

# NATIONAL RADIO CLUB <br> P. O. BOX 99 <br> CAMBRIDGE, MAES. 02134 

NOVEMBER 22, 1969
NUMBER 9

## IN THIS ISSUE

*Selecting a Receiver - R. Edmunds
*lst Information on Widely Heard New Megawatt Libyan:

## new members!

*Michael Baker, 8715 First Ave., \#532-c, Silver Spring, Md. 20910
*Robert E. Fischer, 1509 Whedbee, Ft. Collins, Colo. 80521
*Harry L. Helms, Jr., 115 W. Leroy St., Ft. Mill, S.C. 29715
*David L. Long, 66 Beattie Ave., Lockport, N.Y. 14094
Welcome to the NRC, gentlemen, we hope to be seeing your contributions often here in DX NEWS.

## NEW NRC LOG

Keypunching of the new NRC Domestic Log is now in progress or has been completed through 1480 kHz ; a special hurrah goes to JOHN DALLER who's recently volunteered to take 15 pages of log-punching assignment! If you have access to an IBM 029 keypunch and would like to help us finish up this keypunching job, please contact Lon Berman (address on back page). It's a very simple job and your share of the work will only come to a few hours. Help us get this job done:

## PAST OFFSET ،DX NEWS'

Several of our new members have asked about the availability of past copies of DX NEWS. A limited number of extra copies of all of the offset issues are available to those members who wish to complete their collections; just drop a note to $H Q$ telling us which back issues you need. Please enclose $25 \$$ per issue.

## next time we...

Will probably go out late because of the Thanksgiving holiday so have patience if you don't get Monday delivery of that issue.

| Mon. Nov. 24 | WEKG | 810 | Jakson, Kentueky | 1,000 | 2:00-2:30 | N R C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 | $\mathrm{K} Q O T$ | 930 | Yakima, Washington | 1,000 | 3:01-5:00 | NRC |
| 24 | (K B R C | (1430 | (Mount Vernon, Washi | -n5,000 | 4:00-4:30 | NR C |
| 24 | (K B R C | (1430 | (Mount Vernon, Washin | on1,000 | 4:30-5:00 | NR C |
| Tue. Nov. 25 | K W P C | 860 | Muscatine, Iowa | 250 | 2:00-2:15 | IR CA |
| Sun. Nov. 30 | C K C M | 620 | Grend Falls, Newfoun | 120,000 | 12:30-4:30 | N N R C |
| 30 | CKCA | 730 | Gander, Newfoundiand | 1,000 | 12:30-4:30 | NNR C |
| Mon. Dec. 1 | WCVR | 1320 | Randolph, Vermont | 1,000 | 1:00-2:00 | $\mathrm{NRC}^{\text {c }}$ |
| 1 | W N A E | 1310 | Warren, Pennsylvania | 5,000 | 2:00-3:00 | NR C |
| 1 | KMER | 950 | Kemmerer, Hyoming | 5,000 | 3:59-5:03 | IRCA |
| 1 | K S R A | 960 | Salmon, Idaho | 1,000 | 4:00-5:00 | I R C A |
| 1 | (K B R C | (1430 | (Mount Vernon, Washine | -n5,000 | 4:00-4:30 | N R C |
| Mon. Dec. 8 | $K$ $C$ $C$ | (1430 | (Mount Vernon, Washing | 21,000 | 4:30-5:00 | NRC |
| Mon. Dec. ${ }^{8} 8$ Mon. Dec. 15 | C B N W C | 640 | St. Johns, Nfld. | 10,000 | 12:01-2:00 | N NRC |
| Mon. Dec. $\begin{array}{r}15 \\ 15\end{array}$ | WCVR WHHO | 1320 1320 | Randolph, Vermont | 1,000 | 1:00-2:00 | N R C |
| 15 | WH H O | 1320 | Hornell, New York | 1,000 | 4:00-5:00 | IRCA |
| Thu. Dec. 18 | W N L C C J O | . 1510 | New London, Conn. | 10,000 | 4:30-5:30 | N NRC |
| Thu. Dec. 18 | $C J O N$ $C J C N$ | 930 680 | St. Johns, Nfld. | 10,000 | 1:00-2:00 | N NRC |
| 18 | CJox | 710 | Grand Falls, Nfld. | 10,000 | 2:30-8:00 | N NRC |
| Sun. Dec. 21 | V OCM | 590 | St. Johns, Nfld. | 1,000 0,000 | 2:30-8:00 | NNRC |
| 21 | CFNR | 550 | Frederickton, N. B. | 50,000 | 1:00- | NNRC NNRC N |
| Mon. Dec. 22 | K XRB | 1000 | Sioux Falls, S. D. | 10,000 | 1:30- | NiNRC |
| 22 | K LIX X | 1310 | Twin Fells, Idaho | 1,000 | 2:00-3:00 | N NRC |
| 22 | K I I X | 1310 | Twin Falls, Idaho | 1,000 | 2:40-3:10 | IRCA |
| *22 | ANGUIILA | 1505 | Ancuilla, B. W. I. | , 500 | 4:00-5:30 | N N IR C |
| Thu. Dec. 25 | C J R C | 1150 | Ottawa, Ontario | 10,000 | 1:00-3:00 | N N : C |
| Mon. Dec. 29 | WRYT | 950 | Boston, Massachusetts | 5,000 | 12:01-4:30 | NRC |
| 29 | HIM S | 570 | Santo Domingo, D. R. | 1,000 | 4:00-4:30 | NR C |
| Mon. Jan. ${ }_{12}$ | W J A G | 780 | Norfolk, Nebraske | 1,000 | 1:10-3:30 | NRC/IRCA |
| 12 | WNXT | 1260 | Portsmouth, Ohio | 5,000 | 2:00-2:15 | NRC/MNRC |

KQOT-930 Yakima, Wash. Music \& many IDs. Robert Moore, Mrr., Box 1124, KBRC-1 Yakima, Wash. 98901. Sorry info was too late. RNDDY MIITIER. . Mount Vernon, Wash. will be on with music, plenty or IDs, and cycle tones on both $11 / 24$ and 12/1. Reports to Mr. James Rich-

WCVR-1320. Randolph, Vermont. Ther'il, use "98273. RANDY MLIMIER. other 1320 on-air stations for easier ID. It's to be a $\mathrm{f} / \mathrm{c}$ and equipment test - on botn $12 / 1 \& 12 / 15$. They' 11 also give some Cb 1320, Re tone. Send to Mr. David H. Chestiut, C., WCVR, Box
WNAE-1310 Warren, Pa. This will be a test broadcast "with sine waves" soys Wayne Heinep. IDs every five minutes. WNAE has waves to send. Write to Homer $M$ live minutes, WNAE has a fine v/q Ave. - Warren, Pennsylvania - 7636 , C.E., WAE Radio - 310 and
MMER-950 Kennerer, Wyominc. IRCA member Per. Krr: Wayne heinen. for KMER to use for test purposes. Music (no has made a tape for KMER to use for test purposes. Music (no rock-roll) and ception reports. Bruce CODE NUMER which must be quoted in re-
KSRA-90 Salmon, Idaho. No inco on type of test or modulation, but reports go to Dale Smith, Mcr., KSRA, Box 950, Salmon, Idaho 83467
GFI-TOGEIHEPS. TIM DAVISSON \& DAN MYERS. Starts Gpm $11 / 28$, ends about 3 pm Sun. 11/30. All DXers \& wives invited! See Tim's report towards the end of the Musinss section. And, Sat. 11/29, Noon on, at DAVE ROYS', 7 Iler Drive, Micdletom, New Jersey. Acain, all are invited!

## MUSINGS of the Members

JERRY K. CONRAD - Box 952 - Haines City, Florida - 33844
It has been a mile since I have appeared here as most DX has been on the foreim scene. I did get the new WFIR-960 Roanoke, Va. exVDBT , new new $D X$ has been in out on a date. have been the Cuben. year, this time to the owners of whe They now $s / 0$ @ @om w/PSA-500 \& s/off at changed ther oper ing. Phooey on that. I have a local suinset. Tjey used to s/on late \& off early. Thooey ent it \& I brought it tape that belongs track \& was made in the Midhome to try \& identif it. It sa west, probablj lowa, NTX WABC WWL KNBR etc. If you recomize it, from N... \& per let me :now a 11 ship was on vacation here 1 I ion, parvicular Va lon. pla tape a have trat PUPR was on e 2:30-3
 a. wai $n$ w/a very goa signil (All OK, Jer! -ERC) sent. Wen III that AM WHN Why Have All Kighters? (All OK, Jer: -ERC)

FMw widran - 5 Lakeridee Drive - Matawan, New Jersey - 07747
couple of nice things have bounced this way lately. 10/26 (an. Aunak.) UaID TA-1562 plavine US pop 12:10-12:20, amouncement in unID Ian-are sollored by instrumentals 12:20 on, probably the Swiss. SIDen a pleason: exprise in KKJO-1550 on RS w/promos and KJO Th er Radio side 12. ab, then co:cred b: HJAX. HJAX s/off a few minutes later, leavinc a weak rr which Sollonc till 1 when someone $5 /$ off, wok most likely A A rini 1T: OO ain. MMP-1400 mx \& ID in mess @ 4:59pm, then Ai NX. Unn WNA-1550 a! pp w'sore $5: 14$, rollored byrthe KB Cowboys. MM 10/27- At last, CKDA-12co 2:20 $\because / 2.11$ cosb: album cuts u/XEB, then NX © 2:30. 2:50, KNX-1070 strongest cver hear: $\because / a 11-1 \%$. Checkinc 1220 again e $3: 04$, CK A was well atop w/NX 111 207 s /o:-Th. That was province \#10 heard, a verie would pean a VAP. 10/30-Fic-1sin s/on partiall; atop 5:29pm, followed by FNJ-1390 ID \& NBC NX © 5:30. 10/31-iTVr-950 s/onf atop E 6pm for another try. That evening it was fun listenir: - 0 the Martians destroj Puffalo \& vicinity on KB. (WKBW -ERC) MM 11/3Pest nm3-1230 orf, leaving WIMH, \& HI underneath which IDed e $2: 45$ as WNO, Fla Qhoops, I leet ait WMAJ-1450 s/off in mess @ 2:29. Veries: v/1- WLCY-1380 WISAitro FNL-13io in FF w/CM. v/q-WIAE-1310. Total now 970/616. Just 30 more to Co! (ma then you'll have 646! -Hi -ERC) (C U II/30 at Dave's? -ERC)

MORRIS SORDNET - Huntintion Collece Residence - Laurentian University - Sudbury, Ontario
I cot home to imsdale last weekend and found that Dad had put up a new 75' ion-wire for the R-1155A. It has made a big improvement in reception. INew catches: 10/31: YVOZ-1200 o/WOAI briefly e 9:12pm. 11/1- WHEB-750 NM $4: 25 \mathrm{pm} ; \mathrm{HHLI}-1004: 43-444 \mathrm{pm} \mathrm{s} / \mathrm{Off}$. QSLs received: v/1-WICO-1000 v/q-WCED1420. Ma or hold-out has been KTUF-1580-TEST from last season. Others have re ceived veries for it. No DX here in residence for me, elthou;h loz ore I need - WIOU-1350 10-red $10 / 30$ w/CKLB when usualiv NSP HSLR s/off © mid nitht for some reason. 73
PLEASE, I ASK AGAIN - PLEASE DO NOT USE THE $24-H O U R$ CLOCK IN YOUR MUSINCS!THANX!

