
"After 5 years with the NRC renewal in the World's best DX Club is a must. Thanks to the volunteers who make the NRC possible."
(Ken Chatterton, N.Y.)

IN THIS WEEK'S DX NEWS...
The Golden 20's - Ben Veio
The NSP Situation: A Broadcaster's View - Jerry Starr

NEW NRC MEMBERS THIS WEEK...
*Benjamin Calucci, Rio Piedras, Puerto Rico
*A. Y. Papafingos, Riverside, California
*Rogers Deakin, St. Louis, Missouri
*Albert Mariani, Springfield, Massachusetts
Welcome to the NRC, gentlemen; we hope to be reading of your DX activities often here in DX NEWS. Dr. Deakin is the last of the "missing" 4 new members whose applications were stolen along with GPN's car last November. We apologize for the delay but as GPN told his insurance company, it just couldn't be helped. . .

RENEWALS...
Woodward... Foutz... Wilkinson. .. Northup... Chatterton... Hardison... Seaver...

NOTES FROM HQ...
No IDXD Monitor Reports this week; last minute call from Foxy reports that circumstances beyond his control prevented completion of his section this week; back on regular schedule next issue. Hottest tip of the week, he relays, is the Peruvian, R. Nacional de Peru, Iquitos being heard on 1017 kHz from its normal channel of 1030... Credit Department: last week's publication session Big George Kelley, Lynn \& Cary Pall, Diane and Carlita Nelson. Composition of this week's DX NEWS: Big George, Randy Kane, \& GPN... Latest word from the Wilds of New Jersey is that the World Radio Handbooks are in the mail \& will probably have been received before you read this... High latitude cx are definitely on the up-swing; perhaps an early termination of the Midwinter Anomaly?... Phillips/Peterson: Who or what is, was, or will be Lash LaRue? Most interesting letter in from Zbigniew Ogorek in Poland; held for next week...
*GPN, BGK, RK

BGK NRC CONTROL
Since the eollapse of CX in Mid-November I hava dome little DX, however, here's what T've heard. $11 / 15$ Horby, Sweden-1175 very atrong with female announcer in Swedimh at $5: 30 \mathrm{pm}$, same Barcelona underneath, Country number 69. Aftar this date CX have been mustly poor, occasionally fair, 11/22 CJSA-1230 Qup. A/off good in Freach at 1 am. $12 / 2$ Agadir, Morrecco-1196 good with Far fast etyle mx at $4: 59 \mathrm{pm}$. 12/4 W PIK-730 Va, s feff hesrd well ofu WIt at $5: 15 \mathrm{pm}$, has been heard during the day ever sibce. $12 / 20$ WOBR- 1530 NC heard well on test at $4: 10 \mathrm{am} u / W C K Y$ OC. This was a very auroral evening. $1 / 2$ WFAC-1330 SC, good at $3: 48 \mathrm{am} w /$ D, then into MOR mx. $1 / 10$ CHWO-1250 Ont. with great stgnal at $3+33 \mathrm{am}$ w/MOR and ID o/u Pittsburgh. 1/13 WHNC. 890 NC. finally heard at $4: 48 \mathrm{am}=/ \mathrm{ET}$ ID; all I ever get at panset an this chamel is super-pent Algeria, 1/25 WR12-1550 Fia, s/off good in EE at 5:47 pra. 2/2 CHRD-1480 Que, fair at $10: 10 \mathrm{pm}$ w/FF MOR, WBEC-1420 Ma, also finally heard, at 10:30 pm w/rock. 2/7 WGB1-910 Pa, good w/CW mx at liz2 am ID as "GBI Coantry". CJoX-710 Nnd, alone and atrong at 1:30 am relaying CJON-930. CFCY-630 P, E, 1, finally heard after years of trying. Time wan It $35 \mathrm{am}=/ 8 \mathrm{ID}$, ander lots of $\mathrm{OC}^{\prime} \mathrm{H}, \mathrm{CFCB}-570$ Nhd. amazingly strong at 1.45 am with Fake Drake format. ...." "3 week.s ago today", bi, The best catch of all this morning was BEC Padio 3 eynehrenoon stations on 1546 kHa at 2,30 am with a dypamite siganl. Highest power of any of the 11 stations is only 1 kw . A quick check on 1457 revealed that they could baves sold time in Boaton thia morning: $\$ 9+20$. It has been brought to my attention that I've never introduced myself in a Musing, so to be consistent, I won't. Coodbye.

CARY PALL-.- 220 Kelton St., Apt. 18, Bosstown, Mass. 02134 or 5 Secand Musing this isesus; sorry bout that, but last aight's cx warrant reporting. 2/6 PMA: CHLC-550 very loud at $10: 30$, twas nothing compared to the fantastic sign from the Maritimen and Newfoundiand, as CBT-540 wiped out 540 on the TRF, and very posaibly the 540 Nova Scotin cenbox, all the erho effeet wall fairly pronounced when the two stas //'ed CBC nert mx. Of course, when there was no net pgrng, the icebox wall leveled by CBT's pewerbouse nignal. CX to Northern Earope wan fantastic, an BGK told above. $2 / 7$ AM showed anly twa new logeings, WGLI-1290 $w /$ rr and ID's alay WAVZ-1300 noted for the firnt time bere; sort of an E. Long IslandS. Conn. opening (take note, Cliff Reno). BGK'n log of the 1 hew GBer must have veally been a thrill, cungrath an that one: Cher recent DX feata ineluale CHRD-1480 on $2 / 2$, HJCN-1100 on $11 / 15$, CBNM- 740 on 11/9. Only TA's this suasua were Portugal-665, BBC-647, WDR-1586, and Dakar-764 with decent slgg. Haven't really gobe digging, tho. Hopefally, we'll be able to pall in a few more bf the seasan ends. By the way, KNBR bombin in un 1-80 in Pa. on MM'A. Don't forget to keep a finger on the dini, hi, 79 gates. =
2. Senvington Saenwosth deoided not to join the MC OFC, Last sect 2. Eensington Sabnusetth's roceivet rent ip in anoke. Does this tell you something? Join the INC CPC, site Jowny Slove for oll the info.

## 5PECIALs

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we hope that WWA wil not mean thia progran up a after being allent at thin hour for the lant couple of years, lo and behold they vere or latt Veet. Ve'll drop s mote to Wivs beertige then to make way"for this brand nev itation. Marse Code Iny, toens, marcher, and vaice IDE. Donild Povers, C.E. Hiss moders.

UEEZ $=1590$.
The vriten-up sppenrei last Weok, but reandoer, thil Tentared our (NW YRC budty, Dsve Schaidt taking non-bollect phone calle, sud avarting apecial prizes. Seed reparte to his at WER2, 3500 ESpotont Aveove, Charter, h. 19015. EAVE scancre.

 1161. They'II be tenting thedr bev equigivent, snd using Moddle-
 of-the-losed aisio snd quele tones, sad Im, of charse- Addreser
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 tege of this sa they ecoduct equipeent teste on this silest dny for the two 1540 giante. Res in Masina my bother some Muterners, thouedi. They'LI use Topa0-type music and Voice IDe, There is in thance of a stand-by by 2xis. Send your reports to the Gutef

 ector, MirM, Box 469, Soldotan, Alaska. If meacey serves ear
 Vermos, Wabilniftoe. We eot the info froen the WHRC vis IFCh, sas have bo direct info se to whit sort of progme it'11 te.
 We belleve this in Feb. 21 , as their rapalare frequency eheck is on the third Monday at the bpectified thes. A anrd recelved here frce "WTY" of the Fhenh Alert



