"Enclosed please find renewal for another year in the NRC... Ever since my joining a year ago, NRC has developed into the best radio club, MW or SW, that I've ever seen. Even my mom enjoys reading DX NEWS!"

(Cliff Reno, Conn.)

IN THIS ISSUE

DX'ING THE MARCH 7TH SOLAR ECLIPSE - T. HOLMES & G. NELSON
FIRST NORTH AMERICAN LOGGING OF RADIO NORDSEE INTERNATIONAL!

NEW MEMBERS:

*Russell Ham, 12435 W. Olympic Blvd., Los Angeles, Ca. 90064
*Jon Wederbrand, 730 Redman Avenue, Haddonfield, N.J. 08033
*G. McWherter, Box 2467, Harlington, Texas. 78550.

Welcome to the NRC, gentlemen, we hope to see your contributions often here in the pages of DX NEWS. If any of the membership happens to live near one of these new NRC'ers, why not give them a call and welcome them to the NRC personally?

MECHANICAL FILTER ORDER

Our MF order, which was mailed out from Japan at Christmas time according to Kokusai, has still not arrived here in Boston officially. However it would appear that the order is indeed somewhere around here - we've just received a dunning letter for the air freight from one of the national airlines. The airline has been made aware of the situation and is trying to locate the package; if it materializes soon we'll have the filters out right away; otherwise we'll just reorder. Would you believe they're maybe in Watertown, New York...?

A CHANCE OF A LIFETIME

The major solar eclipse to occur on March 7th will have a considerable effect on daytime MW reception - it should be possible to log distant daytimers that will never be audible under any other conditions. See the article in this issue for more information and plan to listen!
Speaking of 8:40, XECI-900-5 is in the area. They will be getting a new talk program on Monday, 2/18. And yes, another entertainment 8 7/21 tune-in till 2am tune-out. Is it how that WKIR uses M (both current & old) during their ERs? They mention each day at 8 that their programming consists of religious programs, gospel M/C, & C/V. Their collection of ERs saved for KKIR (probably the C/V is his own FD on ERs - ERO) as usual, the signal was coming in, v/r vs XEBX (w/C) this was for the third report - special delivery, WKBX for their 10/13 TST. W/1 - WTHX WKBX (v/M) after v/r, WTI. W/r WILK (v/M) is interested in unusual v/r. If you know or any from stations which would not be logged here, I appreciate your writing to me. My favorite is on WCBN-FM. They've used the Beatles' Good Night & on M/M, Monday, Monday. C/FN's Mystic lady, take note: I'm a Cancer (Moon Child) - July 8. 78.

DUNGAN, DEBBIE - 250 Richardson Terrace - Apt. 1P - Staten Island, New York - 10101

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GREETINGS! Recent DX included: 1/25 - WAWK-1140 Ind. w/250v. I'm still waiting for a verie. WBB-750 N.H. s/off @ 5:45, sent a nice v/q in a week. 1/26 - I noticed KJQ-1540 Mo. @ 06:45, unusual because the antenna usually changes yo N/S @ 5:30, but didn't. They sent a T P 40 list & CM along w/the verie. That evening, KJQ-1540 broke through the SS & ID @ 3:30. Shortly after, KNI-1000 Okla. appeared & I was able to log quite a few details. Veries from each received 1/31, v/q from KTOX & v/q from KZMO. Next day the verie from WBB's ID came w/a list of all who reported. On 2/6, the prize v/q from KML-650 Biew came in back on the air, stating the same tower with KNK YWV & KZV. As a quote, "now == a ten job w/100s. does it on this frequency." WBB-2/2 brought two new states knocking my gun, WBB-2/2 brought two new states knocking my gun, this 19SSIB/CQ had an EM & KQKH-790 Mont. had a f/c. The latter sent a v/q & CM which I received today 2/9, & they mentioned Fred Carstens's report in Nov. The same MM I heard the test from ZBI-780 & sent out a report. A big surprise early this morning came @ 4:30 in the form of "Carl's Radio" KNBR-1190 Ariz. I thought KLIF would probably be along, but no. Later in the day 2/20 with the tower, noted an interesting v/q, which in my opinion was a very interesting v/q, which in my opinion was a very interesting v/q, a large tower with a lot of v/q 1055, in this KQFH? Other veries over the past few weeks include: WIRD WAVA WJAG WPAA WNAK KSUB WPDX WPEC WYTC KBVC WCYC for reception of their own v/q. I hope to get Me. & Del., my only eastern states left before the noises rise. I'll say s/b 4 now & tt. FRAK WALDRON - 65 Lakeview Drive - Matavan, New Jersey - 07747 W NOAA, WPAB-990 s/off 12:12 was 1010, not 1011. I suspect that I thought to be GBTF on 1/19 was actually WPLI w/9kHz. test, as tape sounds like that. I am feverishly determined to get some CQB, positive material out of CQFB before the Summer Miseries set in. 2/23 had better not be Aurora, or else I'll write off CQFB. It is the v/q I've been getting all w/FF, a CQFB causing a very low note above WMMI-1390 @ 12:55pm playing a Beatles album, looped NNO/SSE & was not WALL per phone call to Stan Garfield in New Jersey. MM 2/26 - CHIC-790 s/off atop all W/YL reading it, 12:04. TAs were many, logged Four were new cases: Luxembourg-1495 destroying everything on 1440 on peaks, it was there @ 12:30 in the morning. 2/29 was //73 v/NE talk show or similar. ORTV-856 doing quite well w/FF dissimilar show @ 2131. 863 was a bit stronger & not //836. Lisboa-665 also good w/8 kHz w/ men & woman FF announcements between selections at 2:24. Wendie 121 mer was pressure to be HBC-467 @ 2:47. WNB-1500 noted w/TSS at 2:35 w/Plahagen mentioning a phone call from Big George. 1/31 - I ended some doubts in my mind about hearing CQWB-1230 s/off 10:12 of 2/11. I didn't, although CQWB sent a v/q. It was heard 1/10 which I recognized from my tape replaying to be the same one heard on 12/15, followed by G8U. Let me explain: CUTF-1220 is //CQJL-560 & it is also 200 miles N of CQB. Hearing a Canadian on 12/15 on 1250 had me convinced, even after the notes it was the same tower. The signal was kinda weak & mssed in TVI then. However hearing the same s/off & //560 all but convinced me it was CUTF, also reported by several others. 2/7, WOSN copied for a report w/r/r, first time noted in quite a while. WAW-1940 giving mailing address for the owner of the phone who called SS on 1340 @ 3:04, only thing listed in WOSN, but I sorta doubt it. MM 2/2 was fun. It all started w/a low Tt on 1230 @ 1:16, break @ 1:17, nothing heard, break @ 1:25, taped a partial ID from KJQ-1540 w/770 A. FKXV-1210, nothing heard, break @ 1:26, taped a partial ID from KNK-650 between 1:26 & 1:56, nothing heard, break @ 1:25. They all seemed to be the same one heard on 12/30, followed by G8U. Let me explain: CUTF-1220 is //CQJL-560 & it is also 200 miles N of CQB. Hearing a Canadian on 12/15 on 1250 had me convinced, even after the notes it was the same tower. The signal was kinda weak & mssed in TVI then. However hearing the same s/off & //560 all but convinced me it was CUTF, also reported by several others. 2/7, WOSN copied for a report w/r/r, first time noted in quite a while. WAW-1940 giving mailing address for the owner of the phone who called SS on 1340 @ 3:04, only thing listed in WOSN, but I sorta doubt it. MM 2/2 was fun. It all started w/a low Tt on 1230 @ 1:16, break @ 1:17, nothing heard, break @ 1:25, taped a partial ID from KJQ-1540 w/770 A. FKXV-1210, nothing heard, break @ 1:26, taped a partial ID from KNK-650 between 1:26 & 1:56, nothing heard, break @ 1:25. **REMEMBER OUR DEADLINE IS EVERY MONDAY FOR MESSAGES. LET'S HEAR FROM YOU!**
Greetings once again, folk. MM 2/16 proved noisy & unspectacular in terms of openings & ox, tho' a predominance of SS plus the high level of QRN lead to suspicions of a solar occurrence of some sort.