4 RICHARD RICHMAN - 14 East Cheshire Place - Staten Island, New York - 10301 NRC this past year. Continued DX to be thankfil for find for find out concludins test eis $1: 20 \mathrm{w} / 10 \mathrm{cal}$ EVD off arain. The AM also found my first reportable Colombian: HJBI-840 © 1:45-1:54am w/SS mx \& frequent TDa as first reportable Colombian: HJBI-840 © 1:45-1:54am w/SS mx \& frequent IDa as ondas del Caribe, \& TCS. Another SS U/FJBI, unID. WSVS 800 VA . logied on $11 / 4 \& 11 / 5$, w/ fregments of ads etc. between WTMR $4: 45 \varepsilon /$ off $\&$ WSVS' 5 pm s/off, lots of CKIw. 11/5- I heard WIBC-2480 0. u/hHOM © 5:11pm, previously, heard only after WHOM S/Off. S/Off of WSKT-1580 7enn. in well © $5: 3011 / 5 \& 11 / 6$. Then the s/off of
WBER-1580 s.c. was heard. ("Dixie" sung). WBER-1580 S.C. was heard. ("Dixie" sund). Backing up a bit, I checked the dial on 11/5 $A M$ for stations on late $w / E R$. Logged was $W H J B-620 \mathrm{~Pa}$. from 1:20 tunein till 1:30 s/off. A surprising catch on the 550 spot was WKRC 0 . heard w/ID \& NX © 12:30am 11/6. WNEW-1130 off, making it possible to hear an FFC on 1150, 1-2am W/FF songs \& beeps between each NX item - GJRC or CJTR? (100-1 it's CJRC -ERC)
$11 / 7-S S S$ found WJWS 1370 Va. 11/7-SSS found WJWS-1370 Va. w/wX e $4: 50 \& 5 \mathrm{pm}$ s/off. Another $\mathrm{s} / \mathrm{off}$ mixed in religious in nature, who would this be? 11/9-Two more Va. catches; wCoe-1590 $\mathrm{w} / \mathrm{rr}$ (1) $4: 47 \mathrm{pm}$, s/orf © $5: 01$. (Imaginative s/off - who would be some waydis90 if there were to be prizes for the best s/offs? WKBA, CKEC, amons others?) (Ho about WRKL-910? -ERC) WILA logged w/ending of editorial © 5:08pm. WDOL-1470 Ga. testing © 1:01 tunein till 1:30 tuneout, hirhty enjor 11/10 great mx Mama Cass, Fifth Dimension, etc.; Only complaint is the city test w / have been given more often, IDs were just -h-D-O-I. unID SS. KNX heard for first time in a while this MM Ghy very $\mathbb{C o o d}$, mixed. $\mathrm{w} /$ ials on so late? For us poor working class folk, any thy were the $11 / 10$ Specis bad news, w/getting up early. I tried the whe Tinct but sked for arter 2:30ar XEG \& CHIM $u /$ them. AM of $11 / 11$ brought two on 1330 curing nothin, but strond encds of WEVD's: WEBO N.Y on from 12:30 the mx (PJB, Glen Campel1, etc.) hut Thed only WASA Md. 12:53-1:39am way $0 / \mathrm{WEBO}$ \& the for $\mathrm{v} / \mathrm{r}-\mathrm{WH} H \mathrm{M}$. v/g- WKTX WSPD WPTF WROK. v/1WAJR ITIMP. v/g-wKIX WSPD WPTF WROK. v/1- ZFB WJEJ WFAR CFGC WHEN WPTT WTTF

KEN IYON - 9415 Goodrich - Clarence Center, New York - 24032 DX includes: 11/1- CFRS-1560 e ${ }^{-1}$ I didn't listen at all last M. This week's -960 © 5:50pm IDing as Yee WFIR 50pm w/rr oldies. unox-990 © 5:24pm w/rr, WFIR WGBF-1280 © $5: 59 \mathrm{pm}$ o/u CJMS, CKRB-1460 © 6.52 mb , first heard here w/new call; WGBF-1280 e 5:59pm o/u CJMS, CKRB-1460 @ 6:52pm way o/all, FF w/MoR \& clear ID C 7:14pm; WIL-1430 © 9:25pm on top all the way tili 10; WIRE in background. 11/3-
WSPF-1580 © 12:42-12:45am \& on WSRF-1580 © 12:42-12:45am \& on w/another ET/mx, WDEF-1370 heard. © 6:35pm w/10cai NX, in until $6: 50$ when covered by WSPD. 11/6-CJCB-1270 © $5: 56 \mathrm{pm} \mathrm{w} / \mathrm{NX} / \mathrm{WX}$ u/WKYZ New veries this week are WGSM, a card for the $10 / 27 \mathrm{DX}$ TEST, and WMIR a card \&
letter, very friendy. C $U$ later.

## Jay MURIEY - 1733 Candlestick - Newport Beach, California

$7-8$ must have been reception of EC clears is ary indication, the TA tests of 11 uy poky little caught a European (BBC-121 a pleasant visit. w/Father Jack in 0jai on 11/8 who had Ecuador, Costa Rice, USSR, Ryukus, \& a firm pair of Japanese.countries heard thi season (since 8/1) have jumped from13 to 18 so far in November. Iast year's to to tal of 21 here in Surf ' $n$ ' Sail City should be reached by December, if a tentative 4 VEF- 1020 checks out, \& if reasonably routine Venezuela $\&$ Dur, if a tentaon the inevitable Aurora. Also among the missing: Honduras, D. R ., Tonga, Papeed Majuro, the DUs, \& the Deep SAs. CX to the NE seemed to worsen M weren't in here by 6 am. Now, when the Aurore seemed to worsen MM $11 / 10$, and TPs . Wen the Aurora ever takes out KSL \& KOA, hi?

## JOWN U. HOOCERFIDE - 3 Marquette Drive - Marquette, Michigan - 49855

ecutive asBs noted (not WTVB), I wonder who? CBU -690 w C U/WAKR, then two concal discussion on Canada's party system ee 1:15. Long-sought KCUE-1250 Red Wing
/Minn. WX @ 8 am. $11 / 2-$ WICR-1420 Ashland s/off $5: 15 \mathrm{pm}$, no anthem, announcin as "Nashville Sound." 11/3-qu te poor CX existing. KMJ-580 Fresno on Renan atop 3:05; WRIE-1330 Erie noted e 5:30 s/on-S5B . At 9:30 stations like KUPKAM towards Kansas \& the Dakotas between 1380 KIPM-1390 completely alone is aiup. 1050 KFDI-1070 KGYN-1210 KOTL-1290 KUDL-1300 KIMNew were KTMN-1430 Minot @ 9:45 \& KEXZ-1300 or for tis type of CX. Really seems this \& I use the F CKSB-105 as an ean en odd to hear Williston N.D. o/Green say wis. e 10am. 5 pm ; KBFB-810 Sturgis we 11 atop © 6:25pm. 11/4-KSIL-690 St. 10 uns w/e program © 8:25am. That PM excellent to Ne w/algals 1.50 © 5 pm and lastly, $11 / 8$ ner 10 LSAR-1480 conpletely atop 4-5pm. 11/5-WSVA-5, $@$ Spu and 1asm /off I had WRIE-1330 s/off e $12 \mathrm{u} / \mathrm{SSB}$, CFLV- $1370 \mathrm{~s} / \mathrm{OH}$ 12 on 1530 was KCHA W/SSE \& WCCR, no anthem. Then rare 10 g but left. Then © $6: 05 \mathrm{KAMI-1580}$. An announcement on 1570 @ 6:05, inis is a test time from the nrw CHLO, St. Thomas. KDSN-1530 s/or- Gpw, no anthem. 1280 a gain on 1570 on what seemed RS - what a signal, however. 1I/10- whic-iab s/off © 2 as pér NRC Loz, loud SS w/SS mx in/out w/WKBN @ 2:45, not a Cuban, \& gave CST TCs: YL P3. MESTS of MRPG-1050 not heard; on 1530, KFBK was woefully weak but seeme YL to be some one else there WCAW-680 s/on 5:05am w/SSB, not 6 as in NRC Iog. This UPR or mit hours of very very poor DXing. Totals, 1,110 .
RICHARD E. WOOD - U. of Hewaii - Dep't of Foreign Lenguages - Honolulu 96822 Verificetions: WBNS-1460 0. my first 0. regional, probably first from Mg:aii, $\mathrm{HKRR-870}$ Mich., most distant report, WMAL-630 D.C., most dis enttrepor: since it came on the air 10/12/25, \& wy first D.C., KKGF-1310 Mont. nost distent report, KiLA-1530 La. possibly most distent but has a vague rect lesticn o" a repurt from one Asian country , has Reception has been troubler port, pres uis recurd beins near Mchorad, Alinter, Reception hat few: KYaK-650 b/ 14re :acic probems in the damp hawaian
 ree $\because: \%$ :oment that in this day \& aze, the LAs are the best verifiers. Moxion, in particular, is responding very well these devs. The countries which are lairl: stable k progressing economicaly, such as Mexico, conbia, and in ezuela, arc also those which verify best. F/ups are sometimes needed, but in most cases it is the postal service's fault, not the station's. Never use attactive stanpo on a letter to an LA station, except pernas to in the capital. And never send a bulping, inviting-looking letter. Welcome to an our new member in the Caroline Islands, and very probably the NRC mencer $\% /$ the smallest local QRM problem of all.
JAVIS GHAPIRO - 1812A Hillsdale Road - Ijnchburg, Virginia - 24501
Hi Gang. It's been a long time since I mused in these beloved pares. I have moved azain, \& am using my home adress for correspondence. Not pazes. I have moved ex due to work weak batteries. But on $11 / 8$ around $5: 30 \mathrm{pm}$, I heard WMUU s/off w/"hen the Day is Over" on 1260, \& report sent. Ex-wDBJ-960 is now WFIR. s/orr w/ hen the day is on $11 / 1$. The station is still $\mathrm{w} / \mathrm{CBS}$. I like the DX They chan in our macazine. It makes our magazine a much more interesting one. Bookshelf in our magazine. It makes ous magaz - I hope he got it. What is that I sent a package to Chris Hambly in Australia ( it hope he ge NSP iocal on $710-E R C$ )

Jof: Jontson - 318 Washington Street - Hoboken, New Jersey - 07030
A few more picked up since my last report: WPRW-I460 Manassas, va A wyOJ-1320 Jacksonvile, Conn., iVKKO-2530 Columbus, $0.11 / 13$ SSS DX follows: WFAX-1220 Falls Church, Va 4:55pm, Wri-1150 Huntingdon, Pa. 5pm. When CEEs/off the other morning © lam, someone on same channel very weak and distant. Anyone know who this could be? (If marr, wokt, in all liklihood - orlinay. -enc)

