

dx news

the magazine of the National Radio Club



VOLUME 41

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NUMBER 18

* Sign me up for another year in
the greatest radio club around!
Keep up the good work !"(Jerry
Bond, Rochester, N.Y.)



ON THE INSIDE.....

- Domestic Log Updater (Vol. 4 # 4) - Ron Musco
- NRC Reprint List (Revised & Updated) - Steve Bohac, HQ
- Feedback on the FMS-3 Review - Bob Foxworth
- Propagation Notes - HQ

NEW MEMBERS

- * Prentiss Shepherd, Jr., 34 Granite St., Nashua, N.H. 03060
- * Kenneth R. Goldman, 493-D Thompson Ave., Mt. View, CA 94043
- * Neil Phelps, 9221 Furrow Dr., Ellicott City, MD 21043

Welcome to the NRC, gentlemen ! How about an introductory Musing from you in
ERC's column ? Double-spaced, of course.

RENEWALS

Matthews, Schmelzer, Bond, Kass, Chatterton, Cowles, Blodorn, Corley, Polack,
Breville, Jos. Smith, Dionne.

NOTES &c FROM NJPC

- WE NEGLECTED TO MENTION that as far as either Cesar Objio or we here at HQ are aware, no one has yet tried the Q-Box (review reprinted from FRENDX here last issue) on ECB. Cesar advises that he is awaiting shipment of his unit, and that members should wait until he has tried it, unless they plan to use it for SW anyway.....
- NEXT ISSUE of DXN will be in two weeks, as we announced recently. We've moved what would have been our G. Washington's & A. Lincoln's Days skip to the last week of the month to try to work around end-of-the-month gas problems here.
- WE WANT TO THANK those of you who have sent us donations for the HQ gas fund. These contributions are much-appreciated here, and they help us to serve our membership better
- The new issue of "How To Listen To The World" is now available, containing articles by RjE, FT, Glenn Hauser and others. Due to the cooperation with Billboard and the BBC in getting this issue out, there is a naturally heavy quantity of BBC-oriented material also. Available from Gilfer Associates, Box 239, Park Ridge, N.J. 07656.
- WE ARE NOW OUT OF DOMESTIC LOGS !!!! The current supply of the 1973 printing is now exhausted. We are currently negotiating to print a second printing of this edition, featuring a composit updater section from RjM..... We ask that you hold back on orders for same pending our getting the new ones printed. With luck, that should be by May 1. Please bear with us.....

C. P. C. TEST SCHEDULE

MON. FEB. 25	- 0005-0020	WERT-1220	Van Wert, OH	2500 D	NRC
	- 0040-0100	WKEK-1220	Keene, NH	1000 D	NRC
	0130-0400	WFIL-1450	Franklin, PA	1000/250 U	NRC
	0130-	WKZO- 590	Kalamazoo, MI	5000 U	NNRC
	0140-0200	KOPQ-1220	Ottawa, KA	250 D	NRC
	0300-0330	WDLB-1560	Pt. Washington, WI	250 D	NRC
	- 0330-0900	WTIA- 940	Jackson, WI	250 D	IRCA
MON. MAR. 04	- 0115-	KWPM-1450	West Plains, MO	1000/250 U	NNRC
MON. MAR. 11	- 0100-0200	WSHY-1560	Shelbyville, IL	250 D	IRCA
MON. MAR. 18	- 0200-0220	KHDN-1230	Hardin, MT	1000/250 U	IRCA
	- 0200-	WBAI-1360	Cincinnati, OH	5000 U	NNRC
	- 0200-	WDBS-1150	Daytona Beach, FL	1000 U	NNRC
FRI. MAR. 22	- 0230-0245	KPCB-1380	Redfield, SD	500 D	IRCA
weekly WM's	- 0115-	WERT- 960	South Bend, IN	5000 U	IRCA

DETAILS -

KWPM - No program information. V/s: Laural R. Thompson, CE, 1111 East Abe Taylor Blvd., West Plains, 65775. Arr. Jim Lovell.

WSHY - No program information. V/s: Frank E. Konwinski, CE, WSHY, West South 5th St., Shelbyville, 62565. Arr. Karl Forth.

WSBT - Weekly 1 kw. AXR test. Proof tests & weekly maintenance same night. Next proof within 3 months. No pre-paid or other calls accepted. V/s: Robert W. Bell, CE, WSBT, 300 W. Jefferson Blvd., So. Bend, IN 46601. Info from Mike Hogan, IRCA.

CPC NCIT: Carl Dabelstein asked us to state that he, as arranger for the recent KPCA-1580 test, was not responsible for the "un-veries" sent out by the station. Carl, as well as several reporters to the test have re-written, asking for something more specific than just a CM and a business card...

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FLASH TIPS & SUCHLIKE

RADIO ANGUILLA's test was indeed on, but appeared 0230-0500. It seems that Bob Lurier, of NNRC, who arranged the test, only told NNRC that it might be 0230 if the S were on daylight time. IRCA guessed at the possibility in their 2/16 issue, but that was rec'd here AFTER the test. We missed guessing on it, and we apologise, even though we should've been re-notified. Was hrd by Foxy, TRS w/ the usual weak audio. Severely QRM'd by splash from adjacent channels, especially CJRS. Whilst looking, Tom also bagged an ET from KOKN-1500, Pawhuska, OK. WFDX TEST was hrd, w/fewer IDs than expected by PT, TRS. WTIV TEST hrd tentatively by PT, but no IDs hrd. We're informed that WKSK-NC is now on 580, ex-1600 and has been for a while. No word as to whether or not they've retained the same f/c sked, as that was a regular on 1600 here at HQ.

Hopes that the Mid-winter Anomaly has faded out for the season were fed by good mid-East reception 2/19 AM here in North Jersey. Good signals reported by PT from Kuwait, Lebanon, Syria, Saudi Arabia, and Israel. Also an interesting unID on 683 kHz, noted best 2/19, but in for much of the past two weeks. Also hrd 2/19 by RJE. Details in IDX, but appears strongest 0330-0430 Z, and loops 100-110°, tho' doubtless skewed by co-channel Spaniard & Yugoslav. Is about 560 Hz. LOW however. If ex persist, also keep an eye of 692/908 for possible Iran and 926 for a possible Turkey. Several EC DXers have been chasing elusive weak unIDs here the past two seasons.

PROPAGATION NOTES.....

Lately, HQ has been working over some rather generalised but nonetheless quite interesting data on propagation and A-indices. Most of these contrast recent periods of time with others in the not-too-distant past. In NJPC's first issue of DXN last fall, we reprinted a study from Medium Wave News, published by Britain's Medium Wave Circle, in which the geomagnetic indices planetwide (A_p) were compared for the first six months each of 1971, 1972, and 1973. In the interim, we've compiled a similar chart based on the Fredericksburg A-index (A_{FR}) from 7/1/71 to 12/31/73. To review the format for these tables, column A depicts all dates when the A_{FR} was 5 or less during the month in question; column B depicts those dates with an A_{FR} of 6 to 19; and column C those dates with an index of 20 or more:

MONTH	A			B			C		
	71	72	73	71	72	73	71	72	73
January		13	07		18	19		03	05
February		10	02		15	19		01	07
March		09	04		22	17		01	10
April		10	03		18	11		02	16
May		07	05		22	18		02	08
June		06	05		22	17		02	08
July	08	13	05	23	17	22	00	01	05
August	09	04	07	19	22	19	02	05	05
September	06	09	08	21	18	19	03	03	03
October	09	09	05	19	17	18	03	05	07
November	16	08	09	11	18	19	03	04	02
December	14	16	15	15	13	13	02	02	03

Translating these figures into semi-annual totals, ala MWC, we find the following:

	A	B	C
Fall - 1971	62	108	13
Spring - 1972	55	117	11
Fall - 1972	59	105	20
Spring - 1973	26	101	54
Fall - 1973	49	110	25

As one can readily see, the comments we made about the Spring of 1973 figures in our earlier discussion were quite accurate, as that period was unusually disturbed. As has been noted previously here in DXN, high A-indices alone are not always indicative a poor DX conditions, nor are low A-indices alone always enough to provide good conditions. The experiences of the past two seasons, as well as studies into the Mid-winter Anomaly have shown us that there is more to it than the simple daily values of A_{FR}. Once we accept the limitations of the indices, we can use them as "indicators" toward the explanation of patterns in DX conditions, and, by computing certain periodic patterns in them, may come a bit closer to some of the causes of those conditions. One factor which we have calculated, although of limited validity in any statistical analysis of the question is a "monthly mean A-index". This will give us a general idea as to the "quality" of the month so-to-speak, on a comparative basis. Our figures for the 7/1/71 to 12/31/73 time period follow:

6/71 - 11.0	5/72 - 10.0	4/73 - 32.0
7/71 - 9.0	6/72 - 35.5	5/73 - 24.5
8/71 - 9.0	7/72 - 12.5	6/73 - 13.0
9/71 - 14.5	8/72 - 74.5	7/73 - 11.5
10/71 - 13.5	9/72 - 21.5	8/73 - 20.5
11/71 - 16.5	10/72 - 11.0	9/73 - 19.0
12/71 - 18.0	11/72 - 26.0	10/73 - 22.5
1/72 - 10.5	12/72 - 12.0	11/73 - 16.0
2/72 - 11.0	1/73 - 11.5	12/73 - 12.5
3/72 - 13.0	2/73 - 14.0	1/74 - 16.0
4/72 - 13.5	3/73 - 20.5	

Still another useful indicator of monthly A-indices is the "monthly average A-index". These values may also be combined to yield semi-annual, quarterly or annual values. Again, they are strictly limited statistically, but are nonetheless interesting. These values for the same 31-month period follow:

6/71 - 9.400	5/72 - 9.355	4/73 - 22.333
7/71 - 7.613	6/72 - 11.833	5/73 - 14.677
8/71 - 9.064	7/72 - 6.032	6/73 - 14.733
9/71 - 11.133	8/72 - 19.968	7/73 - 11.677
10/71 - 10.032	9/72 - 10.600	8/73 - 11.774
11/71 - 8.000	10/72 - 9.968	9/73 - 11.600
12/71 - 7.903	11/72 - 10.333	10/73 - 14.226
1/72 - 9.742	12/72 - 7.387	11/73 - 8.066
2/72 - 7.310	1/73 - 11.806	12/73 - 8.032
3/72 - 7.548	2/73 - 13.621	1/74 - 10.935
4/72 - 9.100	3/73 - 17.581	

It will be noted that the months of November and December 1973 were the quietest months, on the average, for A_{pr} in a year, despite the poor conditions experienced by DX'ers. We can also see that the mean indices were in the moderate range, so we can probably blame the Mid-winter Anomaly for this apparent disparity, as all of our figures seem to indicate that these two months should have been better than the surrounding ones.

Perhaps one of the most valid indicators of the nature of the effects of the A-index on conditions is the periodicity of the low-index days. The greater the number of low-indices which fall in succession, the lower the effects of residual absorption. We have tabulated the numbers and lengths of periods of auroral quiet over the past 2½ years taking only those days when the A_{pr} is 5 or less into account, and the results are as follow. The numbers indicated are the respective lengths of periods in excess of two days which occurred during the respective 6-month periods.

Fall 1971 - 4, 4, 6, 5
 Spring 1972 - 6, 3, 3, 4, 4, 3, 5
 Fall 1972 - 3, 3, 4, 3, 3, 5, 3, 7, 4, 4
 Spring 1973 - 4
 Fall 1973 - 4, 3, 4, 4, 6, 7, 3

Again, we can see instantly that the Spring of 1973 was unusual. We are in the process of taking these sorts of comparisons back farther in time, and at this point we can expect to be able to cover the period from 1/1/70 to 6/30/71 in a subsequent issue of DXN.

Perhaps one of the most telling studies along this line was done in early 1970 by Gray Scrimgeour, covering the period from 7/1/65 through 12/31/69. In that study, comparisons were made on the following bases: average period of days per six-month period where A_{pr} was 15 or less; the number of days in the period where the A_{pr} exceeded 15; the number of days when the A_{pr} was 3 or less; the difference between the number of "disturbed" days and the number of "quiet" days as denoted by the previous two columns; and the longest period of days recorded during the period where A_{pr} was less than 15. We have already calculated the similar data to cover our period of time, and are awaiting the necessary figures covering 1/1/70 to 6/30/71 before compiling the two sets of figures.

From time to time, we will present additional reports on propagation as we complete them. We will also be investigating reported receptions of trans-Atlantic MW stations from both sides of the ocean, in an attempt to shed further light on the subject. We hesitate to present these at first in that these data have been at least twice-edited already, first by the DX'er who didn't report all of what he heard, and secondly by the editor, who may have deleted other receptions which were reported. These data cannot for these reasons be considered too significant statistically, and therefore must again be taken with a rather large grain of salt.

*** NJPC



editor.. Wes Boyd
 980 W. Liberty
 Girard, Ohio 44420
 Wes Boyd 216-545-4543
 Jerry Starr 216-534-1394

Here we go again folk..

changes

- 1070 *ID* FL Tallahassee 1,000 D-1
- 1350 CJCO NF Gander-Per SM this is AN // CJON and can be seperated from WSLR as he noted on 2/4 AM, Not positive on the call tho...
- 1580 *CP* FL Mt. Dora. This was granted WGTW call.
- ???? *CP* IA Mt. Pleasant Got a call grant of KKST but forgot freq. (HWB) → 1130 - RJE

Only have two requests to change calls..

- 950 KRSA CA seeks KKEE
- 1010 KSAY CA seeks KIQI

Minor changes::

- 910 KIRO TX FCC approved 5,000 nite. Is now 5000 5000 U-4
- 1230 WISP NC Taller tower.. to 220 ft.
- WFAI NC Taller tower.. to 220 ft.
- 1270 WORL FL Granted auxillary transmitter.
- 1400 WFTL FL Granted use of new main transmitter..
- 1480 KVAN OR Move transmitter and studios, New add to be 11197 N. Portland Road- N. Portland, Or.
- 1530 WJDM NJ Move transmitter site.

Canadian zip code stuff

- 950 CKBB- L4M 4V1.....1320 CKKW- N2G 1E8.....1400 CKCB- L9Y 3Z7

And the following extentions on CPs::

- 940 WNRE OH to 6/20/74
- 1520 WYAZ MS to 7/25/74
- 1130 WISN WI to 7/11/74
- WSLT NJ to 5/12/74 AND was given permission to ID as "Ocean City-Sommers Point"..
- 1250 WTAE PA to 6/15/74

Finally:: All the following have been granted presunrise authority. This allows operation from 6AM local time to local sunrise at, in most cases if not all, a power not over the regular daytime power. At present we don't know the powers of these stations, but we can feel safe in saying that none will operate with more than 500 watts.

- | | | | |
|------------|-----------|-----------|---|
| 580 WSKS | 1300 WMVO | 1560 WYSE | And the following which I left outta the list I just typed. |
| 660 WESC | KOLY | KIQS | |
| 730 KWRE | 1310 KGMT | 1570 WLSC | |
| 800 KBRN | 1330 WYGO | WBUZ | 1080 WNWI |
| 810 KAFE | 1380 WGSE | KVRA | 1130 KLEY |
| 900 WATV | WTOB | KMAR | 1420 WWSR |
| 910 WPFB | 1390 WFNK | KLOV | |
| 950 WLIT | WROA | KBJT | |
| 970 WERH | 1410 KQAL | 1600 WNST | And I got four left that I can't find a freq. for so when you find it, tell me. |
| 1050 KLEPL | KLKM | | KQWC WYLF WMTY KVOV |
| 1060 KHVM | 1420 WSHU | | |
| KAMA | 1430 KASI | | |
| WALD | 1460 WRAC | | |
| KLMO | 1470 WTKO | | |
| 1090 WIID | 1480 WSAR | | |
| 1110 WCBR | 1500 WVSM | | |
| 1140 WIXC | WBFN | | |
| 1150 KPNG | KWFA | | |
| WABH | WLWL | | |
| 1170 KJAS | 1510 WINU | | |
| 1190 WAMB | 1520 WNMT | | |
| 1220 WSFT | WCSV | | |
| 1260 WCSA | WDGL | | |
| 1280 WPID | 1550 WSER | | |
| WGTX | KCOM | | |



Onward.....

r c's

4th Wed (DEC) KHAC 1300 AZ (NRC)
 1st. MM (JAN) KEOS 690 AZ (NRC)(This still on EST thus @ 0300)
 3rd. SAT (JAN & DEC) KGRT 570 NM (NRC) (Listed as 2nd. WED in 2/14 DDND-HWB)
 3rd. MM (JAN) WPJD 1550- WKIG 1580 (JWB)
 4th. WED (JAN) KLTI 1560 (JWB)

"FEB."

1st. MM WEED 1390 - WPLB 1380 (JMP) WBRN 1460 (ELK)
 1st. TUE. WHGR 1290 (ELK)
 2nd. MM WELI 960-WCAZ 990 (HWB)

One possible change- WUCR 860 TN listed as 1st. WED was noted on at the correct time on 2/13--A 2nd. Wed. (HWB)

And some last minute f/c stuff from GF.