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1400 K D R Q Hov 1,000/250 U-1 \(\quad 1540\) if B R Y Br-4BET
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GEORGE B. SHERMAN - 104 Pinewood Circle - Rosemount, Minnesota - 55068 Great DX of MM 12/27! HJDP-1020 R. Colosal e 12:45 fair w/KGB KGES nulled; XEAO-910 w/ A-0" ID e 2:30; sounded more like 5 kw than listed 250 w KOMO-1000 Seattle w/local NX mentionimg Bellevue e 3:57 poor u/KTOK/XFOY; WKJB $710 \mathrm{P} . \mathrm{R}$. surely the ane $\mathrm{w} / \mathrm{SSB}$ e $4: 15$ poor $\mathrm{u} / \mathrm{QRM}$; WLCY/HTOB-1380 OCs IDed e 4: 20 good w/KRKO. SSS on $12 / 28$ was KBEM Mo. s/off QRMing MGAR © 6. 1/1- A new year, a new station \& a new country as I heard R. San Pedro-850 Honduras e 1:01 good w/ KOA nulled; KJIM-870 Tex. u/WWL e 6:33pm; KFSC-1220 Col. w/SS till EE s/offe 7: 02. $1 / 2$ brought more good SSS w/additions of KUOA-1290 Ark. e 6:30 s/off o/u KOLL; KSTR-620 Col. through mess e $7: 15 \mathrm{~s} /$ off $\& \mathrm{KRRN}-800 \mathrm{Col}$. s/off e 7 o/XELO CKIW w/mention of polks \& c/w format. NM $1 / 3$ wes another good one w/wkBR-970 N.Y. briefly atop WWSW e 2:55; WCAO-600 Ma. o/all w/rr e 3:30; YVOZ-1200 FInally e 4: 23 during WOAI SP; KDRG-1400 Mont. testing new 1 kW XR e $4: 45 \mathrm{good} \mathrm{w} / \mathrm{WDJZ}$; WKVA-920 Pa. s/on-SSB good e 5:30 spoiling possible WJAR which would be a new state. MN $1 / 10$ mast've been the best in years as I counted 25 TA hets! WBAT-1400 Ind. was rather poor on $D X$ due to local KEEY (ex-MMIN) who is now NSP-Mor. Portuga 1-782 shocked me w/good audio e 2:50 during WBBM SP. KING-1090 fair w/rr u/KAAY OC e 3:12; CFJC-910 B.C. good o/a11 w/ma e 3:55; KFXD-580 Ida. o/u CKY w/rr e 4:05; CBNM-740 Nfld. s/on e $4: 29 \mathrm{w} / 0$ Canads, province 7 ; KBIG -740 Cal . OC, ID e 4:43; CRN -640 Nfld. u/KFI \& $/ /-740$ e 4:37; WINR-680 N.Y. good w/no QRM \& rr e 4:50; CFOS-560 ont. s/on e $5: 45 \mathrm{w} / \mathrm{KIZ}$. YVIX-570 noted fair o/WFAA e 5:05, 1/11, during WKBN SP, while I was looking for WMCA which does not exist, hi. 1/16- DX includ ed possible HTBE-1180 g/off $\mathrm{w} / \mathrm{march}$ e $1: 25$ after "tropical"mx \& this is their reported s/off time, but not counted as not IDed yet. After giving up on 1180 due to $\mathrm{KSTP}-1170$ slop, I tuned to 1040 \& was surprised to hear PRG2 w/MoR till 1:45 ID as "R. Tupi, Tupi, Tupi". Then they faded u/R. Tropical. Country \#33 \& best foreign catch in some time/ There'll be plenty of good foreign DX here soon as I just bought an $\mathrm{H} Q-129-\mathrm{X}$. 1,351 heard. $73 \&$ good DX .

BIAKE LANRENCE - Box 803 - Canon City, Colorado - 81212
Many an issue has passed without a Musing from this once-weekly Nuser, so it's time to change all that. A Realistic $T R F$ received before Christmas has halped $D X$ considerably because of its ability to null, \& its sensitivity. I have beard three new countries (Costa Rica - TIHB-700, E1 Salvador - YSS-655, \& I have heard three new countries (Costa Rica - TIMB-700, El SAlvador - YSS-655, \&
Surimam-725) a long with other goodies like TGRT-664 WSUN- $20 \mathrm{HJJX}-770$ CMCA- 330 \& Surinam-725) along with other goodies like TGRT-664 WSUN-620 HJJX-770 CMCA-830 \& $\mathrm{f} / \mathrm{c}-\mathrm{TP} 82: 05 \mathrm{am}$, a new $\mathrm{r} / \mathrm{c} 3$ 12/31brought YND-675 1:10am. KOFH-580 S.D. came
 In w/IDe 6:30pm $1 / 2$. $1 / 3-$ KLIR-1500 ok la. in exicans XEBU-620 \& XED-590 came in on $1 / 7$ © $7: 18 \& 7: 35 \mathrm{p}$, respectively. Net. $2 / 10$ Mexicans XEBU-620 \& XEFD-590 cawe in on $1 / 7$ ( $7: 18 \& 7: 35 \mathrm{pm}$, respectively, $2 / 10$
Two TEgTs were heard this AM: WWJC in very well © $2: 31 \mathrm{w} / \mathrm{MoR}$, an ID, \& a TC; and Two TEgT's were heard this AM: WHJC in very well a $2: 31 \mathrm{w} / \mathrm{MOR}$, an ID, \& a TC; and WAT-1400 fair v/TT \& CN IDs 8 3:09. I vas rather surprised to hear WAAT. on $1 /$ 11, I heard KIKZ-1250 a/off 8 6:59pw w/SSB. Mucharanted KJCX-1420 Kan. came in $1 / 12$ e 6:12pm. 1/13-Station $\# 900$ was heard in KROE-930 Sheridan, WyO. .w/NX at 6:53Am. It geems after I passed 900, several of mu muchmanted etations started pourling in. Emmplea: on 1/15, three lang-desired stations, KINA-910 (e 6:20pm), KPMJ-1050 (e $6: 28 \mathrm{~g} / \mathrm{off}$ ), \& KPSY-1230 (e $7: 10$ ) were finally heard. Kqualiy longw sought KEKY -1190 Cal . heard e 7:2¢pm $1 / 16 \mathrm{w} / \mathrm{rr}$. w $1 / 17$ had two good surprises: First, WHEX-1580 heard on very end of TEST giving what aomded like a/off \& ailing addreas over the "happy Diy" wx e 3:59m. Them, WTA B-1250 in fair e $4: 36 \mathrm{w} /$
 -KVMC-2320 Tex. s/orf-SSB E 7:02. Roger Winsor: Your 1050 GSQ mentioned in the $1 / 22$ edition could very well be GNB, but I'm not absolutely certain. ERC, what doea "FC" stand foft il how it's French-aosething. (Right, Blake- French-ann-
 les on station clasifinations and $n X$ nosta fois. I woula like to see more of particularly the latter, as I'm interested in old radio. An interesting note:
notes-The CE at local KRIM-1400 told we that wile he worked at KAMM-1450 Alaska (a mighty' 250w) they received a report from New Jersey: That's pretty bard to believe. 73s. (I'd love to see thet report - ERC)

## BRUGE WINKFIMAM - 1404 Alumi Place - Lawrence, Kansas - 66044

1/28. Greetings once agin from the frozen mastelands of kan gas! More DX from Ellimwood over Christmas break: 1/9-WOKZ-1570 v/s/off e 6:1 pn w/plug for FM outlet. 1/12-WCLS-1580 v/ID © 5:11sn; WRCA-1470 w/sion playing dxie e 5:30am. KPMS-1360 a 5:46 w/Comundty Bulletin Bcard, good and 601id for irs 1 kv ; WDG-060 ID heard 5:55am; CDNI $900 \mathrm{w} / \mathrm{ID}$ e Gaw. 1/13-WIDG-940 w/r/c, (3) 12:03aw, then IT, very glod, no sign of KIOA. DX from Iawrence on Hy trusty Sany portable sitting next to the is the station at concordia Seninary in St. Iouis. 1/27-KwHG-2500 w/ SSB. This is the statica at concorma suickly dropped down but s/off still barely ax, ID 6 6:27pmat a fair level, then quickly dropped downing the last ferwekks of there 6:28-6:30pn v/SSB. That a the extent of ay ix during the last fermank any note. It am starting a new log from here in lawrence this week \& mony cian and locale logegh so far so nothing exciting to report. Apologies Dep t.: Io yo auch value to you. I called HQ \& vas informed it wouldn't make it to DXMENS in time but I didn't get hold of Plash Alert earlier due to the press of enroliment last week - sorry. Super-peat KXEL vould make it tough anyway. 363 heard from Ellinwood, likely to be 回 maximum from there as I will be moving to Kansas City this Sumer \& want a freah start! DX NENS would be a bargain a twice the new rates! I will sead in my renesal toaight before Kansas U. tries to take it away frow me! 73 \& boma IX.

JCSEPH MAFKBNICZ - 1394 Elgin Avenue West - Wimipeg, Manitoba RBE 1B6 "One network that not too woch is knom about is the "Conterpare ary News Hetwork," The key station in Western Canada is ary Innipeg, which get the accurate ness faster than Winnipeg 's other adult radio (that's ane of CNY': promoa). Anyway, here is a list of the Coast-to-Coast stations: CKPA Victomia; CKX: Calgry; CHAB Moose Jaw; CKIG North Vancouver; Ciled Eamonton; CKY Winnipeg; CFRA Ottawa; CKBB Barrie; CHER Sy mey; CHIN Toronto; CKPR Peterborough; CFOX Mon treal; CJCA Balifax. I've heard CFRA give a Coast to Coast canadian ID but the other staticas don't seem to. The above list was aken from a calling card or you could call it a business card of Bob Iamll of CXY so it should be accurate. Sobe people have been wondering if verifles. I asked this question to somecne who works at CKY \& he said "CKY does verify. However it does not verify every Tom Dick or Barry who sends in a report." Now you kno what CXY's policy regarding reports is. Even though CJOB has installed a new XR I don't think it improved their coverage area that nuch. Berose $\operatorname{cJOB}$ put in a nev $X R$, both KPRZ \& KNBR were easy in CJOB $s$ null. Now CJOB is very casy to null \& may new etations have been making an appearance on 680. Also KPEQ is causing CJOB's signa is to flutter at times, right here in Winnipeg. I'w not tize conly one who has noted this. It is interesting to see that WDGY can still bowb out KBR during the day. Comparing KBMR sigmals w/KFYR's I've concluded that KBMR aounds more like lky than ten. KFYR could be passed off as a local here during the day \& night. Just the
 stronger than weak XERF \& stronger than a lrdady strang XEDM. Are they really 500w at night? Don't tell anyone but they were heard on a ten transistor portable. I start writing my exas on $2 / 24$, so not much listening done. 73 .