JAMES E. CRITCHETT - 1504 Lakewood Drive - San Diego, California - 92103 Information concerning the DX Contest started me DXing in earnest again. I had a week's vacation, so my DXing period started at midnight Sat. 11/2. Up to 8:30am EST on MM 11/10 I heard 228 stations between 540 \& 1600 inclusive. Of those, many were Mexicans, since I live only 17 miles from the border. Sorry that they cannot be counted. in the Doruestic contest; but those are the rules. Stations were not heard on 660 or 700 , because of XEYRA- 590 ; on 900 \& 920 because of KDEO-910, \& 1180 . WHAM too far for the existing $C X$, \& $I$ didn't try for KOFI, usually covered by KCEQ-1170 except MMs. Farthese East clear channel was WCBS-880, friend of yours, Ernie? (Yes - he at least s/off MM for us -ERC) WBZ-1030 didn't make it by XEQR. Farthese regional was WSUN- 620 $\mathrm{W} / \mathrm{KTAR}$ off MMs. Apparently the farthest graveyards were KFYC-1400 KAIR-1490, both Tueson, \& KOBO-1450, Yuba City, mentioning the I in Cities: (I thought at first it was KOGO, S.D., on another channel; already hashes WOAI on 1200, from 600). I'm happy to report that 1450 \& 1490 are free of nearby locals lately. KOWN-1450 has not been AN for a long time, \& KDB-1490 just recently quit: pres ent sked is $8: 58$ - EST. However, KPRO-1440 has started again, not on SMs, but AN the rest of the times checked. KGA-1510 weat off @ 3am Tues. 11/4 to return © 9; but KSCM AN except Mis I think. Several Hawaiians heard, and. possibly som Asians; at least not SS. Thurs. 11/6, 10-10:35am EST, 68 stations heard, includ ing Mexicans. Happy Thanksgiving to all, and best of luck in verie-collecting.

## SN WANNE HEINEN - USCG Lorsta - SitkInak Island, Alaska - 99697

Welcome to friendiy Alaska, where it's snowind w/65-75 MPR winds at the moment. Veries have arrived - first the dew KYAK-6SO a v/l via air mail, U-2 w/major night lobe $\mathrm{N} \mathrm{w} / \mathrm{a}$ minor NW \& NE . I'm in major nuil protecting KORL. Next oountry \#2 (Alaska counts as USA for me, hi!) CKIG-730 v/1, v/q from country \#3, XEMO-860. Latest DX: MM 10/27-WGN-720 w/Beer show, INX \& Del ta Airlines $3: 45-4 \mathrm{am}$ EST. This MM led to Dala reports for KXOA-2 $470 \mathrm{w} / \mathrm{gCod}$ signal for at least 20 minutes. I didn't hear location in ID but an SA here from Sacramento heard "KXOA" jingle \& went nuts about hearing home. Also between 2 \& 3am, KLA-1510, KFBK-1530, KPOL-1540, CHOM-1320. Stations were at that end of the dial while usual 900-550 were nearly dead. Loop must wait till mounting 10 cation can be found. Builaing is concrete w/steel. Letter from my dad says WNAV-1430 sent verie for $1 / 6 / 69$ report - chalk up ane more for me. No WRYT at my place yet - about ten reports out from here so far. I hope to get more in future. I got IRCA sample bulletin in mail \& was happy to note it hadn't chan I looked at two poages of their Cof list, \& almost flipped note it hadn thangeal Iots has chanced in the five months I've been away. I have really enjoyed the tech articles by Admiral Nelson \& Russ Edmunds. I'm striking Electronic's Tech for old RBB-4 \& possibly more now. I'm hoping to find schematics \& tech manual pends on Navy to supply 26 -year old references which to it in future. It all deends All in all the changes since my joining $N R C$ into my small resource of knowledge. All in all the changes since my joining NRC are extremely well received by me \& I hope other plans of Boston's gang \& the rest of the active technical men can be realized in the future. Only problem is inflation! I start my sixth year in Ne in $3 / 70$ \& they have been very enjoyable. I hope my info, CPCs \& idiotic com ments have brought something to others. Ray Edge once told me, back when I first joined that you can only get out of the NRC \& the hobby what you put into it We'11 be seeing everyone in NYC in ' 70 to win back the Wayne Heinen into it home territory! (Hurray f'or Schaeffer's) 73s. SN means an extra \$25 a month.

DAN MYERS - Box 311 - Toledo, Ohio - 43601
X: Only one $11 / 5$, NRCeFs. Back again for some miscellaneous ramblings, hi. Cal ads. No DX is weekend. Veries: v/1- WCWA WLKE KRNT KFT (whionee, hi) will $v$, fixed this CKCK. v/r- WGB CKCK. v/r-WSYB. Totals now $535 / 61$, states $41 / 31$. I just finished talking to

Bob Hostettier in Minneapolis, and he says he's defintely comine down here $11 / 26$ o andone in the area that wants to show, be here around 6pa. For that metter nome, It any, whether in the area isitec wion-139, in selle ke didn't know cause their meansurement server of any around this part of Ohio. They had here it was, though. Ion in closer than either WCER, Charlotte Mich.
 WFMJ Youncstown, or WMPO Midalepor o: Cim are always on top of the frequed have you ever heard of a station called I'm gomna get off a bunch of CPC letters this weekendis $7 / 1 / 69$ (which answers my goodics. I found out KEGL is ex-KGNU, \& Switched calls own question in my 11/8 DX NEWS Muse). Anvbody dot ly cheap? Tim Davission \& I are planning a get-togethe
you're interested. With that I'11 close. 73s \& Peace.
ROGER W. VINSOR - 718 North Fremont Road - Valparaiso, Indiana - 46383 I never received my $11 / 3$ DX NEWS which had the new $10 / 27$ - WCMS-1050 TEST ARy possibility of HQ sending me one? DX since last time: on unsked $\mathrm{f} / \mathrm{c}-\mathrm{TT}$ 12:30 10EBed w/much XEG/CHUM/CKSB/CJIC QRM. KW Portugal-755, thanks to WJR being of $-12: 4 \mathrm{j}$. Lisboa-I-665 z00c © $12: 50$, as. Tentative logging of Alaska-650 $\mathrm{w} / \mathrm{c} / \mathrm{w} \mathrm{mx}$ for once. Dal:ar-704 goo as Country" was heard above the static. WGSM-740 TEST (2) 2:27, $a \mathrm{TC}$ " $9: 27$ in the Bic Country was heard when on 5 kW . WKAQ-580 P.R. nowes heard 2:42-3:33 s/off, good sional from 2: 50 when on $10 / 28-$ TA paths still cood td $\mathbb{N}$ whan wha jingles between each record, NoP, Langengerg-1586 good, all aw/het noted on WSB, faint FF-836 indicatins Nancy, Langencers. AN-NN "Soul Moti-
 vation Kecio" 2:15-2:30. 10/30 I was up for beief SRS. $6: 45 \mathrm{~s} / \mathrm{on}$ w/Amerdca the

 RR. WIVs-350 I11. W/new calls on $10 / 30$, ex-WCLR. WREO-970 0. $/ 2$. WBFN-1500 YL emnouncer. 10/31 WSMI-1540 I11. in zood 3:40-4:16pm RS. 11/2- WBFN-1500 Miss . Cpm s/oef. KRYT-1530 6 6:55, then s/off. HJBL-1160 @ 12: 58am s/of w/ phonet:e calle diven. Cuba-875@1. 11/3- KCJB-910 N.D. r/c-1-1:15. Sports on phonete celle civen. to wMo -/0: $: 1$, afterwards I louged WCHJ Brookhaven, Miss. ET till $2: 18 \mathrm{w} / \mathrm{rr}$ to minces, excellent sinal. KVEC-970 Nev. f/c-TT 3:15-2:30. That PM WAGO-690

 11/6-1/10-1250 r/c 2:03-2: WONE is now off MMs, het on 920 IDed as HJAE Emisora Fuentes $\Theta$ wisin in: ESE. WONE is now off $1: 40$, a K , anvbody ID it? KCMC-740 Tex. c/w, very 1:25mm. UnTD TT-1340 IDed (2 1:40, a K , ane few als, from 2:13-2:31. No WUPR ei her thanks to a strons KFBK. KSVC-980 $\mathrm{f} / \mathrm{c}-$ that didn t iD. No luck on $\mathrm{v} / \mathrm{c}$ - WDWS statine $\mathrm{r} / \mathrm{c}$ is $1 / 4 / 7 / 10 \mathrm{mo}$. $1: 35-1: 55 \mathrm{only}$. IT $3: 45-3: 50$. v/f-WCMS. v/c-WDWS statine $v /(1-W A G O, v / f-W D X N K I R L, ~ V G S M$, two pafe v/i from WVOL, a (What day? - IRC) v/l-WAGO, v/f-WDXN KIRL, v/q wGSM, two pafe vis in how his pattern is actins. veries, 578 very Eriandij station $\&$ is interested in how his patern
WAIT BREVILL: - 9127 Coral Drive - St. Louis, Missourd for another Musing. Start
Fially I have loged enoujh new ones or another Musing st ing w/iatest $D X \&$ workind back: 11/11- KBR2-1460 fren quickly faded. WVAK-1560 MM 11/3-KKHI-1550 Cal. in briefly e 2:05am w/NX, then quickly faded. WAK-1, Paoli, Ind. nicely atop channel 6-6:30, $\mathrm{c} / \mathrm{W}$. $10 / 27-\mathrm{Krco-1550}$ spurted in $10 / 24$ © 7:45pm s/off, my first Utah SSS. 10/25-WSKT-1580 Ienn. 2:59pm s/off. 10/24 TMGS-730 0. © 6:50am. 10/2j-WKTY-580 Wis. holding atop well@ $@ \mathrm{pm} \&$ noted of Was-73 this spot berore. Veries still slim pickins w/KSEO-750 a v/ll the only new addition. I'm now using only the 65' longwire until I build another loop. The IW has one advantace in that the $R X$ can be quicl:Iy tuned to widely scattered fre-
 on a 100 .