4th. MM (Jan) WANV 970
 1st. MM (Feb) KFSA 950
 1st. Sun. (Feb) KJLT 970--KCII 1380

And still more changes

Call letter action:;

900 KMCO TX--granted KIKR 1430 KKAT NM--seeks--KMGM
 1550 WRIZ FL--granted WRHC 1160 *CP* PR--granted WBQN

More stuff..

1280 *ID* VA Granted new AM & call of WTTX..State Road 1032, Appomatox
 1470 KVIN OK Granted program authority.

Final actions..

910 WLAS NC Granted CP to change to unlimited hours and move transmitter to allow for 5,000 DA-N operation.

1580 WYYZ GA Granted license for new AM station.

Hello troops. Captain Starr here. The following is presented for your enlightenment. You will read it AND YOU WILL LIKE IT! Plurt.....

sunset & evening

910 WOKK MS 1/21 noted on top w/C&W 1905 (JF)
 950 WHVW NY 2/2 popped in for ID 1809, then ~~pop~~ and gone again (MK)
 + WLIT OH 2/9 FINALLY w/NBC Nx 1300, followed by "95-WLIT" jingle, very weak u/WJJ and WGRP-940 slop. Format seems light Top 40 and some MoR. Add net to Log (JS)
 1020 WPEO IL 2/5 s/off 1931, no SSB o/u looped KDKA (JS)
 WCIL IL 2/5 s/off 1930 o/u looped KDKA, no SSB (JS)
 1090 WENR TN 1/12 brief ID thru mess 1706, then faded (JF)
 1140 KSOO SD 2/13 w/state nx 1750-1755 u/looped WRVA, then mx, ID and gone at 1759 pattern change (HWB)
 1180 WHAM NY 2/10 noted off 2005-2040+, strong SS and very weak KOFT in spots during this period (JS)
 1280 WBRX PA 2/1 good w/ s/off o/WADO 1844 (JMP)
 1300 WBLG KY 1/30 w/Radio 13, The Big News Machine before local nx 2258, ID 2300 into NBC Nx. WRBC weak (BW)
 1310 CHGB PQ 2/6 noted 2005 w/FF nx, then FF ID (DM)
 1360 WCHL NC 1/13 fair and in clear w/RR 1655 (JF)
 1370 WTTS IN 1/30 w/nx 2310 in/out w/WSPD, proving something else can be heard on 1370 (BW) I hear static there on occasion-JS
 1380 WOWW CT 2/3 s/off 2359 w/WBNX trash mixed in (MK)
 1390 WWOD VA 1/19 C&W mx and ID 1605-1613 w/WKYO (JF)
 1430 CKFH ON 1/30 w/ID, promo, RR pulverising freq 2338 (BW)
 1450 WPAM PA 1/24 atop 1800 after WCTC/WILM power drop, quich ID then also dropped power. (JMP)
 1480 WLEA NY 2/2 good in clear w/Ae Nx 1730 (JF)
 WTRA PA 2/3 good w/RR atop freq 1853-1859 s/off, no WHOM (JMP)
 1520 WTRI MD 1/30 quick annet amid religious mx 1814, then s/off (JMP)
 1530 WQVA VA 1/22 good w/ s/off 1815 way o/all, first time enuf for report (

1530 WBCW PA 2/11 noted on RS at midday, rather weak w/QRM and WPME-1540 splash (JWB)
 1550 WSAO MS 2/12 caught half of s/off 1742 o/u CBE, no SSB (HWB)
 KQWB ND 2/12 on top w/ s/off, no SSB 1744 w/KWIZ-FM mention (HWB)
 1580 WCRV NJ 2/2 s/off very loud 1830 (MK)
 WPKY KY 2/12 on quite late w/e-z mx, spots 1818-1830, then BKB pre-game to 1838 cut w/ many spots (HWB)
 WESY MS 2/2 fair and alone w/ s/off 1830 (JF)
 WRBJ MI 2/2 good w/ s/off 1815 w/slight CBJ (JF)

midnight to sunrise

550 WSAU WI 2/7 on top of the heap 0225-0240 w/Solid Gold on the Tom Lickey Program (ELK) Sounds like something on 'GAR-JS
 560 WHBQ TN 2/11 noted w/RR, nx 0444 (GF)
 570 WMCA NY 2/11 w/spot for Fay-Mart 0449, then female host on telephone talk show (GF)
 580 WIBW KS 2/4 finally w/Public Service, ID, wx, etc 0235, many Kansas and Capital City mentions (BW)
 CKPR ON 2/6 in nice twixt 0217-0220 w/contemporary mx (ELK) Twixt?-JS
 +650 WSM TN 2/11 s/off 0100, gave s/on as 0545, log change (HWB)
 740 Unid ?? 1/21 loud 500Hz TT 0153-0208 o/CBL, help (BA)
 790 WFUN FL 2/4 good o/WQXI w/RR and wx, mentioned unseasonably low temp in the mid 40's 0207 (JMP)
 +860 WUCR TN 2/13 noted 0548-0558+ w/TT on announced FC, ID e/5 min, TT seems mix of 250 & 400 Hz, 2nd WED, not 1st as on List (HWB)
 910 CHRL PQ 2/4 way o/WSBA w/FF MoR 0104 (JMP)
 920 WJAR RI 2/6 w/jingle ID 0300, then into NBC logo, AN show uses "Golden Hours" slogan (GF)
 WOKY WI 2/6 w/nx 0255, wx at end done by another anncr, 0300 ID (GF)
 KDHL MN 2/6 w/nx 0250 tune-in, s/off w/SSB finished 0257 (GF)
 +940 KGRL OR 2/4 TT w/KIOA 0315-0330, called station 0335 and op, not CE, turned XR back on w/TT on/off so I could verify if it was they, requested CW IDs for RC in March & April (GF)
 950 KIMN CO 2/11 w/Superstar 0217, then UFO talk (GF)
 KFSA AR 2/4 heard well on RC (GF)
 +960 WFIR VA 2/3 s/off 0000, anncr s/on 0500, ad SM SP to log (BW)
 WERC AL 2/3 w/dedications 0017 and "Music for Lovers & Losers", ID 0021 (BW) Aren't they both the same?-JS
 970 KJLT NE 2/3 1st SA FC 0132, short TT, IDs u/WWSW, off 0145 (GF)
 1050 WHN NY 2/4 was probably the SSB 0102 leaving CHUM nx and Unid classical mx, whozzat? (BW) Dunno-JS, Maybe it was below:
 CKSB MB 2/4 on top 0059-0103 ending CBC concert, NX followed. ID as "CKSB Manitoba" only (ELK)
 1110 CBD NB 1/26 audible u/WBT 0105 w/ s/off (MK)
 1140 CBI NS 2/11 fair o/FF and thru WRVA OC 0007-0017+, Maritime wx to 0014, CBI-TV promo, and ID into mx (HWB)
 +1170 WWVA WV had 1st MM SP last season, does it still exist? (JWB)
 1230 WFAI NC 2/4 on top w/ID 0045, then lost (BW)
 1240 WSSV VA 2/4 w/mx 0033 on top w/ID 0040, then more mx (BW)
 WCOU ME 1/14 noted AN w/C&W, CBS Nx (BA)
 1250 CHWO ON 2/4 w/ads 0208 while WTAE on OC (BW)
 KCFT IA 1/15 on ET 0615-0630+ w/ID every min (dm)
 1280 WFFF MS 2/1 good w/TT during listed FC but no IDs heard (JWB)
 CHAM ON 2/4 ID & promo for blue jeans giveaway 0212, then RR, FF in under it (BW)
 1290 WHGR MI 2/5 in solid w/FC/TT 0004-0013 s/off, ID 0008 & 0013, typical Michigan FC w/ rising/falling tone freq (ELK)
 1310 KNOX ND 2/4 1st MM FC w/TT 0124, then ID, back to TT (GF) 2/4 has to be the one w/TT 0117-0130, TT cut 0120 long enuf for ID but wife ruined chance to hear it (BW) Next time, try kicking her in the left kneecap-JS
 1360 WCHL NC 2/11 "DX" L&C atop all 0303-0325+ w/RS sounding test (JS)
 WMNS NY 2/13 noted u/WSAI/WIXZ mess 0614-0625 w/Big Band mx (HWB)
 WKYO MI 2/13 out of nowhere 0629-0630 w/instrumental mx, TC, and more mx (HWB)

- 1370 WOTR PA 2/13 noted 0605-0612 u/WSPD w/nx, sports, public service, local wx and C&W mx (HWB) So, Mr. Boy, you finally hear this one. Clone! - JS Can ELK hear THIS one?
- 1380 WMEE IN 2/11 ET/TT/OC 0425-0505+ (JS)
KCII IA 2/3 w/TT 0103, ID 0112, annct as FC, then more TT (GFU)
- +1390 WEED NC 2/4 noted w/TT 0025-0027, heavy QRM but nice sig, list sez FC 0115-0130, maybe a change (ELK)
WMPO OH 2/9 like a local w/TT 0020-0035 (JWB)
- +1390 WFMJ OH is now 24-hours, Whoopie! Has MM SP 0100-0500 altho does some ETing in this period. (HWB) Goodbye 1390-JS
- 1400 WGON MI 2/11 DX not noted, DXN w/details of DX never arrived so dunno what they tested with. Nothing DX-like heard here (JS) Likewise, also (HWB)
WJET PA 2/11 0414 w/Big Al Knight & RR (GF) Big Al is radio's most serious attempt to return to the 19th century-JS
- 1440 WHIS WV 2/11 NNRC DX not heard here altho this station usually is heard well u/local WHHH during RS, evidently not on (JS)
- 1450 WSMG TN 2/1 noted w/dialtone and ID 0306-0307 (ELK)
CFJR ON 2/5 logged ID 0105 ending nx, tough, ID as "Radio 145" and seemed to announce companion station (ELK)
CHUC ON 2/5 w/ s/off 0115 w/organ national anthem, this followed sports, annct s/on 0600, presume 0700 EDST, regular now but only fleetingly, not enuf for rpt (ELK)
KFIZ WI 2/5 noted s/off 0105, gave s/on as 0530, CDST (ELK)
- 1460 WBRN MI 2/4 FC/TT 0017-0021 per list (ELK)
Unid ?? 2/4 strong TT 0016 during WBRN RC, DF OK for WBRN (BW)
- 1490 WABJ MI 2/11 w/nx and Ai net (GF) El Pesto here - JS
- 1500 WDEN GA 2/11 noted w/C&W after WDEE off, AM-FM ID 0323 (GF)
CKAY BC 2/11 noted s/off 0411 after nx, wx, etc, no GSQ (HWB)
- 1520 KAMX NM 2/11 DX no sign here as expected, didn't know what to listen for since no DXN #15 yet. Nothing unusual u/strong looped WKBW but unid SSer (JS)
- 1530 KFBK CA 2/11 ID 0206 into mx, gone 0208 covered by unid w/non-stop music, too weak to be WCKY, I give up (GF) See below-JS
KNIE WY fair u/KFBK, sometimes over, 0130-0215 thru unid ET/OC, had up-tempo MoR 2-3 selections in row, several IDs, MDST TCs, UPI Nx 0200, local nx & stuff 0205-0209, lost to unid (HWB)
- 1540 WPTR NY 2/11 ET/TT/MX 0210-0235+, no KXEL (JWB)
- 1550 Unid ?? 2/11 TT noted strong 0210-0235 (JWB)
- 1560 WVAK IN 2/11 listed FC 0400-0415 not heard, likewise last month, altho freq clear. Is this inactive? (JS)
- 1580 WPUV VA 2/7 in well w/TT/OC 0147-0151 w/heavy CBJ QRM (ELK) Somehow I never thought of CBJ as heavy - JS
WSUF NY 2/3 w/another ET 0230 using 10 kw and mx (JWB) 2/3 really loud 0202, ID 0205, weird mx (GF)
KDAY CA 2/4 finally logged, am I the last? R&B mx 0257-0305, ID as "Southlands Oldest Totally Uninterrupted All Gospel Music Station" (ELK) Yes, you are the last and still may be. KDAY is RR.-JS
- 1590 WETT MD 2/3 ID 0034 after MD Nx, noted w/tide times 0032 (GF)
WAWA WI 2/11 ET/OC/TT/MX killing WAKR/WETT 0415-0440+, several jingles noted (JS)
- 1600 WWRL NY 2/11 ET/OC/TT 0200-0445+ on and off (JS)
- + KATZ MO 2/11 noted on RS 0300-0430+, log change, has been NSP for a long time (JS) 2/11 out of UPI Nx 0405 into R&B, think WWRL was off (GF) You thunk good, they wuz off de air -JS
KLAK CO 2/11 w/WWRL off u/KATZ 0425-0500 WFRC s/on w/C&W, wx, temp for Denver, nx & sports 0456, PSA 0458 (HWB) 2/11 atop KATZ 0445+ (JS) Tuff luck GF!

One note from BA that WMAS-1450 is carrying CBS Mystery Theater despite being an Ae Net station. Can be a fooler. Well, Bill, it wouldn't fool me. I can't ever hear WMAS-JS

Now, turn the page and follow the bouncing ball as we all sing the names of our faithful contributors:

FAITHFUL CONTRIBUTORS AND A FEW OTHERS:

BA: Bill Andres, Springfield, MA, 1953 Zenith, 4-foot loop, 8-inch spkr
JWB: Joe Brauner, Punxsutawney, PA, SX-99, LW
JF: Jeff Falconer, Clinton, ON, Kenwood 9R59DS, SMI
GF: Ed Fox, North Oldsted, OH, SX-66, SMI
ELK: Geoff Krejny, Middleburg Heights, OH, HQ-834, 4-foot garish 813
SM: Stanley Morss, Bradford, MA, HQ-150, SMI
MK: Marc Cats, Brookline, MA, HQ180, 913-type loop
dm: dAN mYERS, Toledo, OH, HQ180, 3-foot loop (CONVENTION-VILLE)
JMP: Jim Poterba, Yardley, PA, HQ200, SMI
BW: Bruce Winkleman, Man, WV, A2515, SMI
GPN: Gorden P. Nelsun, Watertown, MA, Philco 5-tube. SM810
HWB: Wesley Boyd, Girard, OH, HQ180, 2-foot loop
JS: Jerry Starr, Hubbard, OH, HQ180, 4-foot loop, Beverage of variable lengths

This is Radio Station DDXD concluding another day of broadcasting. DDXD operates during the hours of daylight on a frequency of 540 to 1600 kilo-Hertz with a power of 117 volts as authorized by the National Radio Commission in Boonton, New Jersey. We will return to the air next week at this same time. Until then, this is Jerry Starr speaking on behalf of the staff and management of DDXD wishing you a good night and good morning. Ladies and gentlemen, our national nern.

Jerry & ME

Wesley & Jerry
73 and 808's

During our silent period, we present the following special transmissions from HQ:



NRC LOG UPDATER VOL.4 NO.4

10

540 *KDLT-UT CP. LOC: Delta D1 610 WSNQ-CT ex WTOR
1000. KRKE-NM ex KGGM
CBXQ-BC // CBU-690 CKYL-AB P.C.: TOH 2YO
CBAC-NS // CBH-860 CHNL-BC CP is on. U4 10000
5000. // CJNL-1230
550 KBOW-MT SCH: 24 hrs SP: MM and CINL-1400
0200-0800 CJAT-BC CP is on. U5 10000
KOAC-OR SCH: 0959-0202 week 1000. SCH: 24 hrs
days SP:MM. // CKEK-570
and CFEK-1240.
560 CKNL-BC // CFNL-590 CKML-PQ Soon // 710, 1340,
CJKL-ON // CJTT-1230 1490 CP's and 1400
CBDE-YT // CFWH-570 twins.
CBDD-YT // CFWH-570 CKRW-YT ADDR: 203-4103 4th
Ave.
570 WAAX-AL SCH: 0600-0200 CBHH-NS // CBAF-1300
CKEK-BC CP is on. U3 10000 CBQD-NF LOC: Wabush, Nfld.,
1000. // CFEK-1240. Labrador. // CFBG-1340
// CJAT-610 from 2- #CJOX-NF is on, delete "#"
8 EST only. SCH: 24
hrs SP: MM
CKCQ-BC // CKBX-1240 & CKWL- 620 KTAR-AZ SCH: 24 hrs SP: Sun
920. ADDR: 160 Front AM 0200-0500
St. CP U4 5000 500
CBDN-PQ // CBM-940 WHJB-PA NET: Ai
CFWH-YT ADDR: Box 4430 WETE-TN ADDR: Box 758. //
CJCI-BC CIVH-1340 (+twin)
CFCL-ON // CFLK-1230 and CFLH-1340.
580 WELO-MS SCH: 0457-0103 CBRZ-BC // CBU-690 as is
WKSJ-NC Is on, delete "#" CBXZ, CBRW, CBKU
WKTY-WI SCH: off AN. S/off 630 all 630.
0300 (0100 MM) CBKK-BC // CFPR-860.
CKUA-AB SCH: 0800-0405 (0305 CKRC-MB P.C.: R3B 2K6
MM). CP U4 50000 50kw CKAR-ON // CKAR-1 1340
CKXR-BC // CKCR-1340 & *CP- SCH: 24 hrs
1400 Golden. CFCY-PEI SCH: 24 hrs
CKY-MB SCH: 24 hrs NSP KIDO-ID SCH: 24 hrs SP:MM
CBAH-NS // CBAF-1300 KOH-NV SCH: off AN. -0408
CFRA-ON Postal code: K1S 5A3
CKAP-ON P. C.: P5N 1X5
590 CFNL-BC ADDR: Box 880. // 640 CBKW-BC LOC: Jaffray. U1 40
CKNL-560 40. // CBU-690
CFTK-BC ADDR: 4625 Lazelle 660 WNBC-NY SCH: 24 hrs SP: MM
Ave. // CKTK-1230. 0100-0500
CFAR-MB // CP-1240 The Pas.
CKRS-PQ ADDR: 175 Sir Wil-
frid Laurier St. 670 KBOI-ID SCH: 0700-0205
600 *KINC-CA Note call for Inde- 680 WMSJ-NC SCH: 0600(0700)-
pendence CP. 2300 (0000 Sat.,
KROD-TX SCH: 24 hrs SP: MM 2200 Sun)
0200- WPTF-NC SCH: 24 hrs SP: MM
// CBN-640 1st and 4th 0010-
CFCT-NWT P.C.: XOE 100 ADDR: 930 Portage
CBAS-NS // CBAF-1300 Ave. P.C.: R3G OP8
CBAX-NB // CBZ-970 // CHAK-860
CFCH-ON ADDR: Box 3000, North CJCJ-NF ADDR: Box 458
Bay. P.C.: p1B 8K8

