

OFFICIAL PUBLICATION OF THE
'It is a pleasure to renew my dues. NRC has grown in a mammoth way in the last 2 years and the special articles and foreign DX sections are professional and of the highest impact . . . it is truly a wonderful job. "
(Bob Hoffman, N.J.)

MORE'NEW MEMBERS!
*Miss Nancy J. Gantzer, 67 Liberty St., Fredonia, N. Y. 14063 (Age 22)
*Benjamin C. Schaffer, 32 N. Howard St., Allentown, Pa. 18101
*V. Ray Taylor, 11 Marshall Rd., Waldorf, Md. 20601
*Bruce Winkelman, Box 113 Metzler, McPherson College, McPherson, Ka., 67526

Welcome to the NRC, ladies and gentlemen; we hope to see your contributions often here in DX NEWS. Ray Moore and the Membership Recruitment group have been doing such a good job in the last few months that we've run out of . new member kits for the moment; Ray says that more will be made up in a few days and those new members who haven't yet received kits will be receiving them within a few days.

## WHEN IT RAINS...

On top of massive and widespread postal delays resulting in late delivery of DX NEWS, we've also had our first problems with the printer being unable to meet our necessary 36 -hour turn-around time. The problem started with a power failure and as I write this things are still snarled up in a miserable logistical knot; as a result both this issue and last week's will have gone out late. We've become so accustomed to getting each issue out within 48 hours of the time we receive the copy that this week's snafu seems relatively disastrous; on the other hand, we've gone more than a year with what's been really phenomenal printing service and that's something we can all be thankful for. We hope to be back on schedule again next week and we sincerely regret any inconvenience that's been caused. We read with trepidation Pete Clarius' predictions of even further mail delays coming up... We're intentionally holding this issue to 20 pages so that we may provide everyone with First Class delivery.

NO ISSUE ON 3/28-SCHEDULED EASTER SKIP!

ECLIPSE DX was strongly masked by a severe auroral disturbance that began the day before the eclipse - by the day after the $A_{f r}$ was 1661! More information about this next week...

Mon. March 23 K X L Mon. March 23 K X L 750 Portiand, Oregon Sat. March 29 K G T N 1530 Geurgetam, Texas 50,000 1,000 3:30-4:30 NNRC/IRCA

KXI-750. Info from both NNRC and NRC on this TEST broadcast, starting at one minute after midnight FZT , which is 3:01-4:00 a.m., E.S.T. On Monday morning, March 23rd. We don't have any data on what they will use for modulation during this hour. KXI is very directional, and will be a great catch for many of us in the East, and interference may be expected from a couple of Latin-American stations which broadcast all night. The address for your reports is: Mr. James $P$. Cassidy - Technician - Radio Station KXI - Yortland, Oregon - 97222 - Box 22106. (Info from rat Taylor and Wayne Heinen)

KGTN-1530. This will be their yearly rroof of refformance Test. Unfortunately, both KFBK and WCKY will be on, but perhaps KGTN will cover a lot of spots in this country where neither of them is too loud. Probably mostly cycle tones and frequent IDs, the usual fare on Yerformance Tests. The address is Mr. Claude E. Sessions, Jr., Chief Engineer, Box 100, Georgetown, Texas -78626. (John Iweedie)

ON THE STATION'S STATIONERY - KAWL-1370
(concerning the $1 / 26$ TEST). (in part) "After we were all set up, I received a letter from Hawaii pleading for the boys on the West Coast \& beyond. Not to con fuse the original test, I then agreed to go on again between 2 \& 3 CST. We did get a phone call from California. You will find a list of those (reportso received thus far attached." List: Yoniper-Utah; Freeman-Cal.; Bright-Ia.; Bowers -Mo.; Jarris-Mo.; Eddie-Mo.; Hostettler-Minn.; Winsor-Ind.; McCormack-Ind.; Wall -Ill.; Nittler-Colo.' Wood-Hawaii; Saint-Sask.; Keeney-Kans.; Kosteven-Alta.
THE BIG NEWS this week is; WTOP- 1500 is off AN! S/off $1: 00$ a,m. (FISH) Sknday nights, and returns to the air at $5: 30 \mathrm{a} . \mathrm{m}$. Aiso, KGO-810 seems to be off the first Mondeys now, so not NSP.

## ERNEST F. COOPER - 438 East 21 Street - Brook1yn, New York - 11226

One verie, $v / 1$-EE, very vague though, from RTF-Nancy, for the RIF station on that city on 836 k . Back to MM 3/2, a great DX morn here. After the excitement of logging Republic Fadio-560, Guyana $3: 55-1: 16 \mathrm{am}$, I noted Redio Cabimas-610, YVND giving WIP a real battle. R. Guardian, noted later @ 4:26, I wasn't on the chamel when they s/on - Foxy wys they are no longer known as R . Guardian. Question: If a station like they $\mathrm{w} / \mathrm{no}$ call letters - only a slogan changes sloyens - do you count them again if you count a call change as a new logging? Like Radio Swan, which became Radio Americas? WNCT-1070 logged on day pattern atop the chame1 6:02-6:14pm, when they switched to night work, and disappeared entirely, carrying CBS NX $\mathrm{w} / 10 \mathrm{cal}$ bank commercials. I did not DX during the eclipse, but right at its height here ( $96 \%$ of totality) a dark cloud came in front of the sun, acting like a filter, letting me get a good eye view of it, \& a photo as well - like a miracie - the sun looked like the new moon through that cloud! Eerie, and exciting! A day off on MM $3 / 9$, \& a rotten DX AM it turned out to be. An SS-1190, weak, noted © 12:20, w/Caracol ID @ 12:27, but too weak to ID.. The AN-SS on 1160 was in at times, but weak too, \& unID still. Unn KFJZ1270 strong @ $1: 27 \mathrm{w} / \mathrm{rr}$. WWVA s/off © $12: 32$, \& back by $2: 00$. On 960 e 2:02, I heard only this: "-- in North Carolina, on the air for testing purposes only. Was it WFYC or WAAK, I hope, the latter, natch? Good log on Radio Maracaibo-740, beautiful signal anihilating the Cuban, $4: 09-4: 23 \mathrm{sm}$. Twilight, with mild Aurora WTWS-1370 \& WMHI-1370 playing tag till both s/off around 6:15, neither w/SSB, but some one else there did s/off w/SSB at that time, probably WKIK, which is needed. A phone call from Joe Fela tips that new WELA-1530, 500 W , $\mathrm{D}-1$, Elizabeth, N.J. will ${ }^{\text {GEO }}$ on the air on RS @ $6 \mathrm{a} . \mathrm{m}$. Tuesdav, $3 / 10-$ no tests heard here at all!CuN?

THE FOLLOWING SIX MUSINGS WERE RECEIVED CI TUESDAY, MARCH 3 - POSTMARKED AS INDICATED. NO N.R.C. MAIL WAS RECEIVED HERE AT AIL ON DEADITNE DAY, MONDAY 3/2.
DICAIEM. 728 (PM: 2/27, PM) ROGER W. WINSOR - 718 North Fremont Road - Valparaiso, Ind. DXN 1240 Ve . on $\mathrm{r} / \mathrm{C}-\mathrm{TT}$ 12:45-1, WIXE-1190 N.C. TEST beautifully ing with $2 / 23 . \%$ WTON-1240 Va . \& must have been widely heard, 12.150 Mr \& on /repsat=a ID for RIA \& NRC 2:02bill WIXE is going to have: WIXL-1490 Mass. on 1 2:05 \& grain © 3:05 in the mess, reported. Back to $2 / 19$. WDEH-800 Tenn. on r/cDT 1:15-1:30 for another try at a verie. Who was the AN MDR on 10 i/23 I couldn't have the patience to listen through the static. NO R. Cristal DX as YVSJ, R. Mundo, s/on © $4 \mathrm{w} / \mathrm{b} o \mathrm{ming}$ signal. 2/25-TT on 1590 beginnine @ 1:05, same time as KTOD r/c listed, but too weak to ID. KPEI-1420 Ia. on r/c 1:10-1:25 sene thron which went off e 1:20 exactly. WGEA-1150 on again w/f/cDT 1:30-1.45, so must be $r / c$, as second month in a row now. RR "Hey Jude" on DT 1:30-1.4, 1560 turned 2:07, off on, must be we recorder had been going! TT on 910 1:02-1:15 during w/Dixie, if only my tape recorder had been going! for $/ \mathrm{c}$ one day late $1: 25-1: 42$ sked WRNL time, but no IDs heard, KIXz-9HCA Ala. sked r/c 1:45-1:51 off, no ID W/rr, fine sifnal. DT on 1110 during hbca W/TI. KROF-960 La. on $\mathrm{f} / \mathrm{c}$ 2:51-3 off abruptly, frequent IDs through WBRC. $2 / 27$ - KCHA-1580 noted on $r / \mathrm{c}-\operatorname{mx}$ 1:30-1:45, WFBR-1300 Md. on to $2 \mathrm{w} /$ Modern Jazz Hour, reported, to $2: 03 \mathrm{~s} / \mathrm{off}$. TT on $14501: 46-2: 58 \mathrm{w} /$ breaks for $1^{\prime}$ every $3^{\prime}$ during KSIW r/c. Were you listening then? I sure could use an Ok1ahoma GY. Other unID Thers on 133014101420 \& 1090 . A few verifications zreeeived: $v / 1-$ WEND, thanks lot Pat, KOFI, v/PP- WSLV. v/q-WHBC. v/r-KJIT. I'm now up to 954 verifications, 2,583 logged in 43 count:ies. 73.
(PM: 2/28, PM)
JOSEPH FFLA Jr. - 150 Robert Place - South Plainfield, New Jersey - 07080
Greetings. Veries since the last report are $v / 1 \mathrm{~s}$ from $\mathrm{WKO} \dot{\mathrm{G}}-$ 1560 \& WNDD-1580-TEST \& a $\mathrm{V} / \mathrm{g}$ from WWSD-1093 TEST. Not much DX here of late (again). Recent DX consisted of the followine: 2/16-3:03am, KFRE-940 DX at times throurin some $\partial$ RM assumed to be KHOS. 2/22- WWLE-1170 \& WTBQ-1110 finally dded quathohdjust before noon \& reported. WTBQ-1110 now seems to be equal to WNAR here, much stroncer than previously noted. Also on $2 / 22$, 6pm, WBEC-1420 noted, ever heond in Newark due to WNJR, \& 6:02, WARE-1250 on top at times. 2/23-A nevy odd morning. It seemed like everything on the dial was either a TA or an very odd morning. TBC channels were particularly strong \& the 1052 outlet was notLA. The various BBC channe1s were particular , WYMB-1410 r/c-TT, 1:02 WDEA-1370 s/off, 1:04 WIXE-1190 TEST ©Cod, $1: 59 \mathrm{KGHI}-790$ in the mess (unn, of course, but it's a but I forget the date (sunset reception). I have become more acquainted with what comes in during the dey here which resulted in a few more minor surprises. UTAG-580 is definitely the unID u/WHP, semi-readable. My mystery u/WPAT is WCNR930. And WLAN- 1390 comes in S-4 or $5 \mathrm{w} / \mathrm{WEOK}$ nulled. II.I. stations are very
 por One final thing, WANN-1190 is very weak u/WIIB showing the lack of protection they give WIIB's signal I guess. 73 till next time.
ALAN MERRTMAN - Box 6 - Fairffax, Virginia - 22030 (PM: 2/28, AM)
According to an item in local newspaper, WTOP-1500 will be silent from 1 to 5:30am DAILY beginning 3/1. At least one ANer is going off. This might open up that frequency a little for us here in the East. 73.