## EAITOR:

## passell 1. Binunds

101846
Wajte, r.|. 07470

Once again, DDXD has entered a period of transition, and, this time is no exception to the rule that we reiterate the criteria for things to be included in the column. The deadlines for submission are not yet completely clear, as we haven't yet been able to draw any conclusions rejarding mail service from here to HQ. Therefore, temporarily, we will have to run a mail deadline of Saturday nite, and a phone deadline on Sunday nisht.
This will be ren back to Mondays, hopefully by December 1.
There will be a few changes in format, all minor, and they are as follows:

1) R/C's will be listed ONLY as "heard" unless a change is indicated. (i.e.: Jones: $W=-\infty, K--$; etc.)
2) Updater info will be printed as follows: All immediate change items (Facilities, call, sked changes; CPIg on) will appear as usual. All non-immediate items ( Net changes, address changes, new CP's, new calls for not-yet-on-the-air CP's, PSA's, etc.) will run in a monthly updater section within DDXD. This will fun in the second issue of each month. This change will be effected here only, so submissions will be unaffected.
3) The Editor requests that all items submitted be in order of Frequency, and, wherever possible, separated as to the 4 categories: Midnite-Sunrise; Sunrise \& Daytime; Sunset \& Evening; Changes in Station Data.
4) We will greatly appreciate typed submissions. It makes our life easier.
Other changes relate to the selective editing process: The following items will NOT appear: UnID's without ID'able (to someone familiar) details; s/offs \& s/ons listed in log. The following items will be the first to be ealited in case of space/time limitations: Clear channel (class 1A) stn. info uniess more than 2000 miles distant; unID $\mathrm{f} / \mathrm{c}^{\prime} \mathrm{s}$, $\mathrm{TT} \mathrm{I}^{\prime} \mathrm{s}$; and one-time ET's. The most-wanted items remain unchanged: Umasual receptions, change data, etc.
OTHERNESS: No DX items for P.R., U.S.V.I., HA., or AK. Those go to IDXD. Change data, however, as it affects log, will be run. DX Tests heard will be noted generally as"Hrd by Snith (loc), Jones (loc) W/ QpM de W-m, etc." If not heard, or no-show, t'will be listed simply as "not hrd by anybody".
All of these items are in the interest of saving space and time. I may try composition by cut-and-paste, a la IDXD, if it proves easier in the long run, in which case, double spacing BETWEEN ITEMS will be most helpful. Any and all items discussed above are, natureilly, open to momment, and, in the event anyone can put up a good argument to the contrary, open to change. The design of the editorial policy is intended to yield the most benefit to everybody, with the least detriment to anybody, impossible as it may sound. Comments \& sug;estions will be welcomed.

This looks like the case of the missing supporters, hi. I suspect that the change in editor has contributed to this small section, this week, but here 'tis:

## 1814T

620 - CKCK-Sa- Potent and clear w/ rr 0245 11/15, accepting long-distance calls. (Page Taylor- NJ)
KAR-hl Weak but readable way u/ CKCK 0245 11/15. (Fage
910 - KGLC-Ok- Steady sigs. 0200-0215 11/15. C/w mx and freq. ID's. (PT)
960 - CFAC-At- Hrd. 0200 11/16 w/ nx, then out. (Taylor)
1260- CFRN-Atm Hrd. w/ mx © $030011 / 15$ way o/ weak WNDR. (Taylor)
1320 WHHO-NY- Unlisted $\mathrm{f} / \mathrm{o}$ hrd $11 / 11$ (2nd. Tu) 0015-0030. (Guess who....)

## UUSET

750 - KMMJ-Nb Hrd. © 1715 s/off (LSS-Atlanta) about even w/ WSB I1/15. (PT)
810 - WOIZ-SC- Battling WGY 1710 11/14. (Taylor)
$1710=$ KSOO-SD- Dominant 11/9 1725-35 way o/WRVA. V/1 in 5 days. (Page)
1310 - KOKX-Ta- Hrd. w/ ad for Davenport at $1708 \% / \mathrm{u}$ Canadian QRM, gone by Hrd. W/ ad for Davenp
1710 11/12. (Taylor)
1580 - WCCF-F1- S/off hrd. 1715 11/11, in the clear (Taylor)

## CHANGES

++ 610 - KEPR-Wa- granted KON
++ 730 - KVOD-NTI- granted KDA2
++ 850 - WCLR-II- granted WIVS
++ 910 - KCJB-ND- CP is on.
++ 960 - WDBJ-Va- granted WFIR
++1070- WCIR-WV- CP is on.

- CP -NJ. Latest word from owner is that this was only an initial decision, and that Broadcasting goofed (as it does, we well knol
++1150 - KSENT-Mt- CP is on.
$+1200-\mathrm{CRFB}$ NWT CP is on
1250 - WMTR-NJ- F/c is not as listed: is Quarteriy 2,5,8,11.
$++1300-W_{F} \mathrm{OL}-\mathrm{NC}-$ granted WYMG
1310 - WPRJ-NJ- Is having trouble w/ local zoning, and a definitely opposed mayor, hi. Jay never get on.
$+工 L_{1} 60$ - KDMA-Wa- granted KNWX
+1520 - WQMA-Ms- Stn. is on.
+1560 - WCIK-Ga- Back w/ this call, after FCC goofed in cuplicating a call (WKGO) used on FM. (What will they think of next ??)

All of the above items courtesy of the editor. Whatever happened to the 4- and 5-page DDXD's of yesteryear???
$\mathrm{R} / \mathrm{c}^{\prime} \mathrm{s}$ hrd: (all by Page Taylor) WTHU-1450; KDTH-1330; WPUV-1580.
They say, 'A new broom sweeps cleany but seeing DDXD so "clean" of tips is the last thing we need, so...

## Selecting a Receiver

## by Russell J. Edmunds

There are, of course, many considerations to be taken when buying a receiver. Some of these are basic, and generally used by most DX'ers. Others are atrictly personal preferences, which usually have little significant influence on receiver performance, but rather, are concerned with such factors as ease or comfort of operation, or compatability with the DX'er's existing accessories. Still others are more subtie, as they deal with more intricate aspects of the receiver's operation, and these are the considerations which will be of primary concern here.

Obviously, the receiver should possess good sensitivity, but how does one go about checking this point? Generally, it is best to compare the performance of several receivers (if the salesperson will allow it) on a pre-determined set of stations. Just which stations you choose will depend mostly on how far away from your DX shack you will have to go to purchase mostiy on how far away from your DX shack you will have to go to purchase your new set. Pick stations of such a combination of power and distance as to be easily audible at the point of sale, and yet be weak enough as to permit a comparison of relative strength when other receivers are tested. To
sure, select five or six such stations. This will give you a fairly good 1dea as to the relative sensitivity of the receiver you are most interested in.

Selectivity can be tested by checking on either side of strong local stations. Check especially those frequencies where a station should be audible on a frequency adjacent to the strong station. Also, be sure to check the taning distance between adjacent frequencies, especially toward the higher frequencies, where "top-band bunch". Should you be unable to tune the set, a close look at the dial as it is rotated will give you a reasonable indication.

Still another feature which greatiy affects selectivity is ti presence or absence of electronic bandspread which is operative on the $E$ Onfortunately, in many quality cormunications receivers, the Harmarlund HQ-150 and FQ-180 notably among them, are not so equipped. Other aids to selectivity can be just as important, however. An internal Q-Multiplier will be of great aid, as will a crystal filter or filter/phasing system.

Further considerations are often overlooked entirely. If you have thoughts of adding a set of mechanical filters, a set with lots of extra room inside the cabinet may save you the trouble of an "outboard" roounting. Most of the older Hammarlund models have extremely spacious cabinets. If you plan to use a balanced FET altazimith loop, you will require A, Al, \& $G$ terminals for antenna connection. Receivers having only a \& $G$ terninals will require a special matching circuit for balancing the loop's feed line. A crystal calibrator is still another handy accessory.

Another consideration which becomes a major concern to the urban DXer is image rejection. If you can try the set before buying it, it will pay you to calculate some of the mixing products of the nearest and strongest stations, and see if they are audible. Likewise check for true images, as those which lie 910 kHz . above or below the originating frequency. If you can't test the set, a good rule to remenber is that a set with either double- or triple-conversion is significantly better with respect to image and spur rejection than one with only single conversion. If you don't know offhand, the instruction manual will tell you, and, speaking of instruction manuals, be absolutely certain that you get one when you do buy.

Another very important precaution to be taken is to check that the receiver is aligned properly. Many suppliers will insist on aligning a set before he lets you take it, but this is not always the case, and, even 80 , set before he lets you take it, but this is not always the caso, and, eake the the alignnent the dealer promises may not be complete. It is best to take the receiver to a technician you know you can trust to do a good job. Signs of poor or improper alignment that you can see imnediately will be in the areas
of dial calibration, crystal alignment (check against wWV, chU, etc.), poor of dial calibration, crystal alignment (check against WWV, CHU, etc.), poor or intermittent noise-limiter action, and (lo and behold images do serve on of alignment, while their placement (in the case of the $+/-910 \mathrm{kHz}$. spurs) may indieate an improperly tuned IF transformer, (this would be the case if the aforementioned image appeared at 912 or 908 kHz . etc.).

Beware of modifications made by previous owners, if you are buying a used set, unless you are absolutely certain of what has been done. In some cases, a previous modification may be detailled on an insert in the instruction manual, in which case, you may assume that it is accurate.

If you carefully follow these simple rules in the buying process, you will undoubtedly save yourself a certain amount of time, money, and frustration.


If you were something of an artist and had drawn us a few cartoons, one of them would be here right no


MAKE IT ...

ILBYA. A new l-megawatt transmitter at Bayda began operating on 11/6 on 1124; transmissions are beamed to the Middle East and large parts of eastern and southem Europe as well as Niger and Chad. Another Imegawatt transmitter in Tripoli, which will be inaugurated within the next few months, will be beamed to the Arab Maghrib countries and large parts of western Europe and West Africa. Frequency for the latter station not yet known, but it will be European zone split. (Ed)
Not only will this new station permit many DX'ers to log a new country with relative ease, but it's already been heard by several of our members during the Transatlantic Listening Test on $11 / 7$ - only 1 day after it came on the air! Mike Bugaj heard them in Arabic around 1722; Randy Kane and Geoff Fox got them in Spanish and Arabic around 1740 (the presstime flash of last week); Russ Edmunds and the Editor got them in Arabic around 1755. This one is now being regularly heard here in the afternoon around 1730 in Arabic; very distinctive chimes at 1730 help to ID this one.
Those of you who read IDXD carefully were tipped off about this projected operation in the August $24 \mathrm{th}, 1968$ issue... The next of the high-powered arabs to take to the air will probably be the 1.5 mega-watt Lebanese unit.
(Editor)

* IURKEY. The Turkish Radio and Television Authority's new 300 kw station in Diyarbakir was inaugurated on $11 / 8$ and is operating on "283 meters". It was built at a cost of $20,251,375$ liras and its transmissions will be heard in Diyarbakir, Siirt, Bitlis, Mus, Van, Elazig, Urfa, Mardin, and Gaziantep. diso in the regions of Syria and Iraq close to the Turkish border. This one may well be heard in North America at sign-on 2255; 283 corresponds to 1061 kHz . (Editor)
*CONGO. RTV Nationale Congolaise, Kinshasa is on the air 2300-2200 (looks like a typo - 5d) with 10 kw ; also on 1448 with 1 kw . (ARC)
*ANDORRA. Radio Andorra has been heard testing on their old channel of 998 in English recently. (ARC)
*IRAN. The Ahwaz international service is currently modifying its schedule; the regular arabic programming from 2130-2230 has been replaced with local entertainment programs; Kermanshah-985 and Abadan-1160 are also in the midst of extensive format changes at s/on time. A more favorable schedule for reception of this one in North America may evolve, we hope. (Editor)

A BBC engineer on Ascension Island has been conducting some interesting tests with Beverage antennas for very long-distance MW reception. A 160 meter wire gave good steady reception of Lwxembourgh- 1439 on Ascension, while the station was inaudible on a 30 meter wire. A true Beverage antenna, 800 meters long (about half a mile), provided excellent reception of PJB; while shorter antennas gave no reception at all. The staff of the Relay Station on Ascension has conducted a number of experiments in an attempt to set up a beverage beamed on the United Kingdom in order to get good enough Home Service signals for rebroadcast over the Island's local MW station ( 1484 kHz ). Results of these interesting tests will be reported here in IDXD later in the year.