690 CBDS-MB // CBW-990 800 CBQ -ON ADDR: 213 Myles St.
CBDO-NWT // CFYK-1340 NET: CBC EE
CBES-ON CBQ-800 CHAB-SA ADDR: 116 Main
CBDM-YT // CFWH-570 North. S6H 3J7:P.C.
CBWB-MB // CBW-990
*CP -ON Ear Falls. // CBQ- 810 KGO-CA SCH: 24 hrs SP:Sun
800 0245-0900
CHQR-AB P.C.: T2R OX3
710 KIRO-WA SCH: 24 hrs SP:MM
-0825 850 *KGGH-TX Call for Houston CP
WDSM-WI SCH; 24 hrs CKRD-AB SCH: 24 hrs SP:MM
CJOX-NF Delete listing, on 0200-0800
610. NET: F
CBMF-PQ // CBM-940 860 CBXB-AB // CBR-1010
CKVM-PQ // CKUT-1340 CBXL-AB // CBX-740
CFRG-SA ADDR: 1840 McIntyre CBXM-BC // CBU-690 as are:
St.. Regina. S4P 2R1 NET: CBC FF. // CFNS-
1170. CBRT, CBUH, CBRJ, CBUE,
*CP-PQ Port-Cartier. U1 CBRD, CBRJ, CBUE,
1000 1000. // CKML- CBUG, CBUL, CBUF,
610 & 1490, 1340, & CBRP, CBXW, CBRL,
1400 CP's. CBRA, CBUC, CBUJ,
CBKZ all 860.
720 *KOTZ-AK LOC: Kotzebue CBDU-MB // CBW-990
CBKB-MB // CKSB-1050 as is
730 WPIK-VA NET: M CBXF. NET: CBC FF
CBRF-BC // CBU-690 // CFYK-1340
CBUA-BC // CBU-690 CHAK-NWT P.C.: XOE OTO. //
CKLG-BC LOC: Vancouver. de- CBQM-680
lete North. // CFWH-570. Delete
CKDM-MB P.C.: R7N 2V5 "Milepost 1016."
CJNR-ON // CKNR-1340 CFPR-BC ADDR: Box 99
880 KRVN-NE SCH: 0500-0000
CBDV-NWT not CBOW. // CFYK-
1340
740 WVCH-PA NET: Ae CBDH-SA // CFYK-1340
CBX-AB P.C.: T5J 2P4
CBRM-BC // CBU-690. Also:
CBKJ, CBRO, CBKR,
CBUI, CBRN, CBRQ,
CBUN, CBKW all 740.
900 WKXA-ME ex WCME
CBUK-BC // CFPR-860, also CBRK-BC // CBU-690 as are:
CBRS. CBUM, CBUB, CBUO, CBXV
all 900.
CBHD-NS // CBH-860 *CP-BC Pentiction. Delete
CBAW-NB // CBZ-970 listing.
CBNB-NF // CBY-990, also CKDR-ON // CJRL-1220
CBNF. // CJBK-1450
750 KFQD-AK ADDR: 9200 Lake Otis CJKR-PQ // CJBK-1450
Parkway. ZIP: 99507 CKTS-PQ SCH: 24 hrs
CKVD-PQ // CHAD-1340 & CKRN
1400
790 *KGPD-CA Call for Clovis CP. 910 KAMD-AR SCH: -0005
CFCW-AB CP is on. U4 50000 WOKK-MS Has taken over WCOC
50000 facilities. PWR: U1
CFAN-NB ex CFUN 5000 1000. SCH: 24
hrs SP:Sun 0200-
800 CJJC-BC SCH: 24 hrs NSP 0630. WOKK-ex 1450.
CKOK-BC // CKOO-1240, CKGF- WCOC-MS Station deleted.
1340, CKSP-1450 WSBA-PA off AN. S/on 0600.
*CBQ-ON Call for Thunder Bay P.C.: X0J OYO. //
Delete "**", is on. CKBR-1340

910 CFJC-BC not CFR
CKLY-ON SCH: 24 hrs SP:MM
0100-0558
CBO-ON P.C.: K1Y 1E4
CHRL-PQ CP is on. U2 10000
2500

920 KARN-AR SCH: 24 hrs SP: Tue
0100-0600
KFNF-IA SCH: 0700-0000 M-F
0700-0100 Sat, 0800-
2100 Sun
CKWL-BC // CKCQ-570 & CKBX-
1240
CBWF-BC // CBU-690
CBKG-BC // CFPR-860
CBQE-NWT // CFYK-1340 as is
CBQI.
CFRY-MB P.C.: R1N 0N6

930 WNH-NH SCH: 0500(0730)-0000
WEOL-OH SCH: 24 hrs SP:MM
0005-0600
CJCA-AB PWR: U2 10000 5000
CJON-NF CP is on. U4 25000
25000

940 WIPR-PR SCH: 0630-
*WEOO-VA ex WATM
CBXR-BC // CFPR-860
CBDL-YT // CFWH-570 as is
CBDK
CBXU-BC // CBU-690

950 WJPC-IL ex WGR
WLIT-OH CP is on. Delete "*"
WPEN-PA SCH: 0600-0000
CFAM-MB // CJRB-1220 & CHSM-
1250. P.C.: ROG OBO

960 WEAV-NY SCH: 0500-0000
WFIR-VA NET: Ae
KOVO-UT SCH: 24 hrs NSP
CKWS-ON P.C.: K7K 1B2

970 WAVE-KY SCH: 24 hrs SP:MM
0008-0500
WAMD-MD SCH: 0600(0800)-
2315
WWDJ-NJ SCH: 24 hrs SP: MM
KREM-WA SCH: 24 hrs NSP
CJYR-AB // CKYR-1450. P.C.:
TOE OPO
// CFWH-570

980 WFHG-VA SCH: 0500(0630)-0100
CFPL-ON P.C.: N6A 4H3

990 KTYD-CA ex KGUD
WNNO-WI ex WDA

990 WIBG-PA SCH: 24 hrs SP:MM
0200-0530
CBUS-BC // CBU-690
CBW-MB P.C.: R3C 2H1
CBAK-NB // CBAF-1300
CBAD-NB // CBZ-970 as is
CBAO
CBDW-NWT // CFYK-1340
CBAE-NS // CBAF-1300 as is
CBAA
*CBFL-PQ Call for Maniwaki
CP. //CBOF-1250
CBFW-PQ // CBF-690 as are
CBFB, CBFI
CBMB-PQ // CBM-940 as is
CBME
CBDY-YT // CFWH-570 as are
CBDB & CBQF
CHPI-NWT PWR: U1 40 40 P.C.:
XOA OSO. Programs
local Eskimo

1000 *CP-NJ Hacketts+own 07840
D1 1000

1010 KCMJ-CA SCH: 0900-0308
CBR-AB ADDR: Box 2640 P.C.:
T2P 2M7
CBLD-ON // CBQ-800 as is
CBEA

1030/XTWO-WY CP: U2 10000 10000

1040 WHO-IA SCH: 24 hrs SP:Sun
0100-0700
ex K1XL
1050 KPBC-TX CP: 1470
KWIV-WY LOC: Winnipeg, ex
CKSB-MB St. Boniface. P.C.:
R2H 2W2
// twin CJWA-1240
CJIC-ON P.C.: S9A 2Z5
CJNB-SA

1060 WNOE-LA SCH: 24 hrs SP:MM
0135-0530
WQWX-NC CP is on. Delete *
CH: 500
ex KHRB

1070 WTSO-WI SCH: 24 hrs SP:MM
CBBU-BC // CBU-690 as is
CBXV
// CFPR-860
CBUV-BC P.C.: N7T 7K5
CHOK-ON CP is on. Delete *
1080 KJEL-MO SCH: 24 hrs SP:MM
CKSA-AB 0200-0700
// CBU-690 as are
CBUD-BC CBRI, CBRE, & CBKX

1090 WSLG-LA LOC: Gonzales, ex 1180 WHAM-NY SCH: 24 hrs SP:
Donaldsonville Sun -0630
KTGO-ND NET: M KOFI-MT SCH: 0800-0206
CBNG-NF // CBT-540

1100 WWWE-OH SCH: 24 hrs SP:MM
0100-0430 1190 KADE-CO CP is on. Delete *
CBNC-NF // CBY-990
CBAR-NS // CBH-860
*CP-ON Mississauga 10000
D3
1110 WBT-NC SCH: 24 hrs SP:Sun
AM CBMC-PQ // CBM-940
Delete listing, on CFSL-SA P.C.: S4H 2K2 //
1160 CJSJ-1280

1120 KPNW-OR CP is on. U4 50000 1210 WKNX-ML ADDR: 5200 State
50000 St.
CFFB-NWT P.C.: XOA OHO
1130 WISN-WI SCH: 0600-0103 1220 CJOC-AB ADDR: Box 820 //
CBGR-PQ CP is on. PWR: U1 40 twin CJPR-1490 //
40. // CBGA-1250 P.C.: P9N 1F9 //
CKDR-900
CJRL-ON CP is on. Note
CJRB-MB call. LOC: Boiss-
evain. ADDR: Box
1220. SCH: 24 hrs
NSP. // CFAM-950 &
CHSM-1250

1140 WCJW-NY NET: Ae
CKXL-AB ADDR: Box 1140. P.C.:
T2P 2M7
CBAN-NB // CBZ-970
CBAP-NS // CBH-860

1150 WDEL-DE SCH: s/off 0027
WNDB-FL SCH: 24 hrs SP:MM
0000-0600 1230 KSUN-AZ CP is on, delete
1st listing, de-
lete "/" on 2nd.
WHMC-MD Silent SCH: s/off 1900
CBKL-BC // CFPR-860 KHDN-MT
CBKH-BC // CBU-690 as are WLFH-NY
CBKM, CBXA, CBXS, &
CBRG SCH: 24 hrs SP:
2300 Sun -0500 MM
CKIQ-BC CP is on. U3 10000 WCRO-PA SCH: 0530-0100
1000. ADDR: 2419 (0000)
Harvey Avenue WKYG-WV SCH: 24 hrs SP:MM
0005-0500
CBQD-NWT // CFYK-1340 SCH: 24 hrs
CJRC-ON P.C.: K1G OZ4 WHBY-WI
CKX-MB SCH: 24 hrs CJOK-AB ADDR: Box 3000 PG:
TOA 1KO

1160 *WIDL-PR Call for Barcelone-
ta CP. CKQR-BC ADDR: 601a Colum-
Delete "/" Is on, bia Ave.
ex 1110 // CFTK-590
CJNL-BC ADDR: Box 1630. //
CHNL-610 & CINL-
1400
*CP-BC Rainbow Lake. De-
lete listing

1170 KOWO-MN ADDR: Winona, Mn.
KPUG-WA SCH: 24 hrs SP:MM
KVOO-OK SCH: 24 hrs SP:4th
MM 0100-0200
CKGY-AB ADDR: 4805 48th Ave
P.C.: T4N 3T2
CBRB-BC // CFPR-860 as are
CBRH, CBRC, & CBRV
CBUZ-BC // CBU-690 as are
CBUW, & CBUX
CFNS-SA ADDR: 1840 McIntyre
St., Regina. P.C.:
S4P 2R1. // CFRG-
710 & CFRG-1230

CFBV-BC // CFLD-1400
CHFC-MB P.C.: ROB OKO
CBQC-NWT // CFYK-1340
CBAL-NS // CBAF-1300
CBAZ-NS // CBH-860
CBHF-NS // CBAF-1300 as is
CBAJ
CFLK-ON // CFCL-620 & CFLH-
1340
CJTT-ON // CJKL-560
CFPA-ON No longer CBC affil

1230 CBMK-PQ // CBM-940 as is 1240 WRTA-PA SCH: 0530-0000
 CBDR-PQ CBMH WHUM-PA SCH: 0500(0700)-
 CKLD-PQ // CBGA-1250.NET:F 0000(0200 Sat).ZIP:
 CFGR-SA SCH: 24 hrs 19601
 ADDR: 1840 McIntyre WSEW-PA SCH: 0530(0600 Sat,
 St., Regina. P.C.: 0700 Sun)-0000
 SLP 2R1.// CFNS-1170 WBAX-PA NET: Ae, delete M
 // CFWH-570 ZIP:18703. ADDR: #1
 CBDC-YT Not CFQK. // CFWH- Broadcast Plaza
 CBQK-YT 570 KEAN-TX SCH: 0600(0700)-
 *CP-NF Happy Valley. U1 0100
 1000 250 KSOX-TX SCH: 0700-0000
 1240 KCYN-AZ SCH: 0800(1000)- KFBK-WY SCH:0800(0900)-
 2200(2030) 0245
 KTLO-AR SCH: 0600(0700)- CFVR-BC // CHWK-1270 & CKGO-
 0000(2235) 1490. PC: v2T 3R8.
 KPLY-CA SCH: 0900-0200 CBXY-AB // CBX-740
 KOAD-CA SCH: 0900-0100 CFEK-BC ADDR: Box 885. //
 KMBY-CA SCH: 24 hrs SP:MM CKEK-570. SCH: 24
 0400-0800 hrs SP:MM
 KPPC-CA ZIP: 91106. SCH: CBDA-BC // CBU-690 as are
 2200-0200 Wed. & CBXE, & CBXK
 0900-0300 Sun. // CBH-860
 KLOA-CA SCH: 0855(0955)- CKBX-BC // CKCQ-570 & CKWL-
 0307(0100) 920
 KROY-CA SCH: 24 hrs NSP CKOO-BC // CKOK-800 & CKGF-
 KBON-CA NET: Ae 1340 & CKSP-1450.
 KSON-CA SCH: 24 hrs NSP ADDR: Box 539
 KSUE-CA SCH: 0800(0900)- CBLP-ON // CBL-740 plus lo-
 0200(0300 Fr & Sat, cal programs
 2300 Sun) // CBQ-800
 WEGC-FL SCH: 0630-0000. De- CBLN-ON ADDR: Box 704. P.C.:
 delete NET. ADDR: N5A 6W3
 South Blvd. Ext. CJAF-PQ // CJFP-1400 & CHRT-
 WINK-FL SCH: 0600-0000 // CFED-1340
 WMMB-FL SCH: 24 hrs SP: MM Baie Verte. // CKGA-
 0000- irreg. 730 & CKCM-620 &
 WFOY-FL SCH: 0530(0700)- CHCM-560 & VPCM-590
 0006
 WDUN-GA NET: Ae 1250 CHSM-MB SCH: 24 hrs NSP. //
 WEBQ-IL SCH: 0645-0100 CFAM-950 & CJRB-1220
 WTAX-IL SCH: 0600(0700)- CBOF-ON P.C.: K1Y 1E4
 0206(0100). ADDR: CKJD-ON SCH: -0100 daily
 Box 3166 CBGA-PQ NET: CBC FF. //
 WSDR-IL SCH: 24 hrs SP:MM CBGN-1340
 0100-0600 CKOM-SA P.C.: S7H OW3.ADDR:
 3333 8th Street
 WSFC-KY SCH: on past 2300, WWOX-FL SCH: 24 hrs SP:MM
 may s/off 0000 0100-0500
 WCOU-ME SCH: 0500(0600)- 0015
 NET-delete it WNDE-IN SCH: 24 hrs NSP
 WOCB-MA has reduced sked 6 hrs/week 1270
 WMPA-MS SCH: 0630(0800)- KCOK-CA SCH: 24 hrs NSP
 0100(2100) KTFI-ID SCH: 0700-0210
 WMIS-MS SCH: 0600-0200 WUCA-IN SCH: 24 hrs SP:MM
 WCNC-NC SCH: 0559(0700)- 0007 0250-0630
 CHAT-AB ADDR: Box 1270
 WRNC-NC s/off 0000 daily CHWK-BC ADDR: 50 Yale Road
 East. PC: V2P 6J7

Continued on page 27....

