast band at high noon? Impossible, you say - and you're probably right! But what are the limits of BCB DX reception during the daylight hours - and why? A few days ago we listened to the 5 kilowatt Chicagoan WAIT on 820 kHz at high noon here in Boston - a distance of about 900 miles. What else can we expect to hear in the way of distant DX at noontime? Relatively few MW DX'ers have really DX'ed seriously during the midday period and it's our hope that this article and Dave Fischer's new daytime DX column will generate some new interest in this neglected facet of our hobby.

We'll begin by establishing some necessary ground-rules for the following discussion. By "midday" we will mean only the period from 10:00 AM to 2:00 PM local time. This will rule out immediate post-sunrise receptions such as Transpacifics on the West Coast and pre-sunset receptions such as Transatlantics during the late afternoon on the East Coast. Very odd things happen to the ionosphere near dawn and dusk and we'll steer clear in this article by restricting ourselves to the period centered on local noon.<sup>1</sup> We'll further restrict ourselves to the Tropical and Temperate regions; high latitude regions such as Alaska and the Yukon are in perpetual dusk or darkness during the winter months and experience their own odd types of MW conditions.<sup>2</sup>

Most NRC'ers are well familiar with the basic day and night patterns in MW reception. Broadcast band stations transmit power in three different ways. The direct wave provides reception line-of-sight and does not follow the curvature of the earth. The ground wave travels along the ground, following the curve of the earth; it becomes progressively weaker the further it goes, but essentially stays the same strength day and night. The third type of signal radiated is the sky wave which travels skyward from the antenna and is reflected back to the earth by the "reflecting layers" of the ionosphere high above the breathable atmosphere. During the daylight hours, ionizing radiation from the sun in the form of X-rays and ultraviolet light will penetrate to the bottom of the ionosphere and there produce an electron-rich region called the D layer. The absorption of a radio signal in the D region depends greatly upon the frequency; broadcast band frequencies are absorbed most strongly of all. Once the sun sets the D layer disappears very rapidly, the absorption vanishes, and the sky waves come through loud and clear. Ground wave by day, sky wave and ground wave by night; generally true, but not quite always...

Before we get into the highly intriguing but little-known topic of daytime sky wave reception on the BCB, we'd better take a good look at "deep fringe" ground wave reception so we'll be able to spot the sky waves when they do manage to make it through...

How far can a broadcast station be heard on ground wave? A simple question with a not-so-simple answer... Propagation by ground wave is primarily a medium and long wave effect; at short wave frequencies and higher the ground wave dies out so rapidly away from the transmitter that it may be completely negligible within a few miles. Thus while the high frequency broadcasters strive for sky wave and direct

wave power output, the daytime MW station must rely upon ground wave to reach the primary coverage audience beyond direct line-of-sight.

As the ground wave signal travels along the ground it becomes progressively weaker the further it goes from the transmitter. Part of the weakening is strictly due to distance - a fixed amount of original power is being spread over an increasingly large area. The signal is also weakened as it travels along the ground because of earth losses: a small fraction of the signal power is converted to heat in the ground since earth and rock are not perfect conductors. The higher the ground conductivity the less power it will suck out of a passing MW ground wave; rocky ground such as we have in New England is very poor and ground waves die out quite quickly; sea water and salt-marsh are best and will propagate ground waves over comparatively great distances.<sup>3</sup> The actual effect of ground conductivity on the carrying-power of a particular ground wave signal is quite great as we will show later in this article...

When does the ground wave stop? In principle, never - it just continues to spread along the ground, although becoming progressively weaker. Eventually, though, the signal will become so enfeebled that you, the DX'er, will be unable to hear it - instead you will hear your background noise. While theory may have these signals "echoing eternally", once it gets weaker than your neighbor's fluorescent lamp buzz it becomes strictly academic...

Your own personal local noise level is your worst enemy when it comes to logging very weak signals such as those from distant midday goodies in the 1,000-plus miles range. It's quiet in the daytime at your place, you say? Then read on... On high frequencies well above the BCB, the threshold for the detection of very weak signals is determined by the weak but unavoidable noise level generated by your receiving equipment itself - your mixer stage, your first RF amplifier stage, or even your antenna depending upon the frequency and how many pains have been taken to reduce the noise level of the receiving system. On Our Beloved Broadcast Band, however, the weakest signal you'll hear will probably not be your receiver noise; rather it'll be the external noise level. This is the sum total of the atmospheric noise generated by all of the thunderstorms in the world, the man-made electrical noise from all of the automobiles, neon signs, and other electrical widgets within radio earshot, and the cosmic noise level produced by such inconsequential noise sources as the Sun, the center of the Milky Way galaxy, and other sources beyond the jurisdiction of the F.C.C....

Unless you're trying to DX with a rather poor receiver and/or a very inefficient antenna, your weak signal threshold will be determined by the external noise and not your equipment.<sup>4</sup> This is a rather important fact for the BCB DX'er since it means there's no need to resort to the highly sophisticated low-noise RF techniques so important on higher frequencies - given all but the smallest and least-efficient antennas, we're as much at the mercy of external noise today as we were in the 1930's. Those 200 watt Australians were heard with receivers equipped with 30's and 6K7's, remember; Nuvistors and FET's, params and Masers won't do any better since the external noise level has gone up roughly like the price of eggs since 1930...! Given half-decent equipment, how distant a ground wave signal you're likely to hear at noon tomorrow will depend primarily upon your local external noise level, assuming of course that you can find a clear channel.

Before we will be able to calculate just how far a particular ground wave signal will be able to travel before it becomes so weak that it drops into your local noise level, we have to have some idea of how loud your local external noise level is likely to be. Since the external noise level is a very important factor in the design of most communications systems, many groups have been making systematic measurements of external noise levels over the years in a variety of locations. Not surprisingly, there is a great difference in the broadcast band electrical noise level depending upon receiver site, season, and time of day. The noise level figures given in the following table have been derived from the latest ESSA technical report on the subject, dated 1970. In addition to the latest data from ESSA, it also includes data taken from the comprehensive studies of the CCIR in Europe and the U.S. Navy here in the States.<sup>5</sup> Bear in mind that the electrical noise level is a statistical quantity regardless of the origin of the noise; therefore short term variations from the median values are to be expected. The values given here are the best available at the present time. Nevertheless the topic of noise measurements is a difficult one and debate continues on both the theory and practice.<sup>6</sup> The figures here may well be modified slightly in the light of further research; they're good enough for us, though, and should give a good idea of the differences between urban and rural noise, man-made and atmospheric levels, etc.

For each of five model MW receiving sites we will give the median noise level for 1000 kHz as derived from the ESSA data.<sup>7</sup> In addition we'll give the relative S-meter readings for the noise for these sites - based on the assumption that the faintest noise level (Class V) has been set to equal S0! S-meter readings are relative and our reference point is definitely a bit weaker than experienced on most receivers... So if you live in a city and your local noise isn't S9 or thereabouts it doesn't necessarily mean you've gotten off lucky, it probably just indicates that your S-meter reference point isn't the same as the one we have chosen.

TABLE I. External noise levels at various sites measured at 1000 kHz.

Type of receiving site and noise level	Median noise level microvolts per meter	S-meter reading for noise; Class V level set to S0
I. Urban site; man-made noise level; data from Washington, D. C.	18	S9 plus 5 db
II. Temperate zone site; midsummer atmospheric noise level; midevening; data from Washington, D. C.	10	S9
III. Typical rural receiving site; man-made noise	2.7	S7
IV. Quietest rural receiving site with roads and power-lines; man-made noise	0.32	S4
V. Quietest possible rural site; no man-made noise; mid-winter atmospheric noise level; midmorning data	0.02	S0

These are very interesting numbers. Notice, for example, the very great difference between the noise levels at a typical site in a large city and those at rural sites. Most important, though, is the fact that the Navy and ESSA were unable to find a single site uncontaminated by man-made electrical noise - even at very remote sites in places like Wyoming and Colorado. The only qualifications imposed on the sites chosen for measurement were that roads and power lines be present. Man-made electrical noise is propagated in the same ways as regular signals: direct, ground, and sky-waves. In addition, man-made electrical noise is very prone to propagate along power lines; thus we can take the noise value of 0.32 microvolts per meter as a realistic lower limit of the noise level at 1000 kHz that the DX'er is likely to experience - unless, perhaps, he back-packs his portable equipment into a wilderness area.<sup>8</sup> Observe that the quietest level of atmospheric noise likely to be experienced in most of North America is well below the quietest rural man-made noise level; thus the probability is very good that what appears to be the atmospheric noise level on a very quiet mid-winter day is actually man-made noise instead. Unless the man-made noise level is being dominated by a few powerful sources such as discharge tubes or a nearby automobile engine, the faint background of residual man-made noise will be indistinguishable from the background atmospheric noise level. With North America full of countless billions of light switches, neon and fluorescent tubes, automobile ignitions, SCR light dimmers, and other weak noise generators, the sum-total of all these weak individual noise transmitters will sound very similar to the atmospheric natural noise level.<sup>9</sup> We will go into the interesting question of just how much the hobby has been hurt by this man-made noise pollution in a separate article here in DX NEWS.