MKE SCHEkSI - 5005 South Utah - Davemport, Iom - 52804
short intro. Him $18 \frac{8}{2}$ and go to West High School (I graduate in May). I used to use an Electro-Rrand 14 transistor portable but it got dropped five stories and Wann't much ledt to it. I have now a YS-60 six transistor. Anybody know its man yafoctures? It looke like a small TV set. Antennas aren't my bag, seems like I'm placing then twice a day, Right now I'm using a $10^{\prime}$ length comnected through an anteject, I plan to get a casette recorder because I never thought to use one as a
ontinuous monitor. A rehash of 1971 - I started the year with $206 \%$ ended with 398 (sob!) Maybe I break 500 before the year's out. Recent DX: it rolls in: 1/21- WKYZ-1250 e $12: 58 \mathrm{r} / \mathrm{c}$, UBEX-1260 after WIBV s/off w/r/c e $1: 05$, KABR-1420 e $1: 25 \mathrm{w} / \mathrm{TT}$ \& WLETM 1420 (3) 1:30 ID as WLET, Georgia. $1 / 22-$ WVOM- 1420 Iuks, Miss. W/
 6:05ps sss w/eporte results. KFMJ-1050 Tulsa, QK E 6:30 a/ore w/mention of FM erfiliate. It was no go on $1 / 3$ TEST on KUPK but $5: 45$ s/off, after KFMJ vent off I heard SS $\&$ thought of XEX but heard the s/off. SM $1 / 23-$ a failure, except for infrequent KNBR. 73 \& a happy 1972. (Welcone to the NRC's kusings corner, Mike - ve hope to hear froa you soon again, but please double-space3? -ERC)

KEITA BIRINTMAIR - Route 1 - Box 44P - Rockton, Illinois - 61072
oid you ever try to type a report in the dark? I vas sitting here ten minutea ago typing one to WRIN-910, when the lights went out. This an 1/24. A brief deacription of the WX. It has rained mach of the day. It is now belor freezing. It is inposaibla to malk safely on the road. I know $-I$ tried. And on top of all that, a Lowpr wind from the $W$ has come up. Nice. DX: 1/190 I logged WXCTh-1350 w/lots of ads 9. KIOU-1580 w/WX (thumderstorms a I heard "emp, \& heavy Ir, 10:57. 1/20- I logged WIXN-1460w/Mor \& ads © 5:19pa. KCTA1030 in w/Bible program \& $6 / 0$ ff $\operatorname{e} 7: 03$. KLFA-1010 heard w/ight rr 7:11. KRID-
 100ps SH, XBJ? Times, $10: 04$ \& 10:09 respectively. $1 / 22-$ Good $F M$ for s/offs, all 1580. KAMI Hebr. B 6:30. KITR Ckla. © 6:42. KPIK Col. 7. Still 1580, not s/ offs, though - KIOU Ia. w/hard rr o/a WCIS, which had 1iget rr. Both reported. Those two © $7: 15$. cioK-1070 heard w/ilght, rr e $10: 45$, rare. XEA BC-760 u/WJR $11: 35$. KFMG-740 heard for flirst time e 11:38 w/address given twice. 1/23-WRIR 910 heard $w / 11$ ght rr $2: 37 \mathrm{am}$. GxCy- 920 heard w/standard rr , a peat that wan't verie. Tine, 2:57. XPR-1030 had definita R . gtandard rr, a pest that won t
 was a "cumbis 2" This E 3:39. WIMA-1150 heard W/NX \& WX 8:03. WINN-1240 heard
 of
 SS, on 800. KNBR-680 in very vell y/ MoR \& FX e $3: 30$, SS, on SS © i. In heard in very well w/Mor \& NX e 3:30, unn. Next, caNP-670 tentstive, SS 4. 1. I Hichly of the 1020 in
 QH, poor log. WhRL-1600 heard agin, domimates nights aftet KCRG g/off. THme, 4:50. WDES-15100 heard, Ins as the Big Dee, © 5:28. WFBC-1330 again, I got log
 W/high style wr, IDed as "eh-kees eh doble-voo" - where's the A in XIWA? Winds now up to 55 MPH , house shaking, no school, mybe? 73 s .
RCN MESDEN - 7 Blueberry Hill - Groveland, Massachusetts - ol834
On $12 / 7 / 71$ I went up to kvans Padio in Bor, N.H. I bought a uaed Fammalumd HQ-180AC \& brought it home \& gtarted in DKing as socn as possible. I put oft about 150' of copper wire going $W$. Stations that $I$ have received since then are as follows: WACB-730 WHCU-870 WHYL-960 WHM-1100 WLCY-1380 (On an EF) WNDR-1260 WLKW-990 (for a 50 Kw station it is quite difflcult to receive, directionai S), WRCH-910 WKDR-1070 WKLX-1350 \& WOGO-1550 on their TKST. I have received quite a few locals I had been trying for. Verifications are coning in at a mediun speed, about $45 \%$ of the reports have been verified. I am sending out $f / u p s$, about cne a week. I lost about two weeks ${ }^{\prime}$ time 1/4-1/17 because my seleetivity was slowly going on my set. I had to take it back up to Evans to have a tube replaced \& to have it lined up/ The rough part of the school year is up now so maybe I'li get a bit more Dxins done. I got accepted to Alderson-Broaddus College dowa in Philippi, W.Va. I hope they will let me put up some kind of an antenns dom there. Good Dxing.
deadidne is evmry thunsiay for misings. please do not fail to double space yaur REPORIS TO MUSIIGS. KMADY THCILDE ONLY DX AND IX-RETATED ITENS IS TEMV -ERC

## INTERNATIONAL

 DX DIGEST ROROAGOMONREPORTEDLY IN OPERATION

Madeira Islands. CSB91, Posto Emissor do Funchal now operates with 1 kw and a $150^{\prime}$ antenna; a new improved antenna is expected to be in use very soon not already employed; a power boost to 10 kw is in the offing when funds become available. (Ogorek, Poland) Note: EDMUNDS, TAYLOR, AND DANGERFIELD. (I've been after this one for about 6 years now and have never even had an SAH with Vatican; very likely both a power boost and antenna improvement - this is now the best bet for a new country for almost all of us... Editor) On 1529 kHz

South Korea. The following stations are not included in the 1972 WRTVH: HLAS$680,10 \mathrm{kw}$, Seo Hae Broadcasting Company (SBC); address Jook Seong Dong 44-2, Kunsan. HLAA-1220, power unknown, Choliru Broadcasting Company, Kwangju. The KBS station HLCS, Sokcho, has moved from 1570 to 1170 and is heard with very strong signals in Japan. Presumably a substantial power increase; said to be beaming programming to North Korea and has been heard in Sweden so may well be highly directional. South Korea is still jamming broadcasts from the North; strong jamming noted in Tokyo after JST midnight on 625, 695, et al. (Lars Ryden, Japan)

North Korea. Continues nightly broadcasts of figures (code), read by woman announcer. Hrd after JST midnight on several N. Korean MW frequencies such as $655,695,735$, etc. (Ryden, Japan) One percent instructions for North Korean intelligence agents; $99 \%$ random garbage to keep NSA busy... Ed.

Tahiti. Tahiti on 740 announces as 20 kw . (Pete Taylor, in the South Pacific)
Bulgaria. A new station is heard in Sweden on 762 kHz ; no further info. (ARC)
Gabon? Arctic reports reception of a West African supposedly identified as Gabon on 1416 kHz . (ARC) Perhaps indeed Gabon (unheard in North America to date); also possibly mis-ID of Bamako, Mali, also currently operating around this frequency? (Editor)

India. The EBU reports an unid Indian station on 725 heard at local sunset; no further information. Split frequency Indian stations are most important since the offer the only chance of reception here in North America; the last time EBU reported an Indian on 725 it turned out to be SRS in Surinam in Hindi; we had to set the pro's straight, to their considerable embarassment.. . This one looks o. k., though, since there's no chance for a Surinam-Europe path being open around European locan sunset. Any more information? (Editor)

CLANDESTINE \& Otherwise...
"Voice of Greek Democrats Abroad". On 12/21 the pro-communist clandestine Greek-language station, the "Voice of the Truth" broadcast the following : "The Voice of the Greek Democrats Abroad broadcasts every Tuesday evening... on 998 kHz from 2145-2200 CET... directed mainly to expatriate Greeks in the East and West..." Hmmm, the closest high power Russian transmitter to Greece is Kishnov, Moldavia on $998 \mathrm{kHz} .$. . Such subtlety... (Editor)

## THE NSP SITUATION 2 A BROADCASTER'S VIEWPOINT

Jerry Starr
HHOT Radio
Youngstown, Ohio
In recent times a great deal of hue and cry has gone up within the DX community concerning stations operating on a No-SilentPeriod schedule. In recent months a number of NRC and IRCA members have suggested writing to stations asking for silent periods for the sake of the DXing hobby, a few have even asked members to write to the FCC asking them to require silent periods in order to preserve the hobby. While one can understand their zeal toward such efforts, remember that there is always two sides to every story. Having been a DXer and broadcaster for the past 18 years, I feel I am qualified to speak on the subject in a fair manner from a realistic standpoint.