ERIC FLODEN - 13 Parkside Crescent - Ottawa 5, Ontario - (PM: 2/27, 6pm) Upon seeing quentin Brown's name in the new member list for NRC, I rushed over and congratulated him. Welcome! By marner of rointroduction, I ari 18, \& a math major at Carleton University, and a part-part-time DXer. Veries since my last report in Fall 68 : v/q- CMBC -690 PZX26-725 BHBS-830 \& v/1 plus many promos, XEW-900, w/my most recent arriving in $12 / 68$, hi. Totals now $387 \mathrm{~A} /$ $93,8 / 8,40 / 24, \& 18 / 16$. I hope to get back into the groove soon. First time back, 2/25, I noted regulars CBN CBI CJFM, as well as what must have been CHIR730 \& possible but weak CBY-990 // CBA © 11:30pm. Anyone know if CBN is also // a $t$ this time? I already have them QSLed so it's of no real consequence. My ${ }^{[1}$ is a Hitachi TH812, eight transistors ( $\&$ my Volvo radio). Notice: I will take on all comers in a race. I have a Bultaco Metralla Mk II I bought in Victoria last March. It's a 250cc pseudo-racer: 73s.

DICK THUAX - 5101 Tamarock Drive - Charleston, West Virginia - 25312
$D X$ continues in spurts here-two dnys of feast \& then four days of famine DX-wise. 2/19-WLIB-1190 N.Y. w/jazz \& s/off @ $6: 15 \mathrm{pm}$ w/WONO nulled. Also, thanks to tip in, $1 / 31$ DXDD by Ross Hansch, wreb- $750 \mathrm{~N} . \mathrm{H}$. in b autifully @ 6:15pm s/off w/WSB nulled for State $\frac{173}{71}$ logged. 2/20-WGBS-710 Fla. w/NX \& ID © 6:04pm o/WOR, \& WGTO-540 Fla. © 6:10pm w/rr. A bit of a surprise in KRCB-1560 Ia. s/off © $7 \mathrm{pm} 2 / 20 \mathrm{u} / \mathrm{WQXR}$, then 20 seconds later, KABI-1560 Kans. also s/off even stronger w/only 250w. As of $2 / 21 \&$ possibly a day earlier brand new WREM1000 Ky . is on $\mathrm{RS} \mathrm{w} / \mathrm{rr}$ \& Top Gun IDs w/fair signal all day long here. MM $2 / 23$ turned out to be far short of expectations. No sign of CFFB-1200 N.W.T. Special in spite of o/two hours listening to non-stop tic-toc of the blasted Cuban on 1200. I did hear some rr @ $1: 23$ am \& again @ 1:55 u/Cuban but this might have been AFRS. Did CFFB get logged by anyone? Unn WIXE-1190 N.C. on like a ton of bricks e $1: 30 \mathrm{am} \mathrm{w} / \mathrm{rr}$ \& asking for collect phone calls. Unless my ears were numbed from too much of the Cuban on 1200 , WTAR-790 Va., WWRL $1600 \mathrm{~N} . \mathrm{I}^{2}$. \& WHKnumbed from too much of the Cuban on 1200 , WTAR-790 Va., WWRI- 1600 N.Y. \& WHK-
1420 . were all NOT on MM $2 / 23$, maybe due to holiday? Nothing new noted on those frequencies that could be IDed. UnID talk show on 1420 but too weak for ID. those frequencies that could be IDed. UnID talk show on 1420 but too weak for ID
Nice s/off of unn KRAK-1140 Ca1/e 2:30am leaving unID c1 mx on channe1 - who's this? That's it for now, back in seven.
JOE WORCESTER - R.D. 1 - Frankfort, New York - 13340 (PM: 2/28, PM)
Being a new member I will introduce myself. Lest May, I retired from G.E., age 60 , after 34 years in radio - the last 14 spent as consultant-advanced circuits for the Radio Receiver Department. I now have ny own laboratory, shielded room \& all, located in my home in the hills S of Utica, N.Y. \& am looking forward to the challenge of designing \& building the tr pe of receiving equipment that this hobby deserves. I have noticed w/pleasure that many of the other new members are young - in their eariy teens as a matter of fact. In my opinion, they \& others not quite so young missed one of the big thrilis in life by not being around in the early 20 s when radio broadcasting was introduced to the American public. Unless one was there to witness it in person it is just impossible tounderstand the impact that it made. It was such a wondrous thing - mx and speech plucked from the air like magic. Now that the novelty has vanished \& radios are categorized as mere applicances, it is certainly refreshing that many of our youth can still find more of interest in a radio than in a toaster or can opener? I am looking forward to a rewarding experience as a member. (Thanks you, Joe, \& we hope to hear from you often in these Musings pages! -ERC)

ROY H. MIIIAAR - Box 850 - Everett, Washington - 98201
Just a brief Musing to report reception of CF'FB's DX broadcast on 2/23. As soon as WOAI s/off, the Cuban MM was noted; a quick shift of the loop disclosed EE on the frequency, and portions of two announcements relating to bedisclosed EE on the frequency, and portions of two announcements relating
ing a Special $D X$ Test in connection with certain radio clubs was logged as well as a brief TT. Indeed a welcome catch! Other '70 DX primarily foreign. I will Muse in more detail later. 73.

JAY MURIEY - 1733 Candlestick - Newport Beach, California - 92660 Ive just finished several auditions of Alan Merriman's tape of Gil I've just finished several auditions of Alan Merriman's tape of Gilbert \& Ellice Is. ied as their people couldn't catch a firm ID. True, I couldn't pick one out, either. But three detailz are awfully impressive. First, occasional words can be made out in two languages - EE , \& something akin to Hawaiian w/plenty of Ts or Ks , Ms or Ns, and As \& Is (AI, correctly, but linguistics are Richard Wood's specialty - hardiy mine). Second, the announcer sounds approximately like a guy I've heard on the station. And third, the $m x$ is a noteworthy clincher. I can passibly visualize Rome or the USSR or Thailand playing "Hawaiian Weeding Song" or perhaps using the bouncy Tahitian cut "Tanga Tiki" as a bed for an announcement. But I can't imagine any of them playing three obscure Polynesian cuts in less than an hour. The only other possibilities are Fiji-840 broadcasting off of published languages and $s / o n$ skeds, or $2 Z D-840 \mathrm{w} /$ some sort of Maori special programmine, if either could be 4 k of $f$ listed frequencies but remain unreported \& unnoticed by either the Hawaiian or Zedder DXers. And to make this further remote, both are low-powered, compared to Gilbert \& Ellice. For my money, Alan mote, both are low-powered, compared to Gilbert solid logging here. I note in Alan's report he mentions hetting Rome has a very solia logging here. I note in Alan's report he mentions hetting Ro on this catch. It's a little eerie separating those two out of the soup, hi. And speal:ing of soup, it would have been ideal if Icould report armchair copy of GEE as I write this. No chance. I can't even pull KIKI out from u/WCCO tonight. Even San Dieco ${ }^{\prime} x$ widelyOheard pirate at 840 is taking a night of $f$ again. Well, maybe I can baj another estado in the eclipse. To a different subject: Earmed Recognition. In $2 / 23$ Broadcasting Mag's special report 'How FM is making its Move" member Peter V. Taylor, CM , is singled out for praise where the FM action occurs is in Boston (WJIB(FM)) - ranks third among more than 30 stations. Beg, borrow, or steal a copy! It's worth studying. And to Pete, congratulations!

RICHARD E. WOOD - U. of Hawaii - Dep't of European Languages - Honolulu - 96822 gtate \#37 verified in the pleasant shape of WHIS-1440 W.Va., most distant report, previous best Canada \& Cuba "years ago"; then a very pleas ant $v / 1$ from Pat Flanasan at WEND-1580 Pa. for the NRC TEST, who says my report was the most distant ever at WEND; some of you had trouble $\mathrm{w} / \mathrm{WPAC}-180 \mathrm{~N} . \mathrm{Y}$. I ncted no sion of WPAC here. Its power is higher than WEND, but I note it is directional, must be away from Hawai i. Strangely enough, all thre of my best U.S. veries now are 1kwers from Pa.: WEND WFIN WAZL. Other veries, KELA-1470 Wash., first from Havaii, KWYN-1400 Ark., most distant report, previous farthese being from Ill., KORK-920 Nev. which I heard w/16 (3) $4: 10-4: 17$, running what $I$ thought was a IT but wich, according to the station, was a $f / c$, does not say whether regular or not, but might be worth trying again third MM at the above time. Current KORK power is 1 kw . D \& 225 kW N (sic), both ND; will increase to 5 kw . D directional \& 500 w . nhight directional "in the near future". For reports, MM $2 / 23$ was quite imitfful, though not yielding the ultimate, CFFB. Reported are KGIW1450 Col . $\mathrm{r} / \mathrm{c}$, KIFE-1310 Ind. noted overriding VRR for Ind. \#3, KONE-1450 Nev., KITZ-1240 very cood on r/c, Mont., \& best of all Province $\operatorname{Ht}_{7}$ in the pleasant shape of CBA-1070 N.B. noted clearly through KNX/CFAX at s/on $4: 58 \mathrm{w} / \mathrm{Ch}$ Canada. Then, rine NA CX continuing, the following reported $2 / 25$ : KOZA-1230 Tex. r/c, WCOW-1290 Wis. r/c for Wis. the, at times rivalling KHSL/KMEN. I got a weak but distinct ID on tape, \& KHAC-1300 Ariz/r/c, which was fair through KYNO/KWKW. The poor period around $2 / 16$ is definitely over \& NA is outstanding aqain.
JOFN W. HOOGERHEIDE - 3 Marquette Drive - Marquette, Michigan - 49855
Fourth Tues. r/c of WTAX-1240 Springfieid I11. 1ogged c:152:30. ID caucht at start of check, \& a new log, \#3 of the week. $3 / 2-R / c-T T$ on KDIM-1340 1-1:15; c/w mx tester w/Everly Bros. noted on $840 @ 1: 10$, I wonder if this is WVPO acain who were noted mx-testing last MM. Nope- ID @ $1: 20$ as WMOB, Mobile. Sav, on 1230 there was an interestinf TTer e 1:48 giving different cycle tones from $1 ?, 000$ down to 5 cps . Actually to my ear was inaudible before 4,000 cycles. They had a woman announcer who gave values. Tome played was only a

6 short burst before the next announcement. Very distinctive - did anyone else note this \& who it was? Finally © 1:50, man announcer said, "This has been WNOR conducting tests." So WNOR in Norfolk for new log. KIFI-1270 demolishing KFJZ

Kan IYON - 9415 Goodrich Road - Clarence Center, New York - 14032
WIXE TEST in weal w/some WHAM slopover, WCVR had its usual strong signals. DX WIXE TEST in week includes: 2/23-WIXE-1190 $1-1: 28$-plus good TEST \& asking for collect callas, WCVR-1320 heard. © 1:40am w/code IDs, mx , voice IDs, excellent strength. 2/25- WCOW-1290 heard w/f/c-TT 1:18-1:30am, bad QRM from WIRL/WFBG $2 / 27-$ KCHA-1580 heard $w / f / c-\operatorname{mx} 1: 32-2$, good strength for 500 w . Veries this week are $v / r-W J P F$. $v / q-K S Y L . ~ v / 1-G J N R$ WIID KXEO. CU later.