How far will a particular ground wave signal travel before it becomes so enfeebled that it drops into your local noise level? The factors which must be taken into account are: (1) The effective transmitter power in your direction. Naturally, the more powerful the station the further the ground wave will carry. (2) Average ground conductivity along the path. The more conductive the ground along the signal path the further the signal will carry. The least conductive and thus poorest ground is pure rock such as the Continental Shield Granite of New England; it rates a conductivity value of 0.5 mmho. For our purposes we'll assume an average ground conductivity of 7 for long signal paths; the best conductivity of ground is about 40. Salt water is very conductive and will propagate ground waves over very long distances; we will assume a conductivity of 5,000 for sea water. Bear in mind that the effective ground conductivity for a MW ground wave is determined by the nature of the sub-soil strata to a depth of 50 feet or more.<sup>10</sup> (3) Frequency. High frequency signals are converted into heat in the ground most efficiently; thus ground waves carry further for stations on the bottom of the band than for the top-banders. (4) Receiving antenna. Beverage antennas are in a class all by themselves for this type of reception and will be discussed separately; other types of antennas are essentially equivalent for our purpose as long as they provide enough signal to override receiver-generated noise.

The distances in the following tables indicate just how far a typical 50 kw nondirectional signal (say 1800 millivolts per meter at one mile) in the middle of the band (1070 kHz) will carry before the signal drops to a level equal to the noise level at the receiving site. This is too weak for readable audio in most cases, of course; since we are using median noise levels, though, the noise level will be actually somewhat weaker than the median value half of the time on the average and a persistent DX'er will probably be able to pull enough audio for an ID at least...



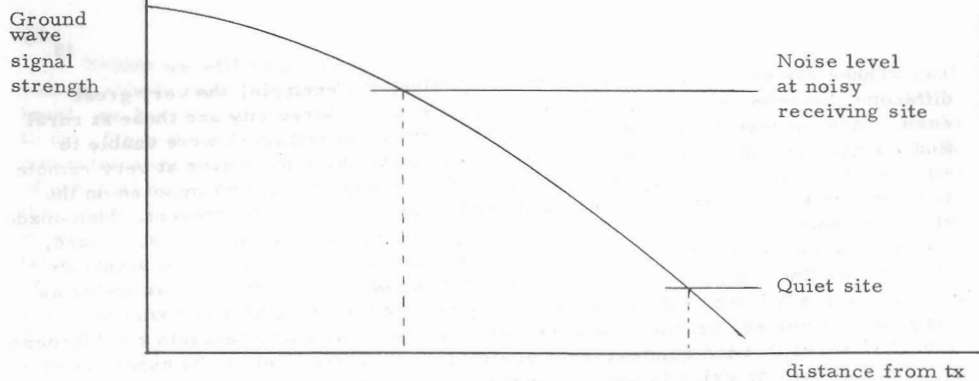


Figure 1. Ground waves become progressively weaker the further they have travelled; the receiver site noise level determines how far out they will remain audible.

receiver site noise level	ground conductivity			
	poor ground (0.5)	Average (7)	Excellent (40)	Salt water (5,000)
Urban site; man-made	150 miles	280	500	860
Summer PM; atmospheric	180	315	550	925
Typical rural; man-made	250	385	650	1090
Quietest rural; man-made	380	530	820	1400
Midday (winter); atmospheric	710	810	1160	1950

Table 2. Distance a midband 50 kw nondirectional signal will travel before dropping to noise level at receiving site for different values of ground conductivity.

Thus if you live in a New England city with poor ground conductivity and an urban noise level you'd expect groundwave from a mid-bander out to about 150 miles; with quieter locations and better ground conductivity along the path, the coverage range is increased substantially. In the ideal case of a site with no man-made noise on a midwinter day with an all salt-water path the range is extended to about 2,000 miles! In actual practice, with a quiet rural site and average ground conductivity, 500 miles is about what you'd expect.

The preceding table assumed a 50 kw nondirectional transmitter operating in the middle of the band. Suppose instead we consider a more extreme case - that of a 50 kw'er with a very directional pattern pointed right in your direction. A bit of browsing through the NRC Night Pattern Book shows that the most powerful of the directional 50's will generate a field of about 5,000 millivolts per meter; these are stations like KAAV, etc. The following table repeats the last set of calculations

except that we have replaced our hypothetical nondirectional midband 50 kw'er with a highly directional one pointing right down your throat.

receiver site noise level	poor ground (0.5)	ground conductivity		
		Average (7)	Excellent (40)	Salt water (5,000)
Urban site; man-made	195 miles	330	570	980
Summer PM; atmospheric	230	370	620	1050
Typical rural; man-made	305	460	740	1240
Quietest rural; man-made	480	615	940	1575
Midday (winter); atmospheric	885	920	1300	2200

Table 3. Distance a ground wave signal will carry from a highly directional 50 kw station on 1070 kHz before it falls to the level of local noise.

Note that while the range is increased noticeably the proportional increase in coverage distance isn't really outstanding and the receiving site must be dead in the center of the pattern for it to count. This, then, is the expected coverage range for the most powerful midbanders in North America excepting PJB and some of the Mexicans such as XEX, etc.

Is this then the limit for midday ground wave reception? No, we've left out one additional factor - frequency. The above tables were for a station on 1070 kHz; a station on a lower frequency will get out further. And, conversely, the high-banders will get out less... In Table 1 our average nondirectional 50 kw'er managed to carry 530 miles over average ground before equalling the noise level in our DX'ing site in Faruralville. Were the station operating on 540 kHz at the bottom of the band instead, it would carry for 690 miles instead. Replace the nondirectional 50 kw'er of Table 1 with the highly directional station in Table 2 and shift the operation down to 540 kHz and it'll carry out to 790 miles.

Now you begin to see why we always answer, "Well, it depends..." when asked how far a station can be heard on ground wave. To recap the ground wave thing: if you manage to get a very quiet receiving site, limited only by the noise from roads and power lines, use anything less than a Beverage antenna, listen to a highly directive 50 kw'er beamed at you on 540 kHz, and have average ground along the path, the signal will carry about 950 miles before melting into your local noise level.

(The concluding half dealing with daytime sky wave reception will appear next issue...)

# DOMESTIC X DIGEST



EDITOR:

r. j. edmunds  
box 946  
wayne, n.j. 07470

(201) 335-6397

Greetings, again. After a one-week hiatus, we're back again. Lots of info this time, so we'll get right into it.

## changes

- + 540 CP -BC Coal Harbour, 40 40 U1 rel. CBU
- + 630 CP -PQ Lachute - DELETE
- + 570 WMCA-NY SCH: SP MM to 0430 (Ernie Cooper, Bklyn, NY)
- + 810 WGY -NY Seems off MM now. Dunno if still off FM's (ERC)
- + 830 WNYC-NY S/off is 2200 (ERC)
- + 860 CP -BC Clearwater 40 40 U1 rel. CBU
- + 1080 CP -BC Sorrento 40 40 U1 rel. CBU
- + 1060 WMBE-MI CP is on (West Branch)
- + 1090 KAAT-CO CP is on (Denver)
- + 1170 CP -AB Red Deer 10000/5000 U4
- + 1230 CJOK-AB (CP) Fort McMurray, 1000/500 U1 w/EE,FF,Indian, other ethnic pgmg. (John Oldfield, Edmonton, Alta.)
- + 1260 CFRN-AB SCH: SP TU 0300-0730 w/rr (JO)
- + 1280 CP -AB Calgary - DELETE
- + 1290 CJBK-ON ex-CJOE (Jeff Falconer, Clinton, On) \*\* Welcome to DDXD-RJE
- + 1310 CP -AB St. Paul's - DELETE
- + KEIN-MT ex-KKGF
- + 1340 CP -NS Sussex - DELETE
- + CP -AB Brooks, 1000/250 U1 ; // CJDV-910-Drumheller
- + 1380 WDAT-FL CP to add 1000 DA-N operations.
- + CP -NC New Bern, 28560; 5000 D1; 4605 Country Club Rd.
- + 1400 CBXN-BC Natal is here ex-1490 (JO)
- + 1490 CBXN-BC DELETE
- + CJCR-AB Coleman CP is on. This is correct call. // CJOC except 2 hrs of live pgms, probably ethnic. (JO)

## call applications

950 KATN-ID req. KERJ

and more changes...