Starting with this issue, the listings received from Cooper-Trent are being received here instead of by E&OF. Thus we will eliminate much of the duplication we've had in the past. Also, we will change the format of their listing as follows: Call changes, new QTH's, and new calls will be listed in the "new" section as well as in the Updater. Minor changes which may well necessitate testing will be listed in a special section as space and time permit, thus notifying you of grants of ANNO's, remote control, new ID, new XE, new XE location, etc., so that you may be on the lookout for tests from these stations. Any items not covered in this explanation will be jotted thru until I find a way to account for them.

midnight to sunrise

560 WHXQ-2n Unneeded but clogging regular WJAM 0330 2/10, (BO, Boyd, Youngstown, Ohio)
590 KSCH-Uc Hrd w/ ET-TT & 0303 ID 2/2 (David Long, Lebanon, NY)
...620 WATC-3n Change listed WM w/off to 0105 from 0105, 2/2 (RJ3)
...630 UMAU-DO Hrd w/ usually dominant Cuban 2/16 0300 w/ ID'S (BB, BB)
...660 GPHI-On In w/ ID 0255 2/9 w/ WM, (Bob Hostettler, Minneapolis, Mn)
...690 CBU-KE Finally heard 2/9 0300 o/KSTX w/ ID, (Hostettler) Also heard that AM by Page Taylor, I think, but I can't remember what...RJE

+ 710 1XVO-Be Hrd w/ positive ID 0200 following relig., WM de XE--hrd 2/9 between XE TT's in OC (Page Taylor, Butler, IN)
710 XCMO-7x Clear ID 0115 2/9 & ox, (Page)
710 CX2-BL Hrd w/ WJ 0230 then ID 0230a (Page)
...730 KBSN-Ca In well w/ KBSN OS 2/11 (BO, Boyd)
* 750 KXG-OR Hrd w/ ET QIO ID then TT (Long) 2/7
760 HAYA-Va Hrd w/ ET 0213 2/2 w/ ID in TT (Long)
790 CHG-ON-I Think I believe this w/ WJ mixed w/ ox/AFAR 2/16 GTLS (Wes)
890 unID Hrd w/ UX00, 0200+ QIO 2/11...
* 900 WPW-Aa Has ro 0155-0150 lit WM (NRC)
* 910 WDDU-MI Hrd w/ 2/2 2/17 (2Th) rather than 2/11(2N) 0000-0015, clearly loopable from CHM (Page)

Testing nite pattern OS 10 2/9 (Wes)
R/E is 3rd Th w/ ET @ 0145-0200 (NRC)
Underground mum mumbled to WM, s/3 here killed by WJBA s/on 0105 the hrd as early as 1029 2/9, KX1ST (Wes)
Weak ox almost alone w/ CHM, WM off & UX00 mumbled, 2/7, ox, (Wes)
WJBA was actually oFF--RJE, and I don't know if it was
CJQG, tho' I doubt. Method they'reHF, and CHM is FF, so...
WJ w/ UX00 co 0220 2/7, not WPW. (Wes) CJQG-7JF
Testing UX00 2/5 allow UX00 (Wes)
R/E in 2nd WM 0300-0315, tho' were hrd 1/19 which is 3rd.(NRC)
Hrd W/UXO0 w/ UX 0232 2/9, KX1ST (Wes)