FRED OSTERMAN - 436 North Forest Road - Williamsville, New York - 14221 1610 brought Radio Nordesee in well here $2 / 23$ in $G G \mathrm{w} / \mathrm{rr}$ (Bob Dylan) 1:44, also WIXR TEST w 11, and WTXL Special, which I was lucky enough to stumble on. 2/18-SS was good 6:37, KwOA help. At 6 pm s/off on $1370 \mathrm{w} /$ mention stumbie on. first time here - I guess, a new station. New WADD regular here. WJCW \& WHAK first time here - 1 guess, a new station. 10 . WWUN sent OKed report to "Ole Keen Ears in Yankee Land", KELO sent $v / q$ for S.D. \#3. I haven't heard 844 St. Iucia since first reception. Anyone know best bet for Idaho, my last state, except Alaska? (1270 MMs after CHWK's 2:05am s/off -ERC) (KTFI, that is).

PEIE CIARIUS - 2583 Eastleton Avenue - Staten Is1and, New York - 10302
New catches this season are: WIBQ WCVR WVAB CHSC CHOM WUSC CJIR WVOJ WKND CBN WGCH WDEE $4 V E C$ and $\mathrm{N}-31$ located in Panama on 550 k , heard © 5:30am s/on w/only interference from CHIN, Three Rivers, que. On 12/29 I sent in a detailed DX report to WRYT, but like the previous TEST they have not answered. I know that stations are doing us DXers a favor when they do answer but when a persom takes the time to send in a report on a Special TEST progran \& sends along postage I think it is not very ethical to keep the postage and not answer a report. Then of course there are stations like WDEV at Waterbr rJ, Vt. that send a very detailed letter \& return what postage you send them. I think the new bulle tin setup is great including the fact that it is so much easier to read. Don't complain too much about slow mail delivery as far as the bulletins are concerned fellows, because as the guy said, "You ain't seen nothing yet". Keep your fingers crossed for the end of March. (Pete works for the P.O. so he must know something we don't know -ERC)

BOB FRITZ - Box 581 - Knox College - Galesburg, Illinois
This is my first Musing, so let me introduce mself. I will be 21 by the end of the month \& will graduate from Knox Coilege in June. I have worked part time in radio \& TV for five years \& I plan to go into that line of work af ter two years in the Army Signal Corps. I have been DXing on MW for about six months (\& recently began some SWL). I have been a member of NRC for four months $\&$ really enjoy it. So far I have 110 veries from 29 states \& ten foreign countries. My RX is a Sears Silvertone Model 4786 (AM/SW, ca. 1934). I live in the middle of an I-shaped dormitory, w/each leg of the 1 being about 100'. I've put a longwire in each attic \& the aluminum insulation makes an effective shield for very directional characteristics. It's all pretty crude, but surprisingly effective for DXing. DX has been fairly good recently - unfortunately, not much time to do very much about it due to a tough class sked. Here's what it looks like 3/2: WKCY-1300 TT @ 1:50; WNOE-1060 TT @ 2:45; KIX-1070 @ 3:23; KI2-560 @ 3:48, TT underneath, hWD?), CKWS-960 © 5:03am. 3/3: KCLR-1530 @ 1:39am. 3/5: WREN1250 @ 2:11 \& WKMI-1360 © 2:32. And this morninv as I was typing this (stili 3/3) local WAIK-1590 came on w/a test @ 4:55-5:18. I called the studio, but no answer -the CE must be $z t$ the XR \& I don't know the number. They aren't listed on the $f / \mathrm{c}$ list, so I'11 find out about it tomorrow \& let you know. Recent veries: Koyn $910(\mathrm{r} / \mathrm{c}) \mathrm{v} / 1$; \& $\mathrm{v} / \mathrm{q}$ : WILI-960 ( $\mathrm{r} / \mathrm{c}$ ); WIBW w/CM; KBIG-740 (TT); WSUN-620. Long-a-
waited veries: $K O A-850 \mathrm{v} / \mathrm{q}$ (since $9 / 7$, would you beliwve) \& WSPD-1370 (ten weeks). ERC, your Storer station on 710 is WGBS, Miami. Sorry $1 t$ took so long - you probably have already found out. Until next time, 73. (Yes, I had, Bob, and a hearty welcome to you and we hope you'11 be in these pages frequently! -ERC)
LEN KRUSE - 1675 Glen Oak Street - Dubuque, Iowa - 52001
Sorry to have neglected in sending reports on a regular basis to $D X$ NEWS, but brierly here's a mundow of some of my lateat DX. The DX TEST on 12/ 15 from MHHO-1320 Horne11, N.Y. was heard, although heavy QRM from ANer WILS. Then on 12/22 the TEST from KXRB-1000 Sioux Falls was a welcomed logging at this den. The Christmas morning DX from CJRC-1150 Ottawa was another addition to my DX IOg, but interference was noted from ANer CKOC \& CKX. One of the best catches of the season was the logging of the TEST on $12 / 29$ from WKND 1480 . Windsor, Conn. Later that same morning I finally logged ANer CFOX-1470 Pointe Claire, Que., the station we visited while attending the NRC Montreal Convention back in 1966. And the third logging on $12 / 29$ was the TEST of WWSD-1090 Monticello, Fla. who came into Iowa very well. Station KRDS-1190 Tolleson, Airz. was logged on their final few minutes of RS on $1 / 12 \mathrm{w} /$ interference from ANer KIIF. Then on $1 / 17$ I finally caught Station WKOG-1560 Gordon, Ga. w/one of their many after-midnight tests, $\&$ $\mathrm{w} /$ their 5 kw of power they came in nicely at this den. The new ANer WGOW- 2150 Chattanooge, was copied for the first time on $1 / 25$. Station WAVA-780 Arlington, Va. was a most-welcomed logging on MM 2/2 w/ANer WBPM silent. Then on $2 / 23$ the TEST from WIXE-1190 Monroe, N.C. had an amazing signal for just 500w, \& another new catch for me. The same morning ANer CHAM-1280 Hamilton, Ont. was copied for a report for the first time. Then, my first logging in the month of March was Station WAKR-1500 Valparaiso, Ind. testing $\mathrm{W} / \mathrm{TT}^{\text {b }}$ beneath ANer KSTP; thanks much to Roger Winsor for this fine tip! The latest verifications added to my collection included these: KIUI WHHO WKND GJRC WEKG WITI KRDS KFBD CFOX WINE WAVA KXRB WKOG KTHS WIXE. Keep up the fine job in publishing DX NEWS - ot's great!
G. Harley deleurere - Box 233 - E1k Garden, West Virginia - 26717

This time $I$ have only two veries to report. They are from WINR-680 Binghamton, N.Y. * WISE-1190 Monroe, N.C. Besides this I received a v/g from WEYR-780 Boston. WEYR is not only the first station to verify for me that never heard, but is the first to verify for me that I never heard of! Is WFYR some sort of a joke? In this Musing, which is short, I do have two main quest ons: 1- What is the correct address \& who is $\mathrm{v} / \mathrm{s}$ for R Belize- 830 ? I've had report outstading since $1 / 12$ to them \& I don't want it to slip by the boards a What is the correct address \& who is $\mathrm{v} / \mathrm{s}$ for Radiotelevisione Italiana? I've sent several reports to Italy but so far I've had no luck in obtaining a verie. If I can locate the friendly $\mathrm{v} / \mathrm{s}$, I' 11 bribe him to verify my receptions of Sasaari, Napoli \& Genova. I might say I believe th 4 trouble is that E isn' $t$ the secretary's cup of tea, because instead of ghtting a verie the last time, I recelved a kind letter in Italian \& ever since have been receiving "This is the Italian Radio-Television Calling from Rome "which is very interesting. This is sent from DAI at Viale Mazzini 14, 00195 Roma. I'd greatly appreciate help on the above. Thank you. What ever happened to Sid Rosenbaum of Wheeling?

RUSS WHITE IV - Branch Lane - Groton, Massazhusetts -01450
Hi all! As this is my first Musing a short biography. I'm just 16, have been $B C B D X i n g$ for ten months, QSLing for nine. RX- Oldie Hallicrafters S-38D, end new Craftsman 1969B five band. Totals are 143/29. Talk of greenioins 1'm a derk sreen! In fact people like R. Wood \& Gordon Nelson make me feel even worse, but wait ten years! I am a student at Laerence Acadery in Groton (Just over from Groton School) \& this \& Explores take a lot of time. Also SW \& FM DX, I collect coins \& stamps. Also I spend summers on Cape Cod working \& doing some DX. Best QSL to date: VBT Charlotte, N.C. or CFRB, Toronto. (Whoopee). Nell, that's it for now. WMTC (probably) Won't Make The Convention. 73 y'all. (Welcome also to you, Russ, \& we hope you' 11 be in this section frequently; -FRC)

PAUL K. HAFT - 2105 Muse - Fort Worth, Texas - 76112
I'm still caretul as a result of my flu problem so $I$ only spent a short time at the dials MM 3/2. An FRN prevailed (mostly distant lightning) but nonetheless this will go down as one of the most incredible nights I have had from here. KRLD-1080 signed © lam for the second silent MM, that leaves one more to go. Underneath was WKIO w/weak but readable signals. I checked their pattern \& they radiate 11 w this way, 740 miles away. Later $\mathrm{w} / \mathrm{WKIO}$ nulled, I was able to保 catch KSCO s s/off, very weak, but unmistakiable. One of their nulls faces KRLD
(and me) w/a calculated power of 6 w , heard 1,450 miles? This has got to be the (and me) w/a calculated power of 6 W , heard 1,450 miles! This has got to be the
most incredible logging $I$ have. KSCO 's pattern is relatively simple $\&$ is not vemost incredible logging I have. KSCO's pattern is relatively simple \& is not ve-
ry likely to be out of alignment, but I intend to double-check w/them to be sure. About $2: 30$, the tape nailed an ID from WTIC during a WKOO fade in between the crashes. WIIC radiates 6 kw . this way \& was not as strong as WKLO maintaining my experience of extreme difficulty working $E$ past the $0 .-\mathrm{Pa}$. border. Last year during two of KRLD's silent MMs, I listened on $1080 \&$ got zero. This time, three logs. Last year's loggings show that my best CX, especially to the $W$ were during early March. Maybe this year will be a repeat - I hope so. There isn't much time left before things become impossible. Eerlier MM 3/2, I managed my first log of CFC.-1060 \& of all things, KROD-600. Texas is quite a place. El Paso is 550 miles from here. I also got on armchair quality tape of KGBS after KSWS s/off. To Phul Sulilivan \& anyone interested in KYAK's pattern, I have the FCCaccepted proposal, C-T doesn't yet have a measured pattern. Their nulis are indeed $1.25^{\circ}$ \& $245^{\circ}$ and are very deep. If you live along these bearings, just hope something didn't work out right at the antenna. On the bearing of $105^{\circ}, 2.8 \mathrm{kw}$. is radiated; $140^{\circ}-4.9 \mathrm{kw} ; 160^{\circ}-11 \mathrm{kw} ; 1300-13 \mathrm{kw}$ (peak $S$ ). These numbers should let you figure out what your chances are. 73.