- + 1380 WAWZ-NJ Is still around. Sked: 0630-0900 & 1800-1930; Sun: 0630-0900 & 1100-1230, 1500-1630 & 1900-2030 still w/ relig. (ERC)  
\*\* Sri - outta place -RJE
- + 1470 WSAN-PA Is now AN SMs also. (ERC)

## sunrise & daytime

- 810 WJPW-MI Hrd 11/5 w/MoR 1430-1450 w/ WGY (JF)
- 1360 WWOW-OH Hrd w/ c&w 11/5 1500-30 w/ WKYC (JF)

NOTICE →  
RE' T.A. LOG

Henceforth, all TA LOG orders must be for \$4.00. This is due to problems in xeroxing by previous method. We've now been forced to resort to commercial photocopying, which has necessitated increased costs, and must, unfortunately bring about passing on that increase. Had we known at the outset that we'd have had demand for the currently 55+ copies ordered, we'd have gone offset for slightly less than the \$4.00 price. We ask your indulgence-RJE

## sunset &amp; evening

- 540 WARO-PA Fair 11/5 1650 w/pop & rr to 1659 s/off atop freq. (Richard Frocho, D.C.)
- WRIC-VA Fair 1700-15 s/off after WARO w/ c&w 11/5 (RF)
- 560 WQAM-FL Vy loud u/WFLL after rewiring loop 11/3 2110 (Dave Schmidt, Wilmington, DE) \*\* Amazing what an aurora will do, hi -RJE
- 610 WIOD-FL W/ WIP nulled nicely this one atop w/ tele-talk 2112 11/3 (DS)
- 680 WMPS-TN Caught just b4 patt chg w/ID, rr in well in WMAQ null. Local ad, wx, nx then cut 1924-30 10/26 EDT (Ken Onyschuk, Blue Island, Ill.)
- \*\*\* Which reminds us -- this section is in EST. All items b4 time change will be noted as EDT as in above item - RJE
- 790 WMC -TN Noted 11/8 1746-57 w/pop mx, freq. mtns of call, good SID 1753 for tape, first time here (Bill Feidt, Laurel, Md)
- WTUG-AL Hrd 11/8 1744 w/ s/off, no anthem (WBF)
- KOSY-AR Noted briefly 11/6 1800 w/ID, Cuban then proceeded to kill it.
- WLBE-FL Hrd 11/2 1726-9 w/ stock rpt. for 1st Nat'l Bank of Eustis, FM promo, the gone in pwr/patt switch. (WBF)
- WFUN-FL 11/2 1727 beh. WLBE w/rr, call & phone #. (WBF)
- 800 WSHO-LA Vy strong 11/6 1756-58 w/c&w. Good tape of s/off annot (WBF)
- 860 WXAP-GA Tremendous level 11/8 1725-31 w/ NN & sedate s/off 1730 w/ no anthem. (WBF)
- WLBG-SC Hrd s/off SSB 11/5 1730 u/CJBC (RF)
- KOSE-AR Hrd 1759 11/1 fair w/s/off o/uWDMG, others. Had FM promo. Not quite good enuf for tape (WBF)
- 910 WJCV-TN Hrd ID 10/15 1900 EDT then faded rapidly (JF)
- 920 WOKY-WI Sneaked thru WBAA w/ local nx. Some flutter w/SS sig. 10/18 1855 EDT (KO)
- KARN-AR Caught local wx alone w/ minor WLS QRM then MoR 10/23 2005 EDT.
- WMEL-FL Caught ID 10/20 1843 EDT (Leo Alster, Rahway, N.J.)
- 950 WGTG-GA Hrd 11/1 1730 not too strong, but QRM w/ s/off and ment of ownership (WBF)
- WAGG-TN Hrd 11/1 1737-43 good w/ MoR w/ "Moon River" theme to s/off. Used "America The Beautiful" (WBF)
- 990 WVSC-PA Hrd 10/17 1735-45 EDT w/ talk on enviorment to s/off (LA)
- 1000 WHWB-VT Hrd 10/17 1715 EDT s/off (LA)
- 1050 KSIS-MO Hrd 11/1 good sig 1800 s/off (Don Eggert, Crown Point, In)
- 1060 WALD-SC Hrd 11/6 1713-14 w/ s/off after WBYB faded, much QRM including omnipresent KYW. (WBF)
- WBYB-NC Good level 11/6 1709 w/ spots for local firms, ID 1713, then faded to QRM (WBF)
- 1070 KNX-CA Nx L&C then ID, local nx w/ no WTSO or WIBC 10/25 2254 EDT (KO)
- 1130 WISN-WI Hrd w/ nx 10/15 1630 w/ WNEW, WCAR (JF) EDT-
- 1190 WSML-NC Hrd 10/15 w/ c&w fair w/ WOWO nulled 1700-20, good for 250 w. WLIB noted too but no problem. (JF) \*\* WSML is 500 watts, -RJE
- 1220 KVSA-AR Hrd 11/2 1748-59 w/nx, ID 1750 into local nx, s/off 1759 w/SSB no WGAR & Cuban nulled (WBF)
- WKTZ-FL 11/3 1728-30 w/ promo for TV-17 in J'ville & ID for AM in Arlington & FM in J'ville & into s/off (WBF)
- WCLB-GA Hrd 11/3 1732-44 w/rr, ID 1732. (WBF)
- 1280 WIVY-FL 11/7 1705-31 alone w/rr. S/off 1731 w/out anthem (WBF)
- 1290 WNEF-NY Hrd ID 10/16 1855 EDT weak w. CJBK (JF)
- WEYE-NC 11/3 1715 s/off apparently w/out anthem, much QRM incl. WFBG, WFIG. (WBF)
- WELW-OH Hrd 10/22 1705 w/WRIE w/ MoR (JF) EDT.
- WHBL-WI ID 1905 EDT 10/16 vy garbled w/WRIE, WTRX, WHOT (JF)
- 1350 WSMB-LA Hrd 10/31 in-out all eve in auroral cx (DE)
- 1420 KJCK-KS 11/1 Good sig o/semi-local WIMS w/ "Big K" ID 1812 (DE)
- 1470 WBTX-VA On RS 11/5 1625 o/u freq, w/ easy-listening mx. ABC nx, wx 1630 then more mx (RF)

- 1500 KJMR-AR 11/1 on after 1815 s/off as per maps, hrd to 1830 w/ spots for No. Little Rock w/ no KSTP, etc. (DE) \*\*\* Maps are not absolutely accurate for borderline stns. -RJE
- 1550 WRIZ-FL Hrd 11/6 w/ SS nx 1800, sx 1815, ads for Occidental Electric and TCs thru to 1830 s/off in SS, EE. Exc. sig. Hrd again 11/7 in aurora. (Tom Sundstrom, Willingboro, N.J.)
- WMOO-AL Hrd 11/7 w/ MBS sx ending 1835 after WRIZ s/off, then c&w to wx 1843, then s/off SSB. Much QRM (TRS)
- 1570 WOKC-FL Caught s/off 1830 w/o SSB and an FM promo for WLMC-103.1 (TRS) \*\* Nice - I looked for this many times last season as it's my last needed FL on 1570, and one of last 3 in SE U.S. -RJE
- WSWV-VA 11/5 1725-28 w/ rlig message to 1727 s/off SSB (WBF)
- WTRB-TN Numerous mentions of Lauderdale county in ER 1733 11/8, finally an ID 1745 then SSB (Bruce Winkelman, Kans, Cy Kans.)
- WONA-MS W/nx 1752 11/8 in mess, ID 1755 in what sounded like a stn promo (BW)
- WHII-MS ID surfaced 1759 11/8 after WONA f/out. Did I miss a new CP? (BW) \*\* Yup, but you got the call right - is in Bay Springs, Ms, on since mid-last season. -RJE
- KOLS-OK ID 1809 11/8 in nx, s/off SSB 1813 atop freq. (BW)
- KLLA-LA W/nx 1811 11/8, ID 1814 u/KOLS SSB then s/off SSB 1815 (BW)
- KLOV-CO Nx 1819 w/ numerous mtns of Loveland in ads 1820. ID 1823 at good level. (BW)
- WOKC-FL S/off just managed to make it above channel 1729 11/1 (JP)
- WTQX-AL Nice strength @ s/off w/ wierd DJ who counted down seconds until he'd have to leave the air 1745 11/1 (JP) \*\* Last season they had a few very impressive-sounding s/off jx -RJE
- WTWB-FL Though test didn't make it here, did get on SSS 11/5 1730, qui te clr. (JP) \*\* Whoops, JP is Jim Poterba, Yardley, Pa.
- 1580 KLTR-OK Was doing quite well here 10/29 & several dates afterward w/ many spots for Ponca Cy. S/off 10/29 was 1900 w/SSB. (JP)
- WCCF-FL Has been running 1/2 hr later than should be in Nov. Hrd s/off 1800 most eves. (JP) \*\* Hmm - RJE
- WANB-PA Hrd 10/26 1821 w/ spot for FB w/ CBJ (JF) EDT
- WCCR-IL Hrd briefly thru mess 1906 EDT 10/25 (JF)
- WJVA-IN 1830-50 10/25 EDT fair w/ ID 1830 (JF)

\*\*\*\* I just discovered some more SSS stuff. All the following from George Sherman, Rosemount, Mn. :

- 860 KPAN-TX S/off w/ promo for 106.3 FM fair o/KONO 2015 10/24 EDT
- 900 KALT-TX Fair in mess 1945 10/24 EDT
- KCLW-TX Just barely o/QRM w/ s/off 2000 EDT 10/24
- KFLP-TX S/off SSB fair w/ XEW 2014 10/24 EDT
- 940 KTON-TX S-9 o/QRM w/ SID "KTON Great Country Radio" 1955 EDT 10/23
- KBRE-UT Tentative. 2100 SSB choral w/femme voice dominant in mess w/ XEQ, KIXZ etc. Loop agreeable, all should've been off by 2000 and only stuff left this time two Or. stns besides KBRE, so since they should s/off later, guess I'll count it.
- 990 KRSL-KS Good o/WPBC-980 w/ CEW nulled. Off 1959 EDT 10/27.
- KRKS-CO Wildlife PSA o/WPBC w/ CEW nulled 2001 10/27
- 1060 KAMA-TX S-9 w/ possible s/off in SS after inst. non-stop mx 2030 w/ KYW, WNOE.