Only one ID hrd in 2 hre, in real, mumbled w/ UX00, UX00, UX00 0207 (Pat Taylor, Hatley, WI) Date? 2/2, I think... (RJE)

1300 WAVL-5t Out of nowhere o/WJE for about 45 secc's, then gone 2/21 0355 (Wes)
Finally hrd TEST w/ few ID's & WJBA 2/2 0305-0312 (Pat)
TEST noted w/ WM ID at about 16 wm, 9000, 0224 2/9. (Page)
R/E hrd 0205-0230 (sked. to 0215) 1/26 (Wes)
Hrd 2/9 briefly w/ ox, (sus, ID, but um.) (Hostettler)
Unn, and sounding very automated 0210 0215 (Wes)
Testing w/ IC, low cycle TT OGU 2/9. (Wes)
Just peaked thru w/ ID OS 2/10, (Hostettler)
Unn, but surprising as WM off OGU 2/9 (Hostettler)
On top w/ organ mam as usual 0135 2/9 (Hostettler)
Testing w/ OGU OS 2/9 as per usual (Wes)

Mostly atop channel w/ all of what was probably WJBA TEST, the not sure, faded up for nice SID (WRV) 0155 2/16 (RJ3)
2/2 is nth WM OS 0310 (NRC)
Also alone OGU 2/9, (Page)
Can for locally severe flooding 2/10, tho' barely audible w/ WJBA as early as 2000 (was was 'til after 0000) even here at
maybe 25 miles away. (RJE)

ET-EX w/ ID 0120 2/9 (Wes) Testing w/ hrd OS 0200-0211, fine sig, (Hostettler) Testing w/ ID OS 2/10 (Wes)
Weak ET w/ organ mam OS 2/9 (NRC)
R/E is OS in WM 0155-0150 OS 2/9
R/E is OS 0200-0215 nth WM (NRC)

Hrd ET-Ex w/ underground stuff OS 1000-0120 2/16, 'tho' no ID's called collect, and while the chemists were saying "I don't know nobody from Jersey" and refusing, I had the self same mix they were playing coming thru the phone... (RJE) Hrd ET-00 w/ infrequent ID's ((better than none, hi-RJE)) 1/25 0204 (Pat)

WAOA-Ga Hrd testing in/out w/ WAVL playing oxw w/ any ID's 2/16 0115-30 (RJ3)

sunset & evening

Strong, all alone 2/8 1815 w/ SID (Page)
Finally heard 6 1600 s/off 2/13 w/ WRVA (Page)
S/off 1730 1/25 w/o QRN (Pat)

sunrise & daytime

S/on 0700 2/9, (Father Jack Pejas, Ojai, Ca) Welcome, -RJE
S/on 0725 2/9 (FJP)

changes

Grant CP for U3, (RJE)
Probably won't happen, as zoning board mixed the towers again. (Non Husco, Windsor, St) Welcome = RJE
CP is on, 1000/500 17, 1000/500 17
is call for Heath.
CP is on, 1000 1D.
CP is on, 1000/250 UL.
SP is MM start 0000 (Husco)
CP is on, 1000 1D.
CP is on, 1000 1D.
CP is on, 1000/250 UL.
CP is on, 1000/250 1D.
CP is on, 1000/250 1D.
CP is on, 1000/250 1D.
CP is on, 1000/250 1D.

all items not credited are de RJE...
call applications
600 WAXI-La Requests W003
1350 CP-FR Vega Baja Requ. W65A
1560 CP-HC Warsaw req. WTRQ
1500 CP-EM Bermuda, req. W58A.

Hrd by Long: KINL-793; KAAA-1230; KBFD-1230, Hrd by Pat Taylor: W66L-1160; W65P-1180; Hrd by Page Taylor: WCHI-1580; Hrd by W63R-1180; W61R-1180; W65A-1150; W65A-1150; W65W-1150; KBFD-1230.

Reprints

COLOMBIAN LIST - 6 pp by Cesare Obiojo 369
W65P RECEIVED 10 CX - 1 page, by RAE - 04
IT TAKES TWO TO VERIFY - 3 pp by Jay Hurley 180

We should now be in stock on reprints, one note to all who have purchased dupes of the article "UNRESTRICTED RADIATION." An error here has resulted in the omission of the middle page of this article. If you are missing this page, write to Mark Katz c/o Box 99, Cambridge, and ask for the missing page. He should have these by the time you read this.

3/7 Eclipse 1970 by T. Holmes and G. Nelson

For the NW Em'er, the March 7th eclipse will really be the event of a lifetime: a full solar eclipse running the length of the Eastern seaboard (with its high density of W6 stations and NW sites) and the middle of the day, on a Saturday! Solar eclipses do effect W6 propagation in a significant way and, while you're not going to lay any Central Africans or Imaginary Indonesians, there's a good chance that you will hear some rare daytimers that would not be audible under any other circumstances. Just how distant the stations you'll hear will be depends on a variety of factors, most particularly the relationship between the path of the signal and the path of the eclipse. In fact, then providing a set of specific stations to try for during the eclipse, we'll try to give you a feeling for what's going to happen on March 7th so you'll be able to take best advantage of this rare event.