The first thing to consider is almost a fact of life: NSP stations Will always be with us. Iike it or not, that's the way it is. Even those crusading for letter-writing campaigns must realise in the back of their minds that NSP stations will go right on with their schedules anyway. Now before you start calling them names, let's look at it from their side. Let's deal in facts.
There are, at the most, a thousand meduim-wave DXers in the country, probably half of these are what would be called "active" DXers. Out of 180 million people, this is really a tiny part of a percent of the people served by the broadcasting industry. With less than 4500 AM stations on the air and less than forty percent of these holding full-time licenses, that's really not a great number of stations for the population.

One argument is "Nobody really listens to radio at three or four o'clock in the morning" but this is just not true, llany people get up at 5 in the morning, many get home at 5 in the morning. Anybody living in or near any city with industry knows this. Any metropolitin area has people awake, going and coming at all Any metropolitin area has people awake, going and coming at a most television stations off the air at that time, radio becomes their only connection with the outside world, their only source their only connection with the outside world, their only source industrial worker driving home after working a late shift at, say, 3:00 AM. You turn on your car radio and there's nothing there. Get the picture? Suppose there is some sort of a national emergency, you hear the sirens and turn on your radio and there's nothing there! It could happen.

Now look at it from another angle. It's Monday morning and a handful of DXers are trying to hear something through WCCO, for example. Wouldn't it be foolish to believe that there aren't more people trying to hear WCCO than those few DXers who are trying NOT to hear it? Think about it. And in the case of the higher-powered stations, people in the rural areas who DO get up very early in the morning count on their favorite station being there. Whether you want to admit it or not, NSP stations ARE offering a service to their listeners, listeners who number many times the DXers in a given area on a given day who wish the station was off the air. A station's primary obligation is to serve the people who want to listen, the regular or steady
listener, rather than the small number of DXers who think the station is a pest. If you think that people aren't listening to any station at any hour of the day, you're wrong. Stations that air commercials or announcements inviting listener response in the early morning hours find again and again that people ARE out there. Again, it's a fact of life, sad but true.

By this time, I imagine some of you are thinking I'm one of the bad guys for saying things in favor of NSPers. Well, being an avid DX fan, I've sat up and called a NSP station names just like you have, but being in the broadcasting business $I$ also can see the other side of the coin. Sure, I wish whot would go off the air once in awhile, I'd like to hear something else on 1330 , but I also realise the reason it is NSP.

Now for the letterwriting campaign. I"d be willing to bet that if DXers wrote letters to a thousand stations asking for silent periods, the results would be zero. while some stations agree to standiby fur short periods for a DX special on their frequency (a'la WHN) it is doubtful that any station would permenently alter their NSP schedules in response to DXers letters. Stations just don't work that way. Such letters would be viewed with thoughts ranging from "That's interesting" to "They've got a lot of nerve". The only result I can forsee for writing such letters is antagonism. An NSP station friendly to DXers, the ones that take the time to answer with veries, might decide "the hell with these guys". In fact, this has already happened. Stations with NSP schedules are on the air to serve their listeners or to make some money, usually a combination of both. Let's be completly realistic about it, while YOU think the DXing hobby is the most important thing you do with your spare time, to a station DXers are an insignificant minority, another fact of life. Call me names if you like, but that's just the way it is. If there were a hundred-thousand DXers, things might be different but that just isn't the case.

The best advice I could give about NSPers is: Learn to live with them, they'll be there whether we like it or not. They are a child of our times, a 24-hour-a-day society begats ?4-hour-a-day stations.

If you still want to write letters, try this: Mrite to NSP stations and ask when their next silent period is scheduled. Even "NSP" stations have occasional silent periods, as you know. A station would probably be willing to tell you when they are off the air, even if it's only once-a-year. This information would be very useful for DXing purposes and in scheduling DX tests. Try it.

I hope I have shed some light on the NSP situation. This isn't an endorsement of NSP schedules by any means, I'm just telling it like it is. 73 and Good DX!


Elltan:
P.f. Btannti

Greetings. With this issue, we can safely announce that we're caught up again, CX have been strange, w/ things going from dead to noisy, hi. As not much to note here, we'll move on into DX:

## 1/5's

JANUARY: 1st SA: VSNN-1550; 2nd WM: KDTH-1370; 3rd FH: WSCM-1290, WFOY-12LO; 3rd SA: KSRC-1290, KCNI-1280; Last of Mo.: KQWB-1550.

NEW CHECKS: 2nd FH: WTOR-610-CT, $0030-0045 \mathrm{w} / \mathrm{TT}$ (per stn, via RjE) 3rd TU: WGTN-1400-SC, $0050-0105 \mathrm{w} / \mathrm{TT}$ (Per stn., via Boyd) 3 rd MM: WHON-1150-PA, 0430-0445 w/ TT (Per old Iist, still good, via Kureth)
WISL-1400-AL, 0300-0315 w/DT (Per old list, still good, via Winsor)

## call apalications

1470 Broadway-Timberville, $\nabla$ a CP req. WBTX
I changes

+ I400 KEEY-iN ex-inHN
+1160 WAXC-NY ex-WHEC
+1510 WHPA-PA new call, Honesdale CP.


## daylime

940 NINE-CT Off $1 / 25$ 1300-1600+ due to hish winds, power failure. CBM
(inke Collins, Stratford,CT
Hrd 1/23 w/TD 1330, MoR o/WHLW. Has nice sound to it. (Tom Sundstrom, Willinsboro, N.J.) Hrd daily here o/v

1240 WGBB-NY Off $1 / 251315-1415$
0 WGBB-NY Off $1 / 251315-1115$ due to winds, pwr. failure. W/WCO nulled, pulled $\operatorname{HOCB}-$-Kass., (Collins)
WOCB-MA Hrd w/ WBB off w/ local nx, Ae logo, IH00, then Ior ( $\because C$ )
1380 WTVR-VA Finally ID'ed as unID u/local WAYB 1/22 H00 (Joe Kureth, New Windsor, ifd)
Illo WhT s-itu Hrd $1 / 30 \mathrm{w} / \mathrm{nx}$ 1255-1300, TD, psa's o/wDOV w/ loop (TRS)

## sunsel evening

1220 CKSM-QU Hrd $1 / 71900 \mathrm{w} / \mathrm{FF}$ pgrm in null of icar (Leo Alster, Ranway CJSS-ON Hrd w/ nx, wx, rr I/7 1903 in/out w/CK3i! (Alster)
1500 TGMF-iV Krd $1 / 301620-30 \mathrm{w} / \mathrm{HoR}, 1630 \mathrm{psa's} \mathrm{~A}$ ID o/NTOP w/loop(TRS)
1540 URGM-TA Hrd w/ ciaw o/u WDON aliw, WPTA rr 1/28 1706 ID (RjE)
1550 WSER-:D In briefly for taped ID 1657 I/25, never bl hrde SSS ( RjE ) WYOU-FL In well atop channel w/ s/off $18001 / 25$. (RjE) WSAO-MS Hrd s/off wk u/WMOO SSB $1 / 251815$ ( RjJ )
WMAMNC In/out W/ WBA,TRIZ W/ of $1720-30 \mathrm{~s} / \mathrm{off} 1 / 28$ (RJE) WPKY-NC Hrd SID, voice ID in mess 1712 1/31 (RjE)
1570 WNCA-NC Unn., but in well \& s/off for tape $1728-29$ 1/25 (RjE) WYTI-VA S/off hrd $17301 / 25$ in/out w/ others. (RjE)
NLSC-SC Hrd w/ nx, ID $1725-281 / 31 \mathrm{u} /$ CKLY (RjE)
1580 WSRF-FL Did not change pattern $z$ power on time $1 / 25$. Per ERC, cut 29 mins. late at 1814. (Rjii)
WILA-VA Hrc w/ soul mx well atop channel, ID s/off 1800 2/. (RjE)

* Toungstown is encountering a strike by emplojeees and is now going off at 0000 LAILY. Check this on M's EC'ers for MAX \& other goodies. Jerry sez indications are itlll be a long strike.....