\*\*\* OK. Next comes the midnite-to-sunrise group, and I've got well over 100 items there to add to the 65+ SSS items. This'll be some sort of a record sized DD'D even though over a 2-week span. Never had a 2-week thing like this either. Auroral cx are at least good for the domestic DX'ers, hi.



## midnight to sunrise

540 WDMV-MD Short s/on no SSB into rr 0715 EDT 10/28 fair until pests  
CBF,KNOE f/in. (GBS)  
GBT -NF Fair w/ wx,mx 0432 EDT 10/9 o/unid QRM (GBS)

560 WIND-IL O/u freq 10/30 0047+ w/talk (RF)

570 WAAX-AL ID 11/4 0102 clr for listed 500w & patt. listed. S/off in log  
must be wrong, musta missed an updater again (EW) Va.)

+ WUNC-NC Is now AN, noted 10/25 0200 EDT w/ c&w (Alan Merriman, Fairfax)

610 WDAF-NC O/u freq 10/30 0104+ w/ ABC nx, sx, wx. (RF)

620 WSUN-FL Atop 11/2 0203 w/nx. Had to notch out WMAL slop. (RF)

690 WAPE-FL Noted atop Cuban w/rr 0138 10/30. Musta been AxR test. (DS)

WZAP-VA S/on +20/s9 o/all 0729 EDT 10/28 (GBS)

710 CHYR-ON Local & area wx s9 w/WHB nulled & soon lost to WDSM 0855 10/27  
EDT (GBS)

730 WPIT-PA +20/s9 way o all QRM 0731 10/28 EDT had just gone to full pwr.

\* 740 WKIS-FL Noted most of AM 10/30 w/MoR, AN?? Still on 0325 (DS)

KTRH-TX W/tele-talk pgm & ER as late as 0410. Even good after YVNC  
s/on 0400 & still mostly o/KRMG. (Wes Boyd, Youngstown, Ohio)

KCBS-CA Good in SS null. C&W u/it has to be KCMC 0220-35+ 10/30 (Boyd)

KRMG-OK 10/29 w/ mx, group tour promo & wx fest 0145, good sig. (TRS)  
\*\* Tom neglected to indicate whether or not this was EDT. I  
would assume that it was, knowing his aversion to staying up  
late, hi - RJE --- Then again mebbe a remote tape....

CBNM-NF W/marine wx 0430-33, into "Mx for a Sunday Morning" o/WKIS  
poor at first w/some fad ing but got better toward 0500. Gave  
TC 0445 in EST\*90. (TRS) \*\* This in EST, hi -RJE

WKIS-FL "Orlando's New Leader" again 11/6 w/MoR as late as 0309. (DS)

790 WQXI-GA Nicely atop 11/1 0256 w/TC. WAEB/WTAR off (JP)

850 WIVK-TN C&w 20/s9 w/stronger KOA nulled 0755 EDT 10/27.(GBS)

CJJC-BC Good w/ c&w o/QRM,QRN 0415 EDT 10/9 w/KOA off. Glad they haven't  
moved to 800 yet or I'd never hear 'em. (GBS)

860 WHDH-MA Fair in CKVL null & KOA OC 0235-44+ 10/30 (Boyd)

WAMO-PA ET'ing 11/6 w/ AXR. C&w, rr, few IDs 0215-0242 (JP)

WHRT-AL S/on 20/s9 o/unIDs w/CJBC nulled 0746 EDT 10/28 (GBS)

WLBG-SC Fair w/QRM in mess 0640 10/30 (GBS)

WOAY-WV S/on 20/s9 w/CJBC mostly nulled 0730 EDT 10/28 (GBS)

KONO-TX A surprise all alone atop freq. 11/6 0410+ w/rr. S7-8 (RF)

890 WLS -IL Was off M 10/23 (ERC)

910 WNCG-SC Great surprise here, dominating channel w/s/on, morning devo-  
tion, then into nx by Tidewater Sand & Stone Co. 11/4 0601-6(JP)

WRNL-VA Atop w/rr all AM w/ WBSA o/u unID MoR. (Boyd)

xx 940 KIOA-IA 10/30 0117 w/ horoscopes on-air. Locally-produced, I think, but  
good. First time I've ever hrd this kind of thing .. (Geoff  
Fox, WBT, Charlotte)

910 WAVL-PA OC 0650 11/5, in RS religion 0705. Suh s/on 0700 (Boyd)

920 WOKY-WI OC-ET w/ 5kw per anct 0450 11/6 (Boyd)

WMEL-FL O/u freq. 11/1 0016-35 w/rr, freq. IDs, 0030 nx, wx. (RF) \*\*  
As per prev. DDXD & updaters, WMEG is now WMEL and WMEL is  
now WBIX on 610, Richard - RJE

KARN-AR (Reported as KARK - old call) o/u channel 11/1 0022-30 w/rr,  
frequent local promos. (RF) \*\* Let's be careful here... RJE

WNRG-VA Fair w/ QRM w/ s/on 0630 10/30. (GBS)

WIDG-MI Super sigs & alone 0600 s/on-0615+ 11/5 (Boyd)

WESA-PA On ET w/rr & MoR 11/7 0415-0430+ (Boyd)

\* 960 WFIR-VA Off Sun AM's? Off 0113 11/5 and again M 11/6. (Boyd)

WERC-AL Super sig. w/WFIR off 11/6. M s/off 0058 w/SSB. (Boyd)

WIST-OH Noted OC 0655 11/5 so guess 0700 s/on. In RS by 0710 (Boyd)

WSDM-IL S/on good o/QRM ment. owned by Moody Bible Inst. 0602 10/8 EDT

970 WREO-OH On 0340+ 11/6 w/ER (Boyd)

WAVE-KY Good atop 11/7 0129 w/ easy-listening-nx, no usual WJSW (RF)

1010 KDJW-TX 10/s9 w/ c&w way o/QRM 0720 10/29, still unhrd on SSS (GBS)

\* 1050 WHN -NY Seems more off than on MMs. When off returns app. 0400 (ERC)

\* 1100 WKYC-OH Noted in talk pgms to 0230 MMs now. (Boyd)

1110 KFAB-NE 10/25 0130 w/AM-FM ID. Should be running a null in this direc-  
tion, but XR engineers here don't seem surprised,so... (3F)

\* WBT -NC Noted off M 11/6 0135 (DS)

\*+ 1140 WKCM-KY Noted w/ET-TT/M 10/25 0101-30 t/out. Verie sez RS 1st wk Nov.  
Address: Box 1110, 42348, mentions f/c, but no specifics (AM)

\* 1150 WGEA-AL Ending f/c 10/25 0145 w/DT. (AM) (Boyd)

WTYC-SC 0600-02 SSB s/on, fast fade, though WKPA not on at this time  
unID S/off 11/5, 11/7 0103-05 w/SSB, call WD?? (phone equiv.) nulls  
SE/NW. If WDX, log change in order (Boyd)

KSEN-IT Nx 20/s9 0105 EDT 10/27. Had thought this un-DXable due to AN'  
ers CKX,CKOC,CJRC,WGOW... no QRM hrd tho'. (GBS)

WIMA-OH Fair w/ CKOC-TVI 0130 9/30 & again 0125 10/31 w/QRM (GBS)

unIDs Inst. SSB 0130 9/30 in mess. DF to E not KWKY,KCAL. WDEL?? Also  
1kHz TT 0125 10/31 anybody ID?? (GBS) \*\* In future will not run  
items over 1 month old, nor unids such as second one above w/o  
more info - RJE

1230 unID FFC running AN MMs often atop. Morss sez two here, louder being  
CHVD Dolbeau. Haven't hrd two here yet tho'. (ERC)

\* WBVP-PA OC 0635 11/5, dunno s/on, but maybe 0700. (Boyd)

1240 WHIZ-OH Sun s/on 0645 good w/WBBW on 0700 11/5 (Boyd)

WROV-VA Dominating channel while trying for WSJM DX w/rr, few spots or  
IDs 0103-10/30 (JP)

x 1270 unID Two AN'ers w/ MoR, so seemingly neither is WXYZ or KFJZ (ERC)

1250 WTMA-SC In WTAE SP 11/5 killing CHWO-WEMP (Boyd)

1260 WEZE-MA O/WDC 0400 11/7. WIXY-WFBM u/both. By 0415 latter two atop  
WDC as usual. Wierd. (Boyd)

1270 WTSN-NH Good o/WXYZ w/ER, many mentions of Rochester. 11/8 (Boyd)

WEIC-IL 11/6 0355-0405 ET w/rr & TT o/KFJZ (WBF)

1290 WHIO-OH Noted atop 0230 10/30 (ERC)

WHGR-MI On TEST for IRCA w/ long pds of TT, occasional variances. Hrd  
only 1 ID @ 0000 thru 0014 t/out 11/7 (JP)