The basic idea of what happens to the ICB during an eclipse is quite simple. As the moon comes between the earth and sun, the amount of solar radiation falling on the ionosphere is reduced temporarily; above the path of complete totality, the solar illumination is completely cut off for a brief time, in fact. This decrease in the amount of solar illumination results in a temporary period of 'night-like' conditions during which time you will be able to hear stations that would only be heard at night under normal conditions. This effect will be most noticeable for stations and receiving sites near or along the path of totality and the eclipse-induced enhancement will become less obvious the farther one goes from the totality path. Since the eclipse is partial over all of the U.S., ifers in most parts of the country should experience eclipse enhancements with the possible exception of the Far Westers. The attached maps show the path of totality; bear in mind that the regions on either side of the totality path will experience partial eclipse and will probably have W6 enhancements too. If you're located in a part of the country with only a small fraction of totality, it'll naturally pay to listen for stations located farther into the eclipse region - i.e., if you're in California, try for stations to the East, not north.

The physical mechanism responsible for eclipse enhancement is well known. The reduced level of solar UV and X-ray radiation shifts the equilibrium of the well known photodissociation equation to the left:

\[ X_6 + h\nu \rightarrow X_6^* + e^- \]

This recombination of free electrons and positive gas ions is the same as occurs at dusk under normal conditions. The loss of free electrons from the lower levels of the ionosphere (particularly the D layer) results in a marked reduction in both deuteristic and magnetodissociative absorption. It's been demonstrated that groundwave range, show large increases in skywave signal strength during the period of electron depletion; the process is reversed following the eclipse event and electron concentrations and resulting absorption rapidly rise to pre-eclipse values. It is important to keep in mind the geometry of the eclipse event. Published maps of the path of totality indicate the position of the moon's shadow at the time of the eclipse. The instant the shadow of the moon on the ground is an oval spot - there is no "continuous line of darkness." The effects produced by the eclipse gradually decay following totality as the photodissociative equilibrium shifts back with increasing levels of illumination. Also bear in mind that the track of totality along the ground is slightly different than the the location of the shadow's interaction with the ionosphere. Ideally we would like a map which would show the projection onto the surface of the lunar shadow with the lower levels of the ionosphere - this should be the region of greatest W6 effects. This is not available.

PR Time Flash

INTERNATIONAL WAVES: Radio Nordsee International logged in Va at 0130 on 2/17 w/rock music and ID's in EE and GG; asked for reports to Zurich; later ID's were in EE, FF, GG, and EE at 0157. Signal quality quite good; should be widely heard on this frequency: 1610 kHz (Alan Merriman)

Gordon Nelson, 19 Irma Ave., Watertown, Mass. 02172

Bernie Reesor: your 1200 is definitely a Cuban; he does not announce his location but he is in the Santiago area. RCFA-2 is 10 kW but does indeed sound like more; he's really been good the last few days up here. Dick Truiu: your RJ on 1161 is most likely W6IX, Monteria; this was the dominant one on MM 2/16 and he was a few hundred miles off center and drifting badly, Yup, 1459 matches for Luxembourg; but you were hoping for Majuro... John Shannon: your 1620 may well have been Radio Nordsee; see above. Recent visit of Joe Buosogini to his home in N.Y.C. area revealed a highly powered bootleg operation on 1340 (Joe says sounds like 250 watts) located in the area of Newark State College using the call of (get this) W6WLA. Frank Weidren, this is probably yours. Nice visit recently from Rome Romanski who managed to pick up a very nice audio variable passband filter from one of our local electronics repair shops. It's a continuously variable variety and proved to be very great; at least great as tapes during its first trial... he's got an article coming on it I hear... WA's have taken a real nosedive generally of late; hopefully I'll be able to catch up with the propagation data next week. Rest of DX -
unfortunately, and we will have to assume that MW effects may be strongest at some distance from the ground totality track for this reason. See figure below for an illustration of this point.

How much of an effect should there be? This depends on quite a few factors including frequency, distance, and the relationship between the signal and eclipse tracks. In previous eclipses enhancements of up to 40 dB have been noticed on the MW band; this is equivalent to a power boost of 10,000 at the transmitter! For a brief time, conditions should become quite "night-like" although signal levels should be more like those experienced at sunset than during the middle of the night. The graph on an accompanying page shows actual measured signal strength during the 1963 eclipse from a receiver site on the path of totality. Note that the signal took a very large jump in signal strength as the region went into darkness but that the period of very strong reception was of rather short duration. This is typical data as reported by many observers - very good enhancement for a period of short duration near the time of totality and rapid recovery to pre-eclipse levels after a few minutes.

The same graph shows a characteristic and odd phenomenon that has been noted by many observers: the "threshold effect". Based on simple first order theory as we've outlined, one would expect the signal level to gradually rise as more and more of the sun is obscured, reach a maximum at the time of totality, and then fall off as the sun emerged again. Notice on the graph that the eclipse was halfway into totality before the signal strength began to rise and the peak signal occurred after totality. The signal strength began to fall rapidly and the effect had essentially ended before the eclipse had. The reason for this asymmetry in the response is not known but the effect has been observed so often that it should be conspicuous during the March 7th event.
what stations should you try for during the eclipse? That's not easy to answer since the favorable location of the eclipse path will have the result of causing many stations in the eastern half of the country to fade up - much of the band should be a real fad as all of those low-powered daytimers come in at once. Try for stations that are well beyond groundwave distance from your location (i.e., that are completely undetectable during midday) and watch for reception to move to the north along with the eclipse. The enhancement will probably be strongest if both you and the station are along the path of totality - the further away the weaker the effect (supposedly).