## midnight to sunrise

830 WHYC-NY TT \& ID $0035 \mathrm{I} / 25 \mathrm{e} / \mathrm{w} / \mathrm{WCCO}$ (JEK)
850 WNJC-IN TEST copied fair u/KOA OC 0200-0230 1/10. KOA on thru entire test w/ tones (Paul K. Hart, Ft. Worth, Tx.) Iy strong M: 1/24 most of Af, NSP? (Dave Schmidt, Wilmington, DE) $*$ Yes - RJE
Finally a satisfactory tape, copied info on contest 0207 $1 / 17$ (PKH)
950 KDSX-TX On AN $1 / 17$ announcing 24 hrs . Called, are NSP. There goes another $N$ freq. ( PKH )
WPEN-PA Noted off 1/2l HM 0100-0500 (DS
950 CHNS $-N S$ Noted off $1 / 4$ (DS)
ery strons 1
WONE $-0 H$ Hrd briefly $1 / 240347 \mathrm{w} / \mathrm{cow}$. Rare in these parts (DS)
WILK-PA S/off noted 0025 MI $1 / 31$. This is apparently something new. (RjE)
KFNB-Ch Unn. but well hrd $01461 / 17$ in WSIX mull \& $u / O C$ of unID tester. First time since WSIX NSP. (PKH) (PKH) $10 \mathrm{KHZ}-10$ Noted off $1 / 17$. Strons TT there $0130-0245+$, suspect this. WTET-III ET/TT 0200-0240+1/31 (Starr) ** So that's who it whz w/ PoP-type thing. Looped that way, no ID's 0030-0130 (RJE)
1 ne0 kJBS $-C$, Vy strong $03581 / 24 \mathrm{w} / \mathrm{nx}$. (DS)
1150 WRKd-7X Bombed in on ET 1/17 0130-39 w/ Ciw, ID's at beginnins and end of test. (PKH)
1250 VDAEVL AN $1 / 17$, must be NSP (PKH)
1260 एनM-ए1
ET'ing 0345 I/17, then normal s/on 0500 ( PKH )
Hrd $1 / 22 \mathrm{w} /$ end 20 "ripon Jine" to 0000 ID o/u local W3UD W/loop (TRS)

Good battle o/u WTAE most of AM $1 / 24$ (Wes Boyd, Youngstown, ) Hrd $1 / 22 \mathrm{w} / \mathrm{sx}$ ending 0009 , ID, asain ID \& TC 0019 (TRS) Is ON MM's. Hrd w/ RS-sounding pgrn top-40 ish 1/24 (Boyd)

ET w/ cicw $0215-02201 / 12,2$ ID's, then abruptly off (PKH) S/on $0500 \mathrm{I} / 24 \mathrm{u} /$ normal WAOK. Call sez SP will be reduce to once per month when moved to new $X$ s site in about 3 months. (PKH) $* *$ Thatll mess up the best in freq. going, so hit 1380 NOW... -R.jE
WTOR-W Hrd testing $0430 \mathrm{i} / 2 \mathrm{~L}$, , OC voice ID's (EKH) Our OC "friend" is apparently this/ hrd an ID almost mocked my ear of'f. (Boyd)

1420 WHK 0 OH Off M1 $1 / 24$ (Boyd)
(Boyd)
ird to 0100 s/off $1 / 24$, then only KTCE-TBS to past 0400 WBSIMM Hrd w/ def. WBSW ID $0055 \mathrm{w} / \mathrm{TC}$, YoR. Call change?? (TRS) ** This musta been an error, as no notice of proposed change-Rj] //// Hrd 1/31 above.
1430 KTYN-ND DX YOT HPD : CKFH dominating. 50kw jet?? (Yes-2jE) WMJR w/ TT's too. Nk. MT hrd 0316 thru Whid OC is break in parge of CKFH. (TRS) IMT HRD here. TT's hrd during sked. time but also bl \& after. (Starr) isf Maybe you had TMJR-IjE TT here $1 / 310120-0200+\mathrm{w} / \mathrm{no} \mathrm{ID} \mathrm{v} / \mathrm{NA} 4 \mathrm{~B}$ \& $0 / \mathrm{CKP}$. TT or het from Cuban? (TRS)* Believe the latter, as hrd here earlicr - RjE
WROK-IL Copied ET 0515-1/17. Call sez testins irreg. this time. (PRA)

W/JPI nx, local wx \& Top 40 0133-36 \& 0158-0202 1/26. AN-6 now?? (Boyd)
 0325-35. Bits of Kerx behind. (Boyd) WPIX-AL $\mathrm{ATH} 1 / 31$ on $\mathrm{IT} \mathrm{W} / \mathrm{TT} 0150 \mathrm{t} / \mathrm{in}$ - $0220 \mathrm{w} / \mathrm{ID} 0201$, atop WPrX-AL DHD-03 Copied first time in PS 0430 1/10 ( PKH )
 WiOLTETI ZTTTT 0150-0200 w/ TD 0200, (TRS)


## Hrd s/ofi $0300 \mathrm{I} / 24$ o/u TOGO DX. (IS)

$1030-1 / L$ nit here $0300+$ v/ 84 watt PSA. (DS) Ard $0300-0402$ I/24 w/ ID' every for mins. Deaks $0 / 59$ on beverase, great sig for only every few mins. Deaks o/se was DX TEST (Starr)*Part of that 250 watts. Fom 84 latt PSA - Dje /// DY hrd both on 250 time they were on $04 / 0 \mathrm{C}$, TT, many ID's. WILL TEST Aûat \& 84 watts 0310-4 is/ cil (Marc DeLorenzo of Trank Waldron, 2/28 0200-040011
yann , 'call sez sE will probably sked. a res wh lst or ?nd Tue. A: of month. (YC) a reg ET 1st or 2nd Iartin album 1/27 0216-24 (Boyd)


## II 1550 WVAB-VA

Thatis all, folks...
Now, if I may, some suggestions to Western CPG'ers: Really rough EC logs are Ore. Ida, WYO. How 'bout some tests from here, such as:

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\HJJ-1080, KNT-750, KSRV-1380 for Ore.
    KGEM4-1340, =or Idaho
    :C30-1530, KND-980, for Nyo.
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Those would seem best from the Zast. Other zood bets from GPC from rough states: KS00-1140-SD, KSCX-1h80-2T?
For WC'ers needinf Easten states, I'm trying for another $\operatorname{RAR}$, 1510 -iv test, For W'ers needinf Easten states,
and I'd appreciate other sug jestions for Del., R.I., CT., tho' the latter and I'd aporeciate other sug ${ }^{\prime}$



I thoroughly enjoyed reading Gordon Nelson's treatise "Down to Earth Grounds" describing a splendid ground system for your receiver. The January 22nd issue carried a most interesting report from Ray Moore on the late Ollie Ross' ground: four feet of copper tubing and rock salt!

For those who may be interested I have been a DXer for some 49 years but not continually active in the hobby, have been an NRCer nearly four years; I'm retired and in my middle sixties.

It was my good fortune in the early twenties to become fascinated with radio. How many can remember these old call letters- DN4, AMB, PWX? Perhaps just a few old-timers. It was great, fellow DXers, twisting the dials in those days. There was no R.F. pollution then, no disturbances, no manmade noise or static as we know it today. Every radio station in the San Francisco bay area would sign-off every evening for a half-hour between 7:30 and 8:00 PM in behalf of the DXers!

In these early days interred Ford radiators, copper washboilers, dead B batteries and other metals were used for radio grounds with varying success. The water-pipe ground, the gas-pipe and the steam-pipe are merely hitching posts for electrical devices and should always be avoided by the serious DXer due to their high resistance. For those who are using the above type grounds I suggest you peruse GPN's reference on this subject in the November 27 th issue of DX News.

During the early twenties I lived with my family in a hilltop home in Piedmont overlooking the San Francisco bay. Our location I felt was ideal for reception. I was sort of crank on antennae so I engaged an amateur operator in the neighborhood to assist me in installing the aerials. Three separate long wires of varied lengths were put up at different angles. Later I acquired a Radiola loop. Does anyone remember them? The next phase was a good ground. Let me relate the story of my ground system since it reminds me so much of Ollie Ross' copper tubing and rock salt ground.

In 1926 a wireless and railroad telegrapher, C.H.Preston of Chatsworth California began experimenting with chemical grounds. While first developing this ground he used blue vitriol (copper sulfate -ed.) and copper plate but the chemical action soon consumed the copper plate. Later he worked out a formula containing several ingredients wherein neutralizing chemicals preserved the copper in its original state and permitted the action of the sulfate to grow into a spongy mass of copper while collecting its own moisture. The container was a heavy gauge copper cylinder about five inches in diameter and some two feet long.

The efficiency of this ground system proved so successful it was introduced to the radio market known as the "Permanent Radio Ground". It was featured in Radio Doings, the popular radio magazine of that era. Several radio stations including KNX installed the special size (weighing about 200 pounds) designed particularly for the broadcasting industry.