NRC REPRINT LIST

PAST ARTICLES FROM DX NEWS

ANTENNAS

- A1 SOME TIPS ON LOOP CONSTRUCTION, J. Starr. Helpful hints on the practical construction of loop antennas.
- A3 HIGH PRECISION DIRECTION FINDING ON THE BCB, PARTS I & II, G.P. Nelson. Part I uses Maxwell's Equations to derive the equations describing MW direction finding with a loop antenna. Part II is a nontechnical discussion of how loop antennas operate on the BCB and how to get the most out of a loop.
- A4 A ZERO SHARPENING DEVICE FOR A BCB LOOP, T. Holmes. If you're having trouble obtaining sharp nulls with a standard loop, this simple device may help. The 1965 forerunner of the Pattern Controlled Loop.
- A5 A VERSATILE LONGWIRE ANTENNA COUPLER, R. Foxworth. How to get the maximum amount of signal from your longwire.
- A6 RANDOM THOUGHTS ON THE CONSTRUCTION OF THE FET ALTAZIMUTH LOOP ANTENNA, R.J. Edmunds. Practical hints on building the ultimate in MW loops.
- A7 ROLL YOUR OWN (LOOP THAT IS...), D. Fischer. Loop won't tune the entire band? This article describes what's wrong and how to cure it.
- A8 DIRECT COUPLED LOOPS, D. Fischer. Discussion of loop design and details on coupling your present loop for maximum performance.
- A9 ONE TRANSISTOR LOOP AMPLIFIER, G.P. Nelson. This simple circuit will greatly improve loop performance.
- A10 THE DEGENERATE LOOP: AN EXCELLENT ANTENNA COUPLER, D. Fischer. Another approach to obtaining a good antenna match.
- A11 FET ALTAZIMUTH LOOP ANTENNA PLANS, G.P. Nelson. Highly detailed instructions for the construction and operation of the most advanced loop antenna ever designed. Computer-optimized design permits nulling local stations more than 80 decibels; hear DX under your locals! Plans for both designs: with and without the FET transistor amplifier. FET amplifier can be added later to boost performance. Many drawings; where to obtain parts.
- A12 THE BCB DX'ERS BEVERAGE, G.P. Nelson. Nontechnical article on building a Beverage antenna - unequalled for MW reception.
- A13 LOOP DISTORTION: WHY GET SKEWED, G.P. Nelson. Discusses the origin of distorted DX loop patterns. Unique technical material not available elsewhere; a must for those interested in designing MW loop antennas.
- A14 PATTERN CONTROLLED LOOPS, PARTS I & II, G.P. Nelson. Introduction to the theory and practice of pattern controlled and cardioid loops for the BCB DX'er.

- A15 HQ TRIES THE SPACE MAGNET, HQ Staff. NRC technical staff evaluates the commercial "Space Magnet" loop antenna and compares its performance with the FET Altazimuth loop.
- A16 THE SPACE MAGNET: HOW GOOD IS IT?, D. Kenney. Further discussion of the "Space Magnet" loop antenna.
- A17 THE WAVE ANTENNA: A NEW TYPE OF HIGHLY DIRECTIVE ANTENNA, Beverage, Rice and Kellog. This is the original 1923 article describing the Beverage Wave antenna. Available in two parts: part A consists of 9 pages of descriptive material; part B is highly technical, contains many formulae and requires a knowledge of advanced math.
- A18 THE FLORIDA BEVERAGE, J. Conrad. Jerry describes his own results with a Beverage antenna and compares it with others he's used.
- A19 THE CARE AND FEEDING OF THE WAVE ANTENNA, J. Starr. Practical construction hints for a Beverage antenna.
- A20 DOWN TO EARTH GROUNDS, G.P. Nelson. Hints on making a low resistance ground connection for terminating a Beverage antenna.
- A21 ALTERNATIVE METHODS OF AMPLIFICATION FOR AIR CORE LOOPS, R.J. Edmunds. Describes the use of commercially available RF amplifier kits as MW loop amplifiers. Order with # A23.
- A22 A CALIFORNIA BEVERAGE, Fr. J. Pejza. Another article describing the spectacular results obtained with a Beverage.
- A23 THE TWO-FOOT LOOP ANTENNA, R.J. Edmunds. Similar to the loop described in reprint # A11, but only half the size. Ideal for those who lack the space for a full size loop.
- A24 THE SUPER SIGNAL SNATCHER, D. Fischer. This article describes the theory of the Beverage antenna. Includes equations, tables and many diagrams.
- A25 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA, G.P. Nelson. Helpful information for those doing horizon blockage experiments with a loop antenna.
- A26 USING TWO LOOP ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERNS, M. Levintow. Shows and describes a simple way to skew your loop antenna's pattern to effect a null that will permit reception of a station impossible to receive on a figure-8 loop antenna by itself. Reading of reprints #A13 and #A14 are a requirement for the understanding of this technique.
- A27 MODIFICATIONS TO THE SPACE MAGNET ANTENNA, T. R. Sundstrom. How to adapt the Space Magnet antenna for operation off the AC power line.

RECEIVING EQUIPMENT AND TECHNIQUES

- R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED, R.J. Edmunds and G.P. Nelson. Many MW DX'ers hear stations on frequencies where they don't "belong". These articles describe the causes and cures of spurious MW responses. Especially valuable if you've got powerful local stations nearby.
- R2 SINGLE SIDEBAND RECEPTION ON THE BROADCAST BAND WITH MECHANICAL FILTERS, G.P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with BCB interference - especially in the presence of powerful local stations. This article explains in great detail how to fit mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. This technique is widely used by many top MW DX'ers.
- R3 SUBAUDIBLE HETERODYNES ON THE MW BCB, G.P. Nelson. Details on a technique which permits the MW DX'er to detect and characterize signals too weak to be audible at the time; also allows the DX'er to count the number of stations on a channel, even if no programming is audible and permits direction finding on channels with several stations present.
- R5 THE TRACKING PROBLEM AND HOW TO CURE IT, G.P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation; this article describes one of the most common design faults and how to cure it. Very useful if you have strong locals.
- R6 ELECTRONIC VERNIER TUNING, R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandsread tuning.
- R7 MECHANICAL FILTERS FOR THE HQ-180(A), J. Starr. Complete details on the conversion of the popular Hammarlund model HQ-180(A) receiver to mechanical filter operation. Order with reprint #R2.
- R8 LIVING WITH A BUDGET RECEIVER, R.J. Edmunds and G.P. Nelson. A lengthy discussion on how to improve inexpensive receivers for top MW performance; incorporates construction details on antenna tuners to match longwire antennas to Medium Wave receivers; discusses the uses of audio filtering, how to select a MW receiver and how to reduce spurious responses in the presence of powerful local stations.
- R11 RANDOM THOUGHTS ABOUT RECEIVERS, R. Foxworth. Hints on using a crystal calibrator and coaxial antenna inputs.
- R12 AN INEXPENSIVE METHOD OF FREQUENCY MEASUREMENT, P. Taylor and R.J. Edmunds. How to measure the audio frequency heterodyne from which a station's frequency can be determined.
- R13 RECEIVER HOT-RODDING HINTS, R. Moore. Hints and circuits for getting more out of your receiver.
- R14 UP THE CARRIER, W. Bailey. Dig the weak DX out of the mud with exalted carrier reception.

- R15 **PRECISION FREQUENCY MEASUREMENT**, R. Schatz. How to use the frequency counter; an instrument now within the DX'ers budget.
- R16 **SELECTIVITY DEVICES**, R. Schatz. Basics of tuned circuits, crystal filters, mechanical filters and Q-Multipliers.
- R17 **THE FMS-3 FREQUENCY MARKER STANDARD**, R. Foxworth. A review of this device's operation, how to make proper connection to the DX receiver and modifications incorporated by the author to permit full use of the unit's capabilities.
- R18 **SINGLE SIDEBAND RECEIVING ADAPTERS**, T.R. Sundstrom. How to sharpen your receiver's IF bandpass by employing a B&W # 370 receiving adapter.

DOMESTIC DX

- D1 **WHAT IS A FREQUENCY CHECK?**, P. Taylor. Explanation to a frequently asked question by beginning domestic DX'ers.
- D2 **IT TAKES TWO TO VERIFY**, J. Murley. Unhappy with your domestic QSL return percentages? Read this article on the station's attitude towards reception reports and improve your returns; written by a highly experienced broadcasting professional.
- D3 **CANADA'S WILDERNESS RADIO: THE LPRT**, P. Taylor. In depth study of those 20 and 40 watt Canadian stations that you hear, but don't understand. A must for the domestic DX'er.
- D4 **WHAT IS A PRESUNRISE AUTHORIZATION?**, R.J. Edmunds. Some US stations are authorized to operate with powers such as 14.3 watts during certain hours; this article explains why.
- D5 **UNDERSTANDING STATION PROCEDURES**, J. Starr. Some DX'ers miss out on getting verifications from stations because the program details they list are not part of the station log.
- D6 **CLEARs AND CLASSIFICATIONS**, M. Collins. Explains how the FCC allocates channel assignments and station power in accordance with the NARBA treaty.
- D8 **NIGHTTIME LISTENING**, M. Collins. A variety of programming can be heard on the high-powered clear's which cover most of the nation at night.
- D9 **NETWORKS**, M. Collins. Explains how the 4 major networks operate.
- D10 **THE NSP SITUATION**, J. Starr. A look at this problem from the broadcaster's side of the fence.
- D11 **DX FROM THE TWILIGHT ZONE**, P. Sullivan. For various reasons some stations are audible only at sunrise or sunset. This article tells the reasons.
- D12 **HOW TO SEND A RECEPTION REPORT**, NRC HQ. Important points for the novice ~~HW~~ DX'er regarding reception reports.

FOREIGN DX

- F1 **REPORTS TO LATIN AMERICA**, C. Objio. Helpful hints on how to verify Latin stations; written by a world-famous LA DX'er.
- F2 **LATIN AMERICAN NAMES**, C. Objio. It's hard enough to QSL many LA stations without insulting the station personnel by misusing Spanish names; learn how to use Spanish names correctly!
- F3 **PORTUGUESE FOR DX'ERS**, R. Schatz. Describes the important and unusual features of this language; a must if you DX Brazil.
- F4 **STATION NAMES VS. CALL LETTERS**, C. Objio. The distinction between call slogans and call letters is important in Latin America; this will help you DX the Spanish speaking stations.
- F5 **HUNTING THE LATINS BY MUSIC**, R. Schatz. Describes the various types of Latin American music indigenous to various countries and tells how to ID LA's using this information.
- F6 **FREQUENCY AND CALL SIGN ALLOCATIONS IN SOUTH AMERICA**, R. Schatz. Confused by Latin American calls? This article explains all.
- F8 **BOTTOM DX**, C. Freeman. Quite a number of stations operate below 540 kHz. This article lists these stations and tells how to modify your receiver to hear them.
- F9 **ABOUT THOSE COMMON WAVES**, R.J. Edmunds. European Common Wave channels feature dozens of stations in different areas carrying the same programming. This article explains how and why, and the significance for the DX'er.
- F10 **TRANSPACIFIC RECEPTION DOES EXIST**, J. Murley and G.P. Nelson. A highly experienced West Coast DX'er gives a full rundown on how to hear, identify and QSL Transpacific stations; much practical information.
- F11 **DX'ING POLYNESIA AND BEYOND**, J. Murley. Very detailed account of the stations in the Pacific that can be heard in North America.
- F12 **WHY IS A COUNTRY?**, P. Taylor, R.J. Edmunds and D. Jensen. Comments on the practice of classifying small islands and land areas as "countries".
- F13 **THE ODDS ON EVEN TA'S**, R. Schatz. TA's can be heard on some of our 10 kHz channels; find out which ones & when to listen.
- F14 **DX'ING RARE AFRICANS... SYSTEMATICALLY**, P. Taylor and R.J. Edmunds. A country by country rundown of where and when to listen for the hard-to-hear stations in Africa.
- F15 **CZECH YOUR COUNTRIES**, S. Bohac. Czechoslovakia is used as an example and introduction in this article on the relationship between a DX countries list and actual political boundaries.
- F16 **BROADCASTING IN CUBA**, R.F. Schatz. Are you confused by the broadcasting situation in Cuba? This article will help.

PROPAGATION

- P1 MEDIUM WAVE SIGNAL PATHS, PARTS I, II, III, IV, G.P. Nelson. Discusses great circle paths, seasonal adsorption patterns, auroral effects and the Midwinter Anomaly.
- P2 SOLAR CONTROL OF DAWN E BLANKETING ON THE MW BCB, G.P. Nelson. Explains how the position of the sun controls the fadeout time of TransAtlantic and TransPacific stations.
- P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM, G.P. Nelson. Considerations of solar control of fade-in times for MW stations.
- P4 SUMMER RECEPTION ON THE BROADCAST BAND, G.P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible. A must for the international MW DX'er.
- P5 GEOMAGNETIC MEASUREMENTS DURING THE PAST 4½ YEARS, K.G. Scrimgeour. This article provides more evidence for the effect of geomagnetic/auroral phenomena on MW reception.
- P6 AURORAL EFFECTS AND THE 1969 TRANSATLANTIC LISTENING TEST, G.P. Nelson. Brief, but simple description of how the geomagnetic and auroral phenomena control TA reception from various stations. Best general introduction to MW auroral effects.
- P7 THE AURORA OF NOVEMBER 6-9, 1970, G.P. Nelson. Traces a classic MW auroral attack from its origins on the sun to its effects on MW reception; a must for understanding the auroral effects on the Medium Wave band.
- P8 ECLIPSE, 3/7/70, T. Holmes and G.P. Nelson. Explains the effect of a solar eclipse on the ionosphere and MW propagation.
- P9 SKYWAVE OR GROUNDWAVE RECEPTION?, G.P. Nelson. How to tell whether the signal from a station you are listening to is arriving via a skywave or groundwave path, or both.
- P10 A BEGINNER'S GUIDE TO THE IONOSPHERE, Fr. J. Pejza. Radio wave propagation is influenced greatly by the conditions in the ionosphere. This article explains the processes which change the ionosphere and the effect of these changes on radio waves.
- P11 THE LIMITS OF MIDDAY MW DX, G.P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours.
- P12 LIMITATIONS IN THE USE OF THE A-INDEX, G.P. Nelson. While the A-index is a valuable tool for MW DX'ers, it is easily misinterpreted. This article shows why.
- P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY, G.P. Nelson. Describes the author's research into the effects of the Aurora on MW propagation.

- P14 SKYLINE BLOCKAGE, Fr. J. Pejza. Mathematical derivation of the formulae needed to calculate the effect which the terrain has on signals.
- P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY, G.P. Nelson. Takes into account the possibility of signals propagating by some less common modes which are subject to blocking by the horizon.
- P16 HORIZON BLOCKAGE: CAN FRESNEL DIFFRACTION BE IGNORED?, G.P. Nelson. No, it can't. This article shows how signals which should be blocked by the horizon can sometimes be heard.
- P17 TRANS-POLAR DX RECEPTION, R.J. Edmunds. Are you looking for Asian DX more exotic than Urumchi-1525 kHz? This technical article relates to the trans-polar reception of Central and Eastern Asiatic stations at sunset in North America.
- P18 THE ETIOLOGY OF THE GREAT CIRCLE PATH, G.P. Nelson. An authoritative technical article that dispels the misconceptions among DX'ers regarding the relationship between "long" great circle and actual MW signal paths.

TIPS FOR BEGINNERS

- N1 HOW TO LOG YOUR FIRST 500 STATIONS, P. Taylor and R.J. Edmunds. Beginner's introduction to domestic DX'ing.
- N2 LOG THE 50 STATES, P. Taylor and R.J. Edmunds. Station tips for the novice MW DX'er on logging all 50 states.
- N3 LOGGING THE FIRST 20 COUNTRIES FROM THE WESTERN HEMISPHERE, P. Taylor and R.J. Edmunds. More station tips for the novice.
- N4 TA'S FOR BEGINNERS, P. Taylor and R.J. Edmunds. Introductory article to DX'ing TransAtlantic MW stations, plus specific recommendations for the novice MW DX'er.
- N5 THE FIRST 25 COUNTRIES IN ENGLISH, J. Conrad. Are you as a novice MW DX'er having trouble with foreign languages? Some 25 countries in North and South America broadcast in English on the MW band; this article tells how to log 25 countries without being a language expert.
- N6 YOUR FIRST 10 MEXICAN STATIONS, J. Murley. Bewildered by all those Mexican stations you hear? This article tells how to log and identify the major stations.
- N7 THE COMPLEAT DX'ER, P. Taylor. Are you a newcomer to the MW DX hobby who is somewhat overwhelmed by the quantity of stations on the air and the book-keeping required to permit instant retrieval of important information? This article explains in detail how to become "systematized" in order to more efficiently pursue the quest for DX stations.

