



DX News

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HEADQUARTERS PAGE: John A. Callarman, Exec. Sec'y, P.O. Box 99, Cambridge, Mass. 02138 (Ph. 926-2677)

DX CALENDAR ...

Monday, February 26	0330-0430 EST	620 kc.	CFCL	Timmins, Ontario	10000 watts	IRCA
	0330-0430	6340	CFLH	Hearst, Ontario	100	IRCA
	0330-0430	1230	CFLK	Kapuskasing, Ontario	100	IRCA
Monday, March 4	0400-0500	1490	KNDC	Hettinger, North Dakota	1000/250	IRCA
Monday, March 11	0400-0430	1080	KNDK	Langdon, North Dakota	1000	NRC/test
	0400-0500	1400	KEJM	Lemmon, South Dakota	1000/250	IRCA
Wednesday, March 13	0100-0200	1070	CHCK	Sarnia, Ontario	10000	NRRC
Monday, March 25	0430-0500	570	WNAX	Yankton, North Dakota	5000	NRC/IRCA

CFCL, CFLH, AND CFLK will test in parallel with reports to go to Mr. F. Palmer, Radio Engineering, CFCL, Case Postale 620, Timmins, Ontario. Program will consist of music, with English and French ID's every 5-7 minutes. CFLH and CFLK will make good catches, obviously. Return postage is a must. Program arranged by IRCA CPC chairman Eric Floden.

NEW MEMBERS ...

This week, the NRC welcomes the following new members into the club:

James A. Daley Jr.	190 North Mill Road, N.W.	Atlanta, Ga. 30328
Douglas B. Meyer	34 Lewis Place	New Rochelle, N.Y. 10804

(The latter is a student at Cornell University, and also sends along the address: 3105X University Halls, Cornell U., Ithaca, New York 14850)

Welcome to the NRC, Jim, and Doug, and we hope you'll participate in our many activities.

ANARC DUES PROPOSAL ...

Club representatives to the Association of North American Radio Clubs were asked to vote this week on a proposal to levy a 10¢-per-member "tax" against each affiliated club to support ANARC's many activities of benefit to the hobby. NRC, IRCA and NASWA (the progressive all SWBC club ably run by Bill Eddings, Don Jensen, et al), voted for the proposal. The new TV-FM DX club, the Worldwide TVFMDX Association and the Northeast SWL Club voted against the proposal but said they would contribute if it passed. The Canadian DX Club, the Canada International DX, surprisingly, the Newark News Radio Club, the American Southwave Listeners Club, and the Firecrest DX Club voted their opposition, and said further they'd refuse to pay if it passed.

The ANARC Executive Secretary, Gerry Dexter, writes in the current ANARC newsletter "Now, in the hope that those who offered support really meant it, ANARC HQ is standing by to receive the sums involved based on a rate of ten cents per member in your club."

The NRC governing body supports fully the aims and projects of ANARC, and will, within the next week, post NRC's check at 10¢ per member to the Association's Headquarters. We assume IRCA and NASWA will do the same.

As far as the five clubs who not only opposed the move but said they'd refuse to pay if it passed, we can only express our shock at this attitude. We weren't too surprised when the 16-year-old president of one of the clubs sent out a form letter expressing this stand, but that the representatives of the other clubs, at least two of which are run by adults, would follow suit is a distinct surprise to me. I do not condemn the two clubs who, in good faith, voted against the proposal but said they'd cooperate if it passed. I do feel, however, that the five clubs who would have risked breaking up ANARC in a jurisdictional fight need to take stock of how serious their intent to serve the DX hobby really is. NRC stands fully behind the ANARC and its aims, and salutes the other two progressive clubs who echo our sentiments! -- JAC

DOMESTIC CONTEST STANDINGS ... FROM : DON KASKEY, WEST SACRAMENTO, CALIFORNIA.

CONTEST #1

1. Dave Carlson, Mo.	244
2. Bill Nittler, Colo.	238
3. Marc DeLorenzo, Mass.	232
4. Joe Fela, N.J.	197
5. Don Kaskey, Calif.	193
6. Mike Tannery, Texas	183
7. Richard Eddie, Mo.	174
8. Robert Hostettler, Minn.	167
9. Frank Wheeler, Pa.	158
10. Dave Prather, Calif.	157
11. Fred Nordquist, N.M.	155
12. Don Erickson, Calif.	147
13. Paul Kilroy, D.C.	145
14. Ev Johnson, Ill.	132
15. Randy Seaver, Calif.	126
16. Randy Miltier, Calif.	124
17. Gene Mattocks, Calif.	118
18. John Long, Conn.	112
Ken Jennings, Texas	112
20. John Tudenham, Okla.	76
Greg Seifert, Ohio	76
22. Sheldon Remington, Conn.	50
23. R.L. Goday, Calif.	49
24. Clarence Freeman, Calif.	19
25. Mike Northam, Ore.	1
26. John Callarman, Mass.	0
Wayne Coombs, Calif.	0
Raleigh Biss, Calif.	0
Jack Hathaway, Ill.	0
Lynn Brooks, Okla.	0

CONTEST #2

1. Don Kaskey, Calif.	154
2. Joe Fela, N.J.	150
3. Fred Nordquist, N.M.	128
4. Gene Mattocks, Calif.	103
5. Frank Wheeler, Pa.	77
6. Marc DeLorenzo, Mass.	75
7. Randy Seaver, Calif.	74
8. Robert Hostettler, Minn.	68
9. Randy Miltier, Calif.	52
10. Don Erickson, Calif.	51
Ken Jennings, Texas	51
12. Sheldon Remington, Conn.	28
13. John Tudenham, Okla.	25
14. Mike Northam, Ore.	1
15. John Callarman, Mass.	0
Mike Tannery, Tex.	0
R.L. Goday, Calif.	0
Wayne Coombs, Calif.	0
Jack Hathaway, Ill.	0
Lynn Brooks, Okla.	0

CONTEST #3

1. Dave Carlson, Mo.	32
2. Marc DeLorenzo, Mass.	30
Paul Kilroy, D.C.	30
4. Mike Tannery, Texas	25
5. Dave Prather, Calif.	24
6. Don Kaskey, Calif.	23
Fred Nordquist, N.M.	23
8. Ken Jennings, Texas	22
9. John Long, Conn.	20
10. Gene Mattocks, Calif.	18
Frank Wheeler, Pa.	18
12. Joe Fela, N.J.	17
Don Erickson, Calif.	17
Randy Seaver, Calif.	17
Robert Hostettler, Minn.	17
Richard Eddie, Mo.	17
17. Randy Miltier, Calif.	16
18. Sheldon Remington, Conn.	12
19. Lynn Brooks, Okla.	11
20. John Tudenham, Okla.	9
21. Mike Northam, Ore.	1
22. John Callarman, Mass.	0
Wayne Coombs, Calif.	0
Raleigh Biss, Calif.	0
Jack Hathaway, Ill.	0

ALL ENTRANTS WHO HAVE NOT SUBMITTED OR UPDATED
STANDINGS IN THE LAST MONTH PLEASE DO SO.
IDEAS FOR NEXT SEASONS CONTEST(S) ARE ENCOURAGED
AND SOLICITED-- DK

CONTEST #4

1. John Gifford, Ill.	150
2. Jerry Conrad, Ky.	123
3. Don Kaskey, Calif.	64
4. Joe Fela, N.J.	44
5. Dave Carlson, Mo.	42
6. Ron Ponke, Mich.	39
7. Marc DeLorenzo, Mass.	37
8. Jim Neff, N.Y.	33
9. Gene Mattocks, Calif.	32
10. Robert Hostettler, Minn.	26
11. Richard Eddie, Mo.	22
12. Frank Wheeler, Pa.	20
13. Don Erickson, Calif.	19
14. Randy Seaver, Calif.	16
15. Fred Nordquist, N.M.	15
16. Clarence Freeman, Calif.	11
17. Lynn Brooks, Okla.	7
Randy Miltier, Calif.	7
19. John Long, Conn.	5
John Tudenham, Okla.	5
21. Sheldon Remington, Conn.	3
22. Mike Northam, Ore.	1
23. John Callarman, Mass.	0
Wayne Coombs, Calif.	0
Mike Tannery, Texas	0
Raleigh Biss, Calif.	0
Jack Hathaway, Ill.	0
Ken Jennings, Tex.	0

CONTEST #5

1. Fred Nordquist, N.M.	26
2. Robert Hostettler, Minn.	25
3. Dave Carlson, Mo.	15
4. Ron Ponke, Mich.	14
5. Frank Wheeler, Pa.	11
6. Marc DeLorenzo, Mass.	9
7. Joe Fela, N.J.	6
Don Kaskey, Calif.	6
9. Don Erickson, Calif.	5
10. John Long, Conn.	4
11. Lynn Brooks, Okla.	3
Randy Miltier, Calif.	3
13. Mike Northam, Ore.	1
14. John Callarman, Mass.	0
Mike Tannery, Texas	0
Wayne Coombs, Calif.	0
Raleigh Biss, Calif.	0
Jack Hathaway, Ill.	0
Ken Jennings, Texas	0

OKAY, WHILE WE HAVE SOME SPACE,
HERE, LET'S LOOK AT SOME NRC
RENEWALS:

- Henry J. Wilkinson Jr. *
- C.M. Stanbury II *
- Curtis D. Engberg *
- Stuart Drake *
- Ray Moore *
- Bruce Collier *
- Don & Len Boselovic *
- Steve Bezilla *
- Gary Peterson *
- Carl Parsons *

*= via first class mail

NOW = More members receive the
Bulletin via first class mail
than via any other route (with
the possible exception of picking
it up in person as part of the
production crew!