+ 1300 WRKT-FL W/rr, spots 0331-38 w/ several u/him. Called, DJ sez is MSP.  
By 0348 only WFBM-WMAK there 11/6 (Boyd)

WOLG-WV Fair o/WFBM u/WERE 0700 s/on SSB-Lord's Prayer w/ WJCH off(Boyd)

WFBR-MD Fair w/SID & rr 0402 EDT 10/16 o/weakest-ever JJME (GBS)

WSYD-NC Fair s/on o/QRM, no SSB 0501 EDT 10/16 (GBS)

1310 KNOX-ND TT 0115 11/16, dunno if start or on already at t/in. ID 0118  
"for testing purposes". (BW)

WQAM-NJ Noted off again 11/5 0245+. A new Sun SP?? (off 10/22 also)(TRS)

+ KOKX-IA Now s/on 0700(0800Su) w "This is the 1310 spot on your radio  
dial beginning another day of broadcasting..." and usually  
covered by KRBI s/on bl they ID. (GBS)

WNIC-MI Seems to run talk-interview shows M to 0200 (Boyd)

KFSB-NC OC-TT 0205-0243+ o/CFCM-CKOY-WIFE-WNIC-WQAM. (Boyd)

1320 WVOJ-FL U/o freq. 11/6 0300 w/nx, then c&w (RF)

+ 1330 WEVD-NY No longer on to 0300. Off ard. 0100 now. Oh joy, oh ecstacy(ERC)

+ 1340 WSTV-OH OC 0713 but in RS 0718 11/5, so s/on 0715 SM (Boyd)

KROS-IA S/off barely o/mess 0102 EDT 10/17 (GBS)

1350 unID S/off w/vocal "Amer. The Beautiful" 0103 EDT 10/10, not KRNT  
and doubt WXL, WIOU, WSLR, WSMB, CKLB. Help?? (GBS) \*\* Maybe WLCY,  
one of the Michiganers, WAKO or WBBX. I've no log here to check  
out times-RJE

KBRX-NE 11/6 TEST not hrd due to WSLR/ (TRS)

WSMB-LA Atop freq. 11/6 0303 w/nx,wx then easy-listening mx 0305 (RF)

\*\*\*1368.7A\*\*\*

WQOA-FL Noted here 0030 11/5 causing bad het w/1370. (AM) \*\* I should  
know better than to question you, but that's almost the exact  
regular msd. freq. of the Cuban there.... (RJE)

- 1380 WBNX-NY Is threatening to go AN-Gospel. On MM's 10/2,16, off 10/9,23,30 also SM 10/29. Only dates checked. (ERC) \*\* On several MM's in Sept. -RJE
- KFCB-SD Fair in mess w/ s/on SSB 0602 10/29 (GBS)
- 1390 WFMJ-OH LkH TT w/ID 20/s9 o/WFEL & unID 0216 10/27 EDT. On day patt?? No sign of semi-locals in strange cx. (GBS)
- WEOK-NY On ET w/rr 0118-30+ 11/6 (Boyd)
- WNUS-IL Atop freq. 11/6 0245+ w/nx,wx, easy-listening-mx, very littel QRM (RF)
- 1400 KBIZ-IA ET-TT 10/28 0123-28 t/out EDT. (DE)
- 1410 KQV- PA Noted absent from freq. 0130 11/6, leaving WING w/ loud wall-to-wall format u/them. (DS) \*\* WPOP or WUNI maybe -RJE (Boyd)
- WUNI-AL W/ AN C&W w/ femme DJ good o/WING,KQV,WPOP,CKSL, 0305-40+ 11/7.
- + 1410 KAHL-NE Strong MoR o/KTOE splash 0130 9/28. Now s/off 0200. (GBS)
- 1410 WBEV-WI Good o/mess 0200 10/29 w/ s/on. (GBS)
- 1410 WRBE-MS ET fair u/local QRS 0150 10/16 EDT (GBS)
- WROX-IL On w/ER 0255-0300+ o/u mess 11/8 (Boyd)
- WHHY-AL AN w/rr o/u WCHB-CFQO-WBCM etc. 0115-0125+ 11/1 (Boyd)
- WBLA-NC Hrd 11/6 0700 briefly w/ s/on @ good level (WBF)
- \* 1460 WPNX-AL Seems old AN MM c&w fink here is back 0208-20 u/WBNS (Boyd)
- \*\* Or is this just another in a series of quasi-regular ET's-RJE
- \*\*1450 WBNY-MI Hrd 11/6 0031-0050 w/ LkH TT, code ID every 3 mins. One voice ID at end: a new f/c ??? (Boyd)
- 1460 WMBR-FL Good atop freq. 11/2 0127 w/ pop rr (RF)
- WDYX-GA "Dixie Radio" good w/ s/on 0604 10/9 ment. NE GA & should be a good bet next DST due to later WKAM s/on. (GBS)
- 1470 WBIG-NC U/o freq. 11/7 0200 w/SSB s/off (RF)
- CHOW-ON Atop 10/31 0053 w/ pop mx, strong for 500 watts. (RF)
- \* 1480 WISM-WI RS rr 11/6 0425-35+, another NSP'er ??? (Boyd)
- WHBC-OH Back to MoR-easylistening mx AN, hrd 11/7. Was R&B a few days ago. (Boyd) W/ER most of AM 11/8. Has easy-listening mx even w/ this at times. Not WHOM,WRDW,MLEE. (Boyd) \*\* CHRDP??-RJE
- 1490 WSSB-NC Atop mess 11/6 0239 w/rr then back into oblivion 0244 (RF)
- 1520 WSLT-NJ S/on instr. SSB, fr/ o/u QRM 0601 10/30 & "DoIn' Our Thing" jx, so maybe rr (\*\* Yes-RJE). Possibly best bet for NJ & should be possible next Spring. Reception ruined 0605 by KOMA AXR ET. (GBS) \*\* Is KOMA usually off that hour?? and what about super-pest WKBW & the SS'ers ?? -RJE
- 1550 unID Instr. SSB s/off hrd. occasionally u/ poor CBE during DST 0105. WCTW,WCVL or WBSB?? (GBS) \*\* Don't believe either of the latter two, but not completely sure -RJE
- KGMO-MO Long wanted here, fianlly hrd 11/6 0225 w/ET TT ID 0229. (JP)
- unID PoP noted 0147-0215+ 11/6, no ID's hrd thru WOKJ.(DS). \*\*Maybe the above, Dave - RJE
- + 1560 WDXR-KY Now 0600-0200(0100) . Last I noticed, they had same jx as XEVP so be careful. (GBS)
- 1570 CKLM-PQ Noted off (OC and all) 0120 11/6 leaving XERF,CHLO. OC back by 0330. (DS)
- WTWB-FL 10/30 TEST vy wk 0025 ID way u/unloopable CHLO. Only ID hrd (DE) Hrd TEST 0057-0105 t/out. Good sig, in/out w/ XERF & rr (CFOR?) (\*\* or CHLO -RJE)). Nice ID plugs for NRC,IRCA 0100, ment. calls from as far as Chicago. (GF)
- \*1580 KLOU-LA Once again hrd s/off 0158 11/6. Off NSP?? (DS) s/off anct. 0158 10/30 to return 0455. (DS)
- KDAY-CA Weak fady sig. 10/30 first noted 0247 w/ sx,wx, top-40 LP cuts, vy little talk. ID'ed 0300, right into mx again until unID OC buried them 0320. (DS)
- WJVA-IN Evidently not on on 10/28 test. (DE)
- 1600 WAPX-AL U/WRL in null w/ R&B as usual 11/8 AM (Boyd)

THUS ENDETH THE LARGEST DDxD IN HISTORY. PEACE, 73, & CUN7 RJE

RONALD J. MUSCO - 16 Chestnut Drive - Windsor, Connecticut - 06095

Greetings from this lazy DXer. DX during October: WFTN-1240 not heard here! A weak TT was heard, but no IDs. WBAX is the dominant one here w/WGBB never heard. The WEMJ TEST was in back in July. Oh well. 10/6- WAMY-1580 TEST in L&C 4:30-5, then f/c. 10/8- Still another SM. WIRD-920 6:30-7am way u/WJAR for N.Y. #75. Also WAEB-790 that night 7:21-6:25pm u/WEAN for Pa. #56. 10/9- 950 a myriad of new ones: WLOF 3:10-3:25am with spots & Top 40 weak @ S-3. KIMN noted with talk show & s/off 3:40-4 w/5am MLT s/on mentioned. Then the strong one WBBF w/N.Y. NX @ 3:40-3:50am. All three seperable with the loop. 10/14, a nil morning w/WABC off, KRMG-740 w/ET 1:34am unn, WDR-1586 in L&C @ 12:48am, TT on 1470 12:43am & a TTer on 1450 w/a Johnny Cash album @ 12:35. 10/16- WHLM-550 in with day pattern only 1:59-2:19 way o/WGR, unn, but log for verie taken. 10/22- Another nil AM with nothing but WCRB-1330 Eting 1:30-1:35am and probably later. WSBS-860 on 1:14 as was WCVR-1320 12:22am & WOKO-1470 @ 2:25. WABC WGY WLS off after 1. 10/29- SM again. WYTI-1570 s/on 6:02 w/SSB. This one has been heard the past three SMS but too weak for a report. CKLM is too much! 1560 finally produced WTPS Mich. #15 w/6:04 s/on-SSB & lengthy announcement. Mucho RM from an Ohioan, WTNS sounded like the call but not sure.