Members' Loggings: Bob Foxworth, GPO Box 2111 New York, N.Y. 10001

Telephone Tip No.: 212-582-0844. A1I Times in DX News are Eastern Standard. 1 -a All Reporters: Please use $8 \frac{1}{2} \times 11$ paper, one side only, or postcards. Preferably typed. Items do not have to be in freq. sequence; we sort them here. ably typed. Items do not have to be in freq. sequence; we sort them here.
please be sure that ali information is correcty and legibly written. Thanks. We have quite a bit of information on the TALT listnening period; we are plan ning on holding this until next week's section so as to make it more complete. Preliminary results indicate, as you read in GPN's section last week, that the period was quite good for reception. We will have, in addition, a couple of reports on long-wave reception during the test period. There is a demonstrable cerrelation between $L$ reception and auroral cx; such reports do have a high degree of scientific usefulness in this sort of research.
540 Nicaragua. "Radio Corporacion" hrd, but not enough for report, at 2144 2304 u/XEWA and another SS, which I think was Radio Horizonte. (Cooper, N
548 Algeria. Oran at good level on $11 / 8$ from 1640 to 0100 s/off. (Grant,MA)
554 a unID. LA here $2330 \mathrm{1l} / 6 \mathrm{mx}$, brief anct 2337 and off, het 555. (Hauser, Okla)
629 Tunisia. Noted AN 11/2 w/ER; occasionally good signal. (Dangerfield, Pa.)
638 Spain. RNE La Coruña must ve been SS from NE W/carriex 1915 11/6, mxat 1921, SS talk, off appx 1930, new here. (Hauser, Ok.)
660 Colombia. "Radio Uno" still running AN M's, easy catch, but grab him quick for I hear WNBC is soon to go NSP. (Cooper, N.Y.) (That's been a rumor for months now, I can't get any concrete info on it, dernit-Ed.)
665 Fortugal. E.N., Lisboa, my most reliable TA, new at Enid at $005511 / 5$ $w / O C$, UiUU clock chime and strike, anthem, ID, fanfare, $m x$, still steady at 0130 during lite mx. My loop re-strung in record time after noting hets all over the dial around sunset as I drove into Enid. (Hauser, Ok.) portugal noted again $11 / 6$ at 1831 with a bit of audio, good carrier, but gone by 1915. (Hauser) Lisboa a good bet eves and mornings, hrd appx gone by 1915. (Hauser) Lisboa a good bet evea
1900 as well as after 0200. (Bill Grant, Mass)
666 Mexico? Sounded like a beastly distorted spur, in briefly $000611 / 10$ with ranchero mx. (Hauser) (as is 683 item)
683 Spain. RNE Sevilla, mx 0110 11/5, my 2nd most reliable TA, new in Enid. 719 a Cuba. Hrd beginning La Voz de Cuba 0002 11/7, until 5:30a; chimes.. hard to find a nicer IS. (Hauser) Cuba. Have to log this nuisance for the contest; I guess, but at $025911 / 10$ the Cuban was glorifying the State while WGN was glorifying the virtues of the Caribbean and how to get there via an airline..some combination! (Murley, calif.) awail. KUAI atop Cuban 0310-0313 11/10 with mention of port allen social group. Port Allen is across the gorge from Eleele, Kauai. (Murley) Costa Rica. Radio Columbia $000011 / 9$, distinctive theme mx. (Hauser)
730 Colombia. "Radio Tricolor" Bogota is AN MM's, hrd u/CKAC. (Cooper,NY) HJCU Bogota, noted AN by Silvera 9/22, was dominant 0435-0445 10th, needed here, hadn't been noted before, in line with Michael s noting them as not being regularly AN. Their ancr's "mas musica" line probably not related to stn slog, or has Drake no Two mentions of Bogotá; slogan and call not noted. (Murley, so Calif.) Poland/Spain. Stations about equal at $193011 / 1$ with very clear signal from both. (Dangerfield, Pa.)
755 West Germany. Station at 2200 on $11 / 1$ appeared to be K81n rather than Timisoara, Romania. (Dangerfield, Pa.)
755 Portugal. Lisboa II, light mx surprised me, overriding TV sweep buzz, new logging at Enid. 1913 11/6. (Hauser, Ok,)
764 Senegal. Dakar here $020010 / 26 \mathrm{w} / \mathrm{good}$ modulation, sounded like nx in FF, rock-solid for 3 mins , then rapid $\mathrm{f} / \mathrm{out}$. (Sadoian, Cal.) (U mean 10 / 27? Ed.) (Here on the EC, we're spared that gruesome problem, Jay-Ed.)WCAU; LA stns looped. Initially in 15 secs and out 90-110 in first block and in 40 to 70 , out $50-100$ seconds in $11 / 13$ block. Looped to NE but covered by LA signals when did so. Signal had fast flutter, first time noted here. (Jay Murley, Newport Beach, Cal.) (Good stuff, Jay) BBC was hrd here $001010 / 27$ with good audio, but not good enuf for positive ID, hrd again 11/2 at 0203 with exc audio, was able to tape ID as Radio One by their ancr. (Sadoian, Calif.)
1256 unID LA. Perhaps the Costa Rican, 2340 11/9, LA vocals, 2343 TC for 10:44 pm. (Hauser, Okla.)
whe Germany. Was at best level yet during opening evening of $11 / 1$ when with continuous and Czechoslovakia. Prague hrd $11 / 6$ at good level at 1730 with IS and then Pgm in GG. IS at 1800 and Pgm in SS to $1830 \mathrm{~s} / 0 \mathrm{ff}$. (Grant, Mass.) Great Britain. Crowborough at good level on $11 / 6$ at 1750 and on $11 / 8$ at 1825. (Grant, Mass)
1204 Poland. Watch for this one and other Polish stations on Saturday eves, was very good on $11 / 1$, such as at 1855. (Dangerfield, Pa.) Colombia. Radio Reloj, HJRN 0530 tropical mx $11 / 10$, tinie checks between each record. Much touted for accuracy but actually 5 minutes fast. (Wood, Hawaii)
1367 Poland. Not usually as good as 1304 but can be fairly clear, another good signal here early eve 11/1. (Dangerfield, Pa.)
1375 Costa Rica. Radio Monumental hrd here 2325 11/5, fair to good signal, even with ORTF-Lille-1376. (Edmunds, NJ)
St. Pierre et Miq. At first, mistaken for Monumental, but hrd FF speaking, and loop bearing agreed, even with 1376. (time?) (Edmunds, NJ) Spain. Wish I could have IDed the one who s/off 1900 on 11/l, after peaking the meter with cl mx at 1854, then fading somewhat prior to anthem. T'would be nict if it were Mallorca. (Dangerfield, Pa.) before 11 pm , then I hear one just minutes after LSS. Earliest I've hrd one; however, unn. (Raczko, Ohio) (Exceptional cx that eve-Ed.) Albania. Shkodra hrd early eves in GG and FF 1700-1800, good level 1750 11/6. (Grant, Mass.) Costa Rica. Radio Monumental 11/6 2324 "Radioperiodíco de todos los costarricenses" 2328 "la palabra de Costa Rica en R. Monumental" (Hauser) Monaco. Usual good signal $11 / 5$ and $11 / 8$ 0000-0100. (Grant, Mass) unID Spain. Hrd s/on 0137 MM $10 / 20$ with large male chorus singing what I believe was Spain's NA, if not, then a hymn. ID given 0139 for E-A?? and hrd no trace of Austria at this hour. (Cooper, N.Y.)
1475 Austria. Wien hrd in GG $002011 / 5$ with good signal. (Grant, Mass)
1530 Puerto Rico. DX Test from WUPR Utuado via taped DX session hrd at 0230 instead of 0330. Very good signal here and a really fine pgra of music and information about Utuado and Puerto Rico, some QRM from KFBK and an unID ETer. Now, who was the EE 0330-0430 when WCKY came on? Very weak but definitely EE; could've been KFBK if they had dropped out by then. Reported and taped. (Conrad, Fla.) (who switched time?they?)

Malta. Fine signal on $11 / 2$ from 2245 s/on until f/out at 2315. Got the whole program. Must be stronger than 10 kW . (Dangerfield, Pa.) nx, a woman gave what appeared to be news in a Russian dialect about 2355; at 2358 began a 2 minute IS, used by Russian domestic and foreign stations, then began what must have been Moscow service at (G0LO (Grant) France. Nice hrd $11 / 7$ at 1830 with weak signal and $11 / 8$ at 0014 with fair signal. (Grant, Mass.)恠 0010 s/on. (Grant)
1578 Portugal. Porto with fair signal 1825 and again 2033 11/7. (Grant)
1586 W. Ger. Langenberg hrd nightly w/contiriuous mx . (Grant) Langenberg here 2350 10/26 with time pips on the hour, GG male ancr continued. Very fluttery signals, maybe 2 fades a second. (Sadoian, Calif.) unID LA. 11/9 1925 LA vocals, 1932 gave CST TC 25 before 7. (Hauser) 1594 Portugal. Lisbon weak 2025 11/7. (Grant)
1602 West Germany. Munich hrd many evenings.1586 appx 1945. (Grant, Mass) Verification Section
540 NICARAGUA. Radio Corporación, Managua. V/1 from César A. Rodríguez S., Depto. de Programación. Enclosed attractive pennant. (Wood,Hawaii)
780 BRIT. VIRGIN IS. ZBVI, Road Town. Pleasant, specific v/1 from Leopold N. Mills, Manager. Says station has had reports from Australia and East and West Germany. (Wood, Hawaii)
960 BERMUDA. V/1 received in 1 week from this one, says, "We are about to increase our radiated power". (Richman, NY) (Hi neighbor-Ed.)
1010 Venezuela. Radio Aragua, Maracay. Very specific, 2-page v/1 from Jesus M. Labrador, Director. Xratr in, and licensed to, Cagua; announces as Aragua, where studios are located. (Wood, Hawaii)
1150 VENELUELA. Ondas del Caribe, Punto Fijo. Post-card, specific, from unreadable Director. (!ood, Hawaii)
1166 COLOMEIA. "Ondas de Ciénaga Grande" v/l fron Eliecer Zuffiga Guerra, Director, dated $10 / 11$ for $10 / 2$ report. Address: Carrera 11 no. 15-32, Ciénaga-Magdalena. Text includes: "...dar respuesta a su carta....en la cual nosrinde un informe detallado de la recepción de nuestra Emisora en perfectas condiciones. Agradecemos sinceramente sus palabras de aliento, y ello nos hace pensar que muestro trabajo realizado es plenanente satisfactorio, especialmente llegadas de un experto en radiodifus. ión cono lo es Ud....(replying to your letter...giving us a report of eerfect reception of our station. Thank you for your kind words, the nake us feel our efforts have been worthwhile, especially coming from an expert in radio such as you are - trans, by Ed.) (Cooper, N.Y.)
$11 \delta 7$ GUATEMAJA. Radio Sonora, sent v/l signed by Max Ruiz Tejada, DirectorGerente, 5a. Av. 16-3s, Zona 1, Guatemala, C.A. Letterhead says 1140 ith $10 \mathrm{kK}, 90 \mathrm{mc}$ FM and 600 kHz with $1 \mathrm{k!}$. Letter dated $10 / 14$ for report of $10 / 8$. Text includes, "Con suma satisfactión he recibido su atento reporte solure la transmision...efectivanente los datos que detalla en su atenta carta reporte, todos son exactos. Francamente nos ha causado suma satisfaction el saber que Radio Sonora" ha sido escucnada en buenas condiciones." (Greatly satisfied to receive jour report on (our) broadcast... In actuality, all the information in your report is correct. Frankly, it's pleased us a great cieal to know that "Radio Sonoral has been heard so vell. - trans. by Ed.) Goes on to state that cnitr is a Collins 10 kW ; included foto of antr shed in town of Villa Nueva, 18 kra from downtown. Makes a cryptic reference to "frecuenci are no longer there or not. No not clear if they realize that the are no longer there or not. No reference atall to freq in text of the
letter. Also states that pennant enclosed. (Cooper, NY, text was quated
from Xeroxes of the letters sent to your Ed.)