While the stations most likely to show enhancements will be those in the 100 to 1000 mile range, the possibility for some really long distance reception still remains. Note that the stations in Western Cuba are in a region of relatively high solar obscuration, as are some of the Mexican stations. On the other end of the path it might be interesting to watch for St. Pierre on 1375 too.

Here in the Boston area we will be recording 640, which is a particularly favorable channel. Formerly clear in the daytime here, 640 may show signals from Cuba, WGI, WHLO, and CSW as the eclipse progresses. RFI is a far outside chance but we'll be watching nevertheless, and there's always Laos on 640 too...

We'll be most interested in receiving your observations about this eclipse, particularly on the really long distance stuff and possible lasting effects after the eclipse is over. Note that you won't have much more than an hour or so at best of this eclipse enhanced reception so it will be a good idea to plan your listening activities carefully in advance. If you miss your chance on March 7th, you've got a wait of quite a few hundred years before you can try again...

The map on page 13 shows the location of the region of totality as the eclipse progresses. Bear in mind that this is the region where the sun will be covered 100% at totality; off to the sides of this path the maximum fraction of the sun obscured falls of steadily. This is a relatively rough map; it would pay to consult your local papers for the exact times in your location since interpolation from the map will inevitably be off by a few minutes.

References:


NOTES FROM HQ

* This is a First Class Issue for everyone; we've held down to 20 pages this week which means we've gotten in under the postage break - hence everyone gets First Class postage this week...

* Presstime call from Russ Edmunds indicates that last week's bulletins (dated 2/14) still hadn't reached New Jersey as of Wednesday; seems to be the same sort of delay as experienced the previous week. If you're one of the 1st Class members whose UX 393 was delayed this week, drop a note to me giving postmarked date and date received so we'll have some info for the FC to go on.
IDXD Monitor Reports

Members' Loggings
Box Foxworth, OBO 21m
New York, N.Y. 10001

Telephone Tip No: 413-58-0614, usually late at night is best. All Times EST.

Receptions:

China, P.Rep. Peking 2/5 1040 very good in Mongolian. (wood, Hawaii)

Costa Rica. TILJ. "Musical 754" hrdr IDing this way on 2/10. SAAN. the best "music" disc yet on Progresso. (Obligo, D.R.)

El Salvador. Radio Nacional, YSS ending pgm "El Mundo de la Opera," ID at 1957, very good and among a pgm w/Beethoven, 2/8 (Obijo, D.R.)

Portugal. Assumed to be signal here around 2200 2/11; signals also were noted on TA channels 59 and 1214 at this time. (Marley, Cal.)

Honduras/unID. Two stns here, on 714.8 and 715.0, to be more exact, 2/7 at 2300, the stronger of which was HRTV Tegucigalpa. Who is the other? There is a HC-9 listed but audio was just barely hrdr under HRTV and the 2000 hz. net. Looped as 11 it was in NW South America or perhaps Panama. Any help from Silviera or Obijo? (Jerry Conrad, Fla.)

Costa Rica. "Columbia, mas grande en Centro America," TILX hrdr for the first time with SRS silent on 2/8; gave time as "las nueve y tresnta y seis" and signal very good. (Obijo, D.R.)

U.A.R. Arabic chanting at 2305, weak, becoming weaker at 2318 1/27, country E5 and first from Africa. (Obijo) [1/24 will be preconcertation copy as we approach spring -- Ed.]

Alaska. KCAM, Glennkoll 2/5 1100 s/on SSB, KCOON looped. (Wood, Haw.)

Mexico. La Paz, B.C. stn hrdr just under KABC 2/5 2310 IDing as Radio La Paz. Listed as 750 watts but seemed a lot stronger. At 891 miles. (Pejza, Calif.)

E.U.R. Radio Bellole in SS 1915-1930, then in Eng w/ncms and relieg music, Strong at 1940 1/24 2/8. Hrd again 2/11 same time, with splash from WCOO. (Harold Cox, Pa.) (Welcome to IDXD, Harold--Ed.)

Gilbert & Ellice Is. Tarawa logged with fair to good signals 0230-0330 on 2/4; some music, polynesian words, songs as described. Trace, unreadable, somewhat days later. On 2/4 ran for few days later. On 2/5 run was heard to stay 4 h as for the next 4. Looping of Yerven, previous evening, tipped me off to chance of good long-distance skip. (Dangefield, Penna.)

Italy. Hrd with chimes at 2100, radios were too deep to get an ID. After 2115 cx were better and Italian songs were heard continuously. "Fascination" in TILJ 2/26, ID at 2310 in PG as in "HIT Radio Television Italiana" news then in that lang. Noted 1/27. Country E5. (Obijo, D.Rep.)

3RA Roma 2200 2/7 w/news in Eng, bulletin. Finally got a taped ID on this one. Very strong, for RA1 to be, on an excellent TA night. Had feathery modulation for a change. (Conrad, Fla.)

Argentina. Buenos Aires. Hrd at least 5 mins, followed by an announcement at 0000 2/6. Too much QRM from unID ES (Cristal--Ed.) and KAIM to get reportable details. (Pejza, Calif.)

Hawaii. KAIM buried LRA at 0401 2/8 with BBC Correspondents' Reports. Then suspended the hrdr last spring at 0400 (Ed.) 2/5-30/15. (Ed.)

The unwillingness of KAIM carrying such a pgm was noted by me; I checked 2GB and GGB but not the Hawaiian. Lesson: never overlook the obvious. (Pejza, Calif.) (very good point, Father Jack, txm--Ed.)