RONALD F. SCHATZ - Box 2814 - AMF - Miami, Florida - 33159

(What's the "AMF" stand for, Ron? -ERC) Greetings from the land of lovable bartenders! Well, I managed to get in a little DX, as I was home sick for MM 10/30, & I was around for the geomagnetic storm of 11/1. (I hope you wore your rubbers! -ERC) Two items didn't get mentioned in IDXD; PJF7-1435, R. Saba, has been noted nightly with accented EE for the past few weeks (as of this Musing way on top of undermodulated PJA5, R. Kelkboom. Surely this station will add the heat of plasma to the "DX Country" debate, but mark my stand: Saba and St. Maarten are parts of a SINGLE DX country: Netherlands West Indies. If you already have PJC2-1295, then PJF7-1435 will NOT give you a new country for your totals. So much for that. The other item is a relatively strong TA without audio noted 11/2 just past midnight on 1502k. This was an Auroral AM with no TAS N of 300N. giving even a trace, and the reception was too early for Senegal. GPN to the rescue? Proably Poland on sporadic E, hi. Otherwise, frequency measurements have been halted temporarily as I wait for time to repair my signal generator. At least my RX is an improvement; I just bought a Collins R-388/URR (military nomenclature for the R-51J3) from a Ft. Lauderdale surplus shop. Except for minor corrosion it is in perfect working condition, regardless of its being 20 years old. The \$300 I paid for it did not include the manual, & I'd be grateful to anyone out there who would provide one for me. I would also like to know the price of the R-388 NEW (1950s) and the average going price today - please. For those unfamiliar with this receiver, this is the one that covers .6 - 30.5m with 30 bands on a drum dial, and the tuning is linear. So it seems I can't make it to Dover, N.J. as the job won't permit me, but I plan to call if ever I find the chance. Don't forget my surprise announcement. 73.

TOM McCORMACK - 508 North Washington St. - Bloomington, Ind. - 47401

Note the new address & all correspondence, SCerd, CMers etc. are welcome to drop a line any time. Renewal time was overdue for me caused by a shortage of extra \$\$\$ & spending too much time at the dials! Here are the new loggings: SRS in Oct.: WGSN-740 N.Y. WTOP-900 (u/WEAS-pest) WVOH-920 u/WPTL as the "Voice if Hazelhurst", then long-sought WMNI Columbus finally made it in followed by most-wanted WMOK Ill. KSDN-930 S.D. (the SRS skip to the W as been the best I've ever heard!), WRCS-970 N.C., WAAA-980 N.C., WKOR-980 Miss.

(pleasant surprise), WMCL-1060 Ill. (rare here unlike WRHL). WNES-1050 Ky., KWIV-1050 Douglas, Wyo. through nicely with their 250w for my best SRS logging to date (I was shocked when he IDEal!), KKUZ-1150 Ia., WLOC-1150 Ky., WAIN-1270 (all these were logged between 4:55 & 7:30am, CDT), KDMS-1290 Ark., KRLW-1320 Ark., WNGO-1320 Ky. (WCLU QRM) KOLT-1320 Neb. a goodie, they're located nearly in Wyoming! WKIN-1320 Tenn., WLGM-1320 Va., WRAM-1330 Ill. (finally - completes Ill. for me on 1330), KROS-1340 Ia., WEIF-1370 Va. (long-sought - heard on a SM as my local doesn't s/on till 6 then) WWOG-1400 Va., WRCK-1410 Ala., WKLY-980 Ga., WRIS-1410 Va., WLNA-1420 N.Y. (500d, nice one), WATP-1430 u/WRCD SRS pest (no WIRE/CKFH!), WBUC-1460 W. Va., WYDK-1480 N.C., WHBB-1490 Ala., WBEX/WOHI-1490, WOMI-1490 (finally heard) WJJM-1490 Tenn., WLUV-1520 Ill. WKJR-1520 Mich., WSLT-1520 N.J. (L&C strangeity on late SRS - total light here! in for 20 solid minutes, WGRK-1550 Ky., 1570- WYHI Fla., WOKC Fla., WKKS Ky., WTLK N.C., WOBL O. (directional N w/250w), WJES S.C. (strong s/on 250w w/Dixie) WYTI Va., WCCF-1580 Fla., WEHH-1590 N.Y. (their s/on just barely beat out the pesty Ky./Tenn.'s WMCW-1600 Ill. (long-sought) WLNG-1600 N.Y. s/on u/WWRL for a real gem as 500w (I thought NYC owned 1600, hi ERC!). MM & AM DX: WGR-550 WMEY-1150 ET NEW from Minneapolis (methinks it's the new Fairfield rocker soon to touch down there), any info? WCWA-1230, WSOX-1230 (completes the Savannah area except for little WBYG-1450), WBBK-1260 f/c-DT through Woof-boom WMCP-1280 f/c-TT, WMOR-1330 f/c-TT (female Ider) WPAS-1400 CFGO-1440 rocking now, WAXC-1460 "Waxey", WNMT-1520 ET, KBUY-1540 SSS, WRIZ-1550 ET. SSS: KVLG-1570 250w s/off, KBNY-1280 plus others. V/1-WVAK-1560 WBIW-1340 WTTS-1370 WCWC-1230 & KBOL-1490 (from old report I presented to them while on vacation). Back in '67-'68 they used to be in even w/KBON Omaha, now KLVG. v/q- WWVA-1170. Best of DX.

KEN ONYSCHUK - 12934 Pabe CT #2 - Blue Island, Illinois - 60506

Hello again to all 600-plus members out there in RX-land. The sparse Musings report in #3 enlightened in me a sincere urge to do some informing. I appreciate what was printed in the Midwest. I picked up a fair signal u/WWCA-1270 just after 11am 11/4. They had pleasant MoR trying to stick through SS jabber in hardly a null at all, possibly WHBF via CBS sports w/Wynn Elliott @ :25. Last night 11/3, I had some rough luck DX in my car on my way to the wrestling matches in Chitown. Around 8, only KMOX-1120 would pull through between 1000 & 1160, w/Bob Burns teletalk sports show. My dependable sports report station KYW-1060 was barely heard. I had to go to WJOB-1230 in Hammond to get something clear, then 1270. After the matches, trying to get nice light mx on dependable WCCO, only WHAS-840 was good, WBAP weak. WFL-870 clear w/v/w. Is it the weather or just poor CX causing this signal wipeout? I couldn't even pull in WJR-760, a "closey" last night. I got home from the doctor's this afternoon to find my copy of #3 dying to be read. Just the other night (I think 11/2) just after 12, I got a fair signal out of 1400 on an SW/NE course. Usually I get a fair WSJM in daylight, but never at night. It kind of surprised me to get any clear enough on it (1400). Sorry, I couldn't pick a solid ID on it. I'm kind of disappointed. I'm trying to pick a spot & time for our vacation next year. My wife gets two weeks, me, one. What's the NRC Convention sked for around May? A second honeymoon spiced w/an NRC deal is not exactly my wife's idea of it, but I've entertained thoughts of it. Well, I have to close for this week. I hope to read of 100 Musings in the next issue (How big, ERC? What's the Musings record? CUN7. (I think, 18 pages -ERC)

(Correction; the record is 20 pages - this week... BPC)

DON EGGERT - 1719 West Valencia Drive 89 - Crown Point, Ind. 46307<sup>31</sup>  
11/1. Greetings. DX is starting to pick up here particularly on SSS so I'll get right to it. 10/28- KBIZ-1240 @ 1:23am ELT w/TT to about 1:28 tuneout, WTTS-1370 @ 1am s/off good o/WSPD. MM 10/30- KRDS-1190 @ 12:16am briefly w/WOWO off, WTWB-1570 ever so poorly u/CHLO, all I could snag was one ID @ 12:25 for my first TEST of the season. I didn't try for WSJM-1400 later as they are a semi-local, also WJVA-1580 not heard the night before, & they are only 50 miles E of here, so probably not on. By the way Ernie & others, WJVA has dropped c/w in favor of Top 40, & their FM (WRBR) is AN progressive. Later on 10/30 KVGB-1590 dominating the channel at 7pm. 10/31- I noted some Auroral CX, several Tex-La-Miss. stations heard, but nothing new. First Aurora here in some time. I do note tonight (11/1) that CX are somewhat normal, though a notable absence of CBM-940. Heard tonight @ SSS were KBIS-1050 @ 6pm s/off, KJCK-1420 @ 6:12 IDing as "The Big K", & KGMR-1500 @ 6:20 & on giving spots for North Little Rock, but licensed to Jacksonville. I do believe that, if Ernie Wesolowski's SRS/SSS maps are correct, KGMR should s/off @ 6:15pm - right? Guess they forgot about the first of the month change. Total logged now at 725 from Crown Point. Indiana is once again divided into two time zones with NW part of the state (Gary, Hammond, Valparaiso, Michigan City area) & SW area (Evansville) on CST while the rest observes EST. South Bend is on EST also. Well, that's about all I know of any real news value. 73.