For several years these grounds were sold to radio listeners throughout the Pacific Coast. I was one of the early users of this excellent system, having buried two of the copper cylinders outside my DX den window. Some of my record DX catches were: 7 ZL Hobart, Tasmania -516 meters ( 583 kHz -ed.), 250 watts; $6 S T$ Stoke-on-Trent, England- $288.5 \mathrm{~m}(960 \mathrm{KHz}) 200$ watts; CHNS Halifax, Nova Scotia $-365 \mathrm{~m}(825 \mathrm{KHz}) 100 \mathrm{w}$; KFIU Juneau, Alaska - 10 watts; KRC Changchai on 365 m 100w. My domestic DX included 36 verified stations

14 in New York state including Ollie Ross＇WOKO but their location in 1927 was Peekskill，N．Y．，transmitting on 233 meters（ 775 KHz ）with a power of 50 watts．Perhaps one of my best domestic catches was a small station in NRC HQ＇s present backyard－WAGS，Somerville，Mass．on 250 meters（ 834 KHz ） and just 5 watts！Another rare catch was a 30 －watter in New Bedford－WIBH on 209.7 meters（ 700 KHz ）．Regrettably I had to give up DXing and did not return to the hobby for many years．

As broadcasting progressed the word meters was fast becoming obsoles cent．Yesterday it was kilocycles．Today it is kiloHertz．How quickly time passes！Life is just a perpetual succession of events，kilocycles and kiloHertz enter and make their exits，like friendly guests；so I likewise must make a hasty exit．．．

To long－time HRCer Frank Wheeler，on the birth of a grand－chughter，Mirian Elizabeth Straite，on 12／22／71．She is Frank＇s first grandchild，and selata－ tions go out to Frank on this happy occasion！Frank adds：＂She＇s a real doll！＂
DAN K．PHHLILIPS－X－2 Seninary Viliage－Louisville，Kentucky－ 40207
I look forward to heering from Diek Truax when he arrives here in Louisville．Xy number is 893－2482．I＇d also like to welcome AlAll PMPRSO to the 耳RC．After trying for aeven yenrs to get him interested，and no luck， then GFI does it in one week－Wor！However the address he sent we wust be wrong；an I sent hia a two－page trpewritten letter and it vas returnod to se ber oarcose the Poet orrice nays no such address or persons．（Ohybe he＇m the ooumin of the ony at $11226-\mathrm{SNC}$ ） EX has hit a slumber point here $=\mathrm{CX}$ don＇t seen to be



 mey are dosng a goal job with asov for o／ico ailes． for eall change．this is the thimi anll for this station they used to te wist


 I＇ve tried for this one ror yenri and yonrs and now it is covering the frequency


HRWIST R．COOPER－ 438 Ehst 21 Street－CARRIER ROUTE 56－Brook Iyn，N．Y． 11226
Ha ljelujah：Three veries in here－a v／q from CEMM－7ino，a CBC St．Johns $v / \mathrm{q}$ it is；a $v / 1$ handwritten from WKTJ－FEST on $\mathrm{f} / \mathrm{up}$ ，and a fine v／l－SS from HIJB－830，Santo Doningo．I wonddr if wy friend Cesar helped out on his one？It is very much apprecisted if he did．Caly DX date this wean was w 1／31，and like Faxy Foxworth says in this issue（in Musings！），this was a morn to remember in the N．Y．C．aren，with ANers WOR－710，WARC－T70，WCBS -880 ，WWFL－ 1600 a 11 off，but on occasionalily testing during the course of the morning．On 1600 ， Only CJIS was noted，AH，s not yet on 710．On TTO，I took a log on HJJX，Prdio Tequendam，in Bogota，only to find I have this one verifled under a former slo－ gan，Binisoras Monserrate＂．I noted a whole raft of open carriers an 1380 most of the aroning，and at various times I heard IDs from WICY and 以uS．Also noted das WEAZ -1450 back on AHMN－NH．Once again，GBS－560 really tock over that fre－ quency here at $3: 45 a \mathrm{~m} / \mathrm{cm}$ ，but it seews they don＇t get inland at all．This PM， I noted WRIZ－1550 in SS but s／off of course is in ER，this month e 6：15pm．Oh yea－cone more $v / 1$ ，that ITOn WOGO－1550，telling of the next TEST on $2 / 28$ ，also with 84 and 250 watts．My verie specifles I heard them on 84 witts．I too en－ joyed Mike Colling＇articie co classiflcations of BCB stations，and also＂Those were the Days＂by May Mocre－however，I hadn＇t been aware that I am considered a tough Editor．If I had have been，there never would have been an IRCA！Cuar．

 a graverarder．Whex－1580－TEST fair 2 on ，taking calls on the air \＆playing rr． Then came WETY ET W／c／w $93: 20$ for another nevie，then WKIG r／c flipped in OK for

 vent off．Ga stations are knorn to do this it soems（WSIZ \＆WLOR are two other

 they really get oat：）Winx 1490 e l：4lan w／rr on the＂hason Dixan Shor＂，\＃102 logged from Temn．（ny best atate！）Xesur－ 1550 I think kas the gry AN here m WCOO－1550 TRST in SE W／Soul wix（they gave spots for boce bank，h1 ERC！）Thea
 Then came 49 on 1550 as KOM Comanche Filed w／quick ID $\&$ OC，a fairly Incrative frequency for Els I＇d aay！（Hov a KOIX THETT on a MN 3－5am would be a nice＇lil

 They sent the warks．Pecent veries here include：$\nabla / 1$－WCOH－1450（enclosed on \＆ buwper sticker too）\＆WIFB－1310（ $7 / \mathrm{q}$ \＆CM also－took $\mathrm{f} / \mathrm{op}$ though）． $\mathrm{V} / \mathrm{f}-\mathrm{WKKB}$ 1300 （fineily）\＆WWJC－B50－IRST（I＇ve also got＇en v／aed back on the old 1270 frequency）．Anyone baving trouble varifying WTis－1370 just send we xour feport 2．I＇ll secure a verie for ya！Also ny new CA list is out－if you＇d like a copy Just give we a write．Also WBAT－1400 was on per DX aked－they skipped out to the WC！Orer 2，000 domestics lagged here now． 73 ．
PRAKK KHRELER－Firfe，Pemosylvanis
I＇I gisd to see coe of the Erie are boys jodned the MRC，Dick quim of Pairvier．We cail each other alnost daily．It reands me of years ago when I flirat got started DXing，when I avakened all the rest of the pamily at 2 am to telll them I got XiW，略 first Mexican！I enjoyed Pay Moore＇s＂Thoae wer the days．I see he thinks I＇m cae of the oldest members－he is right．I too have copies of the old Fadex magzine．These were the days when you cifuld get a oincelter oa the 1 got IYA 10 monings straignt，and have never heard them since．That＇s when you hardly heard of a 24 hour station，$\&$ moet everybody off the air when the $f / c \theta$ were 00 ．How for wy reception．While trying for statians
 IIl．111． 32 ． am teat 12／6．WKi－1300 me．on for IKCA 3：13．They sent a $\nabla / \mathrm{f}, 12 / 6$ ．WORR－ 1530 N．C． $4: 02 \mathrm{~mm}$ NRC TRSI $12 / 20$ ，report sent，no verle to date．WNNA－1340 Va． 7 an $1 / 3$ ，wy first ner one in＇72．WHax -1560 Fa．2：45am om for NRC，I sent report 1／17．I had a TT on 1440 from 1：15－2：20 $1 / 16$（cone hour \＆five winutes）\＆they never gave a call or location of any kind，only TH．I was realiy disgusted asI stayed on that frequeacy could have tuned elsewhere．I had a couple like that the week before．（It could have been the ik hetrodyne from R．Luxembourg，no？）
CHARLES L．SHAPFER－1216－139 S．W．2ad AVenue－Gaineaville，Florida－ 32601 I just joined the NRC in December，so your are readitag Pirst Kusing．I am 22 years old $\&$ an electrical engineering stucent at the $U$ ．of Flordia here．I ve been into Siwling aince 1959，but caly seriously into BCB bince 1969，\＆didn $t$ get around to it in an organized may wonil more recentiy． ite been a ham since 1 gos（WBHCAP）a have beld py first class phone license somes
 who 1370 ．I DK w／a Raticnal HROMS00P \＆tee＂antenna $60^{\prime}$ high w／ $180^{\prime}$ flattop． I have ordered the reprint on the altaz．loop but won＇t be able to use it inside theapartanen， cited abour Wh－0 10 ank－950．I had a thrill here recently when two fla．stations departed from 1050，appareat $1 \begin{gathered}\text { at } \\ \text { the same time．I currently trying for some more WC }\end{gathered}$ WLTO－1220，or WMBM -1490 outside of South Fla．？My current total logged is 447 ，
ith 357 domestic, 16 countries, 29 SH , 3PF. (3? -ERC) $\mathrm{I}^{\prime}$ 'm just inching it up, but I look forvara to every MRC Special. Flash - WPDQ $-600 \&$ WINZ-9ho have sultehed fron Top 40 to Solid dold. Twenty-four hour phone here is $904-373-4401$. CU in Kiami! I enjoy the columen! (Thank you Carles, \& welcome to it, and to CU in Kiani! I enjoy the column! (Thank you C arles, $\&$
the MRC, and also, thanks for the doublempacing! -ERC)