RICK MARR - 6912 West Park Drive - Hyattsville, Maryland - 20783
Howdy partners. DX in this den has been very slight in recent weeks \& all dastime. 1/27-WBZ-1030, first tim I've noticed this one here during the dev hours but now seems to be a regular during these cold wintry months. I heard WBZ @ 1:36pm w/ID \& MoR during the Larry Justice Show; is Mass: \#1 daytime. 2/5-WDOV-1410 noted @ 2pm w/ID. WDOV seems to be mixed w/WHAG in Halfway, Md. in the middle of the day here \& is Del. \#l for yours truly. So, two new states brings my, total number logged from Fyattsville to 79 from eight states, plus D.C., daytime DXing only. I've been keeping very busy lately w/schoolwork \& my DJ job at the U. of Md. campus radio station, WMUC-650. Then too, I've taken on added chores this semester w/the TV Workshop at College and in the sports department of WMUC. These have taken up most of my spare time. And as a result, DX has suffered. Locally, WWDC-1260 will again be the originating station in the Washington Senators BB network this season. If I can obtain a list of the other stations in the net I'11 send it to ERC. Meanhizie, WTOP-1500 D.C., formerly AN- 6 , is now s/off nightly © $1 \mathrm{w} / \mathrm{SSB}$, returning © $5: 30 \mathrm{am}$ each morning. Could this be permanent? Me certainly hopes so. WTOW-1570 Towson, Md. recentiy left the air "indefinitely", supposedly due to $\$ \$$ problems. This creates an open frequency for DXers in the $N \mathrm{Ma}$. S Pa . region. Stations toured lately include WYRE-810 Annapolis, Md. \& WDOV-1410 Dover, Del. Finally, I cast w vote for EDT in DX NEWS during the Sumer months. Happy everything.

BIIL AIISAUSKAS Jr. - 7 Avenue B - Haledon, New Jersey - 07508
I've got a couple more new ones to report, si here I am again. I'm now at 994 \& I think 1,000 will be reached this month. New $\mathrm{DX}: 3 / 3-$ WAYZ-1380 heard e 6:01pm s/off after WBNX s/off \& before WAWZ s/on. Toniéht, unns WFSR \& WIVR were there. WNCT-1070 6:13pm w/state \& local WX, also WFIR-960 for call change © $10: 26 \mathrm{pm}$, never noted at night while WDBJ. Questions: Tonight $(3 / 4)$ on 680 e $8: 15 \mathrm{pm}$ I heard an SS mentioning Puerto Rico a couple of times, is this San Juan? (It ain't WFKO! -ERC) Well, so much for that; I sure hope that the eclipse will pick things up. I've got no select channels to listen to, but I'll be looking. So much from here - 73 .

## IDXD Monitor Reports

Members' Loggings
Bob Foxworth, GPO Eox 2111
New York, N.Y. 10001
Telephone Tip No: 212-582-0844, usually after 2330 EST. Deadline is Monday; if you have exceptionally timely material you may call Monday AM around noon EST and it will be included. With the pronounced deterioration of mail service in the past several months even first-class mail delivery here in NYC cannot be assured. Please use standard width paper ( 8 " width for collating) or if you prefer postcards are OK. However again, timely delivery is sometimes "iffy".

Receptions: Evidently we are in the post-midwinter "slump" that seems to show up around this time of year. A dropoff in cx are another probable reason, too
540 Ecuador. HCFA2 Radio Tropicana on $3 / 2$ with excellent, steady signal at 0132-0144 when monitored. Plenty of stn IDs and all alone on the channel. (Kilroy, D.C.)
560 Ecuador. Radio Mambo, HCRMP hrd for first time here with AN pgmg "putas Mambo"; good, pop mx, ID at 0250 2/23.
** 590 Dom. Rep. Radio Santa Maria HIDV, La Vega (Santo Cerro) hrd here on 2/28 IDing at 2012, a move from 1200 kcs . (Objio, Dom. Rep.)
590 Panama. "R.P.C." hrd under the Cuban with basketball game, one of the XI Games, a match between Panama and the Virgin Islands. ID at 2338 on 3/1. (Objio, Dom. Rep.)
700 Guatemsla. Radio Mundial, Guatemsla on AM of $3 / 2$ AN with national elect,ions; only new logging that night, however. (Wood, Hawail)
854 Peru. Radio Nacional del Peru on $3 / 2$ with numerous IDs from 0354 to 0417 on AN, moderate strength on peaks with long, slow fades. (Kilroy)
870 Ecuador. Guayaquil's Radio Cristal HCNY2 very good $3 / 1$ at 0230 with the Cuban looped out. Many Radio Cristal IDs and at 0230 gave freq as well. Mostly vocals, a bit different from most Latin stns. Taped. (Conrad, Fla)
880 Guatemala. TGJ Radio Nuevo Mundo with ER originating from YSU - yes! at $02003 / 2$. Extremely strong signal but very confusing IDs. Also noted this pgm on $\mathrm{TGTO}-824$. Had some great mx between reports. Had many mentions of La Revolucion. Can someone explain why YSU was doing the feed to the Guatemala stations? Newspaper says that Guat. was the country having the elections. (Conrad, Fla.) (apparently the "revolucion" has to do with the group who recently kidnaped one of our embassy people; held for release of 3 terrorists captured by Govt. there, in a trade; have no idea where YSU comes into the picture. Suggest you query boys at Langley -Ed.
900 Mexico. XEW with bullfighting, ads, IDed at $01132 / 27$. (Objio, D. Rep.)
919.5 Colombia. Fmisoras Fuentes, Cartagena. 3/2 0530 ususl Todelar "Somos Profesionales" ID. Concluãing pgm "Musica de Colombia". Signal now on this (low) side of KMTH. (R1chard Wood, Hawaii)
980 Venezuela. "YVTV, Exitos 980 " Maracaibo. Stn hrd here on $11 / 2$ is now IDing with this slogan, was so noted $07002 / 22$. (Objio, D.R.)
1090 Hawaii. According to local press reports, KFAI will now return to the air in May. (Wood)
1100 Colombia. EJAT Barranquilla. Radio Reloj. I got a positive ID for Barranquilla at $01003 / 2$ including freq, Caracol, slogan and location. I didn't know they ever did such a complete ID. Taped, too. A very strong signal with the other Radio Reloj beneath them. (Conrad, Fla.)
1114 Colombia. My unID on MR $2 / 7$ is Radio del Comercio, HJGH Bucaramanga, even though I hrd it for the first time on Nov. 26, I forgot all about it; hrd again with ID 2113 2/28. (Objio)
1171.2 Honduras. HRVW San Pedro Sula, La Voz de Centroamerica. This is my unID here. Listed 1190 as Radio Centroamerica with SW // listed as L.V. de Centroamedea. Plays various types of music, from U.S. MoR to latin fast Ihythms. Listed as $1 \mathrm{kw} d, 6 \mathrm{kw}$ nights and signal seems to bear this out.
(cont'd)

This one has taken a year to ID. S/opf at 0000. All this noted evening of $2 / 27$; positive ID noted at 2330. (Conrad, Fla.)
1230 Colombia. Radio Calidad, Cali, hrd with pop songs, first time, ID at 0029 2/27. (Objio)
1292 Colombia. Ondas del Puerto, HJKY Girardot. Very good. This is my stn hrd here on $11 / 28$, heard again to check on 2/27, IDing at 0100. To GPN, could this be your unID stn in $2 / 14 \mathrm{MR}$ ? DFed $203^{\circ}$ and I did not hear a Cuban on this freq. (Objio)
** 1455 Dominican Rep. Radio Ozama, Santo Domingo, heard testing since $2 / 21$ when on 1470 , was on $14532 / 23$, on 1457 the next day, then on 1455 from $2 / 26$ to $3 / 1$. No info available yet. (Ob,110)
1457 Rumania. Tester recently mentioned on this freq is almost certainly Craiova. I remember it from my days in Europe as doing far more TTing than most Europeans, and it even seemed to broadcast some "numbers messages after the end of its RS. Very of ten on with TT around that time of day. (Wood) (Tnx, Richard-ed.)
$* 1510$ Colombia. La Voz Panamericana, HJHX Bucaramanga, hrd for the first time on $3 / 1$, IDing at 2228, pop Colo, bian songs, ex-1505. (Obj10, D.R.)
1575 Costa Rica. Hrd this at 2314: "Columbia y su cadena de emisoras en Costa Pica" cad was hrd $3 / 1$ with just this ID. Played pop mx, TC, had advertisement.s. (Onjio)
Dom. Rep. Emisora Cultural, "La Voz de las Fuerzas Armadas" (armed forces), Santo Domingo, started testing on 2/23, hrd at 2045. (Obj10)
1602 w. Germany. Bayerischer Rundfunk hrd with continuous orch mx from 2245 $3 / 1$, very good reception, ID in German at 2300 and this was the first time hrd. Niso noted Langenberg-1586 then. (Obj10)
1610 International Waters. Radio Nordsee International. Pgm info. S/ofe is at 1900 and on at 0000 . At s/off is in Figlish and I believe s/on is in Dutch. Either that or German, but has as english" sound to it. Was badly QRMed by a "beep-beep-beep" on 1611 and by beacon RAB on 1613 (PAA almays Rabinal, Guatemala-Ed.). Has been hrd every day since 2/ 22 here. (Conrad, Fla.)