770 El Salvador. "Radio Universal" in San Miguel, logged on 10/20, the last MM of EDT 0002-0005 s/off; this was all the time available due to WABC being on before 0002 s/off. (Cooper, N. York) Italy. Rome, first time hrd 1832 10/26, fair signal at times, rptd, Country 非49. (Raczko, Ohio) Rome is a good bet any evening from f/in at appx 1700 to fade out appx 0100. (Grant, Mass) lear local ID 0728 and Internationale. 0730 , Peking ID and into Peking elay. (Wood, Hawaii) (For benefit of our newer members, JKT is an acro aym of the romanization of the Chinese "peoples' broadcasting station" CJKT, when you see it, is "Central Peoples' Broadc. Sta."; you will not find this listed elsewhere, hence explanation here.-Ed.)
Nicaragua. Radio Libertad no longer the powerhouse it used to be. 11/6 Nic ads at 2303, ID 2304, short s/off by man/woman interrupted by "itchy big switcher" (Hauser) (same guy that tunes their xmtr? hi hi-Ed.) frequent IDs. (Wood, Hawaii)
925 Aruba. Radio Victoria, PJA-6 w/Back to the Bible 1800-1830 then s/off, anncd freq as 920 with s/on at 0700 local time (=AST) Gave complete ID and calls at s/off, hrd 11/7. (Conrad, Fla.)
935 Morocco. Agadir another of the best bets, hrd here most any time from 1700 to 0130 and usually at a good level. (Grant, Mass)
955 unID IA. $11 / 100610$ good level but uncopiable, TC at 0630 for "exactamente las 5 y 26." (Hauser, Okla.) Nicaragua. YNLU Radio Managua hrd here 11/6 2230 shifted from 965 and and had many Radio Managua ID's. (Conrad, Fla) Colombia. Radio Sutatenza strong $055311 / 10$ with same music ditties between comments on Conservation of natural resources, as on 5095 but not // nor was /5075; cf. 1010 last week. (Hauser,Ok.) (11/15 IDXD-Ed.) with AN Pgm. (Dangerfield, Pa.) w/ just OC; no pomg. (Cooper, N.Y.
990 Hawaii. KTRG, Honolulu 0350-0400 11/10 u/KTKT, KFWB splash, KKIS looped and had telephone talk prior to ID. (Murley, Calif.)
1010 Mexico. XEHL, Radio Internacional, Guadalajara 0745 11/9 spots for Brandy Presidente, Soviet Far East partly looped. (Wood, Hawaii)
1015 Nicaragua. YNVOZ, Radio Reloj de Nicaragua, Managua 0605 TC's 11/10 every minute; checks made right through music. (Wood, Hawaii) Tonga. ZCO, Nuku'alofa here 0240-0330 o/u KDKA, faded in in cycles, when KDKA dropped out, $Z C O$ was in real strong and $95 \%$ readable, pgmg EE talk until 0246 then into vernacular, EE again 0305. (Sadoian, Calif)

1025 Colombia. "La Voz del Pacifico", Cali, is AN on RCN network, logged with strong signals MM 11/3 with WINS-1010 silent. (Cooper,NY) Haiti. Tentative only, evangelical EE looped correctly 0540-0610; was inaudible for $0600 \mathrm{LD}, 10 \mathrm{th}$, WRTH says shouldn't be EE before 0600 so assume a sked change on 4 VE as can't recall anyone else this could fit. Can anyone confirm? (Murley, Calif.)
1070 Colombia. "La Voz de Santa Fé", Bogotá, generally atop MM's AN (Cooper) Colombia/Uruguay. Isn't the Caracol ANer here HJBC, La Voz de Cúcuta? According to WRTVH, it's the only Caracol stn on the channel. While logging this $\operatorname{stn} 1 \mathbb{M} 11 / 3$, at 0315 it faded out and in came $\mathbb{C X}-28$, Radio Imparcial...wouldn't you know, the only Uruguayan I've veried? (Cooper, NY) Lithuanian SSR. Vilnius in with strong signal $223011 / 1$ and almost wa like it was back in 1964-65. (Dangerfield, Pa.) (Same as Bob Hoffman noted...just think, only several more years before those same CX, hi-Ed)
1115 Ecuador. Radio América, Guayaquil, is and has been 1 kW for 5 yrs . (Dave Gleason, Richmond, Va.)
119 Cuba. Cuban anthem $000011 / 10$, off 0001 , after bothering KMOX all eve, is this CMDL, Radio Angulo, Holguin, from 1120? (Hauser, Okla.)
k* 1124 Libya, Noted every evening and after midnight like a "ton of bricks" is in Spanish and Arabic 1700-1730, seemingly in AA the last part. Was the unID reception during TALT tentatively IDed by bearing as Morocco, IDed 11/14. Has 8 Big-Ben-type chimes at 1730 , then s/off. Is reportedly testing with a megawatt, apparently using several languages and aiming for a large geographically spread audience. Creates a 6 Hz SAH against EAJ29. (Nelson, Mass and Jacobs, Penna.)
** 1129 Nicaragua. Radio Católica, YNRC, norn $1130,225211 / 6$ devotional, Vatican theme, 2257 mention Cordobas, off abruptly. Successive nights, a little lower, a little higher. New. (Hauser, Okla.)
1130 India. All India Radio in EE at 0900 11/12. Signal generally strong over JOQR with occasional deep fading. I previously hrd this at 0830 on $10 / 23$. This must be the high-powered stn mentioned in $11 / 1$ DX News. Has sloff at 100U. (Bob Bundy, Truk, E.C.I.) (Hi Bob, welcome to IDXD, yes it is they. You must certainly be in a good location,hi-Ed.)
Yugoslavia. Zagreb continues as one of the best TA's here, particularly early evening $11 / 1$, plenty of pop $m x$ and is on late most nights. (Dangerfield, nr. Phila., Pa.)
1140 Philippine I. Poro here $055911 / 3$, VoA IS then EE ID. Began pgm at 0600 , in Vietnamese, I think. (Sadoian, Calif.)
1145 Ecuador. The HC-- here has been dead for some-time. Many reports of a few years back that got veries were not correct; they had a 9 or 10 PM sign-off. (Gleason)
** 1160 Ecuador. Radio Presidente, Quito is new. Xmtr is about 1500 watts, very shallow modulation, sloff 2300 or 2400 depending on which night it is. (Gleason, Va.)
1160.5 Colombia. Ondas del Ciénaga, RCN plug, ID at 2352 11/9. (Hauser)

1196 Vest Germany. VoA hrd 2315 11/4 with EE and ID before going into Hungarian, good signal. (Grant, Mass) VoA Munich hrd 1851-1900 s/off 10/26 very good at times and easily separable from WOWO. Reported and verie very good at times and
back. (Raczko, Ohio)
ur ID Arabic. Often gives VoA-Munich strong competition around 1700 ; Morocco or UAR? (Dangerfield, Penna.)
Venezuela. YVOZ good signal $174310 / 28 \mathrm{w} /$ partial light still outside, unn. (Raczko, O.) Radio Tiempo noted occasionly QRMing WOAI 10/31 eve, first noted 1955 but signal peaked 2112-2113 when completely covered VOAI. (Morris Sorensen, Ont.)
1205 China, P.Rep. unID stn relaying Peking CJKT quite weak 0630 11/9. (Wood)
1205 France. ORTF Bordeaux generally the best of the French, 2345 11/4. (Grant)
1210 Hawaii. KZOO, Honolulu U250 11/8 with Jap mx and spots, perhaps due to low power, can fade rather deeply. (cont"d next page)