PIERRE TREMBIAY - 1124 - 2e Avenue - quebec 3, quebec
H1 NRCers. Local CJRP-1060 flnally increased its power to 50 kw one month later than expected. Its nighttime power resins to 10,000 though. 12/9- CKCN-1220w/HX on top of freqiemcy entirely dorinated by WGAR. Tme ma 11

 CMB, \& HPOP off, about 2mm. CAYR o/wOFF battling as usua 1 on 1490, 2:15. 1/13-
 $6201: 300 \mathrm{~m}$. CKNS $-960 \mathrm{w} / \mathrm{m} /$ off \& CIDS taking over © 2. CKIM-1570 recently fired their AN DJ. Byerything seems to go wrang © CKIN aince two or three years. If we would count the number of employees fired since 1969, we could probably have a few stations go co the air. In the overall ratinga for the Montreal area (the last ones issued by the BBM) they slided in 13th place far behind some FMs like CJFM \& CFGLFM. CJNS \& CKVL are still the leaders as far as the ratings are concerned in Montrani. I'd be interested to trace cassette tapes of wy Fr locels \& cerned in Montral. I'd be interested to trace cassette tapes of my Fr iocals on-semi-locals ior anyone elseis locals. My main interest is the ir format. If in-
 page DX MENS Wase
work at BPC. 73 .

JEREC A. FORSTER - Box 245 - Wolfulile, How Scotia
This is my first Juee, so an intro is in eeder (original, hi). I'm 19 and in my third year at Acadia छniveraity (here in tomp), foring in Spanish. I've been DXing for about four years. I nX all bands. Wy RXes are a Marconi CSAFSA 11 tube aqperhet \& a Sanyo ten transistor. The CSRFA ma built by the Camadinn Yarconi Company (1927-1944) for government purposes. If a is familiar with it, I would appreciste hints on how to get the sost out of it. On BCB it covers only $1490-1600 \mathrm{k}$. Is there some my to get the other frequencies? A veek ago I tried out a Beverage of a sort. I joined six lengths of $100^{\prime}$ wire (sizes 18-zz). I placed the insulated wre a long the ground, in a more or less etraight line facing $S$, through my neighbors' backyardis. So far they haven't said anything (it enowed the next day, hi). The end is attached to a 560 ohn resistor. It isn't grounded. Should it be, via a metal pipe or something? The near end is at tached to $\mathrm{FG}-\mathrm{U} 58$ coaxial coomected to the antenm tervinal of the $\operatorname{CSR} 5 \mathrm{~A}$ or the telescope anteana of the portable. It's probably cne of the poorest Beveragea ever er built, as I have littie knorledge or such things. So tar, it seews to bring In an umbelievable signal increase. It brings in stations and countries from IA that I never heard before, e.g., Fadio Mil-1180, Dominican Republic. I hope to carry out sowe tests to see what the aerisi reaily can do. I plan to write in often, \& next time I'll tell of some DX catches. I have three qSL (look out, lead-
 3/29; Cans-960 Halifax, WBEM-780. They sent a sked, nice letter \& CM, also WBEHIN, Ch. 2. Do I stop getting DX MWSS for that, hif 73s \& best of DX. (Welcome to the XRC, Jerem, and we're looking forward to those promised DX Masings! -ERC)

CAFI D. PALL - 220 Kelton Street - Apt. 18 - Boston, Massachusetta - 02135
Hi there. I'w now beginning wiourth year in HRC - a re-intro for those who don't know we. I'm 38, married since Auguat, \& a freshman at Grahm Jr. college. Major is radio production. I an also involved in the production and unsic dep'ts at Grahm's carrler-current WCSB-640. DX has been 11 mited due to school work as well as EPC duties. In fact, approximately 600 copies of are in the back seat of ny Toyota amaiting conly stame and addreas labela. DX totals frou Bosatom: 172 heard, 30 veries, 23 states, five provinces, 11 cma tries. Best catches include BFC-647 665-Portugal, Senegal-764 a KNBR-680, all on a Fedio Shack TRF portable out of the box. I mas recently in Dayton, O. (FIASH-land)
and heard at least one interesting thing an BCB - KNBR/WINR-680, w/WMAQ-670 a $111^{17}$ carrying MBC network NX at the same time. Quite an experience, somentat siailar to what southern HYers experience $\mathbf{w} / \mathrm{WWVA} / W H L \mathbb{R}-1170$. If you mave never experienced this echo effect, try tuming in two stations rumning network prograns // to each other. Do it now. I hope the dues hike hasn't arfected too maxy Mriers adversely - if you could see the amount of work that goes into ench copy of DX NEWS you'd be glad to pay twice the price. I kjow I would. Por the money, you can't get anything better. If you lock at what actual DX info is contained in other clubs' bulletins, you'll find that it is mpor compared to the solid info DX offers $\operatorname{lalas}$ WERX. A little carried avay there, but that's hot I feel. ERC, re-
 all the Chinese would fall off:" (and there'd be no F layer either, hi). Ey the mey, coagrats to RRC on WFRA - I told you three years ago WIRM. Lived, hi! that's 30 so remeriber, capt. Glotz is right an. 73, \& Muse often.

BIIL FEIDF - 8708 Contee Find - Apt. 14 - Laurel, Mary land - 20810
I bave been doling min Maings on Monday evenings this season in order to be sble to include info from the messica, but it seens the P.O. cannot cansistantly get a letter fimod Laurel to Brocklyn in three days. So, I will do reports on Sat. or Sun. from now on. I bave some old DX NBS mimeo atyle bulletins from circa 1958-9 which I intend to cisppose of in one way or another. Would anycue be interested in haring these gratis? If so, please cantact me. I have very 11 ttle ner DX this week, but one very interesting SSS TA opening to repart. 1/25-WHRE-1370 Martinaville, V. was in quite well e 5:25pm w/"Evening Edition" HX to $5: 30 \mathrm{~s}$ /off $\mathbf{v}$ / "This is wy courtry" used as anthem; then announced PSA of 500 W. WBRY-1540 Woodbury, Tenn. from $5: 58$ pm w/rousing march to $\mathrm{s} / \mathrm{off} \mathrm{w} / \mathrm{sSB}$; this is
 seai-loce 1 WFRR . Then on $1 / 28$ I noted ane of the bost SSS TA openinge I've ever experienced. I first hard a juible of salis on 1475 around 5:30pm. A little later cae became doaimant $\mathbf{w / m i r l y}$ good audio, but was unID. Vimitea-1546 was in very well. Nice-1554, Monte Carlo-1466 $\&$ Porto-1578 were all as strong as I've ever heard them. 1484 sounded 11 ke an American Graveyard frequency, but nothing dominant. I had at least two bigna is on 1367 \& possibly a third; one was a lmost certainiy R. Nordiee w/rr format. I had an interesting reception on $1206 \mathrm{w} / \mathrm{a}$ man taliling in what may have been Portuguese; sigmol was quite strong, but audio rather weak; prosably needed CSB3, but not enough to be sure. I may bave had a second bignal here a 180 around 6:25pn, but things were beginning to drop out by this'tine. By 6:40 coly the normily consistant TAs resained \& they were paite weak. The opening was highband coly; Lisbon-665 was noted, but oniy very weakly, wile the highband aigmais were very atrong. This was a very strange opening, since CX were otherwise slightly quasi-Auroral, w/wany of the U.S. clears very much weaker than usual: WOWO, normally a poverhouse, vas extremely poor. The next evening, $1 / 29$, man definitely Auroril - no TAs at all, clears miesing. 73.