1466 Monaco. Radio Monte Carlo sent post card verie in 2 months for 1466 kHz . Date and verie statement given only, card shows xmtr antenna and flag. Unsigned. I had sent 2 IRC's. (Chris Lobdell, Reading, MA) (welcome to IDXD, Chris!)

Back of the file...it's almost as if the season ended already, hi.. Richard Wood pens, "North American DX continues outstanding and occupies my time so still not very active in foreign DX. Am trying to boost state totals over the present 40 and provinces over $7^{\prime \prime}$....We (editors/publishers) will be looking into the merits of changing our times used in the columns; we ve been tossing ideas around for a while and the Eclipse DX-party on $3 / 7$ gave us a chance to talk at length. IDXD is willing to consider using GMT; Musings and Domestic will likely stay on EST or something - let us know what you want to see used in each of the various sections. I'm willing to go to GMP if you do. Watch the Boston Publ. Comm. page for info. ... Speaking of the Eclipse, a full report on what was likely the largest assembly of receivers assembled for reseiarch without Govt. or military sponsorship should appear soon in DX News. DXing from Ray Moore's in Walpole, Mass, we noted Greenville, N.C. atop 1070 at 1345 with WKOK behind; 15 minutes later it was all CBA at s-9. They even missed the "Maritimes" ID at 1400 , evidently were otherwise occupied just then, h1. Nothing foreign was hrd but much beer and Heroes was and were consumed \& the Moores' hospitality was superb. Now... on June 30, 1973 another Eclipse will be seen...this time in Mauretania and Sudan...who wants to go along? Hi. Maybe we will even hear Tchad then...

Heport froa Thatland
-Clem Hauser
(items below were logged Prom Khorat, Thailand - also known as Nakhon Ratchasima)
540 So. Vietnam. AFVN Baigon is no longer hrd here regularly; is either off, moved, or reduced power. The net feed still operating routinely, as are all other stns, including 547.
547 So. Vietnam. AFVN Pleiku. Still here as of mid-February. Noted at 1404 on 2/11 with very weak modulation, altho carrier comparable to 540 . Was corrected the next night; even then it is easy to tell who is the originator and which is the relaying stn, by the deterioration in audio quality.
580 unID. Inspired by the TP reception reported in DX News, I sat on this "clear" channel, hoping for North America, $2 / 16$ and around 1805 noted a promising rumble, very weak, but nothing came of it.
645 Iran. Must be Tabriz here, $2 / 61415 \mathrm{w} / \mathrm{EE}$ rock and Middle East vocal mx separated by a YL anmt, in, probably, Farsi. Peking silent, of course.
655 So. Vietnam. Re recent report, Hue station is on 655, Judging from lack of het with No. Korea, eyeballing dial calibration, etc. (Glenn originally did report this as 655; previous reports in years past had listed this one on 654 and evidently they've moved. My apologles for the change I made -Ed
67\% Qatar. 6iBS, Doha good 2/8 at 1402 with nx in Arabic, at 1412 playing Western thnes. Seamed to s/off around 1430. New country. Muscat and Onan. BBC, es of $2 / 8$ definitely here and not on 701 . Noted at
$1406: 30$ in Arabic singing 1406:30 in Arabic singing // 719 and hetting 701 .
726 Greece. Athinsi, $2 / 8$ I 420 segues, 1430 ms with 3 wide pips, Greek anct. New country, aside from Fhodes. Also on $2 / 6$ at, 1428 an SAH of $115 / \mathrm{min}$ (almost 2 Hz ) and 1509 operatic mx .
155 Pumania. Thile faming at minimum, $2 / 10$ at 1439 a YL vocal snuck thru... on relistening to tape, detect some Rumenian characteristics. New country.
309 India. VUD Delhi at s/off $13312 / 14$, anct, short, vocal anthem, and OC for a while. Noted an SAH so unlikely it's on 809.5 kfz . (perhaps they have moved here to minimize het QRM Prom USSR or someone on 809 even -Ed.)
854 Rumania. Bucuresti I (but with 2nd pgm) steady and strong $2 / 171447$ with chamber mx, 1448 brief YL anmt in Rumenian, into pop vocals. 1500 IS and "aici Bucuresti" and seemed to give wavelengths, then into concert. 4810 mi
863 Armenia. Anmt, Internationale, ending Farsi (sked) pgm from Yerevan at 1357 2/12. Think it's a new country, hard to keep track of them all...
070 So. Vietnam. VTVN Saigon, Viet C\&W mx, talk at 1408 2/14. Dhring the previous hour they play concert mx, great for sore ears here; always a low het from Thai (?).
(Bg0 Saudi Arabia. Danmam, ME (Middle-East) mx 2/8 1257, 1259 ID in Arabic, and had a TS! which maybe someone else as sun time isn't that precise.
951 Thailand. Noted every night until late, perhaps AN, with a warbling het against 950. Light mx, occasional soft YL Thai anmts, 1515 2/16.
972 Ukraine. Probably the AA I guessed was Cairo earlier. Radio Moscow, Kiyev, sked in Arabic and so hrd $14132 / 10$, some strong fade-ins but bad HLSA QRM
1002 Korea. Korean talk noted for first time here at $15352 / 16$; belleve it is North Korea 1006 xmtr drifting. Also was an OC before 1500.
1010 So. Vietnam. VTVN Saigon, seemed parallel to 870 with concert, in well briefly at 1313 2/14 with Hanoi silent.
1016 Azerbaljan SSR. Baku, $2 / 101240$ talk in unID lang, probably Azerbaijan but at 1409 M\&W in Russian on Vietnam; excellent modulation on fair sig. 1.5 Hz SAE too. 2 stns mixing $2 / 12$ at 1257 , and at 1259 IS , folo by " Hf NI Baku", M\& talking, chimes, 1.3 Hz SAH with other, probably SWF. On 2/16 definitely had German taik during Baku silent minute at 1359 but latter dominated at 1400 with HS.
1000 Ryukyu Is. KSAB, FEBC, Naha $2 / 101259$ fair and clear, in "Nightwatch" pgm, inviting fonecaila for colorful calendar and Billy Graham booklet, repeated

1025 RSFSR Asia. Tomsk, Mayak IS, TS and nx, 1559 2/iO. Weaker than Tashkent which evidently left air earlier... still having trouble keeping apart. Uzbek SSR. Tashkent very listenable $2 / 14$ at 1249 with Nat King Cole song in Spanish, Comie Francis in Italian. Some dunce in barracks area turned on a TV at 1253, ITV ruined signal.
1025 Israel/Austria. Arabic $\operatorname{mx} 15202 / 16,104 / \mathrm{min}(1.73 \mathrm{~Hz}$ ) SAH developed into German taik at 1521 ment Ósterreich twice during Israeli fade. Soviets were off at the time but a TT after 1530 was no doubt from USSR. There was Chopin IIX at 1526, piano, not sure Prom which.
1037 Philippines. 2/16 1622 a singing ad in English, TC for 5:23 in Tagalog, doorbell. Distinct from the 1041 variant...evidently each Filipino stn wants to squat on its very own freq.
1041 Philippines. Station here ( 4 listed on 1040) must be DRRI, Bol:nan, Dagupan, Luzon, if network $/ /$ 's given in ARC's WRIVH' 70 are to be relied upon. On 2/18, at 1336 was 1160, calling in \#4; noticeably relayed, perhaps off the air.
1061 Turkey/RsFSR Euro. Usually just Diyarbakir here aiound this time, China at other hours, but $2 / 16$ at 1429 noted usual strong Turkish talk, under which was one of the Soviet IS's. Saransk, Mordavian Rep. capital, listed.
** 1150 South Ryukyu Is. Japanese talk began at $15002 / 13$ but didn't catch ID, also mixing with So. Korea TS, etc. This is a Ryukyu Hoso relay, down the chain. (This is indeed a new country; see DX News Jan 3, '70 GPN's IDXD section. This qualifies under the 50 -mile separation rule. -EA.) So. Korea. HLCW, K.B.S. Wonju, // 740 and $70 \mathrm{w} / \mathrm{mx}$; $130 / \mathrm{min}$ SAH with Ryukyu Hoso sta, 1506 2/13.
1160 Philippines. DZYL, Bolinao, Meycauayan, 2/18, 1325 mostly in Tagalog but some English, covering anti-American demonstration, calling in remote cars. SLP (special late pgm--an abbreviation originated by NASWA-gh) as never hrd this late (or ever, hi) before. Was // 1041 and later found pgm on 960 also. A low het may have been from Dushanbe. Called itself "Action Radio" appropriately, as the studio anncouncer was obviously excited in participating in a real news event. At 1348 he thanked everybody for their help in the coverage, esp. ABS/CBN. He mentioned only DZAQ and DZYL by name, but also "l4 other stations" down country. Then a contrastingly eloquent anti-violence PSA; 1353 s/off for DZYI only, giving licence number, date of expiration, names of duly licensed operators (as all Philippine stns are required to do), 1355 anthem and off. China., probably southwest, Radio Peking to India in English, I\&C 1331 $2 / 14$ with some quotations from Chairman Mao on love. Taped and will enjoy this for years, hi.
1240 North Vietnam. Hanoi, good at 1812 2/6 with folk music (Pete Seeger, Peter Paul \& Mary, etc.)...almost like back home. Songs tended to be anti-war, which tend not to be played on AFVN.... (do tell -Ed.)
1280 Af ghanistan. Many moraings I have listened here in the half hour before sked $1330 \mathrm{~s} /$ off, and usually detect a signal, but Jap dominates. I am sure it is Kabul, and am getting a bit tired of waiting for it to override, hi. At $13252 / 17$ nondescript mx mixing w/Japan, 1331 yelled a couple of words and cut carrier. Only 2450 miles.
1300 Philippines. AFPN, definitely, with news // 1510 by an airman 1 class 2/18, AFPN ID 1405 but no local ID; 3 listed: Subic Bay, Mactan, Baguio.
1312 RSFSR Asia. Radio Moscow IS, opening in Chinese 1630 2/14, altho sked on "228 meters" which would be Chita, 1315 kHz . WRITVH' 70 Radio Moscow, Mongolian and Peace \&Progress skeds each designate a different wavelength: 228, 228.8 and 229, but skeds mesh with some gaps, and I think they're all the same xmtr and freq. Perhaps this (existence of contradictory listings) proves that P\&P is an "independent" station, hi.