ICK ivintis - Box 1,988-Gary, Indiana - 46409
Happy snowba11s. 11/7-WAMY-1580 Amory Miss. r/c 5am; WPYU-1600 Muskecon 5:42-5:55 poor. 11/8- WDXN-540 Clarksville Tenn. s/orf 5:46pm. 11/9-WMBH-1450 Joplin c/w 3:55-4:10 well enough for report, after this they 're a pest, hi! KEVI-144广 Topeka rr 3:55-4:10; WCBL-1290 Benton, Ky. r/c 5:30. 11/10-WIRC -1340 E1khart, Ind. r/c 12:30-12:45, see comments; WCAZ-990 Carthare, I11. r/c; WWDC-1260 D.C. poor w/promo for Ma. State Troopers. $11 / 11-\mathrm{KCHR}-1530$ Charleston Mo. r/c 1:42-2; WSMB-1350 La. W/WX © 2, poor. ???-1420 unID TT 2:45-3:20, 100ped NE/SW, any ideas? Definitely not WKPR WAMM or WIMS. WABG-960 Greenwood, Miss. ET ending © 4:19 as I tuned in. WJAX-930 Fla. s/on 6:01; WISN-1130 Milwaukee s/on 6:01 w/SSB; unID-1290 © 6:30 w/analysis of N.Y. mayor election and calling itself "Mighty 1290" -was this WGII in Baby1on I.I.? WDNT-1280 Tenn. 6:32 poor; WTT-1170 Tamp s/on $6: 45$ me tioning Daytona Beach ??, KSEO-750 Durant, Ok1a. © 7:20-7:30 unn; WIBB-1100 Carroliton, Ga. 7:35-7:45 for muchowanted one. All times AM unless otherwise noted. WIRC reported in verie that it is an r/c made quarterly but didn't state which months, probably 2/5/8/11. Veries in: v/1quarterly but didn't state which months, probably $2 / 5 / 8 / 11$. Veries in: v/1-
KWVY KIRL WNAK WTHJ WKAR WIRC KSEO. v/q-WSPD KPRC. v/PP- WIBV. v/r- WTTS. KWVY KIRL WNAK WTRI WKAR WTRC KSEO. V/q- WSPD
Totals now $750 / 373$. Return is $77 \%$ but hard to say because if I send out one, it's apt to be seven to ten at one time. 73 .
BOB HOSTETTLER - 166 Territorial Hall - U. of Minn. - Minneapolis, Minn. 55455
I'm back again. Please note the new address above. Phone \# here is 612-373-6387. I'm trying to make it down to Lake City as many MMs as I cen, so a little DX is coming in, like this: WEVR-1550, River Falls, Wis. reported on 10/5; verified repidiy. They went on the air in September sometime. Also on 10/5 I heard an SS on around 1025 (my PX is out of alignment so I could n't tell for sure) that sounded like R. Rancagua, but I could find no station listed in the sources I had at the time; this was apparently a Colombian. Anybody help me out on this one? (R. Pacifico, Cali, is ANT -ERC) It's probably a real common station, hi. (It is, hi back -ERC) WPPX-1330 was joted © 12:18am mixed w/KFH, 10/6. Also noted was TIQ-1204 w/EE s/off © 1:01. WTTO-1520 reported for 2:54; KBMI-1240 TEST in from 3:23, MOnt. \#24 of \#15. WMNI-920 s/on e 4:01. Later in the month, KKIN-930, the "Country Giant " heard nearly alone e 10:05am. SM 10/12 second report out to them; WIBI wasn't on at the time. WGSM740 TEST in mixed w/CBX \& apparent KCBS, plus the Cuban on $10 / 27$, veried $\mathrm{w} / \mathrm{CM}$. 740 TEST in mixed W/CBX \& apparent KCBS, plus the Crban on 1 tried for KTFI-1270 Same MM I finally, got a report off to KORL- 50 . On 11/10 I tried for KTFI-1270
\& first got KFJZ/CHAT/WWCA (fi rst time). WWCA went off e $2: 02$ \& CHAT © 2:04, \& first got $\mathrm{KFJZ} / \mathrm{CHAT} / \mathrm{WWCA}$ (fi rst time). WWCA went off © $2: 02$ \& CHAT © 2:04,
so only KFJZ \& KTFI left; no report possible to KTFI but I finally got Idaho $/ 11 \mathrm{l}$ so only KFJZ \& KIFI left; no report possible to KTFI but I finally got Idaho $\% 1$.
I heard no TESTS that MM but while tryinc for WYSE-1560 I was awakened by SSB on WRSJ but they soon faded out. Totals are now $863 / 385$ (?), \& hopefully will be climbing steadily, but school must come first, unfortunately. SCers and aMers, ask for my lists. That's it for now, but I'll be back soon. Peace.

RICHARD CLARK - 4110 Bayview Drive - Fort Lauderdale, Florida -33308
This will be my new list of stations in my new home here in F10rida. As in Pittsburgh I had logged 892 BCB stations \& two IW. Now I have 98 BCB in one week. Here are some of them. 11/4-WABC-770 WCBS-880 WNBC-660 WQXR1560 WINS-1010, all WY around 7pm, KYW-1060 WCAU-1210 © 7:45, WHMM-1180 Rochester, NY WIS-890 WBBM-780 WCFL-1000 WBZ-1030 KTOK-1000 WOAI-1200 WBAP-820 XEG1050 XERF-1570 XELO-800 all Mexico, WSB-750 WWL-870 KMOX-1120 WBT-1110 WRVA-1140 WTOP-1500 WRC-980 KDKA-1020 \#WVA-1170 WKYC-1100 WCKY-1530 WLW-700 WKBW-1520 KSI1150 KONO- 860 ZNS-1540 ZNS2-1240 WRDW-1480 WLCY-1380 PJB-800 OMCD-760 WSUN-620 WTIX-690 WGY-810 WAVE-970 WING-1410 KAAY-1090 WIEV-1130 WOWO-1190 WDAE-1250 WMAK WTIX-690 WGY-810 WAVE-970 WING-1410 KAAY-1090 WNEW-1130 WOWO-1190 WDAE-1250 WMAK -1300 WFTL-1400 WCMA-1320 WWOK-1200 WQBA-1140 WVCG-1080 WIOD-980 WIXX-1520 WRTZ-
1550 WSFF-1580 WRBD-1470 WFUN-790 WQAM-560 WIOD-610 WGBS-710 WINZ-940 WOCN-1450 WKAT-1360 WMR -1490 WDBF-1420 WLIZ-1380 WIPK-1290 WQXT-1340 WEAT-850 WJNO-1230 WSBR-740 'WOJ-1320 WIII-1430. Wel1, that's it for now, 73 s .

WE ALL HNE SOKETHING TO BE THANKFUL FOR. IF ONE OF THEM IS THE NATIONAL RADIO club my any chance, why hot resolve to pitch in and contribute to the various SECTIONS?

GEORGE KELJEY - 118 White Street - Belmont, Massachusetts - 02179 When I emptied Box 99 on $\mathbb{M}$ Massachusetts - 02179 so many earlh responses to the TALT. It looks like it will be a great success. The $C X$ that night of the test were really good: 48 hours later they wuccess terrible. Good timing, GPN! OK DX freaks, now I'm coing to KKJJ-1550 Miss. heard fair w/rr © 12:50m. 10/21- VUST-1120 00d. e 5:30pm. 10/25- Norte-T-719 Portugal noted w/excellan
 them $\mathrm{W} / \mathrm{my}$ old. $\mathrm{HC}-140 \&$ super-10Cal WCRB slopover. testing w/mx © 2:25am u/wTRy \& very weak 11/8 cHIC-700 ant TD signal. 11/11- WLKW-990 R.I. tasting w/OC © RS davtime sicnal heard here - they mul Managus-YNUU-955 Niar $\quad R$ 11:55. Total heard now 533 heard. w/good signal \& pop @ $11: 45 \mathrm{pm}$, faded out by Callarman is heard now 533. Countries, 42. I would like to report that John Bogart that inve \& well \& was present at the last publishing session. Don't Bogart that joint and. Good DX. (?? -ERC) Well explainlater, Ginie. -Glow
JOSEPH FELA Jr. - 167 Goodwin Avenue - Newark, New Jerse - 07112
After a very successful Summer and early Fall at FM DXing, I find it hard to return to the AM band. However slowly but surely I'm returning There was one sctback, though. The SX-100 finally went into the shop for some would-overdue repair work \& I won't have it back for at least another week. I would move up to an $\mathrm{HQ}-180$ but everyone seems to have so much trouble w/them comments? (Not so here -ERC) The only veries this year have been $\mathrm{v} / \mathrm{is}$ from WCVR-1320 TEST \& WERI-1230. The only DX has been on $9 / 21$ when WCVR-1320 TEST was 10 gged @ 11:17pm while watching TV (they had that good a signal). Also 10 19 12:28am WKGO-1560 ET/M \& 1:01 TIQ-1204 or so. On 10/27 the WCMS-1050 TEST was locged easily around 12:15am. There was also a trace of them on FM TEST they shut the latter down \& ran on AM only. I tried for the WCIR-1070 TEST dur ins the first 15 minutes but only WFLI was on the channel. Either WCIR did dur show or came on later. Winter must be coming as today, $11 / 8$, lots of daytime skip was noted in South Plainfield on the car RX up to $11 / 8$, lots of daytime The better stations included CHST/WCOP the car RX up to three hours before SSS. 표 KYW isn't al stations $u$ /such CX were WCOV-FM I I have tried to follow this up w/the CE \& he says he will send future poor re pors aw as he gets them. I will definitely change locations sometime after 12/1. I would like to say no more WWRL but they don't really come in now. 73. (C U 11/29 in Roys Town? -ERC)
PAUL KIIROY - 2113 Fort Davis Street S.E. - Washington, D. C. - 20020
NX @ 6:05m. N: 10/31-CJKL-560 Ont. s/on $5: 55 \mathrm{am}$ w/On Canada. WLLL-930 Va. TCs, \& 10w the $11 / 3-$ UnTD-1190@ $1: 15 \mathrm{am}$, had Social Security card contest, MST Another unID-1000 @ $1: 50 \mathrm{am}$ w/ad for Interstate Iand Assin - anyone help here? (They 're on 630, Paul?? -ERC) CBW-990 NX @ 2:25am. (Tone Tests \& classical music?? -FRC) UK © I presume RJR. 11/9-SBC-1562 cl mx @ 1.12 premium. Six Colombians \& two Venezuel ans. Verirications have been at a Others out but more recent: TWR RAI Porto-665 \& Austrin veries. A whil back DX NEWSes. He old \& possin and any mande any progress or found that would fit the 10. PX NEWS? $11 / 10$ brought Auroral CX. I had to conclude als that were sked.

HAL ROBIE - 273 South Street - Medfield, Massachusetts - 02052
I have been spending a little more time at the dials lately, \& as a result of adding Canary Islands \& Sierra Ieone to the 10 g , I am now up to 85
countries heard. Reports sent to both. Recently I purchased. a Sony tape recorder, \& am able to use it w/the Wollansak to record tape to tape for editing and compiling a permanent file of DX from my working tapes. Also it's nice to have the tape recroder for standby in case of emergency. I expect results of the od TALT will com TAs not heard, including Dakar on 764 , oi all things. In general, excellent reception early evening, but poor thereater. Prior to that date, CX seemed cooc w/Cairo-818 coming in strong 11/1 @ 10:59pm s/on w/anthem, first time this season. Usual program of chanting followed, \& was heard on successive nights. Other TAS also good., but CX have tapeered off since 11/7.

FRANK WHEELER - 6589 Wattsburg Road - Erie, Pennsylvania - 16509
It's about time I sent a report to the NRC. October was a pretgood month. 10/13 I got my first new one for this season, CKDA-1220@ 1:05, am 0 sent a good report but no answer - I enclosed. a Canadian stamp. That same AM I got WERT-TEST for NRC, also WERT-1220-TEST for IRCA, all new for me. 10/14-KKJO-1550 12:48am, another new one. They sent a v/1. I received WKBA-1550 10/ 27 on a test, 12:44-18m not new, but never verified - they sent a v/c. I received WCMS-1050 on for IRCA 12:04am, also WGSM-740 on for NRC new, they sent a v/c. 10/29 I received WNRV-990 s/on@ 6:40am, new. CBW-990 s/on e 7 10/30, and $10 / 31$ WLAP-630 s/off @ 12:02am. Into 11/4, received WAXU-1580 © 5:30pm new. On $11 / 7$ I received. WAMM-1420 (new) © 11:23pm. 11/8-WKEY-1340 had a test from 4:30 on. Lo total now 2,626 received w/1,601 veries. I'm trying for the new NRC contest, I have one form almost completed except for 1240 \& 1280 , bad interfercontest, 1 , have one form almost completed except for this time. May you all have a cood. Thanksciving, and thank the Lord that we still have good old U.S.A. 73 s . a good. Thanksiving, and thank the Lord that we still have ${ }^{2}$.