-M-U-S-I-N-G-S-

EDITOR: ERNEST R. COOPER - 438 EAST 21 STREET - BROOKLYN, NEW YORK - 11226

DEADLINE EVERY TUESDAY - THIRTY LINES PER Musing - PLEASE DOUBLE SPACE.

Joe Fela - 167 Goodwin Avenue - Newark, New Jersey - 07112

Recent veries are v/l's from WBBQ-1340 (who suggests I try to pick up their FM even though I don't have an FM set right now, hi), WMYB-1450 WAIN-1240 (after almost 1,600 stations in the Heard Log, I finally got a Watertown station, hi Jerry Bond), & WEEB-990-TEST. Also a v/q from CHUM-1050, a v/f from KRBC-1370-DX, & a verie on the CM/rate card from WDOC-1310. Recent DX has improved greatly as a bad local noise which was hurting reception for two months has finally gone away. Here's what's been heard: 1/17- 12:11am, WKYE-1550 ET/mx o/CBE, another ETer (but w/TT) also there. 12:28- WAIN-1240 r/c-merch mx, easy. 1/19- 2:23am; CHER-950 AN atop all, strong, & I couldn't get a peep out of them on either DX; 2:44-2:51 WKCU-1350 r/c-DT but no verie yet (did you have better luck, Ralphie?) 1/22- 2:10am, CHRC-800 apparently the FF stop the channel; 2:12 WINS-1010 ET w/old rr, which completely knocked out 990-1000-1020-1030 w/splash down to 960; 2:25 WLOB-1310 for first time this season; 2:27 WJNO-1230 w/HT; 2:49 WEZY-1350 noted so NSP again; 3:14 mx noted & TT while trhing for WPHN-1560 TEST, no IDs caught but I see where others say it was WVAK which was um here anyway. 1/31- 5:23pm, WRIS-1410 equal to WPOP through WNJR-1430 spillover; 5:30 s/off WBLU-1480 clear through local WHCM (WBLU called itself the "Big Blue Giant"). 2/1- 5:29pm s/off, WFIF-1500 plugging WDRC-FM (the third I've heard doing this). 2/2- 12:19am, WWBZ-1360 r/c-TT, I finally got some good IDs. This has been a rough station for me to log for some reason. 2/3- 4:35am, WPRT-960 r/c weak; 4:45 WPHN-1560 f/c; 4:49 WDOC-1310 r/c; 6pm s/off WNRV-990 good on car radio. 2/5- 12:40am, WZKY-1580 f/c; 2:31 WINU-1510 ET/TT; 3:07 Portuguese noted on 980 through the ANers (and again, WIRY just/wasn't audible here this MM); 3:17 KOFO-1220 TEST weak but made it; 3:31 XEMO-860 s/off while looking for KIHN, ~~KXN~~ KCNO also in there as was a Brazilian (probably). 3:35 s/off XERB-1090; 4:00 WVCG-1080 TT; 4:05 CHAM-1280, NSP? 73.

Charles R. Rader - 22 Robert Street - Hamburg, New York - 14075

Swinging into the Chinese New Year - the year of the monkey (to borrow a line from the venerable Johanns, hi). DX as follows: 1/2- CHSC-1220 s/off 1:12 w/GSQ & Oh Canada, announced s/on as 5:30am. 1/8- Best MM of the season, so far, w/respect to the Specials. Four logged as follows: WKMK-1000 on for NNRC TEST 1:08-1:30 $\frac{1}{2}$ w/fair signal using current rr mx & some lengthy IDs. WCFL/WIBG slop also noted, as they were both testing w/CC); WGOH-1370 TEST in well here, 1:34-2, w/TT & IDs. Then, on 1440k "The Wonderful Sound of WNFL" w/NRC DX show, in weaker than expected 3:02-3:30 using MoR recordings (& National Emblem March). Finally, WDEL-1150 on w/another NRC DX show, heard well on practically a clear channel, 4:12-4:45 & mx as per WNFL DX.

1/12- WKY-930 coming in surprisingly well @ 2:50 w/rr. 1/15- WKBW-1520 TT from about 12:15-1, then off for rest of early morning; WNKY-1480 had TT of various cycles 1:15-1:25 tuneout o/WDAN; WLET-1420 TT w/IDs every minute 1:55 tunein to 1:58 s/off using William Lincoln Edward Thomas for f/c. WEZE-1260 testing o/WIXY w/IDs & nothing else, noted 1:40-1:43, and longer. WUBE-1230 rr & 20/20 NX @ 2:40 dominated channel usually held by WCOL; and WNIA-1230 on for a test, noted 3:07 and longer w/Beatles selections (mx?) 1/30- WLBG-860 put an unbelievable S-9 signal into this area for its NRC TEST, using MoR mx and frequent IDs, 2:01-2:30. 2/1- BYB-1968 arrived by private delivery company - not by mail - something new. 2/3- WIRM-1550 NRC TEST heard weakly here, mostly u/CBE, 1:01-1:30 w/MoR mx & TT. Report out w/about ten minutes of poor info in 29 minutes of copy on 1550. Joe Kuzeth, sorry to have missed the WEEB-990 TEST of 1/15, but I receive the Third Class DX NEWS. The issue w/ the TEST info, 1/6, arrived on 1/24. Also sorry to have missed Wayne Plunkett & Jim Wriner's visit on 1/6. I wish I had known they were coming, as I probably could have traded my work sked for that day to something more convenient. Perhaps we can get together sometime this Summer? Third Class mail delivery of DX NEWS here is a bit unusual. Since Christmas, every other bulletin has arrived on the Mon or Tues after publication. Ithera arrive ip to two weeks late. The 2/3 issue just arrived here today 2/6. That's it so 73s & good DXing.

Ronald F. Schetz - (on a trip to) - Ensenada, B. C., Mexico

Greetings from fishy Ensenada! So far, I have seen XERB's gigantic six-tower array. Also XEDX-1010 & XEPF. I hope to see some NRCers at Kaskey's next week. 73.
AS THEY SAY IN EAST LONGMEADOW, MASS., "WTYM." "THANK YOU for Musing."

February 17, 1968

Fred Nordquist - 411 Dart - W.B.M.R. - New Mexico - 89002

Greetings. A very successful MM 2/5 w/both NRC TESTs well received here. Totals now at 438/17 w/veries in from KALV-DX v/1, WHBQ v/c. The SX-110 RX w/55" loop setup seems to be working very nicely this season. I harned up an unique method to rotate the loop- by use of marbles, an old Wa-Hoo board w/holes, and a base for the loop to roll on, hi. It works! Well, down to the latest new loggings: 2/1- XEBU-620 Chih. SS rx 6:23pm, KWEN-1320 Ark. c/w wedged in between KXYZ/KCPX; XEMPC-790 Chih. L&C w/ nas bonito rx (?? -ERC) 9:30. 2/2- KCOR-1360 Tex. w/SS rx & EE ID 12:00 $\frac{1}{2}$ am. 2/3- WIRV TEST not heard due to XEBG QRM, some TT heard, but probably a Mich. TT'er on 17 KLVV-1480 Tex. ET 2:28am, KTRY-730 ET 3:25, WNEW-1130 NY 4:04 sports, WHK-1420 Ohio SID 4:32 $\frac{1}{2}$ o/u unID OC, KWED-1580 Tex. s/off 6:45pm, KROB-1510 Tex. c.w 6:49, KUOA-1290 Ark. s/off 6:59, KQXI-1550 Col. skiing, 7:07, KCAD-1560 Abilene, Tex. (not KABI) heard RS 7:15. 2/4- KTAN-580 Ariz. NX 7:44, rr @ 7:48. 2/5- KKHI-1550 Cal. religious program 2:44am, KLFN-860 TEST mixed in w/XEMO/KONO to XEMO s/off 3:30, then top KONO thereafter w/SS & EE IDs & SS rx, heard to 3:36 tuneout. KOFO-1220 TEST w/minor SS QRM heard 3:02-3:23 w/TTs, OCs, & short IDs every two or three minutes. KORI-650 again in w/good signal 3:49, KTW-150 Wash. w/church program 4am, unID-750 w/ a capella choir rx 4:50 u/WSB OC, who? (For sure JBC, Fred -ERC) UnID-700 c/w 5:05 u/WLW. 2/6- KHLL-1250 Ariz. o/HNL c/w 5:25pm, KZEE-1220 Tex. s/off 6:58, KPCN-730 Tex. s/off 7:17. Reports out to KTRY KOFO KLFN. Less than ten months of DXing left at this locale, then it'll be back to civilian life - that is, if we don't get extended, ugh! 73. (Very nice new typewriter, Fred! -ERC)