TOM WALSH - 53 Neponset Road - Quincy, Massachusetts - 02169

Hi yall. Here is what you have been waiting a year for; my annual Musing. All my listening is currently done on a Panasonic R-1241, which is the most phenomenal \$12 portable I've ever seen. Really, not much use for DXing, but yet I have heard the WC & CBW-990 on 10/8 @ 11pm. I am in great need of a receiver and expect to purchase one very soon, thereby becoming more than just an annual Muser. This is my first year out of school & now that I am working I finally can spend the time & get set up in earnest. Well, I have heard a little bit. 10/13- I caught WOWW-1380 Conn. @ 7pm & on 10/14 CFCF-600 @ 7:40pm very strong next to local WEET-590. On 10/15 after local WOKW-1410 s/off I heard WBZA-1410 N.Y. very well o/WPOP. Lastly on 10/30 I nailed down CHOK-1070 w/ER @ 11:15pm. That's it. I just wanted to say hello to everyone & wish you all luck this year.

SCOTT BROCKWAY - 112 North Crescent Drive - Rome, N. Y. - 13440

Well, Muse time again. CX are somewhat back to normal after Auroral CX the past two weeks or so, producing loads of SSeS over the band. One newbie I managed to ID was R. Clarin-860 w/SSS singing @ 11:55 EDT & many IDs @ midnight, so off is a report to Country #7. Other not so exotic catches: KSTP-1500 (I finally bagged this bugger) w/rr @ 1:15 EST, WFBC-1330 at last, another South Carolinian. Maybe this guy'll verify; sure as blazes WTMA-1250 hasn't seen fit to verify any of my multitude of reports) w/rr @ 2:20 (all times AM), WDV-1250 w/c/w @ 2:32, & WEMP-1250 at the same time but heard only very faintly. Veries in: WOWW-1380 w/a rate card & GE thanks, WKLO-1080 w/PP/c, WDLA-1270 WLIK-1270, both PP/c, & WOTT-1410 v/q. Bruce Hackworth - welcome to NRC! I'm in your S.U. system, but I go to Utica College of Syracuse University - Political Science and History double major, soph. Totals now up to 448/320, 41/40, 9/8, 7/6. C U N 7.

RICHARD E. WOOD - La. State U. - Baton Rouge, Louisiana - 70803

RFS' article on Portuguese was a useful presentation of the main facts. If I might add just a single important point, it is that the R of Brazilian Portuguese is frequently (though



32  
not always) sounded rather like the French uvular r, i.e. near the throat, not the tongue-tip; in fact, it sounds much more like English h than EE or SS r; thus Brazilian pp radio sounds like hahjidoo, a long way from the SS variant. Ernie, to your question on Bill Feidt's "hora seis" heard on RAI-1578, the Italian is correctly "ore sei", 6 o'clock. Bill's spelling was SS, but the form correct Italian; only Italian, not SS, inverts the noun/number order; a likewise Italian "metri 25", SS "25 metros", etc. It seems that my Drake SPR4 might have been one of those unfortunate "lemons" referred to by Fish (or Ghoti, as he now calls himself), pronunciation the same) in his review in DX NEWS 40/21. The kinks are now being ironed out; watch for a future report which may be more favorable than my last comments on the Drake. (Richard, my comments were only to suggest that since it was SS & not Italian he heard, that perhaps he didn't have Italy, but Spain or Portugal -ERC)

ERNEST J. WESOLOWSKI - 1416 Pasadena Avenue - Omaha, Nebraska - 68107

I thought I would write of my recent experiences in Mexico last month. My visit first to XEQK-1350 was the hardest without an interpreter; no EE spoken. Engineer couldn't read my SS prepared letter. Finally a secretary read it & she wrote in longhand, a verie, typewriter broken. A Kennedy Half did the trick. Then to XEW-900. They claimed to get 4,600 reports a year and do not answer them. I had to go back later to pick up the verie in SS. Then to XEX-730; new address: Morelos 16, 6° piso. I got past the security guard & to the Public Relations men; one speaks good EE. It took two hours to type a verie in SS. They want reports in EE. Then to XERP-660, XEMP-710, XEDF-970, XEB-1220, XESM-1470 & XERH-1500. New address for all: Rio de la Loza 300, 5° Piso. I again had to come back after 5pm to get veries by v/q, for XERP & XEB. Onward to XEOY-1000 & XEPH-590 together. V/q w/picture of announcer on back. In Monterrey XEFB-630 said they sent me two veries but I didn't receive them. Lost or stolen? Correct address is: 5 de Mayo Ote. 110. I didn't have the Ote. so I went to 110 West instead of 110 East. Engineer speaks good EE. Tests every five Tuesday AMs between 3 & 5am EST. Then to XEK-960 in Nuevo Laredo. I didn't have time to visit so I called. One man speaks EE but verie is in SS. Then to KITE-930 for my oldest outstanding report. Send reports to NxD, not the CE. Anyone wanting Mexican Air Mail return postage (I have 100 stamps) send an SASE to me with cash or American stamps. Ten cents each. I also have 25 Pesos (in paper) to sell for 8¢ each. Some stations didn't know how to use IRCs. Another tip - use metered stamp on envelopes. I saw boys 15 years old delivering mail; even without a uniform. Good luck in your Mexican reports & veries.

BILL COLEMAN Jr. - 324 Piedmont Avenue - Rocky Mount, N.C. - 27801  
Greetings, etc. Please note my new address (for a while anyway). Some veries: v/1- WEEQ for TT on 9/20, WTAR for RS 11/5, WSBS w/CM for TT on 11/26 (This typed on 11/9 -ERC) WHLM for TT on 11/30. WTTM v/c for TT on 11/20. I think somebody had the date wrong on the WJVA TEST, since I heard it on the 30th instead of the 29th, unless they did it for two days. WTWB TEST was heard on the 30th. I did not hear WSJM, too much QRM from WFTL. RX here is an SX-99. I'm still trying to make up my mind as to what kind of new RX I'll get. I've been looking at the HQ180, but I understand you can't buy them any more - does anybody know if this is true? WFNC N.C. switched on the 50kw XR, directional E, on 11/1. They reduce to 1kw night. I've put up a 150' longwire, about 65' high. I got my last TA, WDR-1586, Langenburg, W. Germany. Also I heard Munich-1602, but not good enough for a report. I've been hearing a UNID on 855 around 2a, w/special. I think it's RNE Spain. I will

33  
be experimenting with some Beverage antennas soon. I have plenty of room for it. UNID pirate heard on 10/30 w/s/off @ 12:40am w/anthem. The audio was distorted and I couldn't make out the call but I think it's WMRT, frequency 1615. I have also heard a WIBH, Philadelphia. I'm still trading WDX cards, also air checks, jingles, etc. Write.

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830  
10/26, SSS, looking for WSUF, but both WCRV & WRDI in @ 6:15. Looks like Octobriana will have to save Capt. Glotz - if there's room for all of her in an NRC page that is. 10/28- WTCS-1490 Fairmont, W.Va. @ 5:56½ s/on, then WFAD Middlebury, Vt. @ 5:58 for another taped report to 6:00½ when WHAV killed it. 10/29- WAHT-1510 in w/WMEX @ 5pm "Reaching out in the Lebanon Valley" but not enough - too much CJRS. 10/30- Arabic-818 strong @ 2am. WAPE-690 tops 2:30. CFDA-1380 & Plessisville-1420 both AN this AM. WBJW-1440 Winter Park, Fla. @ 3:10 u/WCHB, both WAAB & CFGO off! Deep-voiced announcer made copy tough. ZIZ-555 really bombing in for a report to "The Happy Sound." 10/31- Canadian AN on 1230, CKLD, in net with CFBR CKSM CKBL & CKAM if my deciphering of FF is anywhere near correct. 11/2- YVKS-750 R. Caracas reported - I caught 'em with a U.S. c/w tune & they continued with other U.S. mx, 9:09pm. 11/6- CKLM-1570 off @ 1:27 - WMLO Beverly Mass. testing & CHLO under plugging "The Stoned Ranger" comedy show - about an NRcer? CFDA-1380 off 1:35 & WMEE in - are they AN? WEZE-1260 off & WBNR, Beacon, N.Y. testing @ 2:10. WKBR-1250 Manchester N.H. AN this MM, ugh. WBT off. 1540 had occasional mx but no IDs, 3:15. CFDA back on 1380 @ 3:20. R. Calendario-1020 copied for a report @ 3:30 - tape sent. R. Miramar-1000 copied for report @ 3:45 & tape sent.