STATION LISTS

- L2 FREQUENCY CHECK LIST, J. Fela. Many US stations run equipment tests at regularly scheduled times and dates; this is a listing of frequency checks that will permit many new domestic loggings. Latest edition available.
- L6 CUBAN STATION LIST, R. Schatz. Invaluable aid for identifying these widely heard stations. Latest edition.
- L7 DOMINICAN REPUBLIC STATION LIST, C. Objio. A listing, including addresses and schedules of the stations in the Dominican Republic. Latest edition available.
- L9 COLUMBIAN STATION LIST, C. Objio. Similar to reprint # L7 above. Latest edition available.
- L14 BEACON STATIONS, Compiled by Finlands DX Club and the NRC. Listing of CW aircraft beacons operating on or near the Medium Wave BCB.
- L15 BRAZILIAN INFORMATION, R. Veltmeijer. This article fills in some of the "gaps" appearing in the World Radio Handbook which concern information on certain Brazilian stations.
- L16 LATIN AMERICAN UPDATER, G. Hauser. Latest updaters for Latin American stations listed in the World Radio Handbook.
- L17 NORWEGIAN STATION INFORMATION, S. Martinsen. Up-to-date listing of Longwave and Medium Wave stations in Norway, plus information on the Norwegian Broadcasting Authority.

RECEIVER REVIEWS

- RR1 DRAKE SPR-4, E. Behr and R. Fischer
- RR2 SONY TR-1300 AND TFM-1600, R. Schatz
- RR3 LAFAYETTE HA-600A, R. Schatz
- RR4 HEATH GR-78, R. Schatz
- RR5 BARLOW-WADLEY XCR-30, M. Hardester
- RR6 HAMMARLUND HR-10, R.J. Edmunds

MISCELLANEOUS ARTICLES

- M1 TELEVISION INTERFERENCE ON THE MW BCB, G.P. Nelson. TV receivers generate QRM which appears on specific frequencies in the MW band. This article lists the TVI frequencies and suggests a cure for the problem.

- M2 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH?, G.P. Nelson. Many MW DX'ers complain about certain local stations "overmodulating" and producing undue amounts of QRM. This article describes the federal regulations which govern permissible sideband radiation on the MW band; also describes certain types of station-originated spurious radiations.
- M3 MODULATION ARCING, J. Starr. Explains a frequent, but rarely discussed cause of BCB interference originating at the station that can wreck havoc on the MW band.
- M4 SUNRISE-SUNSET TABLES, G.P. Nelson. These charts permit the DX'er to determine accurate time of sunrise or sunset at any point in the world on any particular day. Very useful for international MW DX'ers.
- M5 QUASIMONTHLY PATTERNS IN ATYPICAL MW DX RECEPTION, G.P. Nelson. A large body of data on TA reception gathered by R. Wood in England. Information is analyzed in an attempt to prove or disprove the "Lunar Phase" theory.
- M6 SAFETY AND PREVENTIVE MAINTENANCE FOR DX'ERS, J. Starr. Will your DX setup surprise you with a lethal shock or someday start a fire? This article may prevent a shocking surprise.
- M7 UNRESTRICTED RADIATION, G.P. Nelson. Discussion of carrier current and other restricted radiation stations; how to hear 'em.
- M8 RF POLLUTION, G. HAUSER. General discussion of the radio interference problem and steps necessary to control it.
- M9 PATTERNS, PARTS I, IIa AND IIb, P. Hart. An understanding of the directional antenna patterns used by North American MW stations is vital for the active domestic DX'er. This series of articles explains in authoritative detail what patterns mean and how the DX'er can fatten his log by understanding them.
- M10 TAPE RECORDING FOR DX'ERS, J. Starr. A professional broadcaster and DX'er gives tips on the use and abuse of tape recordings as a means of reporting to domestic stations.
- M11 GREAT CIRCLE COMPUTER PROGRAM, P. Sullivan. A simple FORTRAN program for calculating the bearing from your location to any radio station.
- M13 YE OLDE LOG BOOKE, D. Phillips. How to keep a compact and efficient log book.
- M14 GREAT CIRCLE BEARING ALGORITHM, D. Fischer. Procedure for calculating bearings from one point to another, when given the latitude and longitude of each. A FORTRAN program included.
- M15 INFORMATION PLEASE, Fr. J. Pejza. Describes a simple filing system for quick retrieval of pertinent DX information such as station, frequency, etc.

- M16 HOW DIRECTIONAL PATTERNS ARE PRODUCED, W. Boyd. Shows how the stations can create the unusual patterns you see in the NRC Pattern Book.
- M17 SITING OF DIRECTIONAL MW STATIONS, W. Boyd. Describes how the combination of directional antenna and optimum site selection can give a station the coverage it wants without unnecessary interference to other stations.
- M18 PRINCIPLES OF VERTICAL PATTERNS, W. Boyd. Introductory discussion of vertical radiation patterns and their significance to BCB DX'ers.
- M19 VERTICAL PATTERNS OF MW TRANSMITTING ANTENNAS, C. Lucas. A more mathematical treatment of vertical patterns. Includes graphs.
- M20 DX TREASURES: RISKS AND PROTECTION, A. Rugg. Is your DX equipment or QSL collection safe from fire, theft or other disasters? Explains how to "insure" your DX valuables.
- M21 SIMPLIFIED GREAT CIRCLE COMPUTATION, D. Fischer. Similar to reprint # M14.

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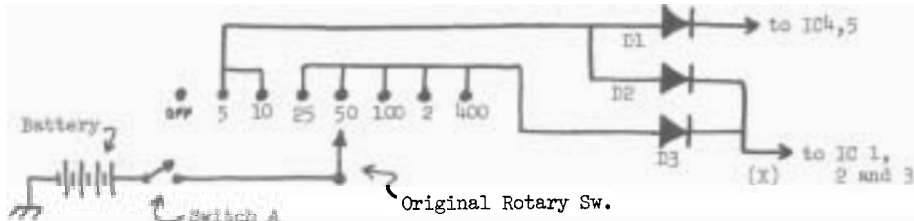
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Feedback on the FMS-3 Review

A letter has just been received from Phil Sullivan concerning the FMS-3 article appearing recently in DX News. I'll let Phil carry the story:

"Regarding your suggestion to disable IC-4 and IC-5 via Switch B, it may be simpler to do it with the following circuit instead:



D-1 is the existing diode on the PC board. D-2 and 3 are similar types, not critical. In this circuit, power to IC-4 and IC-5 is supplied thru D-1 only in the 5 and 10 khz positions; power to IC's 1, 2 and 3 is supplied either thru D-2 (5 and 10) or D-3 (25 thru 400). This probably gives simpler operation, as it is one less switch to bother with, and for less cost (except for people who get free switches at the IEEE show!) and now, maybe that space on the front panel not now needed for Switch B could be used for the output attenuator."

Thanks to Phil for this worthwhile suggestion. We had tried to keep the technology of the modification as simple as possible, so that as many readers as possible would be able to perform the modifications, if they wished.

Another point to keep in mind is the rotary switch. I had mentioned that the switch in my particular unit gave me occasional trouble in the half that controlled the DC. A hefty squirt of Kontakt-Kleen didn't do much for it, either. However, I've experienced no trouble with the half of the switch that handles the signal, so perhaps this is not a big problem. The switch is not a double-sided pass-through type wiping contact arrangement, but is the less expensive type with raised bulges making a single contact point. I'm sure this is just outrageous terminology but that's all I can think of to describe it. Anyway, replacing the switch with a classier Centralab type might be decided on by the user, if this trouble persists.

Another point - keep the batteries fresh. Once voltage starts to drop, you'll get breakup, squealing and improper dividing ratios (with unexpected pips appearing here and there). I used 4 common Eveready zinc-carbon types and they lasted about 2 months, with daily use of the FMS-3.

Now, for last - the errors! Of course, a CENTImeter is 1/100 of a meter (39 inches, plus) or, about 0.4 inch. Anyone who does not know the difference between cm. and mm. should not try to learn from reading my article, hi. If I am any example of what to expect, when the U.S. goes metric, we are all going to be in big trouble... if you did not catch what I did, ignore this paragraph.

--Bob Foxworth

- | | | | |
|--------------|---|--------------|---|
| 1270 CHWK-BC | // CFVR-1240 & CKGO 1340 | CKCR-BC | // CKXR-580 & Golden CP-1400 |
| CFGT-PQ | City name: Alma. Delete St. Joseph d' CP: U2 10000 5000 | CFLW-NF | ADDR: 4 Grenfel Dr. CHAR-NWT P.C.: XOB OAO |
| 1280 *CP-VA | Appomattox. D1 1000 | CFYK-NWT | P.C.: XOE LHO |
| CBQG-NWT | // CFYK-1340 | CBKN-BC | LOC: Shalath-Seton // CBU-690 |
| CJSL-SA | // CFSL-1190. ADDR: Box 356. PC: S4A 2A4 | CBHG-NS | // CBAF-1300 |
| 1290 WHKY-NC | SCH: 0500-0000 | CKNR-ON | CP: U1 1000 250 |
| WNBF-NY | Possible 24 hrs | CFLH-ON | CP is on. U1 1000 250. // CFCL-620 & CFLK-1240 |
| CJBK-ON | P.C.: N6A 5A2 | CIVH-BC | Call for Vanderhoof CP which is on. Delete "*" // CJCI-620. |
| 1300 WRKT-FL | SCH: 0500-0000 | CFED-PQ | // CJMD-1240 |
| KPTL-NV | SCH: 24 hrs SP:MM | *CP-PQ | Maniwaki. // CKML-610 & 710, 1490 CFS & 1400 twins |
| KXIO-OK | ex KCNW. SCH: 24 hrs NSP | CBGN-PQ | // CBGA-1250 |
| 1310 CHGB-PQ | // CHAL-1350 | CKVT-PQ | // CKVM-710 |
| 1320 WARA-MA | SCH: 0530-2200 | CJAN-PQ | // CPDA-1380 ACKTL-1420 |
| WZET-VA | CP: d3 5000 Drop CR hours | 1350 WZIX-PA | ex WORK. NET: M |
| CHQM-BC | ADDR: 1134 Burrard St. | CJDC-BC | P.C.: V1G 2B6 |
| CBAI-NB | // CBAF-1300 | CBRU-BC | // CBU-690 |
| CFTJ-ON | CP is on, ex 1110, delete listing on 1110. | CBAB-NB | // CBZ-970 |
| 1330 KWWL-IA | SCH: 24 hrs | CBKY-BC | LOC: Keremeos. // CBU-690 |
| WCRB-MA | SCH: 24 hrs | CKAD-NS | Possibly // CKDY-1420, CPAB-1450, & CKEN-1490 |
| CKKR-SA | P.C.: S0L 2VO | CKLB-ON | SCH: 24 hrs SP:MM 0003- |
| 1340 KWXY-CA | CP is on, delete 1st listing, delete "*" on 2nd. | *CP-NF | Gander. // CJON-930 |
| KVRH-CO | ANT: U1 | 1360 KOHU-OR | SCH: 0830-0100 |
| WROD-FL | SCH: 0530-0030 | WCHQ-PR | CP: U4 1000 500 |
| WEKY-KY | ex WRKY | 1370 WCOA-FL | NET: C |
| WUSJ-NY | SCH: -0007. NET: Ai | WKIK-MD | CP: U2 1000 500 |
| WHAT-PA | SCH: 24 hrs NSP | CBNE-NF | // CBY-990 |
| WTRN-PA | SCH: 24 hrs SP:2330 | CHPQ-BC | LOC: Parksville-Qualicum. CP is on. Delete "*" // CHUB-1570 (NSP) |
| WHAR-WV | SCH: 0530(0600 Sat, 0700 Sun)-0100 | CBAU-NS | // CBH-860 |
| KAGT-WY | Call really is KSGT! | 1380 KTOM-CA | SCH: 24 hrs SP: MM 0300-0800 |
| CKBR-AB | // CJDV-910 except 1800-0200. SCH: 24 hrs NSP | WAMS-DE | SCH: -0000, delete AN |
| CBXD-AB | // CBX-740 | WDAT-FL | CP is on, delete 1st listing, delete "*" 2nd listing. SCH: 24 hrs NSP |
| CBRY-BC | // CBU-690 as are CBUY, & CBIO | KWK-MO | Silent |
| CBDG-BC | // CFWH-570 | KTSM-TX | SCH: 0600-0230 |
| CKGF-BC | ADDR: Box 1570. // CKOK-800, CKSP-1450, CKOO-1240 | | |
| CBUR-BC | //CFPR-860 | | |

1380 *CP-NB Moncton. Delete list- ing.
 CBHE-NS // CBAF-1300
 CFDA-PQ // CJAN-1340 & CKTL-1420

1390/WAPR-FL CP. D1 5000
 WROA-MS CP is on. Delete 1st listing. Delete "/*" 2nd listing.
 WTNK-MS Assumes facilities of WQIC.
 CKKC-BC ADDR: Box 250
 CHOO-ON P.C.: L1S 2E6

1400 WHUB-TN SCH: -0105 daily
 CBXN-BC // CBU-690
 CINL-BC ex CJNL-1. // CJNL-1230 & CHNL-610
 CFLD-BC // CFBV-1230
 *CP-BC Golden. U1 1000 250 // CKXR-580, CKCR-1340. NET: EE
 *CP-NF Baie-Verte. U1 40 40
 *CP-ON Renfrew. U1 250 250
 *CP-PQ Drummondville. U1 250 100. NET: F 2nd CP.
 CJFP-PQ PWR: U1 10000 250
 *CP-PQ Saint-Jovite. U1 250 250. // CKML-610,710,1340,1490.
 CJFP-PQ // cjaf-1240 & CHRT-1450
 CKRN-PQ // CHAD-1340 & CKVD-900
 CKSW-SA ADDR: Box 370. // CJSH-1490
 CBWG-MB // CBW-990

1410 KERN-CA NET: Ai
 KLSC-OR ex KPAM
 *KJCH-TX Cleveland CP call.
 CKSL-ON PWR: D3 500
 ADDR: Box 5172. PC: N6A 4E4

1420 WOC-IA SCH: 24 hrs SP:MM 0130-
 WHK-OH SCH: 24 hrs SP:MM 0130-0300
 CKDY-NS Possibly // CKAD-1350, cfab-1450, CKEN-1490
 CJMT-PQ PWR: U3 10000 2500
 CKTL-PQ SCH: 24 hrs NSP. Also // CFAN-1340
 CJVR-SA P.C.: SOE 1A0

1430 KARM-CA NET: C
 WNJR-NJ SCH: 24 hrs SP:MM 0000-0600

1440 WROK-IL SCH: 24 hrs NSP
 WAJR-WV SCH: 24 hrs
 CFDP-BC // CFWB-1490
 CFGO-ON P.C.: K1P 5A2.SCH: 0530-0000

1450 WEEO-AL ex WYAM
 KOPO-AZ PWR: U1 1000 250
 KVML-CA SCH: 0845-0200
 KOBO-CA CP is on. U1 500 250
 WHLS-MI SCH: 24 hrs
 WOKK-MS Delete listing, on 910. However: WQIC 1390 assumes facilities of WOKK. You were right Starr I bet I screwed these changes up.
 WMBH-MO SCH: 0600-0100
 WDAD-PA SCH: 0500-0100
 KUPY-WA ex KAYE. SCH: 0900-0200
 KXXL-MT SCH: 24 hrs
 CBXC-AB // CBU-690 as are: CBKA, CBKI, CBKS, CBXH // CFYK-1340 // CJYR-970
 CBKE-AB
 CKYR-AB
 CBKF-AB LOC: Waterways and Ft. McMurray. Delete 2nd listing.
 CHCL-AB ADDR: Box 1220, Medley. TOA 2M0
 CKSP-BC // CKOK-800, CKOO-1240, CKGF-1340
 CBMA-PQ // CBM-940
 CHRT-PQ // CJFP-1400 & CJAF-1240
 CFAB-NS Possibly // CKAD-1350, CKDY-1420, & CKEN-1490

1460 KSO-IA SCH: 24 hrs SP:MM 0103-
 CJJOY-ON SCH: 24 hrs SP:MM 0108-0500

1470 WPAR-PA SCH: 24 hrs
 CFRM-ME P.C.: R3B 1B1
 *KWIV-WY CP. U1 1000 500. PO: 1050
 *KVIN-OK Mark listing as a CP.

1480 KRED-CA CP. U1 5000 1000
 SCH: 0859-
 KWIZ-CA SCH: 24 hrs NSP

1480 WAPG-FL Silent
 KLEE-IA ADDR; Taylor Bldg.

1490 WBLD-AL SCH: 0600(0700)-0000
 LOC: Lanett, Al.- West Point, Ga.
 WHBB-AL ADDR: Box 1055.
 AFRS-AK LOC: Indian Mountain
 KCUZ-AZ CP is on. Delete 1st listing and "*" on 2nd. SCH: 0753(0757)-0010(2010)
 KYCA-AZ SCH: 0700-0115
 KXAR-AR ADDR: Box K.SCH: 0630 (0730)-0000(2300)
 KOTN-AR SCH: 24 hrs NSP
 KRKC-CA SCH: 0930(1100)-2200(2100)
 KTOB-CA SCH: 0830(0900 Sat, 1000 Sun)-0200
 KSYC-CA SCH: 0930(1100)-0100 (2300)
 WMRE-BA Delete Net. SCH: 0530-0000
 KCID-ID SCH: 0745-0100
 WKRO-IL SCH: 0700(0800)-2300(1900)
 WZOE-IL ADDR: Route 5. SCH: 0700-2300
 WNDU-IN ADDR: Box 1616
 WDBQ-IA SCH: 24 hrs sp;mm 0105-0630
 KBAB-IA NET: A
 KRIB-IA SCH: 0600(0630 Sat, 0700 Sun)-0200(0100)
 ADDR: Box 506. SCH: 0500(0700)-0100
 KJIN-IA Delete Net. SCH: 0500 (0800)-0100(0000)
 WPOR-ME Delete Net. ZIP: 04101
 SCH: 24 hrs NSP
 SCH: 0600-2230
 WGRG-MA Delete Net. SCH: 24 hrs SP: MM 0000-0500
 WMPI-MI NET: A. SCH: 0545-2200
 WLRC-MI ADDR: 1312 Broadway
 KXRA-MN ADDR: 121 W. Maumee Street
 WABJ-MI SCH: 0630(0655)-0100
 ADDR: Box 65. NET: Ai
 WLOX-MS SCH: 24 hrs SP: MM 0100-0500
 WYIM-MS ADDR: Box 76. SCH: 0630(0710)-0100
 KTRR-MO SCH: 0625(0725)-0107
 KDRO-MO SCH: 0600(0800)-0100 (0000)
 KDBM-MT SCH: 0800(0900)-0000 (2100). NET: Ai