Report from Thailand
1324 Philippines. DZSI unlisted call, hrd twice during s/on $16052 / 8$ by YL DZRD also ment, as was "-a. Broadcasting Corp." Later, loca ancr ment DZSI and 1320. This station evidently DZSI, Santiago, Isabela, Luzon and the other stn. DZRD-1010, NBC net.
1340 Northern Ireland. BBC Radio 4 under/over Asian stn 2/17 1528 w/documentary on welfare; best on lower SB; peaked over Asian 1532. My first TA logging on this channel and although it isn't a graveyard over here, it's still very satisfying. 6076 miles and new country bere.
1360 Eyukyu Islands. KSBU, FEBC Naha (some sources say Okuma -Ed.) playing Chinese mx, not noticeably evangelic, and into Chinese talk. 1532 2/10. Evidently Peking doesn to bother to jam it.
1410 Muscat and Oman. Couldn't resist logging BBC Masirah since it had a very nice, clear signal, and taped it, at $13292 / 14$ ending Radio Newsreel, promo, and local ID for "Eastern Relay Station, with programs from Lon don." Then into Theatre of the Air. I assume the reason this isn't on 1412 is that it is intended for South Asian reception where "even" numbered channels predominate.
1421 Philippines. Another variant, no call heard, 2/8 at 1622 "Caaalll foooor Philillifip Mooorrrissss" ad (remember that?-gh) (better ask ERC,hi-Ed.); Tagalog talk ment Pilipinas, English countdown to music 5-4-3-2-1; good while it lasted.
1460 Philippines. DZBU, Bulletin BC, Bulacan, $16202 / 8$ ID by YL, US pop mx, good modulation. "Dee Zee Bee You -- Catorce Sesenta.'
1493 RSFSR Euro. Leningrad playing Internationale (sorry, REW) hasn't been logged since. (Question had been raised whether USSR stns played Interm nationale or whether this was just a Chinese phenomenon -Ed.)
1510 Philippines. AFPN Clark AFB, TC and ID, news, $14002 / 11$ for tape.
1511 East Germany. Radio Berlin Int'l. $2 / 71413$ German, along with a $320 / \mathrm{min}$ SAH ( 5.3 Hz ). They sent packet of magazines and 4 nice FDC's--but no QSL. 1550 Japan. FEN Itazuke, in well $2 / 141258$ with Nightbeat," then first aid PSA, jingle ID, and news intro a la NBC - but, unlike NBC, they played the wrong voice insert cart at top of news. Have it on tape, too.
1560 India. Siliguri listed, AIR, Indian talk 2/21 1231, anthem and s/opf, over AFNT.
1570 Japan. FEN, Chitose/Sasebo each listed 250 watts, // 1550 2/23 1357 and 6 seconds away from 1560-AFNI in canned AFRIS pem; but 1580 and 1590 not.
1610 International Waters. Radio Nordsee International, $2 / 171545$, "Raindrops good for tape, again at 1630. 1651, "Please--keep on listening..." and into German. Seemed slightly above 1610.

Having added an Akai X l20D tape deck to my shcak, I'm rediscovering the joys of taping $D X$. Middle East $D X$ was particularly good the week of $4-10 \mathrm{Feb}$. Am hearing more and more Filipinos, many with calle represented only by blank spaces in the ' 70 WRIVH. Also, quite a few AN Japanese not so listed. $2 / 8$ omispaces in the 70 WRIVH. Also, quite a few AN Japanese not so listed. $2 / 8$ omi-
nously produced some atmospherics, but local noise level has descended somewhat at times, permitting audibility of some sigaals barely jiggling the s-meter.
11 to 16 Feb was another week of DXing every night after midnight, never before and was usually too drowsy to stay up till sunrise. However, on the day I did, there were some good signs of North America. Digging deeper on TA channels, I have come up with a number of new stations/countries, plus some re-loggings for tape. My DXing hours and cx appear to favor stns to the west, but $I^{\prime} m$ beginning to think my antenna and terrain may also.
TA's remained excellent on $2 / 17$ but were rather poor the rest of the week of $17-24 \mathrm{Feb}$. On the $18 \mathrm{th}, \mathrm{P} . \mathrm{I}$. stas were on late with riot coverage, so some TA's may have been missed, altho several quick band scans showed only weak signals in usual places. TA's virtually absent the ligth and all signals lower than usuan

Evitan:

Hello asain. All kindsa interesting stuff this time. No DX for me M 2/9 as I was doing the WRAN-1510 TEST. More on that later in its own place, and at the end of the column as space/time permit. Funny thing tho'... the PD called me before I left for work this AM (I got home 0530, he called 1100 ) to say if I could get a list class FCC license, they'd hire me instantly as result of my anneg. on TEST. It's only like it'd be almost a $40 \%$ cut in pay if I could, hi.
(

560 unTD
580 CKWW-On
620 CKCK-Sa
690 CBU -BC

* 840 WOB-A1

860 KTRB-Ca

Clobbering CFNB 0317 2/26 (Eric Floden, Ontario) Welcome-RjE AN cccw w/ CST TC's $2 / 26$, sounded like KLVI??(Floden) Loud u/ TFPA null AN $2 / 26$ (Flocien)
Must be the one w/ cow \& phone calls $2 / 26$ (Floden)
AN CBC after CBF s/off $2 / 26$ (Floden)
ET'ed all MM 3/2 (Jerry K. Conrad, Haines City, Fla)
DX logged 'til $05272 / 22 \mathrm{w} /$ vocal hymns, anncts., also $\mathrm{w} /$ 10 second tone pds. betw. records. $\mathrm{V} / \mathrm{q}$ in $3 / 2$ (Jerry Starr, Youngstown, Ohio)

* 900 WJWL-De

Hrd w/ TT \& ID 3/60045-0100, so possibly r/c. (Page Taylor, Butler, NJ)
920 ImHalin A real surprise, powerful w/ o\&w 0140 2/19. S/off w/instr. SSB 0200, $\nabla / q$ in 5 days. (Starr

* 960 IFLN-HIt


1000 WWVV-11
1020 kais-da
2060 KFID-Ix
WRIO-20 WVCG-F1

KSCO-Ca Incredible log at 0207 (Hart) $3 / 2$ s/off. Pettern shows 6 watts 0 Ih50 miles. (Hart) Nice-RjE
WTIC-Ct Finally taped ID 0230 3/2 during WKLO fade. Weaker than WhLO or KSCO. Shows 6kw out this way. New England is rough out here. (Hart) (Some parts of N.E. are rough HERE-RjE) Annced s/off as $04103 / 2$, hrd mx , ID 0350 (Hart)
*** Just a note here, Paul... Jour computations of wattage put in any direction are made on the basis of maps which deal in zroundwave only, and therefore, the skywave component of the signal, which is all you hear on any jood DX catch is generally totally irrelevant to the groundwave siznal from a standpoint of propajation. If the skip is working, you'll hear a station whether it puts 6 w . or 6 kw . toward you on sroundwave. -RJE $n * *$
1100 EIFRX-Ca Probably the one w/ EE rlizious \& Gospel prograns hrd in bits and pieces 0208-0330 3/2. No ID's hrd. Is this them, WC'ers? (Jerry Starr)
1190 WIXE-NC TEST in well 2/23 w/ rr past 0230 (Starr)

* 1200 GFFB-NWT Hrd very poorly on DX 2/23 u/Cuban. Clear code ID 0230, bits of $m x$ \& ID's thru 0340, but not much. Lotsa $2 R N$, too. (Jerry) Hrd w/ many D's OIO5-30, voice \& cH , mention of IRC. Cuban nulled, u/NOAI emerg. XR tert. (Ross Hansch, Wis.)
c is 3rd WM 0320-0335, hrd 2/18 (NRC)
R/c is lst SuM after list SaM 0130-0145, hrd. 2/8(NRC)
Had ET-mx 0145+ w/ r\&b, potent sigs, 3/2 (Page)
inally a beautiful tape ID $02003 / 2$ after KST's s/off w/ +10/S9 sigs. (Paul Hart, Ft. Worth, Tx)
(Hart) $3 / 20100$ for tests. .his is 2nd $M$, should be one more. (Hart) That means they should be off oncet more -RjE Dominant but weak after KRID s/off 3/2. Patterm shows 11