CHRIS LUCAS - 407 Elmwood Avenue - Ithaca, New York - 14850

I continue to DX in between studying, sleeping, & eating. Here is my DX: 10/17- WOL-1450 D.C. @ 1:30pm, WWSC-1450 N.Y. @ 2pm, WNAB-1450 Conn. @ 6:10pm, WKIP-1450 N.Y. @ 6:12pm, 10/18- WRNC-1240 N.C. @ 1:38am, WHAI-1240 Mass. @ 5:56pm. 10/19- WCRO-1230 Pa. @ 1:42am. 10/25- CFML-1170 Ont. very dominant @ 4:20pm FF, WKBA -1550 Va. @ 5:47pm, WCHE-1520 Ps. @ 5:51pm, WCBG-1590 Pa. @ 6, WEXT-1550 Conn. @ 6:14 s/off, WSER-1550 Md. @ 6:25pm, WVOB-1520 Md. @ 6:29 s/off. 10/26- WFBC-1330 S.C. in very well @ 1:46am, WNBH-1340 Mass. @ 2:30am, WEEL-1310 Va. @ 8:22pm on top, WGH-1310 Va. @ 9:50pm, WTWR -1380 Va. @ 11:47pm. 10/27- WMEE-1380 Ind. @ 1:48am, WAIR-1340 N.C. @ 2:06am. The following times are EST as DST ends. 10/29- WMLP-1380 Pa. @ 1:37pm, WGSa-1310 Pa. @ 4:49pm, WCGR-1580 Ill. @ 6:16 s/off. 10/30- WKAZ-950 W.Va. quite dominant @ 8:21pm, WSBA-910 @ 10:19pm. 10/31- WAEB-790 Pa. @ 1:45am. Total heard here now, 452. Total graveyarders is 60, with an average distance of 206 miles. By mistake I used EST in my last couple of Musings, so if times seemed wrong, that is why. I have spent a number of hours preparing an article dealing with radiation patterns at angles other than horizontal from the XR which I am sending to HQ today & which I hope will be appearing in these pages soon. I got a long (1½ page single-spaced) v/1 from WKIP-1450. Their day pattern has a shallow null toward Newburgh, because at the time WKIP increased to 1,000w, they also owned WGNY in Newburgh, & their signals were not allowed to overlap. A second null is toward Fairfield Co. in Connecticut; this null was not necessary, it just happened to lie there. Now WKIP no longer owns the Newburgh station, & WKIP wants to go U-1 like most graveyard stations. However, WNAB in Bridgeport is currently enjoying protection because of WKIP's second null, & WNAB has opposed WKIP's application for non-directional daytime operation. So WKIP is stuck with a directional pattern, with its forward lobe in a N direction. One peculiarity I have noticed in graveyard DXing is I

can't hear any in New York State N of the Mohawk Valley region nor can I hear any in the Northern New England states or Canada while all Mohawk Valley stations have been heard, along with a great number of Southern New England stations. Only exceptions are WWSO-1450 (which isn't very far North) and CJFF-1400 which runs high power. Can anyone explain? 73.

JIM HAYES - 9 Henry Street - Wilkes-Barre, Pennsylvania - 18702  
I haven't been around much in October to do much DXing, what with college and all. 10/1- 11:15pm CFRA-580 Ont. in good with "Fortune Phone". 10/2- 12:08am, MM. WHOM-1480 NYC testing. 12:41, WQBA-1140 Miami testing. 10/18- 6:31pm, WEEP-1080 Pittsburgh w/c/w. 10/22- 8:47pm, WCSC-1390 S.C. w/rr. 10:10, WERE-1300 Cleveland way o/WFBR w/CBS Reports. They must have changed their coverage pattern. 10/29- 5:29pm, WFLO-870 Va. strong w/rr. 11/5- Midnight, WSGA-1400 Ga. in strong w/rr. 5pm, WHAG-1410 Halfway, Md. 5:15, a real surprise in WRPL-1540 Charlotte N.C. strong on s/off. Shortly after, @ 5:16, WABQ-1540 Cleveland bagged on s/off.

ERNEST R. COOPER - 438 East 21 St. - Brooklyn, N.Y. 11226 -C.R. #56  
V/q in SS in from R. Rumbos-670, YVLL, from last December's reception, & a v/l from WNYR-680, Rochester, N.Y., on a f/up. And a PP/c from KAJN-1560. We seem to be in a rut here, DX-ing only on MMs lately, so here's 11/6's results. CFGO-1440 rr-ing u/WAAB and occasionally atop them, AN. The AN SS on 1160 this time was not Gran-Colombiana, but instead, R. Landia, or all one word, I guess, Radiolandia, in Santiago, Dominican Republic. It was quasi-Auroral, and KSL was almost nil. I think I heard a pip or two from KBRX-1350 TEST but WSLR was tough, not enough for a report. Locally WHN-1050 & WABC-770 were off, WBNX-1380 still off; but in spite of the CBS engineers' strike, WCBS-880 was blaring away with the same old all-NX format. For DXers who are domestic-oriented due to either small RXes or lack of SS knowledge, there are two LPCs for you, both on 570. At 3:52, after several minutes of a hauntingly beautiful nine-note musicbox tune, on blasts HIMS-570, R. Cristal, in Santo Domingo, with their National Anthem. And they simply swell in like Gang Busters. Think that's good? Stay tuned, and at 3:58, they get annihilated by another Anthem, that of Venezuela, as YVLX, R. Rumbos, knocks them for a row of tenpins with an unbelievable signal! These two should be loggable by anyone not having a local on 570 to contend with. Incidentally, WMCA-570 NYC, now s/on @ 4:30. That's about it, so C U N 7.

THE TYPEWRITER.

Our "Magic Typewriter" once again has broken down - the return of the carriage is busted, and it is in the hospital again. This one is not "Old Faithful" but a Smith-Corona portable, about 15 years old, and powered by muscles, not electricity or steam. It looks good on the original paper - let's hope it photographs well too.

AND NOW, SOME HOCKEY STATIONS, AS REMAINING SPACE WILL ALLOW.

Boston Bruins	WBZ-1030	Atlanta Falcons	???
Buffalo Sabres	WGR- 550	California Golden Seals	KEEN-1370
Detroit Redwings	WWJ- 950	Chicago Black Hawks	WGN - 720
Montreal Canadiens	CBM- 840	Los Angeles Kings	KFI - 640
New York Islanders	WHN-1050	Minnesota North Stars	WCCO- 830
New York Rangers	WNBC- 660	Philadelphia Flyers	WCAU-1210
Toronto Mapleleafs	CBL- 740	Pittsburgh Penguins	KDKA-1020
Vancouver Canucks	CKNW- 980	St. Louis Blues	KMOX-1120
Hershey Bears	WHP- 580	Cincinnati Swords	WLW - 700
Richmond Robins	WRVA-1140	Providence Reds	WEAN- 790

From: TOM HINDS@PROX

ERNEST R. COOPER - 438 E. 21 St. - Carrier Route 56 - Brooklyn, N.Y.  
No veries this week, but we got some in- 11226  
teresting DX, as follows: SM 11/12- Another fruitless SM here, but I did note R. Maracaibo-740 coming through around 5:45am, so a bit of a report taken, and completed the next AM. Nothing at all here on 1560 @ 6 or even 6:15am, so back to bed. 1570 had WKOL right after 6, u/CKLM. MM 11/13- A great break, w/WCBS-880 off, and so was the Cuban everybody outside NYC is hearing, so I finally got the chance to log R. Union, Lima, Peru, AN-SS, and doing quite well. I thought from the programming it didn't fit the description of the Cuban station. WABC-770 was on with its AXR, but no leaks noted. Odd; no Cuban on 600 either, but there was one //590 on 580 where WKAQ usually holds forth, a very distorted signal on 580, but A-1 on 590. On 900, there is AN CHML u/a loud OC, plus an FFC also AN. This one is almost as strong as CHML here. Ah, a new domestic on 1550, as I held onto a TT & OC tester who IDed @ 3 as WTHE, S.C. Also more on CFGO-1440 so I will combine last MM & this into a report. They were better than WAAB today. Tester on 1330, & I held here too to try for an ID, & it came @ 3:31, but right in a distorted fade & so missed, I thought I heard Willoughby, Ohio mentioned - did I? R. Maracaibo s/on @ 4:00 in the clear, an easy SA logging, gentlemen! I hope to be at the New Jersey Thing.

HOCKEY STATIONS, con'd from last issue

Des Moines Generals	-	KWKY-1150	New Haven Nighthawks	WELI-960
Salt Lake City GoldenEagles	KSL-1160	Portland Buckaroos	KPOK-1330	
New England Whalers	-	WHDH-850	Cleveland Crusaders	WKYC-1100

(WHY IS A COUNTRY - continued)

physical phenomena" or what have you -- and doing it well. And ones reputation is really the ultimate measure of achievement -- and the real goal to be sought.

- 30

Re Chris Lucas' observation that auroral absorption seems stronger on the bottom of the band: yes, this is generally true. Auroral - induced absorption is of the type called non-deviative, that is, it is associated with the traverse of an electron rich region where the signal is not undergoing a great deal of refraction. The frequency dependence of non-deviative absorption is given by

$$\text{Absorption (in db)} \propto \frac{1}{(f \pm f_h)^2}$$

where f is the signal frequency and f<sub>h</sub> is the gyromagnetic frequency of the electron, about 1400 kHz in this part of the world. The choice of sign, plus or minus depends upon which magnetoionic signal component is being considered. For TA paths this works out to at least twice as much absorption in db on the bottom of the band than at the top. Nights with strong low-banders and weak high-banders are believed to be the result when the oblique sporadic E blanketing frequency falls in the middle of the band. Such nights occur but are quite rare; generally speaking the non-deviative relationship holds and auroral conditions appear stronger on the bottom of the band. (GPN)