1490 WLDB-NJ SCH: 0700-2306
 KRSN-NN NET: Ai. SCH: 0800 (0900)-0110
 WRMT-NC SCH: -0200 daily
 WHSL-NC SCH: 24 hrs NSP
 WJMO-OH SCH: 24 hrs SP: MM 0000-0500
 WOH1-OH SCH: 0600(0745)-0000
 WMOA-OH SCH: 24 hrs
 WMRN-OH Delete Net
 KBIX-OK NET: Ai
 KBZY-OR Delete Net
 WJNL-PA SCH: 24 hrs SP: MM 0005-0500
 WGA1-PA SCH: 0500(0700)-0110(0100)
 WNB1-PA ADDR: Box 98
 WSDC-SC ADDR: Box 1166. SCH 24 hrs NSP
 WSIB-SC NET: M. SCH: 0520 (0700)-0010(2300)
 WOP1-TN SCH: 0500(0600)-0100(0000)
 KIBL-TX SCH: 0630(0800)-0000
 KVOG-UT SCH: 0740(0900)-0200 (0230 Sat). NET: M
 WKVT-VT SCH: 0530(0555 Sat, 0728 Sun)-0015(0000)
 WQVA-VA SCH: 0530(0728)-2200. NET: Ae
 KBRO-WA SCH: 0900-0308. Delete Net
 KENE-WA SCH: 0900(1020)-0100(0300 Fri, Sat 0000 Sun)
 WYCS-WV SCH: 0645(0735)-2330(2200)
 WGSZ-WI SCH: 24 hrs SP:MM 0000-0630
 WIGM-WI SCH: 0630(0800)-2300 (2000)
 WOSH-WI SCH: 24 hrs SP:MM 0200-0600
 KOJO-WY SCH: 0730(0830)-0230 (0430 Fri & Sat, 0330 Sun)
 KHTR-WY SCH: 0800(1000)-0000(2255)
 KGGG-WY NET: Ai. ADDR: Box 670
 CJPR-AB LOC: Blairmore (ex Coleman). ADDR: Box 780. // CJOC-1220 // CHFA-680 // CFCP-1440. ADDR: 922 Debeau Street // CFVR-1240, CHWK-1270. PC: VOX 110 // CBZ-970

1490 CFMR-NWT PWR: U1 50 50. PC: 1560 WSHY-IL PWR: D1 500
XOE ONO *KKA-A-SD Call for Aberdeen
CDBJ-NWT // CFYK-1340 *KKA-A-SD CP. ZIP: 57401.
CKEN-NS Possibly // CKAD-
1350, CKDY-1420, & 1550 CBAG-NS // CBAF-1300
CFAB-1450
CBLA-ON // CBQ-800 1570 CHUB-BC ADDR: Box 1570. //
CJSN-sa ADDR: Box 1176. PC: CHPQ-1370
SON 2MO. // CKSW- CHLO-ON PC: NSP 3*8
1400
CFNC-MB LOC: Cross Lake In- 1580 *CP-FL Mt. Dora. D1 500C
dian Reserve. PWR: KDAY-CA SCH: 24 hrs SP:MM
U1 25 25. 75% Cree 0315(approx)-0845
Indian programming. WCLS-GA SCH: off AN. s/on
Grand Falls. PWR:U1 0445
1000 250. // CJEM- WCCR-IL ADDR: 2410 Sky Line
570. NET: Bi Dr., Champaign
*CP-NB L' Anociacion. // KKAL-TX Silent+??
CKML-610, 710, 1340 CP's, 1400 twins. KRZI-TX SCH: 24 hrs NSP
CP-PQ Sainte-Anne-des- 1590 WQQW-C SCH: 0445-0106
Monts. PWR: U1 1000 AN Sat & Sun AM
250. NET: F WELE-FL ADDR: Box 4066
WSMN-NH SCH: 0430(0555)-
2355(2210)
1500 *WKAX-AL ex WQRI. Russell- 1600 WAPX-AL SCH: off AN. -0100
ville CP. ADDR: La CP is on, delete
Grange Rd. WAAM-ML 1st listing and "/"
*CP-GA Buford. D1 5000 on 2nd.
KSTP-MN SCH: 24 hrs SP: MM CP. U2 5000 5000
0330-0600 Delete listing, on
*CP-OH Youngstown. Delete 580.
listing, still in WYAL-TX ADDR: 1310 Ave. K,
hearing. KYAL-TX Plano. ZIP: 75074.
1510 WLAC-TN SCH: 24 hrs SP:MM
0230-0530
CBEL-ON // CBQ-800
1520 WGNB-FL ex WGNP
WTUU-OH ex WTTO
KYXI-OR SCH: 24 hrs SP:Sun
0500-0800
*CP-VA Jamesville. Granted
WEXM
1530*WKDC-IL Elmhurst CP. ex WHJJ
WRBX-NC CP is on, delete "*" Ron Musco
KJEM-OK Wagoner. ex KWLG. CP 16 Chestnut Drive
is on, delete "*" Windsor, Conn. 06095
WBCW-PA CP is on, delete "*" RjM
ADDR: 111 South Fourth
Street
KNIE-WY ex KCHY. Delete "*" Station is on with new
call. SCH: -0215
1550 WAAY-AL SCH: 24 hrs NSP
WEXT-CT ADDR: 630 Oakwood Ave
*KLFJ-MO Note call for Spring-
field CP. PWR:D1 500

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international dx digest

Phone 703 - 354 - 2135 before 2200 EDT - All Times GMT - Deadlines Are Saturday

We'll start this time with some Long Wave information from Jim Hagen in Palm Bay, Florida. Jim's receiver is a Galaxy R-530 with a homebrew IF tuner. Antenna is 8' whip. Not all of these are this year's loggings, but I'm running them to give a good idea of what is possible on this band.

- 151-WEST GERMANY Mainflingen in GG fair to weak many nights after local sunset. Program consists of light music.
- 155-UNID Fair to weak after sunset many nights. Light music. This has to be Tromso, Norway or Brasov, Romania. Not familiar enough with either language to be able to tell. Usually best slightly later (½ hour) than GG on 151.
- 164-FRANCE Allouis. This is one of my best heard LW BC stations. It is a rare night when this one cannot be heard at all. At times it is entertainment like copy. Have several good tapes on this one. Never seems to be QRM. Best time is shortly after sunset, but has been heard as early as 1530 EST. Power change noted at 1900 EDT. Pop music and news.
- 173-USSR Moscow II heard several times last season. Never very strong, but in clear. Has not been heard this year due to RTTY stn on channel. Maybe one of our northern members can still pull this one thru. Best at sunset. (VOA is also on this channel in RR with a megawatt, so be careful with ID's.) ED.
- 180-WEST GERMANY Europe No. 1, Saarlouis. This is another of the really good ones. Real entertainment type copy on many nights on completely clear channel with strong signal. This one and Allouis 164 were easy copy on a transistor portable with built in ferrite rod antenna in Quebec and Newfoundland on summer vacation trips in 71 and 72. Occasionally heard here on simple receivers also. Best time is local sunset to sign off at 2000 EDT. Language is FF. V/L sent out last season but no reply. Pop music.
- 185-EAST GERMANY Deutschlandsender, Berlin. Fair many nights in past after sunset. Not heard this season due to QRM from NSS also on 185.
- 200-ENGLAND BBC Droitwich. Fair signal after sunset most evenings channel is clear, but beacon signals about 1 kHz up and 2 kHz down require high selectivity to separate. Otherwise fairly easy to log. Program is in EE consisting of pop mx.
- 209-MOROCCO Beni Mellal very strong almost every night but equally heavy QRM from ZFP beacon on Grand Bahama Island. Program consists of AA chanting type music. This would be another extremely good one if not for the QRM. A loop would probably help here.
- 218-MONACO Monte Carlo heard here o/u heavy QRM last season at sunset. Not heard yet this year. In FF.
- 227-POLAND Warsaw heard weakly here after sunset several times last season o/u beacon QRM. Not heard this season. In Polish.
- 232-LUXEMBOURG Junglinster heard here with fair signal at sunset last season. Program consists of pop mx. Must catch this one close to sunset as beacon QRM becomes very severe later. Not heard this season.
- 245-DENMARK Kalundborg. This is another one not heard this year although it was heard quite well about ½ hour after sunset several times a year ago. Noise level remains high due to extremely warm winter. Signal remains good only about 20 minutes.
- 251-UNID This station is a mystery. Language is FF so probably indicates a location is Algeria. Seems to be AA type music. Strong signal many nights around 1930 to s/off at 2000 EDT. QRM from ZQA beacon 251 Nassau. Easily heard on portable with ferrite rod antenna.

And now, the Medium Wave goodies....

- 522.8-COSTA RICA TICAL Radio Rumbos, Cartago noted carrying ER's on special national net evening on 2/3. Not AN 2/4. (Schatz)
- 540 -COLOMBIA HJKA Radio Horizonte, Bogota 2/4 0734-0800, occasional EE record and ID as "R. Horizonte", strong w/another SS under. (Schiller)

- 592.1-COSTA RICA TISBJ Radio Libertad, San Jose. SS CST tc, "Esta es Radio Libertad de Costa Rica, 550 kilociclos...telefonos 21-13-13, 21-13-14". At 0316 2/11. Frequency measured by beating with Kellogg's Sugar Pops high-C magic flute (presumed 2.048 kHz) pitch pipe, hl. Last reported by Krejny 11/1/72, indicating it may only rarely jump up from 550. Past IDXDs not checked ... too much bother compared to the convenience of IRCA FLs and separately bound DXWWS... (Hauser)
- 620-MEXICO XECK Durango, Dgo. "Radio Exitos" 2/12 0400-0430 w/romantic SS mx & local spots, quite good after 0400 s/off of XEBU. Only problem was KTAR 5 km. away, but fortunately they are all talk. (Gleason)
- 625-COSTA RICA TIXE Radio Omega, San Jose. "Omega" ID in passing 2/11 0311; het of some 700 Hz. SS also noted 2/4 0308, but couldn't tell if election returns (cf 775, 1125, 1225). (Hauser)
- 660-MEXICO The flash item in 2/2 DXM re curtailed hours for big city Mexican broadcasters was from a television guide published by Television Cultural de Mexico ... and subsequent checking indicates the limitation to 0600-2400 LT is not being applied across the board, if at all. For instance, on 2/11, R. Juventud was heard at 0757 w/s/off to 6 AM. (Hauser)
- 730-MEXICO XEX Mexico DF, "La X, Canal 73", 2/9 0605 s/off to 6 AM, after an hour of news 0500-; no mention of power; I have a feeling some of Mexico DF's giants are running QRP, judging from poor strength here (cf 900) (Hauser)
- 750-COLOMBIA HJDK Medellin w/"CARACOL...Una Voz en el Camino" program 2/11 ser) 0529; jingles, news headlines. This was about 500 Hz below a het, but I'm not sure which was the variant. (Hauser)
- 775-COSTA RICA TIW Radio City, San Jose noted back here after hugging 770 kHz for several years, w/ER's on special net 2/3, // 522.8, etc. Not AN 2/4. (Schatz) * * SS election returns bothered by het, 2/4 0312; presumed C.R.'s TIW, R. City. (Hauser)
- 830-VENEZUELA YVLT Los Teques, 2/9 temporarily atop 830 and WCCO 1010-1024, then HIJB took over, ID as "Radio Sensacion". (Schiller)
- 834-BELIZE Radio Belize w/fascinating obituary program by YL w/dirge mx under, 2/4 0314; 0318, a tc in CDT. (Hauser)
- 844-GILBERT & ELLICE IS Tarawa best signal yet 2/3 from 0806-0815 - hrd mx at 0813 but someone on 840 kHz came on w/TT that put carriers every kHz at 0815 - static vy heavy also. (Moore)
- 890-COLOMBIA HJCE La Voz de Bogota dominated w/WLS off 2/11 0627 w/ads, ID, mx, but a rumble of several other IAs under. (Hauser)
- 900-CYPRUS EFES Limassol w/radio play at 1830 tune. Fair level. (Calkin)
- 900-MEXICO XEW Mexico, DF, 2/10 0512 announcing the departure of its relays w/only XEW continuing; I overlooked this fact in the list; a quick tune to 540 revealed the XEWs already gone. 2/11 0306 awful weak w/several others; but it seemed that modulation rather than carrier was down. Can reducing modulation save any significant amount of power? Or just make a station look good? (Hauser)
- 920-COLOMBIA HJAE Cartagena, tremendous signals obliterating 920, 2/8 from 1040-1055, not a sign of semi-local WREL, ID as "Emisoras Fuentes", "Radio Centro" and "Radio Colombia" in addition to "Todelar" mentions. (Schiller)
- 944-MEXICO XEQD Chihuahua, Chih. 2/9 0215-0300 w/SS and EE rock, ID as "La Divertida". Uses same style of jingle as XEBH also 920, which has same format also. (Gleason)
- 944-FRANCE Regarding Nelson's ORTF in SS, 2/4 IDX. While in Puerto Rico, I often heard, on 1241 I believe, programs at around 2100 in SS for the SS areas around the border, where many SS refugees settled in the 30's. It surprised me too! Was definitely local service, aimed at people living in France, not on the other side of the border. (Gleason) According to WRTH 74, 944 is sked in SS 2200-2300 w/Foreign Service. 1277 and 1376 are also used for Foreign Service. (ED)
- 990-MEXICO XECL Mexicali, as tuned across 2/11 0514, heard "... 990 kiloHertz, XECL, Radio Mundo". (Hauser)
- MEXICO (Heard on 2nd harmonic of 1980) XEER Cd. Cuautemoc, Chih. 2/9 0115-0130 on 1980 w/SS rock, ID as "Radio Cuautemoc" and 3 min fast tcs. (Gleason)
- 1000-COLOMBIA HJAQ Cartagena, 2/2 1046-1107 frequent mentions of Colombia with local mx. (Schiller)
- 1030-MEXICO XEQR, Radio Centro, Mexico DF. Another still on past midnight; 2/9 0637 Hora Nacional promo. (Hauser)