Jay Murley - KLFN Radio - Drawer 430 - Phoenix, Arizona - 85001

Best recent DX: KPPC-1440 Pasadena @ 8:40pm 2/4 u/KSON/KRNO. I note KLFN has more veries on first day after 2/5 TEST than total received from 1/1 TEST. Reports include: Godwin, Col; Coday, Cal; Richards, Cal; Hartman, Wis; Foxworth, NJ; Reutzahn, Pa.; Johnson, Col; Gersich, Cal; Merriman, Va; Wesollwski, Neb; Brown, Mich; Reynolds, No; Winsor, Ind; Whatnough, Ont; Migley, O; Johannis, NY; Pietsch, Cal; Dangerfield, Pa; ReKay, Ill; Sheedy, Cal; Nordquist, NM; Russell, Md; Muller, Cal; Jacoby, Cal; Raczko, O; Nittler, Col; Krejny, O; Kilroy, DC, Weiser, Pa. among the early birds. I note KLFN was difficult u/both XEMO & KONO for most, but improved after XEMO left air. Many thanks for all the reports - and we're hoping for some New England, the Southeast; and Western Canada. (KONO is off Tuesday AMs, Jay -ERC)

Don Kaskey - Hotel El Rancho - Box 235 - West Sacramento, California - 95691

Wed. AM 2/7 provided the strangest CX here that I remember. On 1430, KARM s/off 3:02, KLO @ 3:10, leaving KALI w/SS programming about S-8 or less w/minor QRM until 3:50, when KELI boomed in from nowhere w/rr & S-9-plus signals, At 4:10, WIRE was atop w/ same signal strength & @ 4:15 KALI back about S-7 w/WIRE faintly underneath. The near local & sudden strength of KELI & WIRE left me in shock. SM 2/4, KIXF-1280 Fortuna, Cal. s/off 8:45pm for badly needed F, lotsa QRM. 2/5- KBBR-1340 North Bend, Ore. s/off midnight s/good signal. KDOL-1340 Mojave s/off 1:01 w/SSB male vocal, announced as "Voice of the High Sierra". 1:03, KATA-1340 Arcata s/off w/"Sleep in Peace". KCRK then atop & believed to be one w/NBC Monitor NX on the hour. KEOS-1290 iz. still here, f/c 2:15-2:30 TT. KBET-1340 Reno s/off 3:01 to return @ 9am, Ann Hank Musselmen & instrumental SSB. KCBN-1230 Reno rr till 4am. XEAA-1340 Mexicali @ 3:14. UnID code f/c-TT 3:15-3:30 on 1490. KXXL-1450 f/c 3:30-3:45, KLFN-860 TEST in well 3:30-4 after XEMO s/off. KONI-1480 Utah ID, ET 4:29. WAPI-1070 Ala. atop @ 7: 6 w/ID & TX. VOA-1178 strong @ 7:50, KMER-950 Wyo s/on 7:59 u/KIMN, KCTA-1030 Tex. for ID @ 8:33. 2/8- KAGI-930 Ore. belting KEWQ/KHJ/KSEI around @ 8pm; KYNG-1420 Ore. atop KSTN @ 8:15, KSHA-860 Medford i/KTRB 8:30-8:44pm when KTRB switched to night pattern & KSHA atop for one minute till s/off 8:45, "K-Shay." The sample of the proposed DX log looks like a real winner & I'm anxiously awaiting it. The Feb. 22-25 DX gathering promises to be a gala affair. Some planning to attend are Kenney, Freeman, Schatz, Krejny, Northan, Seaver, & hopefully Reynolds & Wilkinson. Everyone's invited. "Troika," look out for phone calls that weekend. A preliminary for the raid on the BAD Guys' lair in September. 73. Gad, my report in 2/3 DX NEWS was the FIRST one! In all my years in NRC this was the first time (memory prevailing). Is this a good or bad sign, hi. (You were over-due, Don, hi -ERC)

Roger W. Winsor - 739 Noerh Juniper Drive - Valparaiso, Indiana - 46383

I just received word that KPCN-940, Belton, Tex. will have a PoP on SM 2/11, 12-4 CST. I believe CBM is off 3-4am. V/s is Carl L. Knelly, CE, Box 240. Belton Texas 76512

February 17, 1968

D X N E W S

5

Relfe Luton - Route 1 - Box 334 - Elizabeth City, North Carolina - 27909

As I finish my 20th year of good old NRC membership I believe a short report would be in order. At the dial several times during January, mostly SSS & SRS. I can't seem to drag myself out for these early AM sessions. Nice letter from AFRTS-1200 Puerto Rico, for reception of 1/1 explaining setup of the three XRs there. They sent sked for Jan. stating that AHD-780 Raney, carried most of same programs, only my second from P.R. Total power of 72 watts. 730-900-1570 seemed to be the hot ones for SSS, but getting replies seems to be something else. KTER-1570 returned tape & report w/short note on report but no verie. KAIT-900 very prompt verie. KTRY-730 has ignored reports for two years. KIKK-650 will not reply either as I have sent them several reports. However, I have them when they were KRCT at Goose Creek & later at Baytown. This one evidently s/on @ 7am the year 'round. 1/12, very unusual as KTKL-1040 heard @ 9:15am. WFAA-820 at noon & KCTA-1030 all day. 1/24- British Guiana Broadcasting Co. 760 in/out of mess from 6:30-7:15pm, not enough for report. 1/25- Seldon heard & umr CBN-640 all alone 4:35-5:15pm. 1/26- CKBW-1000 another rare one here & @ 6:45-7:45pm, also umr. 1/31- CBN-640 again and at noon! There was no trace of CMQ & also no sign of the ones on 670 & 720. On a recent SM I heard CBL ID on 730, brief pause, then "Ici Radio Canada". Perhaps CJNR. 2/3- Umr KSKY-660 blasting WNBC/WESC 7am s/on. By the way, I am still looking for my first Alaskan. I am not particular & will take any power or frequency. This seems to get more remote all the time. ~~XXX~~ I don't know how ERC gets around that mess of stations in NYC! WNBC WABC WCBS, etc. WABC is the worst here at times ruining 760 & 780. That rr is rough. WLIX-540 sneers WIMV/WETC. 2/1- WHB-710 in for good report 3:45-4:30pm. I might say a word about the NRC Loop. It works beautifully & everybody should have one. I have no technical know-how but built mine as given step by step. It works fine w/this 25-year-old RX. A friend loaned me his SP-600 for several days. It is a very good RX but no better on the BCB than the old ARB. Keep up the good work.

Paul Kilroy - 2113 Fort Davis Street SE - Washington, D. C. - 20020

This week not too bad at all. My thanks to Dave Whatnough for CHWC info. I am hoping TA CX ill improve enough for a few more loggings on the SX-28. v/1- HIOR-880 in 15 days w/pictures, New Year's card w/station picture sent week following. v/q, CBN for #9 province. v/1, HCN for country #21. Heard: 1/30- CKEY-590 3:43am w/ ad for Beneficial Finance. 2/1- WWJ-950 2:03am. WBT off 1:45 & back on, 2:50. 1/31- WBRY-1590 11:55pm o/WAKR. 2/2- Potent OCs on 764 & 925 @ 2:36 & 2:39am. 2/3- I assume Germany-1586 w/three pips & Brahms' Lullaby @ 2am. WOCK-1340 off, 2/3 @ 2:30 & 2/4 @ 3:10/ 2/4- CKLB-1350 3:11. WTAQ-1300 3:18. 2/5- WJBO-1150 12:12am, w/I&C & LSU Al-ummi ad. WCKB-780 u/OC of WBEM @ 1:12 for appznt TT. Modulation distorted but WJAG dcubtful. XEJP-1150 @ 2:40 very strong w/"Programa rock-n-roll". KLFN TEST very nice 3:07-3:30, peaking many times o/XEMO/KONO, occasional fading & missing till 3:30 when KONO took over. KOFO TEST very good on 1220 at tune-in 3:42 to s/off, occasional mixing w/XE. WAPA-680 @ 4:20. WPRP-910 a good possibility @ 4:30. UnID SS 980, @ 4:35 scunded like an XE. 2/6- XEHO-910 @ 3:40 w/ranchero rx. WHAG-1410 heard on 1600 weakly. WHUN-1150 on 1710 w/sports NX u/WHMC. (Double image?? -ERC)

Bruce Reynolds - Route 2 - Warrensburg, Missouri - 64093

Hi. Individual stations may not be as friendly as they used to be, but I've found the networks are still friendly. I sent letters to all four, asking for station lists to be used in the new NRC Log. All answered promptly, two by air mail. ABC sent 84 pages' worth of stations lists for their new multi-network set-up via airmail at a cost of \$1.20! DX: 2/2- WLCX-1490 atop channel @ 1:02am w/rr. MM 2/5- KIFN-TEST through heavy XEMO/KONO QRM for a welcome new one; LR3-950, R. Belgrano, was heard for my first Deep SA & cuntry #27 from 4:10-4:25am; Mexican w/US rr & "Radio Exitos" IDs through WMC-790 HI around 4:45am (I think it was CERC), YVLW-890 @ 5:05am & WSJS-600 finally heard @ 6:05am. Veries: v/1- WTZE-TEST (mine was the farthese West report), WDEL (state #44), thanks, Joe!, & CHCO. v/q- CHEX (on MM 1/15 for storm). v/f- KPRO (for 2/13/67 report) & KMNS. v/c- KNWS. Totals: 1,206/563. 73 for now.

Richard Mall - 606 North Hite Avenue - Louisville, Kentucky - 40206

Veries of late are 4VEC by v/q for DX of Christmas AM, WIS by v/1, WBAP by rather large v/q, & KLCN by v/q. My DX totals are now 220/195, 32/32, 10/9 countrises, and 4/4 provinces. Can anyone tell me how well the Hamarlund HQ-100 performs? I'm thinking of getting rid of my Hallicrafters S-108, & purchasing an HQ-100! Well, god DX & 72. How does ERC DX w/all those NYC locals? I'm puzzled!