Italy. Milano 2230 2/8 evidently AM on weekends as there and 5/145, a fairly good signal, even with some XSW splop. Played standards-to-top-10 types of records as well except for some Nighturno Italiano (Italiano) on weekdays. (Conrad) [wasn't that Notturino dalitalia or some such--or did they change it--no]?

Finland. KFBR Fairbanks. 0300 s/on 2/5 with SSB. (Wood, Hawaii) (In case it's possible to new members, 235 is Star of Bangor, not the term single idler. I thought perhaps this may be confusing to new--Ed.)

Costa Rica. TILJ San Jose 2200 2/8. I got a clear tape of this one with single ID and one chime at 201. I can't make it out exactly; it is not Caloan Musical however. Played ES and SS versions of Top 40 type mix when anyone knew what the slogan is for certain, or call letters either for that matter. I have both TILJ and TICJ listed. They're even playing acid rock. (Conrad, Fla.)

Dominican. Radio Ileri, Guayquill is the unID in MB 1/24 hrdr IDing at 0000 1/24, due to pop records with ads between songs. (Obijo, D.R.)


Venezuela. To Bill Brubaker: Your station here is Radio Zulia, not Radio Cunina. By the way, your Barranquilla station on 1490 rently was reported in Radio Cunina. (Obijo, D.R.)

Honduras. Puerto Cortes 215 2/8 very much mixed with another SS 70 or 80 kHz. ?R?? was playing SS version of "Spinning Wheel" at 2115. Clear "La Voz del Atlantico" ID frequently. Who is the other? AVW was only "Fred" but the unID here. (Conrad, Fla.)

El Salvador. San Miguel 2300-0000 2/8 and it took an hour to ID this one for certain. Give complete ID, tho., at 0000 with calls, location, slogan "onidas Orientales" and name of pgm ending at 0000 was "musical nocturno." Very good signal and beautiful tape on this one. (Conrad, Fla.)

Stirling, Minn. who DXes from Lake City. I quote: ...better put Lake City behind your name. Some people might get the idea that I can DX from the Univ. of Minn. No! Not on the other end. (Ed.)

1235-1236 2/10 Bermuda. ZB-M1 Hamilton, 2/7 good at 0030 and was good all evening. They are my beacon indicating good North American cx and they were fabulous 2/7. (Wood, Hawaii)

Thailand: local here at 2200 2/7 at 0505 2/7. That talks. More or less clinches ID as Royal Palace station, on which the King himself often acts as deejay, playing his own jazz compositions. (Wood, Hawaii)

Colombia. La Voz de Anserme, BHJ/AS Anserme, IDing at 0015 1/24 and hrdr for the first time, good, usual pgm as other E5's have, local songs, mostly, time, and ID after every record. (Obijo, D.Rep.)

Albania. Radio Tirana hrdr in Spanish with strong signal and beginning 1815 on 2/11. Signed off at 1945 with Internationals. This can be a good check for listeners, as Spanish stns don't play this kind of cx. (Cox, Pa.)

2 Cuba. La Voz de Baracoa 2/7 at 1300. Pgm to that time was "musical del Paradisee" and if you break that didn't have me shook up! Is listed as on 1430 as CKXZ with 1 kw. Very good signal here at times. Clear ID, at 1300. (Conrad, Minn. City, Fla.)

Hawaii. KCCN Honolulu made it in atop NSP semilocal KSTN at 0500 s/of 1/31 for a report. In and out, the previous hour, with them ater 0040 2/5 no on COF 1st indicated Until the break unJ.

The only other station in here. (Freemann, Cal.) (unID 2/17-2/22)

Costa Rica. Ca. Gradea here AN 1/2 2/10 with lots of lists, names and numbers and a lot of neighboring countries. Give no ID. (Freemann, Cal.)

Poland: Warsaw 2/5 at 2310 with man and woman alternating announcements, commentaries etc. Cool TGIF splash prevented getting good tape but had a very strong signal for several hours. (Conrad, Calif.)

Puerto Rico. W5X Bayamon. 2/7 0428 with SSB, La Boriquena (their song--Ed.) and s/on acnts. Quite good. P.R. No. 3. (Wood, Hawaii)