1270 MTIT-7 1290 WBL-i゙y NOTE-N
 NaxIm: 1360 צTITーK


## 1390 1:212-90

 11,10 $\mathrm{CF} / \mathrm{ID}=22$```
1/,50 :WNKL,-7%
```

1480 1 TOS -12

$1190 \quad 1021-\mathrm{Pn}$
$1500 \quad Y: O P-D C$

(2012
S/off 0115 2/26. ET/OC/TT $\operatorname{til} 0330$ (Floden)
$\mathrm{R} / \mathrm{c}$ is 2nd TuM 0170-0120, hrd 2/10 (INRC)
$\mathrm{R} / \mathrm{c}$ is 2nd SuM 0530-0545, hrd 2/8 (NRC)
$\mathrm{R} / \mathrm{C}$ is and M 0345-0400, hrd. 2/9 (MC)
$\mathrm{R} / \mathrm{C}$ is 2nd IM 0545-0600, hrd. 2/9 (NRC)
Wx \& "soul rusic for the Detroit area" 0240 3/2 (Page) Expect this one to do lotsa testing soon, as they have real bad XR problems $w /$ spurs : harnonics all over the dial. May well do many tests before miduitht, as they have bly. (Comrad) ET or $\mathrm{f} / \mathrm{c} 0015-00303 / 2 \mathrm{hrd}$. (Page)
(ex-chlp) Hrd apnarently on RS w/ rood mx \& bilingual D's (ex-chlp) Hrd apnarently on RS w/ good mx $\%$ biling
$\mathrm{R} / \mathrm{C}$ is lst M 0330-0345, hrd. $2 / 2$ (NRC)
$\mathrm{R} / \mathrm{c}$ is lst MM 0330-0345, hrd. 2/2 (NRC)
$\mathrm{R} / \mathrm{c}$ is ist TuM 0030-0045, $2 / 3 \mathrm{hrd}$. (IRC)
$\mathrm{R} / \mathrm{c}$ is Ist TuM 0030-0045, $2 / 3 \mathrm{hrod}$ (NRC)
$\mathrm{R} / \mathrm{c}$ is 2nd FM, 0330-0345, hrd/ $2 / 13$ (NRC)
$\mathrm{R} / \mathrm{c}$ is 2nd RM , c is 2nd Tul after 2nd $\mathrm{Er}, \mathrm{Ol}+5-0200$, hr
Noted off 0130-0330+, tho' generally AN-6 of W. (Rick Marr, Hyattsville, Md.) 3/4...

Hrd w/ ciw \& ID 3/4 0130 (Marr)
Hird testing $01303 / 4$ (Marr)
Was AN $3 / 2$ evidently 0100 MM s/off is in error as listed in log. (Starr)
Hrd w/ TRCA special not listed anywhere caught by surprise $041883 / 2 \mathrm{w} / \mathrm{TT} \mathrm{mx}$. (Starr)
Many ID's on IRC TEST, w/ club mention. A Mexican(!) standoff w/ XeRF (Hansch, TVis.) Groan-RjE

## sunrise \& daylime

m 1450 WOL -DC Noted off $09103 / 4 \mathrm{w} / W I L M$ \& unid rr hrd there. (Marr)

## sunsel evening

NOTE: All items lozyed during the eclipse will be noted w/ a sjmbol: \% in maryin for those who wish to compare notes.-RjT

Noted on top $1330 \mathrm{~m} /$ soul mx $3 / 7$ (Page) On top w/freq. ID'ss soul mx 1346 3/7 (RjE) Hrd $13453 / 7 \mathrm{w} / \mathrm{soul}$ mx (Bill Alisauskas, Haledon, RJ)
1140 ratVa-Va No sign up to $132 \theta$, then up to 57 , then jone a ain by 1331
1210 HADE-NC
1300 RNH-NY Had special DX-Tclipse Dm, talking quite knowzedgeably (sic) about effects of solar ecliose on $N$ propagation, and ascin] for distant calls, ran 1330-1400 3/7 (Page)
1530 WERX-Mi
unid
WPNO-iHe This newie hrd w/ SID, then vocal one on tape replay 2400
Ird w/ Ai $n x$, then tag story about Michigan State politics, but faded bl ID , but am fairly sure this was it. ( $\mathrm{Rj} j \mathrm{D}$ ) Hrd w/ Ac $n x$ here preceded by rr $13553 / 7$, is this only Hrd w/ Ac nx here preceded by rr 3/7 (RjE)
\% 1550 WWN-ika Had to be the one w/ prosressive rr ( Ilectric Flat, etc.) Had to be the
$14173 / 7(\mathrm{RJE})$
1600 WTCA-Ma Hrd $18003 / 6 \mathrm{~s} /$ off u/WreL (Paget)

## changes

+560 TNKL-NY Is on per Broadcasting and, no Less, Cooper-Trent, tho' not hrd here jet u/ivitL (RjE)
+980 TONEOH CP is on. ( Rj S )

Is ready for switch to 50kw. Temporarily operating on 10 kW . IDA to "pull in" the pattern for the 50. Still 1000w/ CH. (Starr)
Eden (no zip available anjwhere) 1000 Dl (R.jE)
Lexington, $27292,1000 \mathrm{D} 3$ (RJE)
Is on. (Dick Truax, Charleston, WV)
SCH: $24 \mathrm{hrs}$. SPU (Hart)
CP is on (1000/250 ת) RjE
CP is on (R,jE)
CP Lif on (RJB)
CP is on (RjB)
CP is on. $(\mathrm{RjJE})$
CP is on
CP is on (RjE)
CP: $5000 / 1000 \mathrm{U3}$ (RJE)
CP: 5000 DI , po: I 340 ( RjE )
CP: 5000/1000 Un (RJE)
LOC: Eden (no zip) ( Rj J )
CP is on ( RjE )
Is on RS, per Cooper-Trent ( Rj F )
Ist broadcast day is Tues. 3/10 0600. (RjE \& Bruce Zuckernan list broadca
Clark, NJ)
Is off the air due to financial roblems. No other details available at present. (Marr)

## 1/C's

KLEO-1480, WEVE-1340; KCII-1380; WBCI-740; WDR-1080; WSIG-790; WAFC-900; WEVA-860; WPLB-1380; WWBZ-1360; WHBG-1360; KFVS-960; WHIS-14 40 ; WPRT-960; WBRN-1460; WCCR-1580; WGNE-1180; WBIR-12hO; WPVV-1580; WCIS-1460; WOX1010; KLUC-1140; WNJH-1580; WCAZ-990; KALO-1250; KCHR-1350; KNOX-1310; KIJV-1340; KWLA-1530; KWRF-860; :TPAD-1450; WIRV-1550; WEZJ-1440; :NKDO1560; KJSK-900.

## NOTES ON THE WRAN DX-TEST...

Due to the auroral cx which helped to stifle the possibilites for long distance reception during the $3 / 7$ solar eclipse, cx on IIf $3 / 9$ also left something to be desired. Also, testers were all over the channel. JLAC s/off'ed © 0200, but ran OC/TT sporadically all AM, CJiS was on W/ RS, and late in the AM, TMEX ran OC. On the TV, KSOM ran OC/TT minch of the Mif. First call proved the 3rd most distant, from Jerry Conrad in Haines City Fla. Later, Larry Wodwin called Crom Denver to report that he'd secured a 15 minute standay from KSOM, and would we nrotran w/ the 10 kw . He called back shortly, and becane the 2nd most distant listener. The most didtant was Dennis Pimper of Brisham Sity, Utah. All in all, it was a good test despite cx, tho no calls from Boston or Jorth, or from the SN. Distant callers in other directions included Dick Truax in Jest Virginia, and callers fron Toronto, Huffalo \& St. Joseph, Ji. Also from Wes Boyd in Youncstown. Most distant reports on lkw day pattern were from Utica, N. Y., and Greenbelt, Kd. On 500 watt nite patterm, from Ihila., and Utica. Yours truly, Ted Savase of WRAN, and Rich Phoenix of INRY, a friend who lives nearby who also worked the test, were extremely pleased with the results and will be anxious to get all the reports tojether. I taped most of the calls, too, so I do somewhere have a record of it all, hi. It's possible that we may decide to man another TiST, but one of shorter duration on either $4 / 6$ or $4 / 13$. Watch the bulletin for info.

HARRY L. HEIMS Jr. - 115 West LeRoy Street - Fort Mill, South Carolina - 29715 Howdy y'all. WIXE TEST netted 74 repotts as of $9: 15 \mathrm{pm} 3 / 4$ Reports from 23 states, including Texas where we figured KIIF would wipe WIK out. Answerine these reports has been quite an education - I think I'll write up an article for DX NEWS based on my experience. If you have not received a reply by the time this is in print, \& you mailed a report prior to $3 / 5$, your report either is not correct or you falled to send return postqge. The comedication to $\operatorname{NBC}$ \& the incomrect time cherks were sneaky devises to netect, those who tried to fake reports. Unfortunately, one did. AndI can't be responsible for your
 getting a I A strang event this week. At I am on $3 / 5$ I received a phone call from the CE at WYCL-980 in York, S.C. He in formed me that he was running a $\mathrm{f} / \mathrm{c}$ in 15 minutes $\&$ asked me to report it. I was so sleepy I camot recall what I said, but I promised to listen. Two questions: How did he know my phone number, since it's not listed in my name? And, how did he know who $I$ was \& that I was a DXer? If he is so friendly as to call me lons distance, he seems like a good CPC prospect. I'm now working on the case. 73 \& good DXing.

ROBERT IIGON - 539 North Firestone Boulevard - Akron, Ohio - 44301
By the time you read this I should have moved. The new location is only about eicht blocks away from here but the DX micht change because I'll be $\frac{1}{2}$ mile further from WAKR's XR \& I'Il have a couple of lingwires up by then. Lately DX has been very rood. DX: 2/13-11:40pm, CKSO 10cced u/ETAR. 11:49, KGHL-790 Mont. logged w/WTAR slop (George was nice to tip me about that). 2/166:29pm, WRCD-1430 Ga. w/its s/off. WHIS-1440 u/WGIG Ga. (2) 6:30. KXOK logged u/ CFCO-630 Ont. © 8:30pm. MM 2/23-KRGM fading in \& out © $12: 30$, $12: 40 \mathrm{KSO}$ good w/ $\mathrm{c} / \mathrm{w}$, WIXE TEST blasting in @ $1: 15 \mathrm{w} / \mathrm{rr}$ \& taking collect calls, $1: 37$, WHOT u/KFH 1330, $2: 03$ CHLO s/off, $2: 12$ IIXE still on. $5: 3^{\circ} \mathrm{pm}$, WIMA-1:50 s.C. w/Mutual NX 5:40 WFHR-1320 Wis. I wes too lazy that Monday to send reports. 2/24-GJRS logged w/NX u/WMEX. Tim tipped me off about R. Belize on 834. I had them logged from 11:40pm to 12:09am. What goes? They amounce the frequency as 830 \& so does the Summer Ed. but they were on 834 ?? $3 / 1-1: 15 \mathrm{WHBQ}-560$ fair w/rr, 1:16 WIND-560 III. 1ogred, 1:30 WLAV-1340 Mich. MM 3/2-2:38am, WFIL-560 Pa., 2:52 WQAM ID end of TP, 3:01 WIAP testing w/rr, 3:01支 WMAL ID at end of test. 3/3WQAM ID end of TT, 3:01 WLAP testing W/Tr, $3: 01 \frac{1}{2}$ WMAL ID at end of test. 3/3-
12:09am, CFRA u/unID station. That's all of the decent DX. CX have been very 12:09am; CFRA u/unID station. That s all of the decent DX. CX have been very
good except for MM $3 / 2$ which had a lot of static. Reports out to CHLD R. Belize good except for MM $3 / 2$ which had a lot of static. Reports out to CHIO R. Belize
WIXE WIXY WHAM WMM. F/ups to WIP \& WAKY. Veries from CBK CBW WKW WJR. Totals: WIXE WIXY WHAM WMMN. F/ups to WIP \& WAKY. Veries from CBK CBW WKW WJR. Totals On the rise $293 / 44$ in 37 states, six provinces, nine countries, 33 new logeincs since last Musing. I am starting to collect SCs. Some day I will have some
trade. School has sort of been holding up DXing but it comes first. School, that is. On my Spring vacation from 3/21-30 I'11 be very busy DXing. 73 ,goodDX.

PAUL KILROY - 2113 Fort Davis Street S.E. - Washington, D. C. - 20020
V/1 \& v/q from ORF-1475 Austria, for country \#34 here. To George Kellev: I checked the map in the front of WRTH which gives approximate location of BBC studios \& Stasshaw is SE of, and midway between Edjnburch \& Newcastle, \& appears to lic on or close to Scottish border. My atlas chows nothine, elso. $D X:$ 2/23-WIIL-730 Tenn. w/ad e 605 pm . 2/24-WINE-940 Conn. onCBM briefliv 3 5pm. 3/c. IUWD had spots active and X-Ray alert. (?? -ERC) XFMBC-1190 12:15012: 20am w/ad for E1 Banco Caracol, in Mexicali. HCFA2-540 w/excellent signal from 1:321:44am and plenty of Tropicana IDs. WMOB-840 had ET © 2:1E. Then, OAX4G-854 for a new country, w/mx and plenty of R. Nacional de Peru IDs from 3:54-4:17am. ERC, near what is Hasbrouck Heights located? I am unable to fimc any referunce in my road atias. (It's just about 1,200 miles Eest of Omaha, Nebraska -ERC).