February 17, 1968

Ben Dangerfield - 202 Governor's Drive - Chester, Pennsylvania - 19013

I sure haven't contributed much this season, but I still get as much enjoyment as ever in reading Musings every week. It's the personal touch that counts! Going back a little bit, here are some of my loggings: 12/29- I guess the soft rx station heard on 1331 around 7:50pm was the RAI ANer, now apparently back on 845k. I never could tell for sure. 1/13- KWMT-540 right on top w/good signal before & after 6pm. At 11:10, CBD-1110 was behind WBT, & CBI-1140 was just back of WRVA. 1/14- WQIZ-810 was way o/WGY @ 5:10pm, while WKYB was atop 1000. The mid-January flurry of TAs on 1/15 & 1/16 was interesting, but completely unproductive for me as nothing new was heard. Typical of high sunspot years, the TAs were pretty well confined to frequencies from 1187 to 1602k. And even then, to the more powerful stations. Vienna-1475 & Prague-1286 were good, but Monte Carlo-1466 topped them all just after midnight. On 1/21 @ 6pm, Radio Carupano, Venezuela was well o/the usually dominant WBT on 1110. Same night, CMKF, Guantanamo, Cuba, on about 1291.5 was heard before and after 7pm w/IDs & a female CJ in EE. At 10:45pm, CBT was atop 540k, so apparently $\frac{1}{2}$ the signals were coming from all directions. On 1/28, between 1-2am, I picked up a station w/a barn-dance type program on 1560k. No clear ID, but sounded like KMPC. Very few announcements, so I couldn't tell. Langenburg-1586 was tremendous that morning, & was most impressive playing "Anchors Aweigh" @ 1:43am $\frac{1}{2}$ shortly after the Pueblo incident. MM 2/5: The TEST from KIFN-860 was logged at 3:59 through KONO/CBH, & KOFO-1220 came through nicely from 3:45-4 despite HJKR's strength. Only success all season on Specials. I will try for WSAJ-1340 very hard. From 1940-1942 I attended Grove City College & lived a couple hundred feet from the XR. Fred Van Voorhees was on the staff. Then, as now, they broadcast two nights a week, plus chapel on Sunday, & an occasional game. I believe WSTV shared time w/WSAJ then. Memories - and 73s. (WKRZ shares with WSAJ now -ERC).

G. Harley DeLeurere - Box 233 - Elk Garden, West Virginia - 26717

In today's third mail I received a v/1 for my 1/30 reception of WETT-1590, Ocean City, Md, with this PS: "If you know a first-phone announcer, we're looking for one." So if one of you first-phone announcers wants a job at WETT, write to Mrs. Leonard F. Grazier Jr., WETT Radio Box M, Stephen Decatur Hwy., Ocean City, Md. 21842, or phone then at DDD 301, 289-6770. Ocean City is a seashore resort town in Worcester Co. on the Eastern Shore of Maryland. Only two other veries have been received here of late: WSJC-810, Box 426, Magee, Miss. 39111, & KLEO-1480, 6610 West 13 Street, Wichita, Kans. 67212. In the second mail today I received my 1968 BYB. Many of its listings are outdated. The rest of you have probably discovered the same. I can see though why it's now \$10 rather than the old \$5 rate. Comparatively speaking there just isn't much advertising in it. I would prefer more advertisements & a lower price tag. Well, I'll close now. Elk Garden High has a BKB game w/Southern Garrett Co. (Md.) High School tonight, & I have to get ready to go. Mr. D.C. Loughry, owner of WFRB-560, Finzel, Md. said he was granted a cP for a station in Brownsville Pa. He hopes it's on the air b 6/68.

Rick Evans - BOX 718 - Gary, Indiana - 46401

Well, gang, I picked up a new RX on Monday & have been trying it out this week. It's a Hammarlund HQ-100ac. It seems to have a few images, though. DX: WMPS-680, Memphis, 8-8:11am. WIDG-940, St. Ignace, Mich. TT 12:05-12:15am w/IDs every two minutes; WHAS-840, Louisville s/on 4:58; WPLO-590, Atlanta, 6:02-6:18am w/c/w (ERC rx); KIRA-1010 Little Rock very poor 6:45am, WATI-810 Indianapolis s/on 7am unnn, WKIS-740 Orlando, was a big surprise @ 7-7:15am when even bigger surprise WBAW-740 Barnwell, SC s/on 7:15 but unable to get enough. Down to the Post Office again, then back. I heard KSKY-660 in Dallas from 8:25-8:45am w/religious programming. (What date on these, Rick? -ERC) 2/8- WNOX-990 Knoxville, 6:05-6:00 o/u WITZ in Jasper, Ind. WAPI-1070 Birmingham, was noted when WIBC-1070 Indianapolis completely missing, then a short ID apparently from WDIA in Memphis, in, then back out. Veries since last Saturday: WRVA WSME (state #38) KMOX WWJ WBAL WHAM. Totals now 545/179. I swung my verie from WSME this way. I sent a photostat of my original report along w/a covering letter & enclosed a Ppc. It was returned postmarked North Berwick, Maine. Please excuse my ignorance, ERC, but what is a v/r? 73. (v/r means a verie written or typed on your own report -ERC)

IT ISN'T REALLY TOO EARLY TO BEGIN THINKING ABOUT THE LABOR DAY WEEKEND, AND THE BIG NRC CONVENTION IN BOSTON. PLENTY OF FUN IS PROMISED- WILL YOU BE THERE?

February 17, 1968

DX NEWS

7

Doug Lemerson - 107-13 118 Street - Richmond Hill, New York - 11419

I finally passed the 900 heard mark. DX not bad of late but not too much of the wanted long distance stuff. 1/30- WLBG-860 Laurens, SC w/TEST from 2-2:30am. 1/31- @ SSS, WFIG-1290 Sumter, SC briefly @ 6:07pm; WVOW-1290 Logan WVa w/NX @ 6:14, CKEC-1320 New Glasgow NS c/w @ 6:33. 2/1- CHRL-910 Roberval Que. w/12:05am s/off, WYTI-1570 Rocky Mount, Va. w/ET/TT @ 12:09, WPTS-1540 Pittston, Pa. ending r/c-TT @ 12:13, WRBC-1300 Jackson, Miss. w/2:05 s/off. 2/3- WPHN-1560 Liberty, Ky. w/ET/nx of the c/w variety @ 12:25, XEUN-860 running some sort of ET @ 1:45, WHRT-860 Hartselle, Ala. ET/TT w/ID @ 1:50, WCBY-1240 Cheboygan, Mich. w/r/c-TT @ 2:04. 2/5- XERB-1090 Tijuana w/religion @ 2:09, WRNC-1240 popped through @ 2:14, they're in Raleigh, NC, KOFO-1220 Ottawa Kan. w/beautiful signal on their TEST @ 3:03, HON-1501A Colon Panama w/EE records & YL DJ also in EE but badly garbled. What's the power on this one? WWOK-1480 Charlotte, BC w/sports report @ 4:45, then @ SSS, WDJS-1430 Mt. Olive, NC @ 6pm s/off w/WNJR nulled. 2/6- WSWN-900 Belle Glade, Fla. w/ET/nx from 1:20 till 1:50 s/off, WSCN-860 Henderson, Ky. @ 2:32 w/TEST & fair signal. I gave him a call & he seemed surprised to make it this far. PRA3-860 Rio w/RS @ 3:34, @ SSS, WQVA-1530 Quantico Va. w/5:45 s/off. 2/7- WIDG-940 St. Ignace, Mich. w/f/c-TT @ 12:22, KFMO-1240 Flat River, Mo. ending r/c @ 1:44. At SSS, WEVA-860 Empriai, Va. w/5:45 s/off. 2/8 WESN-1270 Dover NH on late w/DX for "Radio Club of America" (?) @ 2:43 past 3:00, WZCK-1320 Jacksonville w/r/c/nx @ 3:21 past 3:30. 2/9- Unk K-tester on 1220 w/TT & nx & ID mentioning 1,000w @ 4:55, anyone know who? WWNR-620 Beckley, WVa. w/sports report @ 5:15 through WVNJ's OC. Veries: v/1- WSPF & WPTS. v/f- WJJC & WDKD. CMs from WSPF & WJJC. Totals: 922/306; 44/40, 9/8, 29/11.