Dom. Rep. Radio Union, PAU Santo Domingo moved here ex-1590 and noted for the first time here on 1/27. (Obijo, D.Rep.)
It
The
Then
17
RXes:
If I want to get anywhere, I better put up a
I sent them a tape but no verie
On
(WKBA
Bobrook, Md.)
Portugal. CS9 nice v/q in 2 weeks from Lisbon, call specified. (vakoro)
Gilbert and Ellice Is. VZ9 sent handwritten letter verie for receipt of
their new 10 kw xmtr. Positive confirmation. New xmtr was put into
service on 1/9. Mine was first report from continental USA but one from
Colorado was farthest at time of test. The call used to answer was
has been shifted to VZ9 and the station "Vato e Cariva." The address is Bariti, Cariva, Gilbert & Ellice Islands Colony; Western
Pacific. The sign is Broadcasting Engineer and the name appears to
read like a Fr. Robins, last name probably certain. (Ben J. de la
report 2 weeks ago-31. Believe he said it was AM, haven't got it now,
so can't check for certain; rely on memory, hi - - ) This makes Country
61 for me; had heard recently with Eng. lessons and excellent signals
so should reach well to the East. Still fades in around 0020. (Fremau, Cal.)
Belgium. R.T.B. Very specific, medium-wave only v/q, from R.V. Allard,
Traffic Manager, Room 466, R.T.B. International Relations, 18 Place
Auguste Flagey, Bruxelles 5. For taped report. Back in exactly 2 weeks.
Also sent multicolored pennant. (Gilroy, D.C.)
Mexico:
Mexico City. LKMA, Progreso Del Bravo, Nuevo Leono, Texas, v/q, from
Felipe Maldonado P., Administrador. My report is most distant. They have
their freq check with Omcl Radio Monitoring W.O's Summit, Mo. (wood, Miss.)
1050
XERS, Radio Morales sent a verie last spring; I should report
the address: Apt. Postal, 115, C. Morales, Zacatecas. (mala) I cannot find their city on the maps; note however that
their envelope has old address at the same box number in Cuervos,
B. Ta. and suspect a name change recently. There is a "Morales Dam"
near the mouth of the Colorado but do not know if this might be the
location. Does anyone have more info? (freeman, Auburn, Calif.)
1203
TX Radio Canino finally verified by bi-limunal v/q with specific
text for report and tape in Oct. 1969. Report was in Eng, sent thus in
hope it would be routed to one of their ES-speaking aunts, and
eliciting a longer, more detailed reply. Card filled out in SS, signar
unreadable. Gives freq as 1200 kc and power as 1000 watts, antenna is an
"Inverted Vee" design longwave. Address: Apt. 287. They returned my
IRC. (Starr, Ohio)
1300
France. OMRF verified in 13 days for both 1205 and 1375 on same
card, and from now on any reports to OMRF will be sent to the regional offices
instead of Paris. (Walron, NJ) (is your pop the NY Times report-re: SK7)
St Pierre et Miqu. V/f, all in FF, details freq, power, lists s/on as
at 0500 EST except Sunday, when is 0730. S/off 2000 daily. Typed note
says that s/off varies between 1955 and 2000 and they occasionally run
until 2300 Sunday night, sometimes a bit later yet. Their local time is
cm 3 or, EST plus 2 which is a half-hour later than Paris. Is Chef
des Services de l'OMRF a St Pierre et Miquelon. (walron, NJ)
1500
Amazilia. Three veries reported for MINC DX test 12/26/69, all signed
by Roy Dunlop, Director of Radio Amazilia. (friendly v/q/...still has
no DX forthcoming, why?...stated in verie are more details...) Letter received...is Country "66 Here" (Ham: Bobrook, Md.)
"Verie read on 1/30 for test...fays to be my best verie" (hosteller, Minn.)
Earn left space for 1 mor...item then found that wasn't the item.
Next to put it? have some back of file for next J.A. good ba.
--- VERIFICATION SECTION ---

ROBERT LIGON - 246 Birch Street - Akron, Ohio - 44302

This is my first Mus to I'll give you some info about myself.
I am 15 years old, a freshman at Kent Junior High and my favorite hobby is
of course DXing. I started SW DXing in 1963 & then became interested in MW DXing,
in 1969. I was given a warm welcome to the MM by two great guys, Tim Davison &
George Greene. It is sort of unusual that I live only five blocks from George?
Not much into to report but perhaps there goes. I have them in.
Near the station (two mouths) CHLO WZI. v/q from WCKY KXIA WHEN WBN
GW & a CM from WFG signed at the bottom. The CHLO verie says they will go to 1750 & 10kw.

I might have a little trouble getting them in the daytime on account of
WAKR-1570 & WAKR-1500. Recent reports: KEPT WZMB W Macro WZMB CAMS.
On 2/11: 1570 at 2:15:2-27 was KFYR-550 v/fair signal v/little fading. Overage: WMP WAKR
WRTT KILG. New loggings as of 2/5: KAY-1090 Ark., WXN-1070 Ca., HUD-802
Gloversville. (Willie) - Hooo (Willie) - WZMB-610 Fla., WPPS-1590 Ind., WAKR-
Queensbury, N.Y. Report on WRTT, sent 1/20, I think.

I think that would be all for the MM. I am interested in DXing.

DICK TRUAX - 5105 Tamarrack Drive - Charleston, West Virginia - 25312

Greetings from the Mountain State again. DX continues to be plentiful
but time becomes a minimum. I am going to try to contact
at the dials. With not too much current, let me backtrack several weeks.
MM 2/2-5 WCI-1700 W. Va. TEST did NOT materialize as late as 3:20am & at
4 letters distance I doubt they were on later also. Back further still, on 1/21
und non-stop on 1500 kc @ 3:20am for better than 20 minutes w/out any break
or ID. Test MM 2/2 & MM 2/4 first run in quite a spell that over ten movies were
not logged. I did log WIMR-1150 N. L. & "MR" ID's @ 12:35am & WMC
Question of the week: I'm 99% positive of logging a Colombian on 1615 @ 12:35am
frequent mentions of Barranquilla & Cartagena & a DJ who rolls his R like no
SS you've ever heard! Fairly weak but hetting SSL badly, what is the call here?

Best catch of the morning - WOS-1107 Germany with MM 2/1 & MM 2/2.
At 1:15 into Morning MC cutting through even while MM's ET.
Also noted on 1439 was und ID language which I think have been FF & Jerry Lee Lewis rr @ 12:45am but not enoug
for ID. Could this have been Luxembourg's format? Cannot predict next week
will be, with MM in a row that MM's were in well, but not as potent as 1/26.
1750-1570-1215-945 were in w/semi-local quality - something which I am
totally uncustomed to. More in 7.