- 1045-PANAMA HOJ2, Las Tablas, 2/7 1117-1133, excellent signals and a couple of "Ondas del Canajagua" IDs. (Schiller)
- 1070-COLOMBIA HJAH Barranquilla, 1/27 0915-0933 *Emisora Atlantico" IDs frequently and usual Colombian mx. Strong signal. (Schiller) * * (Heard on second harmonic) 2/11 0420 tropical mx, 0421 ID, 0429 mx, slogan ID, on 2 x 1070 = 2140 kHz; 0539 still going. (Hauser)
- 1090-DOMINICAN REPUBLIC HIJM Santiago, 2/6 1104-1124 "Radio Amistad" dominating KAAY w/"Musica Dominicana". (Schiller)
- 1100-ANTIGUA ZDK St. John's, 1/31, frequent visitor here s/on 0945, powerhouse, even on car radio! (Schiller)
- 1106-EGYPT Cairo, good at 1630 1/25 tune w/EE newscast. (Calkin)
- UNITED ARAB EMIRATES Radio Dubai, poor level at 1630 (also/see above) with EE news program. QRM de Cairo. (Calkin)
- 1120-KASHMIR Radio Kashmir, S rinigar, excellent level at 1704 s/off 1/23. (Calkin)
- 1125-COSTA RICA Radio Capital most reliable CR; noted 2/4 0321 w/ER. (Hauser)
- 1133-KUWAIT Radio Kuwait beginning EE at 1630 1/24 and noted at good level to past 1800. (Calkin)
- 1155-EL SALVADOR YSCF La Union, s/on varies from 1130 to 1136 some mornings, ID w/call letters and mention of San Miguel. (Schiller)
- 1159-CUBA CMAD Artemisa, "Radio Artemisa" w/ID and time check every minute and album mx. Listed 250 watts, 1/28 1115-1130. (Schiller)
- 1170-COSTA RICA Radio Columbia, Puntarenas AN 2/4 // 522.8, 775, etc. w/ER's. Here from 1175. (Schatz) / (Calkin)
- 1175-UNITED ARAB EMIRATES Radio Ras-al Khaimah good in AA at 1801 tune 1/20.
- 1180-BRAZIL PRE3 Rio in strong at 0800 with "Radio Globo" ID. (Moore)
- DOMINICAN REPUBLIC HIBE Santo Domingo, "Radio Mil" 1/31, 0908-0930, lots of ID's and time checks, very strong over YVNU. (Schiller)
- VENEZUELA YVNU Ciudad Ojeda, "Radio Petrolera", under "Radio Mil" but some ID's and copy 1/31, 0919-0938. (Schiller)
- 1211-VENEZUELA YVMN Radio Coro 1/28 1030-1045, frequent "Radio Coro" ID's and local mx. (Schiller)
- 1220-MEXICO XEB Mexico, DF still going as late as 0635 2/9. (Hauser)
- 1225-COSTA RICA TIEB San Jose, "Radio BB" 1/27 1056-1130 w/IDs seemingly only at :24 and :54, lots of time checks. (Schiller) * * Radio BB also with ER's, 0322 2/4. (Hauser)
- 1232-CYPRUS Radio Monte Carlo relay, Cape Greco good in AA at 1730 tune. (Calkin)
- 1241-DOMINICAN REPUBLIC HIAU Puerto Plata, off of 1240, 2/3, "La Voz de la Libertad" 1023-1104. (Schiller)
- 1260-MEXICO XEMF Monclova, Coah., 2/11 0214 "... por M-F ... Variedades de la Noche" breaking through QRM. (Hauser)
- 1265-ST KITTS Radio Paradise apparently AN 2/11 0505 w/birthday greetings for Antiguans, etc. (Hauser)
- 1306+-CUBA CMHK Reloj Nacional, Cruces, presumed the SS M&W w/TCs every minute in EDT; chime combinations varied from minute to minute. 1306.579 kHz. (Hauser)
- 1310-MEXICO XEC Tijuana, B.C. (2nd harmonic) 2/9 0400-0510 w/SS MOR-soft rock, logged on 2620 kHz. IDs simply by call letters. Very weak. (Gleason)
- 1330-DOMESTIC KFH Wichita, Kansas noted on MM 2/11 0035 in SS w/dedications; by 0115 was back in EE. (Hauser)
- 1340-COLOMBIA HJFA Barranquilla, 2/3 an excellent AM, finally ID frequently heard SS on 1340 as "Radio Olimpico", two very clear IDs at 0835, copied from 0752. Only audible QRM was APRTS Guantanamo, nary a US stn in sight! (Schiller)
- MEXICO XEOS Cd. Obregon, Son. "Radio Campesina" w/ranchera mx and 14 minute fast time checks. Heard on 2680 kHz. Appears that this now signs on at 1200. Heard 1240-1310 2/9. (Gleason)
- 1345-COLOMBIA (?) Oft-heard but unid. S/on between 0953-1003 daily, TCs in EST, wonder if either the 1342 or 1354 HJ on a drift? (Schiller)
- 1350-VENEZUELA ?? Signs on at 1000, frequent mentions of Venezuela and Coro; doesn't sound like either of the 2 YVs listed in WRTH. Slogan sounds like Radio Califo or Palido or ?? Definite TCs in AST. (Schiller)
- 1390-MEXICO (?) SS nx bearing roughly N/S 2/9 0623. (Hauser)
- 1480-MEXICO XENS Navajoa, Son. 2/1 0150 w/ranchera mx. Slogan now is "La Rancherita" or "N-S, La Rancherita". This is sister to XEKE-980, "La Favorita".
- 1490-MEXICO XECJC Ciudad Juarez, Chih. 2/9 1205-1230 w/ranchera mx, which is a format change, and ID as "La Nueva CJC". No spots, but ID after all records. Lots of XEDR made this rough to log. (Gleason, last two)

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- 1525 -COSTA RICA TIEFAW presumed w/SS nx, not just ER, 2/4 0325. (Hauser)
 1535 -UNITED ARAB EMIRATES Sharjah good w/AA music program to 1900 close w/ID
 and anthem daily. New frequency. (Calkin)
 1550 -TAIWAN AFNT Taipei, good at tune 1900 w/EE news. QRM de Nice/1554. (Calkin)
 1570 -MEXICO XERF Ciudad Acuna, Coah. 2/11 0028 SS acknowledging letters; seemed
 to be a station mailbag show rather than a time buyer; 0030 into EE. (Hauser)

COSTA RICA Ron Schiller sent a list of the stations heard on 2/4 with ERs, 0910-1030. No stations were heard except those belonging to the two networks.

MONUMENTAL	COLUMBIA
650 TIEBAS Strong through WSM	725 TILX Nothing, all Surinam
875 TIGPH Carrier, but no audio	1100 TIRN Nothing, all ZDK
1000 TIMIL No sign, all Colombian	1175 TICA Carrier, no audio
1050 TIGPH A SS under XEG, but no ID	1250 TILM Nothing, all US
1150 TIGHP No luck, YV and US stations	1325 TIRC Fairly good, clear
1275 TIRE Fair signals and clear	1400 TILG No; local NSP
1375 TIMAR Fairly strong and clear	1500 TILB No; WTOP all alone
1450 TIMMC Nothing, all US	1525 TIEFAW Fair signal
1463 TIGHP Weak but clear	1575 TIJCC Weak, but clear

* * VERIFICATIONS * *

- 550-MEXICO KEPL Radio Exito, Ciudad Cuautemoc, Chih. very nice v/l in 2 weeks.
 557-INTERNATIONAL WATERS Radio Veronica, second folder in 5 months for f/up and mint stamps. (Calkin, Spain)
 590-MEXICO XEE Durango, Dgo. v/l in 2 months from Hector Rene Pina, address is 20 de Noviembre 122 Pte. Also sent a bunch of postcards. (Gleason)
 630-MEXICO XEFX Guayamas, Son. v/l in 3 weeks from Rafael C. Leree, Gerente, with newspaper in which they reproduced my whole report under a huge heading reading "XEFX has great coverage". One might assume that they don't get many reports. (Gleason)
 830-VENEZUELA YVLT Radio Sensacion sent v/l from Ruben Arreaza V. Also sent a dozen decals. One month by air. Now 50 kw, and located at Avenida Santiago de Chile, Los Cabos, Caracas, DF. (Montanari)
 950-MEXICO XEORF Radio 95, El Fuerte, Sin. v/l in 3 weeks, asking for tapes of reception. (Gleason) / (Calkin, Canada)
 1265-ST KITTS Radio Paradise, card in 11 months air giving date, frequency and confirmation statement and apologizing for delay. V/s Randolph Edward, Engineer.
 1300-MEXICO XESW Radio Sierra, Cd. Madera, Chih. v/l and Xmas card in 1 week from Box 38. (Gleason) / (Schiller)
 1328-COLUMBIA HJAD Radio Vigia, v/l back in 9 days airmail, special delivery yet, from Luis Alberto Ortiz Martinez, Gerente. Also sent postcards of Cartagena.
 1375-ST PIERRE ET MIQUELON Form letter with illegible signature received in two months. (Montanari)
 1410-MEXICO XEAS v/l from Miguel Villarreal, says first DX report in 4 years he has owned station (Nuevo Loredo, Tamps.) (Gleason)
 1546-ENGLAND BBC Radio Teeside, Middlesborough, card in 1 1/2 months w/full data. Transmitter located at Stockton-on-Tees, Teeside w/1 kw. (Calkin, England)
 1580-MEXICO XEDM Hermisillo, Son. v/l in 2 weeks from Apdo Postal 285. Signature illegible. (Gleason)

The reporters for this issue . . .

Gregg CALKIN - Kabul, Afghanistan
 David GLEASON - Scottsdale, Arizona R399A/URR, Sanserino loop
 Glenn HAUSER - Stillwater, Oklahoma HQ160, SM2, 100' longwire
 Miko MONTANARI - Vigevano, Italy
 Ray MCORE - Walpole, Massachusetts
 Ron SCHATZ - Miami, Florida R388/URR, 50' longwire
 Ron SCHILLER - Lighthouse Point, Florida HQ180A, longwire
 ARDXC - Australian Radio DX Club

YUGOSLAVIA A new station at Sarajevo is on 746 kHz w/100 kw. (ARDXC)

Thats all for another week. See you in 14 with a good sized column, I hope. -73-

editor.. Ernest R. Cooper
 438 E. 21st St.
 Carrier Route 58
 Brooklyn, N. Y. 11226

musings of the members

JEFF FALCONER - Box 63 - Clinton, Ontario - NCM - 710

Hi! Still lots of TAs. 2/1- 12:45am, Albania-1394 noted strong. I'm not sure but I think the station heard @ 1:10 was Austria-1475. 1:25 saw Poland-1502 strong causing het w/WDEE & finally Germany-1602 weak. Other hets noted on 1484 1385 1034. At 2, pips were heard on 1034, must have been a TA - anybody know who this is? ("Pip-pips" could be England, no? -ERC) At 3am a pirate was heard on about 1613 with poor audio. They were conducting tests & I thought I heard them ID as WORK, so this is likely the one reported last season from Underwood, Ind. On 2/2 some SSS DX: 5:30pm, WLEA-1480 in clear w/AE NX. 6:15 saw one of my most wanted which I have been trying to hear for years. WRBJ-1580 all alone on channel w/s/off. 6:30, I caught last of WESY-1580 s/off very weak. 11:25pm, R. Omega-425, Costa Rica, weak w/ID. At 11:30, R. Capital-710, Venezuela, noted very strong o/all domestics including CJRN w/ID & mx program. Anyone know where I can obtain a fet Altaz loop? Verie in from WPPA, v/l. Anyone who wants some CPGO SCs can have 'em for an SASE.

BRIAN VERNON - c/o Box 1000 - Leaf Rapids, Manitoba -

Lots of new loggings this past month. The pick of the DX: 1/19- 12:17am, WCWC-1600 o/KCRG/KIAK w/rr. Surprise, @ 1:06am WACO-1460 w/WX & again @ 2:22 o/KSO w/police messages. Also 1/20, KMMJ-750 8:59am w/ID, NX @ 9, #250 here. 1/22- KOWH-660 @ 8:49am w/mx expulsion ID, (??-ERC) Later, KVRN-1570 o/CHUB w/J.C. Penney commercial @ 10:51am, best catch here so far! 1/28, great MM: 5:18am, KTKK-1000 u/KOMO OC w/c/w; 6:13 CJVI-900 w/Gale warnings & WX; 6:40 WLLD-1080 w/Boat Show promo; 6:59 WHEF-1270 w/ID, 7:44am KTFM w/WX & KDIO w/Sen Burg program promo, both battling for 1350, also KGYN-1210 @ 8:51am I&C, w/Bargain Counter, and finally CKRD-860 w/ID @ 10:40am. 1/30- XETRA-690 w/ID & EZ mx @ 6:01am. 1/31- KABR-1420 @ 8:12am w/Aberdeen WX. 2/4- WIL-1430 w/Harmonical L.P. commercial, also WCKY-1530 w/OC & ID @ 4:10am. Veries back from CBU KOL. KEYJ XERV KSO KTYN CJMS BBC-1214 CJNB KJJO KFBJ KIMA KRUX also w/promo book and "Pie in the Eye" award, hi! KOWB KIML KSUM KIRO CKGB, also most distant DX reports from KRAD KNDC KVRA per veries. KNDC says they mentioned the report on their "This, That, & Other Things" programme, and drew some surprised replies. However, they didn't mention what the surprises were! Good DX, CU in 28, with luck. 73s. All times are EDT. (Gotcher correction, Brian! -ERC)

PERE TAYLOR - 900 North Point - San Francisco, California - 94109

1/21- KSQM-1510 o/u KGA 10:09-10:43pm. No other southern reception so perhaps off pattern. Same evening at midnight, to 12:41am, KREX-1100 finally in o/u 3WE (WWWE). KREX verie back already, v/s said he applied for a job at KFOG in 1961 and remembered me. Also said it was their first S.F. report. Other veries "KPOP KFWO/q KCLM KWSW/q. I tested McKay Dymek DA-3 Loop 1/19-22. It is quite directional; improved signal strength up to 1350; thereafter, outside antenna better. Also it picks up 800k difference between KABL-FM 98.1 (100kw) & KEAR-97.3 (82kw) both two air miles away, & this obliterates 700-900k. I have REVIEWED THE UNIT, BUT I am waiting for a replacement to see if others do better on upper end of band. MM 2/11 found many open channels - it was first Monday after end of ARB Survey, so some ANers off. At 3:40 I tried for WHIS, but got Canadian on PST & XELZ. At 3:47, CKAY-1500 in w/SS & one other, probably KSTP, till KXRX came on @ 4. 1435 OC much of AM. 4:10, KBMI-1400 "Island of BeautifulMx" 4:27, KMPC OC/ID, night pattern; on day pattern w/TT about 5:45. At 4:30, Caracas ID on 750; their programming was //850 @ 4:40. KONE-1450 "sports report" @ 4:46. WOKJ-1550 really loud w/NX 5:02. KGA-1510 ET 5:05. WDAF-610 noted during rare KFRC SP; didn't last long; KFRC OC on 5:19. KVAR-620 5:20. On 740, c/w & TT noted 5:25, both unID. Qly report to KAY. I heard more ANers off 2/11 than in ages & really do think it may relate to ARB rating periods. Nxt one is April 11 - May 8, so look for MM 5/13 for home clear channels. KFOG is among the stations which goes non-stop-24 hours during rating periods. 73s.

NEXT WEEK IS A "DUBLINER" WEEK FOR HQ - NEXT DUBLINER HERE IN 2/28/74.

ALAN DAVENPORT - 31 Madison Drive - Ogdensburg, New Jersey - 07439

Hi folks. This is the first Muse of a new member. You are now in the company of the non-FAMOUS A.D.D. of rural (yes, there is such a thing) N.W. N.J. I have but one AN pest & that is WARM-590, Scranton, Pa. I can get a pretty good deep null but after nulling W there is not much left on the EC. But your heart out you QRM-plagued city dwellers. WARM is 65 miles away. Equipment is DX-150A, SM-2 & LW. Unfortunately I can't stay up MM because of school (or rest of week) so my total stands at 207 stations, four countries, one QSL. Also I've had the DX-150A only since 12/1 and SM-2 since 1/3. QSL was WSM, Nashville, for daylight reception. Only a card hastily filled out without even time of reception! I have seen SW QSLs from major stations better than that. I will be 18 on 2/16. I would appreciate some DX or local correspondence from out in the blue. Now some DX, not much, but some good ones. 2/8- My WARM friends step down to let WEEI-590 Boston through, u/WARM @ 7:31pm. CBEF-540 o/all @ 9pm in FF. Unid SS mx u/WSB-750 null, 9:40-9:50pm, who? 2/9- KFI-640 AN o/Voice of Cuba null w/call in tupe talk shows & NBC NX, 2:15-4am. What is power & call of La Voz de Cuba pest in Havana? I have been hearing them for years. If anyone is thinking of getting an SM-2, get it. I could not have heard KFI without it. Also I tried for weeks every day w/DX-150A to get WVMT Vt. w/LW but could not get rid of WVNJ N.J. I got WVMT the first night plus WETE Tenn., WSUN Fla., & WJNC N.C., all on 620. CUL 73s. (Welcome to the NRC & Musings, Alan, but won't you please be kind enough to DOUBLE-SPACE? Thanks! -ERC)

NANCY GANTZER - 2301 Pacific Avenue - Aberdeen, Washington - 98520

Here's a Musing from someone you've probably forgotten all about. But, I actually DO DX, in case you were wondering. Before listing my DX I'd like to formally invite all NRC members to Bill Hardy's and my wedding. It will take place on 5/18/74 at 2pm at the Hamburg Methodist Church, Hamburg, N.Y., about 25 miles SW of Buffalo. A reception will immediately follow the ceremony, at the church. If you plan to attend please let me know by 4/20 so the caterers will have to know how many to expect to serve. DX of late includes KAMA-1060 1/28 r/c ending 2 05am, poor through KPAY/CFCN. KSOO-1140 1/28 6:35 ID following Ae NX, o/CKXL. KMPC-710 2/1 9:20-9:55pm good w/NX before power/pattern change. KIRO nulled. KTUF-1580 2/4 3:15-3:32am testing w/c/w, ID @ 3:29. c KIAK-1600 @ 4:18am ID & WX, fair, w/KNOW nulled. Bill & I have bought a house & I moved in during January, so note my new address. We hope many of you will be able to make it to Hamburg for our wedding. If there are any questions just write me a note. And remember, let me know if you'll be there. 73.