Roger W. Winsor - 739 North Juniper Road - Valparaiso, Indiana - 46383

The Valparaiso Night Owl is at it again, eight new stations heard this week, & six veries, so here goes. 2/3- Not much heard, WBRN-1460 noted w/r/c 1-1:15, so is new time for r/c. Also WIRV in well w/TT o/WSHN/CBE, all unnn. KEYD-1220 heard @ 2am w/closing ID mentioning on for 15 minutes. Good signal, but unnn too. WSOC-930 in well 2:20-2:40, but never sent report, hi. Later that AM WWWF-990 Fayette, Ala. in good at SRS @ 7:31-7:40 w/a jillion PSA! 2/4- Newie WOZK heard @ 6:30 s/off, leaving 900 clear for WDDT. KAIM-1290 & KLPW-1220 both in well @ 6:45 s/off, so Mo. was in well. 2/5- Often tester WAAO-1530 heard @ 1-1:15, unnn though. WQUA-1230 heard @ 1:13 s/off. While on 900 listening to CHNO s/off o/CHML @ 1:18, c/w nx noted. It turned out to be new one WSWN in Belle Glade, Fla. w/ID @ 1:24. Another ID heard @ 2:28 just b chance. KFAX-1100 finally heard @ 3am ending PSA show, but SS too much. KOFO-1220 in like many large bricks during 4-4 period. Also I logged KLFN-860 w/increasing good signal 3:18-4:02 s/off w/interesting show. Thanks so much Jay. 2/7- TAs in, Nice-1554, WDR-1586, Monte Carlo-1466 & brief audio from Veronica-1560 for country #34. I wonder who that OC is on 1570 that is on every night AN? Loops WSW/ENE. WCIB-1220 r/c logged 2:21-2:30 s/off w/piano nx. 2/8- WTSN-1270 on DX very well 2:30-2:56 for complete logging. Much appreciated, as only WHEB heard here from NH. 2/9- c/w nx on 1500 turned out to be WDEM Macon, Ga. on ET from 1:43-2:01 w/many IDs o/u KSTP. KFJM-1370 heard on f/c 2-2:15 again, so that too is a r/c. 2/10- KNLV-1060 barely u/KYW 1:10-1:20 on r/c, I will re-listen to tape to see if I will report then. CBL off, leaving KRMG/KCBS & Cuban. Log on KRMG 2-2:30. UnID TT on 1530 most of the AM, I wonder who. Veries from the follwing: WCBL v/1, KOSE v/1, WSME at long last scribbled v/1 on continuity sheet, KTCN w/ mention of PoP 2/11. I hope some heard it. WWWF & WTCB, both Ala., both 990, both the same day, both v/1. Now 653 veries. I'm probably o/30, cut it if you wish, Ernie. (Not quite -ERC)

Jeff H. Ross - 125-12 Cronston Avenue - Rockaway Park, New York - 11694

Howdy! Recent DX is as follows: 1/22- WCHA-800 Pa. @ 5:04pm o/u WSVS Va., WBCI-740 Va. @ 5:13; WEEB-990 NC @ 5:30 s/off. 1/23- WAMO-860 Pa. very strong @ 5:11pm. 1/24- WGBI-910 Pa. @ 5:21pm. MM 1/29, CX not bad w/the following: WABB-1480 Ala. @ 2:06am, WSAI-1360 O. @ 2:22, KDCN-1460 Cal. in/out from 2:25-3 s/off, KONO-860 Tex. S-9 @ 3:49. 1/31- WLBG-860 SC unnn @ 5:44pm. 2/3- Unnn WEAS-900 Ga. @ 6:08pm, two reports & still no verie, unID s/off-730 @ 6:15pm, entioning 6:30 s/2n, unnn WKKO-860 Fla. 6:14-6:16:45pm s/off. UnID s/off-900 @ 6:28:20 mentioning 1,000w, & 6am s/on, unnn WIMG-860 Ga. @ 6:31, unnn KYAM-990 Tenn. @ 6:35. 2/6- UnID s/off on 730 @ 5:59 mentioned 7am s/on, unnn WNOX-990 @ 6:05pm. Veries: v/1-CM: WCHA WAMO, v/PP WBCI, v/q-CM WGBI, v/1 KDCN. So far Feb. hasn't produced any new catches. I hope DX doesn't fall off until next season as it did last year, hi. Have any of you guys (P/8)

(Jeff Ross) gotten veries out of WAXE-1370 Fla., WAAO-1530 Ala., WCOV-1170 Ala., WRFS-1050 Ala., or WEND-1580 Pa.? Well, that's about it, so 73s until some DX rolls in. By the way, wasn't Carmine Ianucci formerly the CE of WMNS-1360, NY?

Walt Breville - 9127 Coral Drive - St. Louis, Missouri - 63123

DX has been quite slow this season, but in addition to bad CX sometimes, I just haven't been able to do much listening during the "prime time" of midnight to 3am what w/having to get up @ 5:30am every day for work. And still no foreign DX caught that's worth reporting to the Admiral. Some veries arrived lately from that brief DXing spurt in January though- v/q from WDAK Ga., v/r from WSJS NC, v/l's from KDWA Minn., KGYN Okla., KAFE NM, & TESTs KRBC WMMK WNFL KOFO. Also a CM-type verie from WLAK Fla. Lat st loggings: 1/17- WONA-1570 Miss. 6:10pm, WLUX-1550 Ia. 6:25pm u/ WOKJ. 2/2- WFMH-1460 Ala. 6:30pm, KTRH-740 finally o/KRMG/CBL, @ 7pm. 2/4- I finally was able to hear KILT-610 in Houston good enough for report @ 2am through WSGN, something I never could do while JAC was there. (He has a very soft voice, Walt - ERC) MM 2/5- KGA-1510 Wash. #5 was in just barely o/noise w/rr 1:50-2am, KOFO-1220 TEST in well, no sign of KIFN-860 TEST. I just added a hi-fi system to the shack - a Sherwood S-8800 140 watt FM RX & AR-4x loudspeakers. FM DXers, beware! I'm off the soapbox kick now except to say: BE AT BOSTON next September, and a year after that, SEE YOU IN ST. LOU. 73.

Dave Fischer - 5039 South - Lincoln, Nebraska - 68506

Each station I log, I want to report it at least once in DX NEWS. So to catch up, here's a few (by states as usual): Neb/- KRNV-1010 KNLV-1060 KOOO-1120 KRGT-1430 KRNY-1460 KITT-1510 KGMT-1310 KBRL-1300 KJSK-900 KOZN-660 KJLT-970. ND- WDAY-970 KFYR-550. Iowa- KAYL-990 KSCJ-1360 KRNT-1350 KJAN-1220 KBOE-740. Kans- KRSL-990 KMAN-1350 KUDI-1380, KLSI-960 KEYN-900. Tex- KCMO-860 KHTT-790 WFAA-570 KERP-920 Mo- KATZ-1600 KUSN-1270 KBIL-1140 KWCC-930 KGBX-1260 KBOA-830. SD- KELO-1320 KS00-1140 KUSD-690. Ohio- WRFD-880 WKRC-550 (my old friend!) WTVN-610. Okla.- KOME-1300 KSEC-1750 KALV-1430 KGLC-910 KBYE-890. Fla.- WSUN-620 VOA-1180. NY- WLAM-1180 WPTR-1540. Mich- WRNX-1210. Tenn- WDEF-1370 WYXI-1390, WATE-620. Ill- WPEO/WCIL-1020 WIBV-1260 WILY-1260. Ia- KWKH-1130 WLSU-1280. Cal- KFI-640 (Yeah, I heard it too fellas). Ont- CHIR-730 CKLW-800 CFRB-1010 CFCO-630. Ky- WAKY-790 NM- KOB-770 KCGM-610 Ga- WDMG-860 WMAZ-940 WVOP-970 WPL0-590. Ark- KFSA-950 KHOZ-900. Pa- KYW-1060. Man- CKLM-730. NC- WWIT-970. Minn- WEBC-560. Miss- WRBC-1300. Col- KFKA-1310/ Wos- WFHR-1320. Hawaii- KORL-650 KHVH-1040. DX: SRS-725 XEWA-540 YND-675 YNX-750 TGJ-880 HJED-820 PJB-800 XEQR-1030 & ARM, CMQ-640. And that's not all! Any tips you want, just drop a line & you gottun. This SS stuff fills the band most evenings. MM 2/5 all the antenna coils in Lincoln needed to be water-cooled, KORL was so strong! If you need Hawaii it's easy - try SM on 1040 from 3-4:30am & MM 650 3:15-4:45am. ZBML RJR & JBC in here too. Four BCB Baggers in Lincoln now. DXNBCNU!

Harold S. Williams - 50 Third Avenue - Seymour, Connecticut - 06483

Because of illness in my family, not much DXing or Musings, but here goes: 1/29- Neither KALV-1430 nor KRNR-1490 heard on DXes. Too much QRM! 1/30- After CJBC-860 s/off @ 1:06, I thought I might get needed WLBG on its TEST but CBH covered the frequency & even the loop couldn't null them, drat! (They were on 2-2:30, Hal -ERC) 2/3- If unnn WIRV-1550 was on from 1-1:30 they sure did not get in here. 2/4- On a Sunday afternoon, I took 30 minute logs as f/ups on second & third reports to three daytimers, WLIX-540 Islip, NY, WIMS-1000 Leoninster, Mass. & WCDQ-1220 Handen, Conn. WLIX made an appeal for canceled stamps & I sent an envelope full! I am keeping my finers crossed, hi. 2/5- Surprised @ lan to hear WCGC-1270 Belmont, NC all alone on the frequency, but unnn of course. 2/6- Another REAK surprise, needed KVOL-1330 Lafayette, Ia. f/c-TT w/two good IDs 1:22 & b130. Unnn WHOT, Campbell, O. then took over, hi Jerry Starr. Unnn WSON-860 Henderson, Ky. heard I&C after 2:30. Veries? Well, I haven't received any since last report but all Specials reported have veried except WPHN-1560 on 1/22. 73.