JOHN H. SHANNON - 478 East Hich Street - Kittanning, Pennsylvania - 16201
Hello gang. Not much doing here latelv. I have been spendin: most of my time trying to ID the TAS I have been hearing latelv. The new log gings are: $10 / 31$ - XEUN-860 1:58am. 11/1-Germany -12686:50pm, Spain-737 6:55, Luxembourc-1439 8:47pm. 11/6-Spain-773 1:09am, France-1376 1:19, Portugal-75 2am s /on \& had some EE from them $\mathbb{M}$ when I logsed them in Pittsburch. Still working on several others. Who is the station on 1124 W/AA chanting or similar sound around 5:30-6pm? Also I thought I heard Arube-925 around 6:20-5:30pm but not good enough for positive ID yet. I have also been busy w/daytime DXing w/ new ones WBT WCFL WGY WLBR WCBS. I have filled up my first RUXC ${ }^{2} D 10 \mathrm{f}$ for a score of 238 points - one short of a perfect score because I could not gut a dovtime signal on 1200. I hope everyone else is doins his part to help out w/ dhe the NrC stations as many of them return to the greataas or yesteryear w/a ouch id really like to see the old days of radio drama return. I am just old enouch to really like to see the old days of radio drama retum. I am just old enough to remember the dying days of this or at art in the early 50 , \& I enjoyed iu tre-
mendously. I wonder if ary other NRCers share my interest in oldine radio? I mendously. I wonder if any other NRCers share my interest in oldtine radio? I would be ciad to correspond. w/them. Does anyone know of any good sources of litr
erature on this subject? Oh by the woy, I am flad. to see that someone is finalerature on this subject? Oh by the way, I am glad. to see that someone is backyard, hi. We had a nice report in from Richard $R$ chman a couple weeks aco. We will be conductind PoP tests sometimethis Winter as soon as the CE decides on a datr. I will try to get some advance notification to NRC if I can. Very 73.

RONALD J. MUSCO - 16 Chestnut Drive - Windsor, Connecticut - 06095
Some DX follows from this avid Conn. DXer, as Emie puts it. 11/2- WRCP-1540 in © 4:43pm for a few minutes. Ditto WWNH-930 © 6:15pm. 11/7No chance for TA listeninr - we're expectinc in mid-Janumry \& the wife isn't fee inr so hot. 11/10- I tried for WBRG-1050 WUPR \& WYSE. Too much CHUM/XEG on 1050. Were WUPR \& WYSE on? I'11 try for WMVO on 11/17. 73 til1 next time.

JOFN H. SHANNON - 478 East High Street - Kittanning, Pennsylvania - 16201 A few new TAs lozed here at Kittaminy. BBC-1088 \& 1457 France-863, Spain-683, Portural-782. I had heard all these several times, and
finally IDed them weil enough to 10c them. I also caught TGT-1187 11/6 © $9: 49 p m$ That's it for new locgings. I missed out on the TALT due to worl. I didn't get home until 11:30, \& when I did. I found a nice HML so I gave it up \& watched IV, hi. How aboxt a couple fore tests this season on different nights to give fellows like me a chance to participate? I am keepinc active in the FDXC. I am now about half way through my second log in the NRC *D division. I really enjoy the contest, \& am hearing some of my old friends again that I have icnored latea , IVS WR the second completely filled-out log. I was glad to read in Fish's Musine that no deduction would take place for empty spots on channels like 700 \& 1200 where no deduction would take place for empty spots on channels ine in only the one domestic station. Well, I rally don't have much more to say this week, so I guess I'll getrback to twirling the dial. Very 73 and good $D X$ to all. Oh by the way, I see someone finally heard. WACB here in Kittannine. It was Dan Myers in Toledo. I didn't think their dinky 2 kw . could get out that far, hi. They are a fairly certain verifier, Dan, if ypu're interested. I still don't see many reports about WPIT. Does everyone already have us, or ain't we gettinj out, hi? Richard Richman's report is the only one I have seen since I started workinc there. Again, 73.

FRAN WALDRON - 65 Lakeridge Drive - Matawan, New Jersey - 07747
DX has been enjoyable lately. 11/8- WLMS-1000 atop w/MOR © NX © 4: c spm . WILK-1570 rose out of the mess for $5: 14 \mathrm{pm} \mathrm{s} / \mathrm{off}$. 11/9-Good AM for nns. Reliction-860 atop had to be unn XEMO. $2: 00$, KOA-850 equal w/WJW. KGLC- क) 910 a ain © 2:58 through WSBA's s/off \& WRCH w/c/w. PM, WENC-1220 alone w/rr to $5: 15 \mathrm{~s} / \mathrm{o}^{\prime}$. With Auroral-lijke CX prevailine, a pirate in NYC on 1580 , WFYI, was :1) s/o. With Auroral-1ike cx prevailing, a pirate in NYC on 1580, WFYI, we heard w/rr $5: 45$, \& the usual poor modulation. DJ called himxelf Herb Jason. DF would seem to sucgest it is based in S. Brooklyn. It's at least 15 miles away, $W / 1.2$ on the miles being water. MM 11/10-A well-timed coineidence on 1230 W/WNEB \& WITH both off. This left WCOL which eventually gave way to WJOB Ind. W/PCB \& chone talk, usually hard to copy, but sometimes nicely atop. No DXes heard, a TP was heard on 1050 for a short while around 3:15, but no ID. WFYI was back: w/better modulation (e8 8:30pm. 11/11-Good Auroral SSS CX. WPWB-1570 Fla. alone but weak in the TVI @ $5: 28 \mathrm{~s} /$ off. Then WTIN-1520 all alone © $5: 30 \mathrm{pm}$ s/off. WMOO-1550 well atop, noted to $6 \mathrm{~s} /$ off. WBSC atop 1550 © 6, gave way to much-wanted ! IUX-1550 La. w/NX, s/off, then gospel song to 6:15. Still no sicn at all of KOKA-1550. 11/12-CX not Auroral. A good surprise in WREO-970 w/WJRZ nullec $4: 24-4: 48$ \& on $w / r r$, strons at times. They must 've u:ed their nisht pattern on the DX TEST last year, as everybody then heard them $y$ orly. WFMO- 860 s/off poor $5: 13 \mathrm{w} / \mathrm{CJBC}$ 10oped. $11 / 13-\mathrm{WNCT}-1070$ strong $\mathrm{W} / \mathrm{MOR}+: 20 \mathrm{H}: 40 \mathrm{pm}$, some / off poor $5: 13$ w/ WBC 100ped.. 11/13- wN-10/0 strong w/mor +:20-4:40pm, some R 5 : 1 . (c) 5:14 s/off. That left semi-cl mX which IDed © 5:29 as WDMG. They disappearea © 5:30 pattern change. 5:32, WMIS-810 noted w/NX. KWAM-990 o/u WIBG w/gospe 1 to $5: 59$ s/orf-SSB. 11/14-WMLP-1380 briefly @ $4: 18 \mathrm{pm}$ w/WBNX nulled. WBLF-1330 w/rr to 5 s/off, WEVD easily looped out. Strong WPOWp $1330 \mathrm{~s} / \mathrm{on}$ @ Spm wiping out channel for DX. W/WOR-710 nulled down somewhat, an FF //-CBF was heard (2) 5:45pm, hed to be CKVM. V/1-CKFL-1340 in FF W/CM, WISA-1450 WIMS-1000. v/f-CHIN-15) 0

JOHN F. PINCKNEY - 2903 School Street - Alexandria, Vircinia - 22303
Hi! Muse \#l for me. A brief intro; I am 13 years old, attend 8th crade, have been DXing since 1962 when I got a three-band GE AM \& SW transistor RX. I started sending for ASLs in 7/69. DX here is aparse \& boy, do I mean it! Example on my transistor $R X$ - I am lucky to have WCFI for five minutes. Veries: $36 \mathrm{v} / \mathrm{cs}$, one $\mathrm{v} / 1$ (WTAR). I fell asleep durinc Admiral Nelson's TALT. Mr. Hank Holbrook knows how to have a fine DX session, very very fine ver ies. My best catch is unID Ohio playing c/w - it was so sloppy Iforgot the frequency. GPN's super-loop looks GREAT. Can it be used without amp? I want to

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DNVID BONS also invites an, and all DXers to his house for the traditional post-
 EnNest R. COOPER - 438 East 21 Street - BrookIyn, New York - 11226
 .
 Venezucla, w/much talkinz about Cartagena, Colombia. At 4:01 while logsing this
on cane another Venezuelan, R. Caripito, on top briefly, then under, w/KDKA's oC on/orf. WINS-1010's being off was of great help. Behind CFRB, \& almost equal to CFRB like crazy, but I didn't get to ID either. I took a log on R. Tropical-990, Caracas, which probably s/on © $4: 30$, logged $4: 33-4: 45 \mathrm{w} / \mathrm{WIBG}$ of' f , and o/R. Med-
illin, Colombia. Anybody who likes to chase LAs, there's quite a harvest ready
 heard for the first time "this century" hi w/c/w is/out w/other 1340 stations C



22 (ood O1' CPC! I'm very tired out (and my mom is yelling at
Join Jerry. Starr's eood o1' CPC! I'm very tired out (and my mam is yelling at
which also sent a very nice paper-knife; CJAD 800 Que., first from Hawaii, has had a few Japanese reports; Whar- 1470 Mich. first from Hawail \& first DX report in a long time, but had one from N.Z. several years aso kVin-1450 Cal., KPRC-9

lateliv; very few holdouts from XE-1and, far fewer than from the U.S. \& I would
verify a (written, not taped) report. There simply has been no repetition of
the bic juropean opening $10 / 27$ here. Ocasoonally a trace of WDR-1/8o \& that's
it. Details of the openine as observed here have been circulated in Brope bu it. Detailc of the openind as observed here have been circulated in wrope
the MH Circle, and it remains to be seen whether any reciprocal lote nis were
 $10 / 27$ may we 11 have been the ".."tanding high-latitude day for years. 1733 Candlestic. Apport Beach, California
It always seemed to me that my likeliest TA p
 work out that way: BBC-1214 was audible through the Auroral 12utter on 11/12,
peak stren tin cven w/WCAU splatter, 12:08-12:09am. Between 10:43pm \& 12:49am. I
had a totel of five minutes of audio, larzely badly distorted mx, in 20-70 sec
 for the tip, on ,y first IDed TA. It was an improdabile nint or it: the wi-
ore wes present; there was a normal noise level, \& ECTA was dom siighi, hon two weels aco (but due in part to stroncer QMM from the Lhs, etc.) Same other
hets, similar to those noted $10 / 25-27$ while chasinc XEs were heard, but nothin. hets, similar to those noted 10/25-27 while chasinc XES were heard, but nothin
reportable. At 12:24, I noted something (i.e., a real UFC) drectly u/ric b:
lack of solid audio precluded an ID. Estonia? Aibania? No wo; to lnow. C: may be worcenint from two weeks acco, but the skip is still producin. some


 to the insiuc back cover of 11/a DX NiWS: Have sunspot cycles becn eixec at
years? I thoucht they varied, especially back: in the old days (wen ERC starto
DXins \& Gon. Sarnoff was pushinc a wireless key on Nantucket, hi! HMOD SHICE LAST ISSUE,