DICK CLARK - Iarco 498 - La Punta - Callao 5, Peru

I've been working on my article about my 1-DA loop antenna in the up-coming NRC. I know some people are going to try to cut it down, because they don't understand it or don't want to. I hope my article will clear everything up for some people. Here in Miami WRIZ has changed to WRHC (not Radio Habana, Cuba) with the same gospel programs and SS (no change at all!) I wrote to WCMQ R. Alegre and asked them to buy WQXK-FM and change its format to SS. You know what? They did it! About time! Well, next report in Lima. 73s desde Sud America

BILL ANDRES - 351 Union Street - Springfield, Massachusetts - 01105

I am really trying to send out Musings in Monday afternoon, the same day of the biggest (for me) DX day of the week. Whatever tips that can be winnowed from my Musings will be of more value. Warming up the Zenith Sunday SSS, WIZR rr w/WABC-type jingles @ 6:25. I never caught this one in Queens. Later, actually MM 2/11, I thought I caught a WCHL ID u/un-nulable WDRG @ 1:03. They on this early? 860 unID gospel station turns out to be XEMO. Both they and KONO louder than usual. KHEY-690 El Paso testing w/lk TT, IDs @ 2:03 & 2:07. Also a YL on beautiful mx station, Cuba? Voice had a lot of bass, almost unreadable w/the Zenith bass. (A YL w/a bass voice?? -ERC) Another YL/SS beautiful mx on 670, not //, 640 & KFI the loudest I ever heard 'em. Almost 100% readable, 2:20-2:35. WEWQ frequency tests u/local WTIC null, played rr & pop, IDed 2:46 & 2:54. WDEN-1500 Macon, Ga. EP 3:19-3:24 ID. Who is the deep-voiced announcer on 1460 AN MMs, WPNX or WENS? Whoever it was, WMBR testing around 4:20 bombed 'em out. Totals so far in Mass. with the great-sounding but hideously unselective Zenith 107/0. Reports out to WEWQ WDEN KFI KHEY.

LET'S SEE MORE MUSINGS FOR THE NEXT ISSUE, IN TWO WEEKS. DOUBLE SPACE!

RON B. SCHILLER - 1951 N.E. 28th Court - Lighthouse Point, Florida - 33064

Varies in from: HJAD-1328 v/1 airmail special delivery in nine days!, WIPC-1280 v/1 & CM; WLQP-1370 v/1, said furthest reports were Tucson and New York; WIMC-1290 memo & WSEM-1500 v/1. 2/3- I listened for over an hour on 1270, finally IDing WITF-1270 (unn) 7:20-8:30am w/taped church shows & no IDs. 2/4- Unn WHSL-1490 atop @ 4:45; WFRG/WPOM-1600 both s/on @ 5. Costa Rican elections on and knocked off seven of 'em. 2/6- WORL-1270 7:59-8:08am RS through Cuban QRM. I took a log on semi-locals WRSD-1430 and WSTU-1450 u/WOON midday. 2/8, some SS actually o/local 50kw WINZ but unID. 2/9- NA @ 7 on 830, this WNYC, ERC? (This their s/on time since we're on EDT -ERC) WCCO already on, and plenty of HLJB QRM. (WCCO is NSP -ERC) 2/10, WVCF-1480 w/church service 8:30-9. Lots of IA loggings, details to Merriman. Two unID IAs, 1345, most likely a Colombian s/on around 6; and a YV on 1350 frequently heard from 6-7am, mentions Coro often. 73.

BRYAN GRIFFITHS - 17 Kirkland Boulevard - Apt. 104 - Kirkland, Quebec - H9J 1N2

2/10. This is my first Musing since joining NRC in 11/73. I'm 31 & have DXed on and off for 16 or 17 years in various locations. Totals at this location since starting again in 10/73 are 300 heard in 11 countries. Some recent DX: 12/20- At 1:22am KKJO-1550 Mo. 12/24- 1:45am, WINZ-940 Fla. 12/29 @ 12-12:06am, WBAY-1360 Wis. w/CBS NX o/WSAI. 12/31- @ 12:25am, WISM-1480 Wis. 4:15pm, WCRV-1580 N.J., then first DX of the new year, 1/5 - WBVM-1550 N.Y. @ 3:45pm; WHEX-1580 Pa. @ 4:26pm; WRDI-1580 N.J. @ 4:57; then an opening to the S w/WVAB-1550 Va. s/off 5:15pm, WKVA-1550 Va. s/off 5:25, WFOV-1580 Va. s/off @ 5:30pm. On 1/6 WNST "Country 1600" @ 6:05pm; WXVA-1550 S/off 6:15; WGOE-1590 Va. s/off 6:17; WKYE-1550 Tenn. s/off @ 6:30pm. WEMP-1250 Wis. @ 10pm; WMID-1340 N.J. @ 10:22pm; 1/7- WBSC-1550 S.C. c/w @ 6:21pm. 1/10- WSCM-600 O. @ 8:01am during local CFCF XR failure. 1/20- I monitored 1420 from 5:45 to 6:15pm trying to ID an FF w/lots of local Thetford Mines Que. ads. It was first noticed around Christmas or New Year's - must be new CKTL Plessisville Que. mentioned in new VJ Log. (They've been on since 1972 autumn at least, Bryan - Stan Morss "discovered" them then -ERC) 1/27- Lots of SS. Unn WKAQ-580 P.R. @ 2:55am; un HILL-860 D.R. @ 3; also @ 10:22pm R. Paradise-1365 St. Kitts. 2/2- WNHV-910 Vt. s/off 6:15pm w/CBO nulled. CFJR-1450 Ont. 6:47pm hockey game. (Welcome to the NRC & this section, Bryan! Good DXing, and report often! -ERC) (Oops - Bryan sent a second page - sorry) 2/9- CHRL-910 Que. w/EE & FF rr @ 5:59pm; WWOL-1120 N.Y. @ 6:31pm good level. WJML-1110 Mich. like a local 6:32-6:38pm (tune-out); WMUS-1090 Mich. @ 6:47pm w/WBAL nulled; WEEP-1080 Pa. w/WPIC nulled @ 6:54pm; CHSJ -1150 N.B. 7-7:05pm & then KFAB-1110 Neb. from 7:10-7:40pm (tuneout) w/WBT nulled. 2/10- 3am, CHVD dominating 1230 @ 1:55-2:10am w/FF mx, announced 10kw. in FF.

TIM KERFOOT - 34 Cross Street - Weston, Ontario - M9N 2B9

DX has been good lately. New catches: 2/4- WMIS-810, 7:25-7:30 pm u/WGY/KCNO. 2/5- WKAR-870, 5:5806:14pm s/off. WCAO-600, 7:42-7:45pm. WICC -600, 7:41-8:19pm. 2/8- CJRP-1060 6:45-7:20pm well o/KYW. 2/9- CHRM-740, 5:30 -6:05am, province #10 heard. WLLI-730, 6:10-6:55am, rough through CKAC but I did get a number of verifiable items. WHEB-750 6:58-7:08pm, dominating frequency. This one has been difficult to hear for some reason - that was the first time I've ever heard a trace of it. MM 2/11- HJCE-890, 1:20-1:27am, no WLS. WCHL-1360, 2:20-4:19 NRC TEST rough u/WDRG, especially prior to 4am. That is unusual because WDRG is comparatively rare here - that way by far the best I have heard it. On 1360 around here you usually get WSAI/WIXZ/WKMI in that order with traces of WBAY & WKOP. UnIDs: 2/8- FF noted on 1400, 1340, & 1240, all identical, not CBC, 1:10-2:06am. There was uninterrupted MoR (both FFC & American). This was likely the Radio Nord network in northern P.Q. MM 2/11- VQA NX @ 2am around 1196 - Munich? Even if I heard a specific ID I would consider counting it but there was none. From 2:39-3:07 there was a station on 750 testing w/c/w album, but no announcements. Varies: KPCK-1530 for TEST - sent list of reporters and CFNB-550. 73.

HARVEY B. WOODWORTH - 142 Otugo Avenue - San Francisco, California -

At the present time I am only occasionally DXing the BCB, but in so doing am quite surprised to how all my Zenith radios pick up distant stations! One of my Zeniths has a "local-distance" switch, which, on MMs during the early hours when most of the local stations are off the air for XR checks, I

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can get a few clear channel Canadians as well as U.D. also! I'll be retiring in a few years, and radio DXing will sure be quite a fascinating pastime, although however, my hobby is only done on an occasional basis. This I do know, and that is it's quite a nice hobby to have, particularly when you're on a two week's Christmas vacation, and you receive some wonderful gifts, including a Zenith Trans-Oceanic receiver! My next letter I'll tell you more about it. The best of 73s. (Welcome to the NRC, Harvey - your letter was forwarded here by the HQ squad - why not Muse soon directly to me in Brooklyn - double space??? -ERC)

NEIL G. ZANK - 2445 "E" Street - Apt. 6 - Lincoln, Nebraska - 68510

For the first time, since joining NRC in 12/73, I will try to get myself organized with something for the Musings section. I use three or four receivers here at one time or other, including HQ-160, SX-100 & SX-99, all with inverted L antennas. Since 12/17 when I hit the dials again seriously I have logged 57 new ones. Beginning with DX TEST of KPCR-1530, selected catches include WOKJ-1550 @ 6:30pm on 1/28; R. Belize--834 @ 8:30pm on 2/3; CBJ-1580, @ 10:15pm on 2/6; WCLS-1580 @ 1am on 2/9; KCHI-1010 @ 12:20pm on 2/9; CJGX-940 @ KIOA @ 1:45am on 2/10, & CJCA-930 u/WKY @ 2:15am on 2/10; XEMO-860 @ 3:15am on 2/10, folo by KCBS-740 @ 3:25. That night was VERY INTERESTING. MM 2/11 brought both WWO w/ET on 1080 @ 1:35am mixing w/WTIC - I liked both of them. And on 1320 I found WKPQ from 2:35 to 3am. At earlier dates I had DX TESTS of KPCA & KOKO both for NRC. Recent veries include letters from KPCR CHAT CFTR & v/f from WMBD; verie cards in from KSIP WSPD WAKR KMUS WOKJ WHO WGN w/propaganda for clear channels, WWL, WMAQ. In order to build up my card collection I have recently reported ones which I have overlooked for years. So some of the above list are not too impressive. (Welcome also to you, Neil, and thank you for Musing, and we trust you will do so often! -ERC)

MARTY WRIGHT - RR3 - Springfield, Illinois - 62707

Here we go with Musings from Marty - with a lot of DX for '74 so far. Seventyone stations in January. 1/6- WRX-1560 TT 12:04-12:09. While waiting for the KPCR TEST 1/7 I heard KLOU-1580. KPCR is like a local here for entire TEST. Also 1/7, KTEA-590. 1/8- Two good ones, WGLM-1220 s/off 7pm, WYRK-1380 s/off 7:30. I heard WST-1600 s/off 6:30 1/10. 1/15 I heard new WUPF-1190 test 1:15-1:27 w/organ wa. 1/18- WNBC-570 in 1:09. 1/20 brought WCLS-1580 2:18. First D.C. station 1/21 w/good signal from WRC-980, 1:10. 1/21 also found WYRK-1590 s/off 1:23 on. KOKO TEST 1/21 in strong for 17 minutes, then gone. CBAM-1280 w/good signal @ 3:24. 1/22 I got WJWS-1390 10:16. 1/23 I heard KIRL-920 1:58. WSWG-1540 in strong @ 7:15 s/off 1/27. 1/30 saw a great signal from KSKY-660 w/Gospel programs 7-7:30. I heard WQMG-1590 testing 1/21 12-12:15am. I caught a few minutes of KTOP on top of 1490 2/4 3:25am. 2/11, the band was thick w/LAs. I got two positive - HJUX-690 3:50-4:30 & Belize -834 11:30-12 midnight. I had another Colombian on 810 for about a half hour 2/11 mentioning Bogota a lot but no positive ID. Belize is country #6 for me. Totals now 143/76. I still haven't got good RX but doing very well with my Sears portable, in the basement, yet. From the Illinois Capitol, that's it for now. (Welcome Marty, to Musings & NRC and visit our section often, please! -ERC)

KEN QNYSHCHUK - 12934 Page Court - Blue Island, Illinois - 60406

Hi, all you dial addicts! Nothing to add since last report - I've been fishin' at different locations though to check reception during varied WX conditions. 2/11- I was asleep an hour when the phone rang; George Hudek from Schererville, Ind. buzzed to notify me of his 1030 K-2 signal @ 1:45. He asked me if I could use a Wyoming & I told him yah. Funny thing though, I couldn't find 1030 w/WCFL off! I thought I had it, but wasn't sure, so back to sleep. 2/10- I had WOPA-1490 looped pretty good 9:25-10pm & heard combo of MoR & c/w, kinda slopph though. The E/W signal never did ID clear enough. WMEX-1510 heard w/rr between 8:30 & 9, first time heard so well in three years. Almost overpowered WLC! I heard female doing NC on 1500 from 9:05-9:20. 1510 splash was minor so I did get some NX, sports, despite much fading, probably WTOP. Just for kicks I tried the 970 TEST from Fairbanks, both at beginning & end - no way. Too many regionals clogging it up. I wonder how far it did get. That Okla. on 1580, KLTR, is almost a pest @ SSS. Their s/off isn't till 8:15. 2/8- Listening to CBJ's hockey fade in & out 8:30-9. I heard lively MoR week in background. Nothing to the S - I hope it would get stronger but no luck. Maybe KDAY? Say ERC,

just for curiosity, if WQXR-1560 changes to night pattern at SSS-Bakersfield, what time is it in NYC, approximately, 2/10? (9:45pm EDT I think, by consulting Ernie Wesolowski's SRS/SSS map for February -ERC) Any change in reception? (Not here - ERC) That's all. C U sune.

ROGER GIANNINI - 1111 Forest Hills Drive - Belleville, Illinois - 62221

After the last few years the GPN Loop plans have been out, I've finally been able to find somebody to build it. Even without the FET amp it's quite an improvement over the SM-2. However, in all fairness the SM-2 is quite remarkable for what it can do for its size. On 2/2 PM CX have been Aroral. HJCX-700 atop the mess w/WLW looped 9:50pm. Nothing intelligible on 710 w/jammer & WOR out. I have been enjoying WOR's excellent Memory Lane program on Saturday. CMGN-720 all over WGN, 10:10. 730 is a mess w/XEX looped 10:13. Likewise for KRMG--740. CMCI-760 w/hardly a trace of WJR, 10:15. HJFCX plus unID IA doing a good job on WABC-770. ZBVI-780 w/Soul mx, WBEM deeply nullled, 10:20. HJKC-850 good w/TGX underneath, 10:30, w/KQA looped. WLS, XEW too strong to loop out. WCFL-1000 normal but I'm able to loop for unnn 10:43. KNX-1070 good 11:08 w/area NX w/WDLA looped. XERCN o/KFAB-1110 11:25. KWKH-1130 fair 11:30, slight KMOX splash depending upon loop direction. A deep null of WRVA-1140 but that's all and by this time CX were returning to normal. Would somebody please explain why this happens? 2/6 PM- YVQJ-1080 fair w/KFLD looped and R. Barcelona ID, 8:45. KMA-960 poor w/EKB, KFVS looped. WRTH-590 looped & usual CMW & WOW 10:40, much stronger. WMAQ-670 is practically looped out for better CMKP reception w/a weak YVLL behind him. I received v/q from KOFI for 35th states verified out of 41. The engineer said I was lucky to hear them at all. This was on old SM-2. 73.

ERNEST R. COOPER - 438 East 21 Street - Carrier Route 56 - Brooklyn, N.Y. 11226

Nice v/l w/CM from WRBX-1530. I have a WRBX v/c from 1934 from when there was such a station on 1410 in Roanoke, Va.! They shared time with WHIS, Bluefield, W. Va. A f/up to CHAK-860 N.W.T. got me a nice letter & beautiful booklet about the Canadian North from CBC, & letter says I "could" have had CHAK back in late September '72, but they couldn't be sure at this late stage but did confirm one item about the name of the bay in their area, so - to count it or not to count it? That is the question! DX Down the Week: Sat. 2/9- I tried my hand on this day of the week, a rarity here, & heard unnn WMPO-1390 TTing @ 12:23am, & doing right-smart u/ANS. I think the het or TT on 682 & 738 is a product of something haywire in WOR's intrils. R. Copporacion-540 doing well, in/out of other SSES & still needed CBEF. I think 'twas WRBX-1530 testing w/ all sorts of mx & comedy records 2:16-3:02 way u/WCKY - I heard mention of N.C. in ID @ 2:51am. Oddly their v/l arrived later than that morn from SSS reception! In the afternoon, I finally got enough data on WKQW-1300 to send them a report. MM 2/11- Oddity on 1500, as both WDEE & WDEN IDed together @ 2:01, both ETing w/c/w! Crazy! This on 1500. Europa was in in quite a few spots, like on 1578 with cl mx, choral & then male basso solo, then cl piano sonata, and the announcer had a very deep voice - anybody recognize whether this was Italy or Portugal, or who? WWRL-1600 & WHN-1050 were off. KFEX-1530 & KKHI-1550 were in before 3. On 1100 I think it was ZDK ANing w/Soul mx mostly, few announcements, so undoubtedly either they or WWWE. 2/12- At 7pm, a N.C. station s/off u/WKBW; WITC-1550 s/off @ 7:03, said 500w, so change NRC Log which says 250. WRHC-1550, ex-WRIZ, an LPC here tonight & 2/14 7-7:15, practically in the clear w/semi-Auroral CX. WKBW-1520 & WCKY-1530 good, but CBE-1550 almost nil. A report out to WRHC. Welcome to lots of new Musers, but where are you old friends of ERC's Musings? The weeklies are nearing their end, so why not join us for the stretch run? C U N 14.