Lewis White - 4 Mansfield Road - Trenton, New Jersey - 08628

After a long absence I've decided to Muse again. DX hasn't been too spectacular but seems to be improving. 1/16- WKIG-1580 @ 5:44 s/off, WYOU-1550 @ 5:47pm on RS. 1/29 KSTP-1500 @ 2:45am on RS, also noted this MM unnn KGBS & an image of WABC testing w/ jingles on 650. Has anyone else heard this? (Yep - heard here -ERC) 2/2- WIRV-1550 heard on TEST @ lan & at 1:30, WSHN-1550 in Fremont, Mich. in for an ID. WRAP-850 @ 2:40am w/R&B mx, WCOG-1320 w/rr, u/WJAS. 2/6- WELS-1010 @ 5:45 s/off w/WINS (P9)

February 17, 1968

DX NEWS

9

(Lewis White) nulled out. 2/7- WCTK-1600 a booming signal @ 7:30am. Verie in from WINU. Reports out to WINX-1600 & WCMS-1050. Oh yes, on 2/2 local WBUD again TTed without ID in case you might have heard then. Anyone interested in tapesponding write. I am looking forward to NRC Log up-and-coming. 73.

Dave Whatnough - 284 Main Street West - Hamilton, Ontario

DA lately has been pitiful. Too sleepy to concentrate on dial twisting. MM 1/22- WPHN-1560 obviously not on the air. The rest of Specials impossible anyway. 1/26- I stayed up for KIBE-1220 but after CJOC s/off @ 3:03 w/GSQ, the channel was blank. One thing heard on 1550, WSAO r/c-DT L&C clobbering CBE. 1/29- No KALV-1430, just CKFH. Only log was WCOP's PoP test 1:30-2:30, sent report for second try at a verie. 1/30- WLBG-860 Laurens L&C. Who was the climax u/then; Cuba? 2/1- KSJB-600 topping frequency. No sign of WMT/WIAC for a change. WGR-350 off, KFVY/WKRC fighting it out. Veries only six in two weeks. v/q- XEMO. v/r- KXRA. v/l- WRIE WAPO WEEB CHIQ. I guess at the NRC Convention in Boston tours of WAAB & WRYT will be arranged so we can raid the stations for our veries of last year's Specials, hi. I don't know if I mentioned that Burlington-1090, lkw. daytimer was refused, because DoT doesn't want daytimers in Metro areas. Two other Burlington applications, one by hockey player Andy Bathgate for 1570, 7/4 lkw. 24 hours & 960, 1 kw D, 500w night. I hope both these applications are turned down also. 2/3- I tried for WIRV-1550 but just CBE there. Were they on? I sure hope KIFN & KOFO make it. 73s & C U N 14.

Bill Stone - Scuffville, Ontario

2/5- WDEL-1150 Wilmington, Del. had channel all to himself, from 12:10-12:33 s/off. There was some station testing w/TT on frequency - never heard an ID. At 12:55, CKOC cut in w/mx, & gave ID @ 12:58, & repeated ID @ 1:02am. TT all over the dang dial, 1410 1500 1510, strong one u/WKBW-1520, 1540, 1550, 1570 & 1590 - never heard an ID on any of them. 2:05-2:30, WIRL-1290 ruling channel - strong TT on this frequency no ID though, period 2:05-2:45. Up to 880 for KIFN - nary a peep into here. At 3:00, up to 122-, KOFO was real easy, 3:15 to bed. Now as I'm typing this, I'm tuned to 1590 - #1 is WBRY, #2 is WTVB, #3 is a TT & he's been on there since 7pm, it's now 8:07. Also another on 1580. & under WCAU another - I thought this was illegal. (They could be hetrodynes vron Portugal 1578 & Cuba-1209 -ERC)

John Gifford - 1408 South Grove - Urbana, Illinois - 61801

My Hallicrafters S-118 has just been repaired & is back to its original state of mediocrity, great on selectivity (due to a mechanical filter) but poor on sensitivity. However the Feb-Mar Radio-TV Experimenter describes a \$6 component put out by Lafayette containing two IF stages & a crystal filter that can easily be installed in your RX. How about an "Ask the Experts" column in DX NEWS, where the experts would field questions like "What type of electrical interference are noise limiters effective against?" "What alterations or additions could be made to improve my RX?" "Is there such a thing as an inverse Aurora where S stations are blacked out & N reception is improved?" or any other question perplexing the CXer, however naive it may seem. When the question appears & is answered, several others probably had the same question also & they are helped too. Could someone come up w/a correction list for the WMWG? I agree to an extent w/R. Wood in that we should keep a total of those veried or logged on RS & a different list including both those on tests, f/c, & RS. DX: 1/18- WODD-1310 9pm said AN; another c/w station calling itself the "Country Giant." 1/19- WOSH-1490 Wis. 12:57:45am s/off w/20 seconds of mx then SSB. ??-1490 1:03-1:15 TT, ID @ 1:15 sounded like WPIC; who? WCRW-1240 Ill. 6:30pm EE ID then back into SS. WSDR-1240 Ill. 7:05pm NX. 1/20- CJRL-1220 Ont. 1:10 $\frac{1}{2}$ am s/off-GSQ, KUSN-1270 Mo. 1:13 $\frac{1}{2}$ "KUSN St. J., Mo. now leaves the air after a brief period of maintenance." 1/20 also signals noted on 1385 1402A 1415A & a strong het on the low side of 1540, the one on 1385 probably OC of PJB2, but whose OCs were the others? These were heard 1:30-2:30am. 1/21- Ocheard on 1415A again, this time @ 1:20, KFPW-1230 Ark. "We're going to be here until 5", ??-1241A 2:33am in SS, is this a Mexican? WYSL-1400 NY 3:26 $\frac{1}{2}$ am, ??-971-972 10:16pm in SS, strong on many good nights to S, but I can't get any IDs due to 970-splash. 1/22- WOWL-240 Ala. 12:21 $\frac{1}{2}$ RS. ??-1230 12:30 s/off-SSB, who? WXCO-1230 Wis. 1:18am w/TT, KICK-1340 Mo. 1:25am stating AN, KPDN-1340 Tex. 1:20am tunein-1:30 r/c, WLCY-1380 Fla. 2:33, one of its many MM OC ETs, KTOP-1490 Kan. 2:01 s/off for maintenance, WSAO-1230 Ind. 2:35pm w/WBOW/WJBC looped. 1/24- ??-1400 1:15am TT gave ID twice, sounded like KWSW; TT on 1:40-1:46, who? ??-1240 11:30pm s/off-SSB, who? Graveyard logs static at 150. 73.

February 17, 1968

Robert H. Hostettler - 417 Irving Street - Lake City, Minnesota - 55041

Greetings! DX lately has continued to go downhill, but I've still got a number of fairly good catches to report, as follows: 1/28- WCLR-850, Crystal Lake, Ill. @ 5:22 pm; KOLT-1320 Scottsbluff, Neb. @ 6:11pm u/XELO; KBTC-1250, Houston, Mo. @ 6:04pm, u/WEMP/WREN. MM 1/29- WGEM-1440 Quincy, Ill. till 1:25am s/off; KIZ-560 Denver @ 1:34, KGA-1510 Spokane @ 3:05; WLCY-1380 St. Petersburg @ 3:40 w/ET/OC; a Radio Mundo s/on on 580 @ 4:29 o/CFRA/CKY in SS, is this WKAQ? (Yes -ERC) KWYR-1260, Winner, SD; @ 6:06pm; KBHB-810, Sturgis, SD @ 6:31pm way o/WGY w/KCMO looped out, c/w nx; CHNO-900 Sudbury, Ont. surprisingly good o/CHML @ 6:58pm. 1/30- WLBG-860 caught on last three minutes of TEST well o/XEMO. WJMS-639, Ironwood, Mich. @ 5:35 till 6:11, real rough u/KDWB; earlier that day @ 12:40pm CST, the following were noted w/good signals: WWC-1190 WJMS-630 w/KDWB looped; KMOX-1120 KVOG-1170 WHAM-1180, a couple on 880, likely WRFD o/WCBS; CJBC-860 u/KNUJ; WJR-760 CBL-740 CHYR-710, then the real shock on 1/31 when at the same time of day I was getting a readable signal from WBZ-1030! On 2/1 not even WOWO could be heard. 1/31- KTUFp1580, Tempe, Ariz. @ 7:17pm; SRS-725 from 8:15-8:30-m & from 19-10:30pm s/off; unID LA QRM & WGN/XEX splatter, but somewhat copiable; language seemed to be generally EE, but w/a heavy Dutch accent. MM 2/5- I missed KIFN/KOFO TESTS by oversleeping; WELO-580, Tupelo, Miss. @ 4:59am s/on-SSB; another SSB heard u/then @ 5am; unID ESTer-630 @ 4:32 o/KHOW, but faded down quickly, WMAL? Anyone know if CKRC is still AN MM? I've not heard 'em in many weeks; KOOL-960 Phoenix @ 5:12, w/some QRM from CKWS; local KDWB-630, St. Paul s/on @ 6am w/no SSB; right into a farm program. 2/6- I overslept again, missing the WSON TEST, darn! 2/8- KUDJ-1380 @ 1:20am, no WISN DX heard here thanks to CHAT/WXYZ/KFJZ; unID opera-like nx on 1550 @ 2:19am u/CBE OC & WOKJ, KKHI? Veries: WRCO v/r; KIRH v/l; KIXZ v/f/CM/SC; v/f said they can't radiate more than TWO watts toward the Mexican border, from the Gulf to the Pacific at night; WITY v/l-CM; WKID v/l; KVI v/q; 4VEF v/q & literature; WCLR v/l-CN; Barbados-780 v/f; WGY v/q; CM; WLCY PP/c, KBHB v/l & a mini-map on stationery; KWEB-1270 Rochester is still not on the air fulltime; I'll try to find out their target fate soon, if I can. I'm no coubt near that thirty-line limit so I'll s/off. 73.