BOB FOXWORTH - G.P.O. - Hox 2111 - Hew York, Hew York - 10001
Here's another Musing. Gee, it's great to see one's mame in print. I enjoy ed seeing the loca 1 gang at the confsb $1 / 22$. I also enjoyed reading Mike Cilns in 1962 at and NRC Indications and think it vas very filuninating. I reali in 1962 at the NRC Indianapolis Coavention that a rep from WIW was there $\mathbf{v} /$ their existing 500 ky XR. Their relisble Grade B coverage ext wid reneved usage of their existing 500 kw XR. Their relisble Grade B coverage would extend roughly to Nevada. Strangely, none of the superpower adrocates have been heard to advocate ore stringent standards of receiver performance which vould allow residents or so-called white areas to get aigmala at night that their five-tube wanders don't seen to be able to get ordnarily. It was good to hear poss Hansch on the WhKX TEST. Also nesr-neighbor Steve Howe, an IRCA type who lives in Great Heck. Oa the local scene, WTHE has been fined a grand for failure to reduce power during ci. This seems like a lot but I understand this offense has happened before. Also they vere in trouble once allegediy for iaproper logging of apots for an mir involving their starf. At any rate if I can borrow somecne 8 fastrak
 nal to work with. Needless to say this would prejudice my chances of ever getting part-time work there, haw haw. The second 4VEC TEST was in easily on 830, uCCO no trouble agsin. This was en $1 / 24$ again the MRC loop came to the rearue No, I an not in the enploy of others to extol the loop, I just think it is the greatest thing I've ever tried. I note Page Tahlor's concurring remarka in a re cent Nusing. My wife is a reguler reader of DX MENS, naturally Capt. Giotz is her fhvorite feature. ImD the most unfavorite, too. on $1011 / 31$ about asm, all four INC BIggies - 660-710-770-890 were silent. Incredible. WCaS was off for torer inspection, but QRN was rough. I feel a mor depression is needed to clear the air of all the Aliers.
 I was out of town for a week $\&$ no $D X$ at all. But on went
 log in WFRC-1600 Reidsville R.C. atop w/WX e 7:15. An SS who was a DOMESTIC atop on 1590 ㄹ 7:20. Much noise static prevented ID, an SE Bevernge, which I re= peired todey w/eight breaks in deep-deep snowdrifts. 7:30;in, firet lef on CJIR1150 Trois firieres in lond in Auroral donnt hole, thanks to tils in DX MENS.
 ufficult frequa difrlealt frequen. be new coll for old WERD but I have not sech call change listed. KWLC-1240 Decorah Iz. s/orf e $1 \mathrm{w} /$ lots of mention of Ioves state College Netrork. Seemed in a religious song at s/off. KPUR-1440 Amerillo loud e 1:10 r/c-TP for Dew log. WLUT-1340 r/c-AT 1:35. 1/25- Bitter cold outside - $-15^{\circ}$ \& 8 pm grent Aurom in offect. Audio on 1505, Eybe Anguilia. Also SS an 1540-1170-1515, loud costa Pican here. TIJJC - R. Colubis B 8:05pm. 1150 had XEJP R. Variadades atop 8:15. R. Menumental-1375 TTMAR Limom e 8:20. ZDK-1100 v/ER3acented announcer v/TT u/
 forelion log of night © 9:45pm, in IIJP-1010 R. Comercisl, D. R. atop 10:10pa. Her explain this ane to me -an Aurora 30 strang $09 \mathrm{pm} 1 / 20$ that all 50kw cleara ar gone to Las, but WDH-1586 \& France-1554 as loud as I've ever hen rid 'er, so the earliest I've ever logged 'ea also. Why? Firat new log an 1020 mis BJCC, R. Sutatenza in vell on 10 k 5 ; hets on a lmont a 11 gplits. Jeat one on 1385 believed to be R. Hoyer, 1601285 belleved to be R. Gremada, MNRPS, 1435 belleved R. Kelikboon. Other mID splits an 1145 1455 1465. An IA an 945 IDed as Ecuadorian R. Ifera; 995 as R. Suceac, Garyaquil, 965 R . Mamagra, 975 had two cn , dominant oadas del Pacifico, weak one on 985, Pera I presume, RPP Ifa; weak IA an 1105. I never noted this aplit before. Dave Gleason, would this be Ecradorian, 500 W Pelileo?

RICH RICBMAN - 24 East Chemire Piace - Staten Island, Nev York - 10301
Here I am with my first appearance in these pages for 1972. WBRN2170 K.J., heard for the first time on $\mathrm{m}, 12 / 31$, from $10: 30$ to 11 a .w.w/hay Listening background $\quad$ ex, \& editorials. Ho verle in yet. The 1/29 DX MENS states that WWVA is now silent MMa, approximately 1 to 5 a.E. However, on N $1 / 31$, I foum WhVA Jewsman Bill Eughes playing $c / w$, stating tbat he ves hosting the $A$ show. This was 12:18m. This had been the time for religious programing. Does this mean another MM clear channel is now shut offit Good-bye hopes of snagging kvoo. Wimw- 1530 K.J. is now playing $\mathrm{e} / \mathrm{w}$ an Sundays from noon until s/off. I'm the proad recipient of four "Eiectronic Averds" on the "Bob Jones New York at Hight" show on WHF-1050 - they're wan by identifying the singers of obscure sangs. That's miggeat clain to fame so far in '72, hi. 73s.

MORTCA D. MKEANI - Box 276 - Morth Plam Springs, Californis - 92258
HQ sent me a $2 R B \mathrm{~V} / \mathrm{a}$. Will the person it beloags to write me ciain it? It covers verification of Iky TP. Also if anyone received 1950 /is belonging to me I'd appreciate receiving then at my presett address. I guess HQ is so overworked they don't know who sent in those veries a year or wore ago. (They probably got switched with s
PLEASE REMDABER TO DOUBLE SPACE. DFADHINE IS THURSDAY. THERE'S A 30-LITE LIMIT!

BOB SHAM = 234 COImbibus Strect - ELyria, Chio $=44035$
Ux FX is atilla (Philiy) dog, hi, but it has brought a few catch this week. $1 / 25$, a Tuesday, better than MM: HDNS-570 o/u whCA w/ads, uptempo (merengues3) \& R. Cristal IDs during WKEN SP. WINK-1240 1:54am v/WX \& SID, not sur3 if RS. WERK-1240 $\mathrm{f} / \mathrm{c}-\mathrm{IT} \mathrm{w}$ /phonetic IDs $2: 07$; muat be a $\mathrm{r} / \mathrm{c}$ as it ma listed in DDXD for December. WUPY-970 an eacrgency for coldware s snow, sounding quite grave, doainating 6 2:15. KFNF-920 concluding ET/TI/mox w/WX forecast of $\mathbf{- 1 0 ^ { \circ }}$ e 2:30. PM, much-wanted UIRE-1340 $7: 03 \mathrm{~W} / \mathrm{NX}$; sounds Ir but is rea 21 y Top 40 (they whe a daytine reguler at school.) 1/26-KIII r/c ID © 2: 10; I think they said way were leaving the air then. Ther were not heard at listed time. RTR-550 w/ SID \& ID by IL E 2:30, quite strong. Helieve it or not, this is my flamica. I counted up countries and was surprised to find this was only $\$ 20$. $1 / 27-$ KFWS-1150 cancluding KI/OC 2:08, dowinant. $1 / 27-$ WNNK- $1380 \mathrm{LKCv} / \mathrm{c} / \mathrm{w}$ \& political ads $6: 14 \mathrm{pm}$. They must be $5,000 \mathrm{~m}$ now. $1 / 20-\mathrm{WKFY}-500 \mathrm{w} / \mathrm{NX} \&$ sports for W. Wis. 2: 338 m . Dince when have they been AIN? (Probably since midnight, hi). 1/30- WHBC1460 is apparently no more; Rochester was heard to ID as "Waxie $14^{\prime \prime}$ and whet sounded Like MAXZ 6 lam concluding MX playing rr. MA 1/31-KCWB-1550 1:13 ID for $\mathrm{f} / \mathrm{c}-\mathrm{TP}$ /rax, clear but weak. WKAQ-580 in SS w/SID e 2:35, atrong, P.R. \#1. Plenty of TT, no IDs during KTYN time. They're needed, too. Anyone rementer the last time WJR-760 was off' I was thinking about it $\& I$ don't remember this ever ocurring. Also true for WLi-700, although it sesms to me they used to be off mas - is that righti I'm very much afraid these Alis are not going to go avay; the wee hours may not make that much money for them, but as the populatian and inflation increase, the revenues certainly won't decrease. Understand, I'm not celebrating; it's just that I think those wo gay the "trend" toward Alifing is over are urocg. I hope I' mrong, instead. When I heard WOOO I was not avare it una a Special; wa their 3:04 ID cn 84w 3 73. (They vere an 84w. 3:00-3:30-ERRC)

JERRY STNRIL - WHOT Fadio - Youngatom, Chio - 44505
Greetings. Strange reception e 2:45am an $1 / 7$. I noted a gtrang het on 930 that turned out to be from WPAT off frequency, measured at 931.8 x . I called the station and talked thw switchboard into connecting me with the XR. The engineer nas very triendly, \& said they were mensured by Caboridge Crysta is on $1 / 1$ \& wereOK. I reminded hin that if the XR gets off frequency far enough a the frequency drifts outside the passband of the frequency monitor, the weter will return to sero. He thought for a second and said "You're right, and cose to think of it, we've bean reading exactily zero for two days. Usually we're a rew cycien
 once. He mid he woald ebect omin with Ondridge in the morning; On $1 / 0$ the lipt
 $1 / 10-$ I had VBAT-1 400 IK in both modes, banst ocpy just priar te 3 . On $1 / 15$ I got







 ebort aking plane.

## OAKTAND ATHLETHCS' FADTO METHOFTS

(from $1 / 29 / 72$ sporting News, which does not supply the frequencies - ERC). Key atation of the netvork this year will be KBEN, San Jose, with KEST which was the fagship station last year, otill remining on the A's petwork. Also, Cakland $B B$ KPOPS, Roseville. POP, Roseville