CLIFF RTINO - 74 Parish Road South - New Canaan, Comecticut - 05840
Greetinas! Not much DXing done since last Musing, only a feardia tions. I don't care how good it is for DXing, I hate Winter, hi! DX is as follows: 12/29-CJET-630 Ont., WKBN-570 0.; WAGM-950 Me.; WIBX-950 N.Y., CBW-990 Man.

18 12/30- CHNS-960 N.S. 12/31- HJHN-960 Colombia; WICK-1400 Pa.; WOND-1400 N.J.; WTIB-1310 N.Y. (I still can't hear WLOB!) 1/1- WEAM-1390 Va., first for 1970. 1/2- CHGB-1310 Que. 1/6- CKEC-1320 N.S. 1/19- CMHG-660 Cuba; WAPA-680 P.R.; YWNC-740 Venezuela; (CNCI-760 Cuba; CKPM-1440 Ont.; CJRS-1510 Que. 1/26- CMJL740 Cuba; YV?-1070 (Ceaar Objio, do you have the call, power, \& location?) 2/10-WKAQ-580 P.R. $2 / 23-$ WOHO-1470 O. 2/24-CHOW-1470 Ont. Verifications in are: WKAQ-580 P.R. $\mathrm{V} / \mathrm{Q}$ - XEOY-1000 WIBX-950 WOND-1400 CBH-860 CBW-990 WSYB-1380 CKEC-1320. V/1-WHEN-620 WTIT-990 CHGB-1310 (\& CM) WCVR-1320 WEAM-1390 CKIM-1570 \& WKOG-1560. $\mathrm{v} / \mathrm{f}-\mathrm{WAAB}-1440 . \quad \mathrm{V} / \mathrm{rf}$ (refusa1!) WAPS- they say they will verify only taped revorts! Totals now are: $376 / 150 ; 40 / 31 ; 7 / 5 ; 21 / 14$. I have several outiine maps ports. Totals now are: 376 of SA /no writing on them of any sort. They are great for use while charting of SA w/no writing on them of any sort. They are great for use wal a legal-size SA stations and/or call areas. I'll send one to anybody who senda a legal-size SASE. We11, I guess that's it. Woodstock in Miami in March! $C$ C there. 73 \&
Peace. PS, if anybody has just one piece of blank stationery from any radio sta peace. PS , me know please. I'11 send an SASE and explanation for it.

Mark drogin - 90-19 88 Avenue - Woodhaven, New York - 11421
Having been a member of the NRC now for about two months, my first Musing is long overdue. First, let me introduce myself. I'm $16 \frac{1}{2}$, \& a senior at Stuyvesant Hith School in New York. I've been DXing for $1 \frac{1}{2}$ years, but only a-
 bout a year on the 3 , \& various portable cheap radios. Not too much activity here recently, due 38 , \& various portable cheap radios. Not too much activity here recently, due to a $10 t$ of homework, but here's what there was: WFBL-1390 in S racuse, N.Y. in
here © $4: 40 \mathrm{am} 2 / 22$; WAAB-1440 Worcester, Mass. © $5: 25 \mathrm{am}$. It ame in here like here © $4: 40 \mathrm{am} 2 / 22 ; \& W A A B-1440$ Worcester, Mass. © $5: 15 \mathrm{~mm}$. It ame in here like
a ton of bricks, sounding like it had 50 kw instead of the 5 kw the VJ Iog seys it a ton of bricks, sounding like it had 50kw instead of the 5 kw the VJ Iog says has. Recent verie is $v / 1-S S$ from CMQ-640. The director of the Cuban Radhat I've always wanted, hi). I caught the NRC segment of DX Juke Box on R. Nederland, \& I can only offer applause to Geoff Fox \& the authors of the piece for a wellritten \& smoothly-produced program. Does anyone have any info on stations (BCB SW) which ofer pennents to thefr listeners? I have recently begun a collectIV) I'd like to incresse its size. Well, that's about it. As the NRC wembers ion, \& I'd like to increase its size. Well, that's about it. As the NRC members in Warren, O. will say in September: WHHH - "Where the Heck is Hasbrouck Heights More knowledgable members in Bridgeton N.J. Will answer, WSNJ, why,
in New Jersey." 73 s and good DX. Aditos. (Welcome to the NRC, Mark, \& we hope to carry many Musings from you in these pages! -ERC)

RICHARD E. WOOD - U. of Hawaii - Dep't of European Languages - Honolulu - 96822 First, Answering Ceorge Kelley's question, Stagshaw is in Northunberland, England; I have visited it; it is a tiny place about 25 miles WNW of Newcastle; fairly rugged country there, rather hemmed in by mountains on the W; very close to the Roman Wall. And thanks to Michael Daniels for the kind ords on book; it has had some favorable reviews; \$3.95 from Gilfer, Box 239, words on Park Ride, N.J. O7656. Now, the latest verifications: KQIK-1230 Ore., WHEC1460 N.Y. one of my best, KFJB-1230 Ia., secomd most distant report after a group received from a CX convention in N.Z., KCUB- 1290 Ariz ., likewise, beaten by a re porter in Upper Hutt, M.Z., WAAC-iSOU Inu. for much-wanted state $\# 38$ verified, did not specify whether distance record or not, however, KOYN-910 Mont. very indefiniue verie text, KANE-1240 La. braten by Australiad report ten years aso (I wonder whether he really means N.Z.) A very fine MM $3 / 2$ produced the following reports: KWKY-1150 Ia. r/c, KENT- 2340 Ariz., probably the loudest, clearest, best conducted $r / \mathrm{c}$ I have ever heard, KAWT-1450 Ariz. r/c, WMBG-920 Fla., at long last reportable after having been heard dozens of times but always too weak \& fady to reportable after having been hear w/voice ID © $4: 56 \mathrm{am}$, $\mathfrak{G 0 0}$ d for my Wis. \#3 and first Milwaukee, WTRU-1600 Mich. on PS, another from the Great Lakes area which was very good 3/2, KSOX-1240 Iex. r/a, wvery nice for 250w, KRUN-1400 Iex. r/c, CFEC-1090 Alta. \#14 from that province, noted at evident s/on 7am u/XERB. Then on $3 / 3$ another good AM. Reports to KREM-970 Wash. ET/TT, WDMG-860 Ga. very nice for Ga. f4 e s/on $5: 47 \mathrm{em} \mathrm{w} /$ non-vocal SSB, KDDD-800 Tex. $\mathrm{r} / \mathrm{c}$, KGO-810 Cal. noted off this AM sn not NSP, SP may be first MM of month.

FRANK WAIDRON - 65 Lakeridge Drive - Matawan, New Jersey - 07747
Down with Summer EST! Things are rotren enough as is for Summer DX. However, ELT is not practical for IDXD since it ix not a world standard, but CMT sure is. DX: 2/21- WHIL-1430 ET-c/w 1:08-1:32 through looped WNJR, only ID © LI24. An SS on 620 had me stumped for a while until I recognized the "NX Chimes" to ne identical to the ones on my tape of RNE-773. That plus a bearing of almost straight due E leads me to believe this was RNE, Canary Islands. It was hard 2:05-2:25 fade, all w/PNE NX \& talk. There was a much stronger SS over WDuN at the same time looping straight S , almost. 2/22- HIJB-830 equal to WCCO a perfectiv separagle by loop, lots of IDs. It was on AN \& has been since. MM 2/23- WIXE-1190 rr TEST loud $\mathrm{w} / \mathrm{much}$ phase distortion. I sat on 1200 between 1:40 \& 2 \& heard loud Cuban, rr underneath, terse announcements between selections, \& sho IDed © 2 as AFRTS-AFCN, then into $N X$. I noye that on the tape at 2 seems to be some sort of wierdish instrumental mx, is this "Eskimo Dance mx?" WTXI-1490 had an RLA TEST w/rre e 2:40. TVI s/on, I s/off. 2/28-12:59 s/off WJTN-1240 W/ VGBB looped (I think it was they, anyway). WCRB-1330 s/ofi 1:05 right through WEND. By the way, ERC \& John H., WEVD frequently makes many mentions of Latin Soul Mx winch I seem to agree is their early AM format. The even play some "thpical LA mx" songs. MM 3/2-TT-1380 through WBNX, ending 12: $14 \frac{2}{2}$, likely WPLB r/c. I just can't get good enough nulls on that part of the band. $12 ? 55 \mathrm{KDHL}-$ 920 right throuch © XCY $\mathrm{W} / \mathrm{c} / \mathrm{w}$ and NX intro soundine like MBS NX. $1: 45 \mathrm{TGJ}-880$ quite stroñ, on for ER. Probabiy needed WINU-1510 t/c u/unusually potent CJRS, ended 2:35 $\frac{2}{2}$. SSS, CX much better. I noted KIOA-940 w/CBM looped down somewhat W/rr e 7:09pm. Neak s/onf-1580 SSB which tape replay reveals to be WBBA II1., a 250w goodie. v/q- KWKH-1130 Lisboa-665 RNE-354 Dakar-764 \& KNOX-1310 (state f\#t v/o- BBC-809-1052 WHIL-1430 WKND-1480 TEST. Bye now.

CHRIS HMMZIY 47 Chessell Street - Box Hill North - Victoria, Australia 3129. Hi - just a quick note to you that I'm still alive. I've just started ay holidays and will be heading for Perth for two weeks starting $3 / 8,8$ havine e look at the MV band over there. My loop is almost completed (it took almost four months to reach the final stage), it is the most complicated thing I've ever scen. My friend who is very good on electronics is absolutely amazed at the mechanics of the thing. He reckons there is not going to be anything like it in the whole of Australia. And I hope to contribute more effectively than I have been. When I get it it should raise my totals from 1 heard. By the way, to maie you all jealous we are having a beautiful day here, the temperature is about 800 \& beautiful clear skies. To all whom I have promised a tape to, be patient, I'm very close to getting a tape recorder \& will advise you when I do. If anybody would like a tape of Australian stations, just drop me a line. Also more club news - the Austrelian Redio DX Club dropped their fee to $\$ 3$ Australian and has oroped restrictive distribution policy. As I maid before the address is 22 Howard Street, Glen Iris and Rober 5 Shepherd is the secretary. It has a very fine medium wave section. If axbody would like to know about Australia, just drop me a line and I'11 ansver. Hell I must end now - 73 s .

PHIL GERGEN - 832 College Parkway - Rockvi1ie, Maryland - 20850
I am a ner meab? the this is not meant to be my first Musing. My reason for writing is to try to clear up two situations I have noted in DX NEWS. First George Kelly of Belmont, Mass. coulan't locate Stagshaw. There is a small village in Northumberland Co. England called'Stagshawbank \& it is three miles $N$ of a small tow called Corbridge (Pop: 2,434) which in turn is 17 miles W of Newcastle. I think that is the village he is after, Stagshawbank. Ny second point is in the Musings about three weeks ago a man from Haledon N.J. thought he heard MIM-1590 in Mount Cermel Pa. on 1/27 © 5:02pm. Lest week I checked w/the SM \& their log showed WMIM went off © 5pm sharp on that date. The man from Jersey (I can't remember his name) might possibly have heard either WCBG Chambersburg or WEEZ Chester as both are on 1590 \& stay on after sunset. (Welcome to NRC, Phil \& thanks for helping with the above info - please join our section often! -ERC