Ralph Johans - Buffalo, New York

As they say "Kunghaifatchoi" ('gung-hay-fat-choy') in Chinese for this Year of the Monkey, 4666. Here they only have Monkey rrs & the veries're doing monkey-shines. A couple of 'em escaped somehow & finally a new YL @ KWLA-1530 took over & tries hard to get all 'left-bhinders' out, v/l & CM, they serve the Toledo Bend (not O-hy-Oh!) country, as Sabine Bg. Co. in Many La. Finally the Pennington Gap, Va. WSWV-1570 came alive (three reports since '61) & got a v/q out & signed by CE & SM for r/c off 2/3 heard & say r/c first Sat. @ 3:30am. An OK v/l by CE of WVAK-1560, the VAK is the new mgr., Mrs. Virginia A. King, Paoli, Ind. 6am is s/on, yeppy-hi-ho, WQXR/WTOD/WINS are there also on weekdays. Alan Merziman, a ppsible TEST here!) A new school-radio station WSFH dod. spje "first" on-air broadcasting on 650k, licensed by FCC for St. Francis HS, Athol Springs, NY; Mel Lwczarczak is TD. Tje daily program is confined to the campus area & FM is contemplated later on (I don't know their power/ or sked, W.H. & C.R. are closer to him. 2/5- KIFN-860 TEST had XEMO RS & CBC-er, but nanged after 3:35 to top KONO, then lost 'em at 3:58 in Mexican & CBC QRM. KOFO-1220 YEST was OK, TT/IDs 3:13-3:35 when I took KIFN; TP on 1090 IDed @ 4:30am, may have been r/c by WGOC, Tenn. 2/8 had WKBW s/off a while but OC & RS back 3:15am; WISN-1270 DX had loads of WXYZ yak & looped 'em 2:24-3:03am s/off. You music lovers, do you know that a "B-Flat" is an Apiary? Yes, honey - it is. 73. (That STINGS!ERC)

Gary Peterson - 3705 N.W. 70th Street - Oklahoma City, Oklahoma - 73116

Hi! Not much DX done here lately, but a few veries: v/l- KOMA KVCL KXOL KALV (not on Special) KRYS KDCE KIJV KNAB KGBX WRR WBBZ KSOO KAFE KBYE WXCL KVGB CKBI WABD KREK & KWOE. v/f- KGA CJOC CJVI. v/q- KIXZ (Thanks, John Tudenham!) WFLA KWHN WPMJ KALL. v/CM- KWEW. What little DX I've done lately - CKBI-900, @ 2:05am s/off on 1/19. Also, on 1/20- WKXV-900 @ 12:30am w/ET. 1/27- WABD-1370, @ 1:50am w/r/c. KWEW-1480 also noted @ 2:01 w/r/c. That's it! KIJV says that the conduct of a "test transmission" on the second MM from 1:00-1:30am EST. In case anyone is wondering what happened to his KOMA verie, send a f/up to John Timm, CE. Due to lack of time almost all KOMA reports went into the trash, & were not verified, in the past year or so. Mr. Timm will send all the reports to me, & I will verify all GOOD reports. Please include return postage. 73.

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DX NEWS

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Art Fregeau - 66 Locust Street - Box 934 - Bristol, Connecticut - 06010

Hi, all - yep, I'm still around although I haven't been in these pages since 1/11/64. Since then I've logged only 67 new stations. To say the least, I'm not very active. Best logging since last Musing I guess is WNAD-640. To recap briefly, I'm 28 years old, was married on last 4/15, work as a frameman for the local telephone company, & a freshman at the U. of Hartford night school. As for equipment, the RX is still an HQ-180C, the antennas a 50' longwire, 35' above ground, & a 4' loop as per Poptronics, 1/65 w/the exception that two separate tuning capacitors were used instead of a single ganged unit. Each capacitor has two similar sections. I seem to have misplaced the plans for the NRC Loop - I'd like to try that one out also. This loop leaves a lot to be desired in the way of directivity. Totals to date: Stations 827/211; states 45/41; & still trying for Alaska, Hawaii, Montana, ND & Oregon. Countries 21/9. Reports are still out this season to WGOH-1370 Ky.; KOFO-1220 Kan.; WSON-860, Ky. Veries this season from WFRM-1450 Pa.; WAGL-1560 SC; CJOY-1460, Ont; WKMK-1000 Fla; WNFL-1440 Wis. You probably noticed most of these are DX programs put on for the Clubs. There's still no sign of WOWW moving to 1380 from 860, nor any sign of new WRKV-800. For those desiring a book of ZIP codes, there is one available from Larron, Inc. but the address of the company is not given in the \$1.00 copy. It has nearly 50,000 listings, all 50 states & possessions, w/all main stations & branches cross-referenced. The book has a bright red cover, has 128 pages, measures 10 1/2 x 6 1/4 inches & includes a handy area-code map on the inside rear cover. It was found in a local discount house (Bradlee's Dep't Store) but if any one needs a code & can't locate a copy of this book, just let me know & I'll let the code for you. I guess that does it for now so 73s to one & all. Oh, as for the dues increase, I'm all for it. An official log would be handy - it would be easier to keep it up to date since all changes in station data could be listed in one specific area & referred to specific areas of the log to make the necessary changes. Also any increase in the technicality of the issues would be welcomed so as to further increase the amount & prediction of loggings. 73s again.

Vinny Cavaseno - 111-20 124th Street - South Ozone Park, New York - 11420

DX: 1/19- WOI-640 @ 7am s/on, KSD-550 @ 7:04am. 1/26- Sub-BCB DX, I noted the following two Unlisted beacons: 525k "BE" & 530k, "FZ." Anyone know? KFI-640 in loud enough for a copy @ 1:56am. Same day, later on @ 6pm something on 640 IDing as "College Radio". I couldn't get anything else. Then @ 6:15pm an FF station, no Cuban audible. 1/27- On 1560, a TT from 2:20-2:50am turned out to be WSMO, La Plata, Md. Another surprise in XEVIP IDing @ 2:29am as "V-I-P Radio." MM 1/29- WERE off, unnn WMSK atop 1300, WRUM-790 IDing on test @ 1:55am. WWRL was also off, leaving WCPK Chesapeake, Va. testing w/flamenco guitar mx, ID @ 2:51, later again on 1600, unnn KLAQ & KATZ testing. Then, a real nice catch in KJBC-1150 ET/TT IDing every minute 3:12 to 3:14am. 1/30- WLBG-860 in on their TEST w/a beautiful signal & a real good TEST. MM 2/5- WIFE-1310 unnn but nice & loud @ 1:18, KWKY-1150 TT also IDing every minute 1:42-1:45am s/off, WUBE-1230 on RS o/u WCOL @ 2:05am, CJOE-1290 @ 2am, & then something really wierd: a station plahing the SSB @ 2:13am, any ideas? (Probably somebody in the US, Vinny - hi -ERC) WFBM-1260 unnn ID @ 2:59am, KOFO-1220 on TEST nicely 3:02-3:20am. On trying for KIFN, two other new stations also lgged: XEMO s/off in EE @ 3:30am, Brazilian on 860 also IDed @ 3:30. Finally, @ 3:46 KIFN IDing, & talking about station, then giving SS ID. 2/6- KVOL-1330 r/c per list 1:20-1:30am, WSON-860 on TEST fading deeply, but rising to strong peaks. Same day SSS, WJAT-800 s/off @ 6:15pm. 2/7- WAMI-860 s/off @ 6:30pm. Veries: KFI KJBC WKMK WHOS. 73s and remember, domestic DX is alive & well in South Queens! - No luck on KTCN-940; too much WINZ & CBM (on SM 2/11).

Lon Berman - 1511 Dieman Lane - East Meadow, New York - 11554

Hi, y'all. No new DX this week, but lotsa veries, would you believe, seventeen of them? Tis true! v/c received from 4VEH for their Christmas DX, verifying reception of both 4VEB-890 and 4VEE-1035. v/1 from WFLO-870 & WINC-1400, the former w/CM. v/g received from WJDY-1470, WCSC-1390, & WSAI-1360. Nine PP/cs in this week: WABH-1150 WADS-690 WHMC-1150 WCVL-1550 WNCT-1590 WCHL-1360 WJWS-1370 WKIG-1580 WUST-1120. V/s as well as I could read them, have been sent in also. I received word by phone from Jeff Ross of a PoP from KTON-940, SM 2/11 from 1-5am. They didn't make it here, but thanks anyway, Jeff. Maybe more DX next time. C U N 7.
AS THEY SAY IN RICHMOND HILL, ONTARIO, "CFGM." "CONTINUE FURNISHING GOOD MUSINGS."