GEORGE KELLEY - 118 White Street - Belmont, Massachusetts - 01672

I came down for a few days last week & did some DXing. 2/6
WSR-1450 M. good on w/v @ 4:11pm, WMG-1500 good on w/v @ 6:11pm & MX Sports.
2/7-4: WMA-1550 Va. (WKBA? - EHC) heard excellent w/v @ 12:00am on E. I think
the guys at the station were very stoned. 2/8-4: ORTH-640 Guadeloupe logged
excellent @ 9:31pm on w/v OM; the Cuban is easily looped out. Country 53.
2/9-4: WRGD-1500 Comm. heard @ 6:15am. Freeport-1259 Sierra Leone logged good on w/v
Barell @ 1:15am in African dialect. Then @ 6:16am "MM" ID's & instead of local, the
at $49.
BB-1151 Staghav heard excellent @ 1:15am for station GO 600 logged.
Does anyone know if Staghav is in Scotland? I've been sitting through maps
of the Northumberland area & can't locate Staghav. At the moment I can't
Keny Lynch - 1041 Goodrich Road - Clarence Center, New York - 14032

WAVA-780 TST was heard well here, but still no sign of WCT unless they were on late. The last time they were a day late. I heard 'em on their first date, Ken, & they verified WVA DX this week: 2/2- WAVA-780 TST in well 1:31-5:30am tuneout. I heard a weak US surrounds.

WMA-860 2:13-2:15am ET w/ W&B, WEMH-850 @ 2:32am w/fluctuating signal, rarely heard. 2/3-WGCB-1480 r/c-W/T code IDs 12:13-12:50am, KOMO-860 r/c- T/T 1:46-1:51am, very good copy of ID @ 1:55. 2/5-WPAC-1450 heard 1:15am w/r/c-T/T.

WKNC-1530 ET/ MW 2:00am plus, WMC-1560 r/c-T/T 3:15am, WDXR-1450 r/c-T/T 3:40am ET, WDDO-1560 r/c-T/T 4:15-4:30am usual good signal strength for 250w.

Veria this week, WNO & CM for TST, said he received 70 letters & answered them personally! How many other station personnel would answer 70 letters without first crankin up the old Xerox machine! A tip of the hat to Mr. Frank Smith of WNO.

WKMJ v/f, KNMI v/f, WNO v/f & U later.

LEE SIDDONS - 657 Gaines Way - Winter Park, Florida - 32789

Hello from the Sunshine State! DX since September as follows:

WNO-1350 8am on 1/17.
WITX-1530 Fri. @ 5:30pm ET 12/9.
WMA-790 Tenn. @ 7:55pm on 1/16.
WYB-810 N.Y. @ 11:15pm; WXE-1050 @ 11:50pm, WSA @ 13:06 @
16. KFMU-750 Tex. @ 11:29.
KLML-800 Ont. @ 11:29.
KNDV-540 La. 6:15
1/4.
WGA-1470 C. @ 6:27 ET 1/15.
WDXR-1550 N.Y. @ 6:27/1:20.

DX in daytime as follows:

KTO-810 S.C. @ 5pm 2/26 & WQF-560 Ala. @ 5:45.
WMA-860 Ga. @ 4:15pm ET.

WNO-1350 6:45pm ET, WDDO-1530 Flux. on 1/29. Verification are v/f-WNO & WITX.

v/f - WEMH WJW WMA

GOOD DX TO ALL!

MICHEL DANIELS - 226 East Clendale Road - Webster Groves, Missouri - 63119

Hello again. Only two stations verified since Nov., WJBD & WSPM.

Reason is EKB & homework. I'd better introduce myself again. I am 35 years old, DX Drake SW4A, AR Drake 444, 92 steals in 23 states, 25 states heard. I would like to thank Walter Brebille and Richard Eddie and Charles With burned for their patience during the period when I was EXING SW. I would like to recommend a look for those DXers who are SW listening - Shortwave Voices of the World by the one and only Richard Wood. More DX next time - 73 and Good Eking.

RICHARD E. WOOD - 901 W. High Street - Kittanning, Pennsylvania - 16201

Hello gang, I am now a member of the MM DX Club again. I got my day off from work changed from Thu. to Mon. at last. The first MM prove very worthwhile with the following: 1126pm, WTTI-1530 Ga. 3, 1300 WKDO-1560 Ga. 2 (I must be the last one to get this much-publicized station, hi!), 1:32pm, WSC-1230 TST for State #27 logged (I added Wyo. Nev. & Alaska). 1:43am, WYB-1050, 2:14 KOMR-910 Mntb. #2 w/beautiful CW IDs on r/c, 3127, KTTN-990 Ariz. #1. You may think that’s not too much for a MM, but just wait till I re-gap myself w/regular MM setups again, then look out. Hi. Some other DX this week: 2/5- 5:35pm, WYB-1050, 3:45 WWV-8800, 5:40 Ex-WWVY which I believe has a new call now on #70, but I can’t find it in DX NMR yet. I am sure I saw them listed as having a call change. Help. 5:30pm, WBD-1480 Md. 3, 6:04 WCG-1330 Ky. (I had this one in Pittsburgh, but not here), 6:15p ET 2/18-2/19, 2:12-6:10pm, WWL-1520 Ga. "off for a very much wanted one w/semi-local KSKA & a big help on FD-X. Speaking of FD-X, we have two logs in v/407 points, & the third is about half filled now, but not many two-poleaters left. My tape is almost empty, I think, since the addition of the second recorder. I got a letter from Rich Clark in Pla. listing all the fine IDs he has been logging. A mystery on #150 which seems to be a TE. See TIDX. Still nothing on WWTT Pop. 73.