Richard L. Coday - Box 5584 - Oildale, California - 93308

Hi! RX HQ140X w/100' LW antenna. I made the 2/3 issue twice, so I can't say I don't
 Muse enough! DX has been spotty as follows: 1/28- 2:30am, KUAI-720 Eleele, Hawaii w/
 NX/WX. 1/29- 5am, KPCI-1380 Honolulu w/1/2 pre-recrdrd program. 6:04am, Bonaire-800 w/
 NX followed by Gen of Melodie program w/S-7. 2/2- 5am, KIKI-830 Honolulu w/TX in
 bell tones followed by NX w/extreme WCCO QRM (still no loop). 2/5- KFQD-759 Anchor-
 age finally in @ 3:30am w/S-6 and moderate static. Religious programs, including
 Billy Graham. 4am, I caught tail end of KIFN-860 Phoenix TEST. Veries in: KFQD in
 five days, KIFN v/1 in two days w/another promised. Thanks, Jay, for info on KMBY.
 I still need to know what a WQXR verie consists of. I have nine reports out in '68
 including all above mentioned Hawaiians. My wife has moved me to a different room
 w/my HQ140X so I'm having to get re-organized. Signals from Hawaii & Alaska seem
 better last couple of weeks, yet no DUs & only faint trace of Orient. No matter w/
 the latter, however, since I wouldn't know what to log or report to. I might add
 that in the four or five months I've been an NRC member, both loggings & veries have
 improved, Specials, v/s column, & Musings are indeed a great aid. As far as I know
 I'm the only one in this immediate area (150,000 population) interested in BCB DX,
 so I will look forward to talking w/other Southern California BCB DXers. 73s.

Warren Rutzahn - 206 North Forrest Street - York, Pennsylvania - 17404

Long time no Muse, but I don't look on it as lack of support of the Club, but rather
 to let room for those who have DX info to offer. Very little DXing here, veries
 slow also, but since last reporting I received KLOE KPUR WPIN WRBD WKIJ CHER CJOE
 WXGI WINE WIOO WKYC WFRA CKKW WHRN CJOY WKMK. I missed three needed Specials by DX
 NEWS arriving too late, so if I ever get hot I'll have to go first class. Dues in-
 crease OK here but I defend the stand of Ray Edge in his reign as those days money
 was tight, many young fellows couldn't afford postage to send out reports & a dues
 increase would have been the end for them. Pop was what the name implied! I'd ad-
 vise any young member now pressed for funds to take it up with his parents as I be-
 lieve a parent will finance a DX activity to practically no end rather than have a
 boy on the streets. My hat has always been off to Ernie for the Trojan job he does!
 Boston leadership is the most aggressive the Club has ever had & I wish them the
 greatest pf success. Should a log be forthcoming I'd sure like to see one of the
 Carroll Weyrich type with room for additions and changes. It was a great log. Last
 MM I savored a bit of the old times as KIFN outcought KONO plenty of the time. KOFO
 also broke through a messy 1220 channel after 3:30. Past Thursday, WISN made it w/
 WXYZ roughing then up. Sat. Eve. 2/3, 4VEF-1035 gave less/on in EE 7:15-7:30 using
 Gospel stories. Seems to be a regular feature & a good time to report. Well, so
 much for my 2¢ worth. I hope to be more active next season & I wish everybody the
 best of DX. (We hope so too Warren, & thanks for the kind words - ERC)

Ernest R. Cooper - 438 East 21 Street - Brooklyn, New York - 11226

One verie, a very attractive v/q, black on white, from WXTR-550. DX Down the Week:
 2/8- I got up for WBLC-1350 r/c, and I got 'em u/WKAT & o/WSAI, 2:01-2:15am, w/DT.
 They're in Lenoir City, Tenn. on Jefferson Davis Highway; hi. 2/9- Up to try for
 WBNT-1310, but not heard. WJBK-1500 noted AN-HI u/WTOP - Dolly is all over the place
 these days. They're not making any money off of me. 2/11- The one I thought was
 near-by directional-way WKQW-1300 turned out to be nobody else but WFBR in Baltimore
 still in there at 9-9:30am u/WELI! MM 2/12, a Holiday, so an all-AM session for me.
 1:02, the Voice of Prophecy program on 1200 wasn't hoped-for TIQ, only WQAI, who s/
 off around 1:35am. Many regular ANs off, like WING-1410 WIBG-990 (for a while) CJMS
 WKBW (for a time) WHN 92-4am). SS on 1410 w/what sounded like a sermon @ 1:35am - who
 is this, a Mexican, I think. W/CJMS-1280 off, I was at last able to log CHAM on AN,
 MoR mx. Then an ET w/hymns from WAKE-1500, Valparaiso, Ind. 2:09-2:30 - either they
 are religious-owned, or they were trying to be heard in Heaven, hi. Then WJBK came
 on w/OC/ET & WAKE still made it through them. Tupi-1040 almost as loud as WGO @ 2:45.
 An ETer on 1090 w/a record that seemed to run down like an old wind-up phonograph @
 4:03, I wonder who this was? Somebody w/OC ET on 1480 IDed "rapid-fire" @ 4:13, too
 fast to catch more than the W. Report on JBC-700 which topped WLW w/TT 4:39-4:43, &
 even w/then 4:45-4:55 w/hymns. It was the only of their four channels (560-620-750-
 700) that was loggable. Unn WBPZ-1230 heard s/on 5am-SSB. SS-860 w/wolf yelps after
 each selection, 5:00-5:29 when CBL started Tting - the end. Second report on HDV-
 1200 RS-SS 5:36-5:57. PM, WSRF-1580 fine to 6:15 antenna change, then in weakly. CUN7.

CONTRIBUTORS: Deadline for mail reports is Tuesday AM, for phone reports, Tuesday PM. Please submit reports in IDX format, EST, preferably on standard sized 8½" x 11" paper; on one side only. Please qualify all assumed or tentative loggings as such in order to minimize errors.

DX conditions continue to gradually improve on TA paths, seemingly as the effects of the Midwinter Anomaly continue to decrease. TA's continue to be audible more often, with stronger signals, and on progressively lower frequencies. The collection of very high powered TA's near the top of the band continue to be heard very widely. In Massachusetts, Sullivan reports, "Cx not really too exciting but a halfway decent TA opening on the top of the band noted AM of 2/10." Raczko, in Ohio, noted the same "opening": "TA cx improved on 2/10, high band TA's again heard." Around the beginning of the month, Krejny in Ohio noted that "Cx continue to be rather good with the high band TA's still in nicely." Conrad, in Kentucky, says, "These openings to Europe are really quite something here... some TA's unusually consistent and steady." On the West Coast, Kenney notes, "Cx continue fair to good - as long as all you want to hear is LA's... a few Pacific stations slipping through but nothing exciting." Freeman, also in California, notes conditions are "unstable." In Jamaica, Silvera says, "Cx are improving." Wood, in Hawaii, is the only member to note really remarkable cx of late, "Cx excellent on 1/31 with stations in the South Pacific quasi-local, US stns on every frequency, Central Americans, loud Asians... Very fine cx on 2/2, with startling openings into the South East Asia." This latter opening of Wood's on 2/2 produced some very fine DX, but seems to have been restricted to that part of the world only. The prediction: improving TA and TP cx, with the current pattern of high band openings moving down to lower and lower frequencies. ECNA receptions of South Pacific and South African will become increasingly likely as we pull out of the Anomaly approach the equinox.

*On Reciprocal Paths. Overseas reception of North American stations continues to mirror the highly unstable conditions noted here. Arctic reports the following receptions from Northern Europe in late January: KMOX-1120, 2115 on 1/21; KSL-1160, 2205 on 1/21; WGWO-1190 at 2210 on 1/21, and WERE-1300, 2235 on 1/21. Quite a few WCNA stations were hrd in New Zealand around the turn of the year, but very few receptions of ECNA stations were noted, according to the NZDXRL. In England, MWN reports that "conditions have remained unstable. Poor to fair in the second half of December, with peaks on 12/25 and 12/31; poor by mid-January still."

*Tristan da Cunha. There is a regular broadcasting service on this South Atlantic Island located some 1500 miles South of St. Helena (and that is remote! Ed) according to Wireless World. It's operated by the resident ham, ZD9BE, but there's no mention of freq given. Now if they had a newspaper like St. Helena does, we'd know...

*Easter Island. The Chilean Air Force is currently operating a MW station at Manuaco; freq unknown. (ARC) What a year for fabulous new stations! (Ed)

*Lebanon. Beirut was scheduled to begin operation of a new 3 million watt transmitter on 2/2; no freqs known yet. (Benelux)

*Taiwan. Work continues on a new 1 million watt MW station. (ARC)

*Mozambique. RCM, new station being built at Beira, to include a 25 kw, 50 kw and 500 kw outlet. Lourenco Marques' installation is installing a 100 kw outlet, and R. Pax in Beira is back on 1295 w/50 kw. (Ginbey via Donnelly via IRCA)

*Masirah Island. Phil Sullivan corrects our item last issue regarding this new BBC relay station. Contrary to our first guess, this will be counted as the Sultanate of Muscat and Oman, and not the South Arabian Federation (the new designation for Aden, now that the British have pulled out). This small island is shown in most atlases as Al Masirah.

*Trucial Emirate of Sharja. Last week's items concerning stns in this new MW country still hold; the WRTVH 1968 Edition is in error in assigning these stations to the Sultanate of Muscat and Oman, according to FBIS. (Ed)

*Russia. According to SCDX, there are now two pirate stations operating off the coast of Russia; the Soviet government reportedly says they are "harmless" and will not put them off the air. Sounds fishy to us - red herring? (Ed)

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*Mauritania. Nouakchott will have a new 100 kw MW xmitter on the air by January of 1969, according to a recent SW QSL from the station. (SCDX)

*Saudi Arabia. According to a letter received, Riyadh will soon commence operation of a 1.2 million watt transmitter. Damman will have a 100 kw MW outlet; four additional MW stns will be built starting July 1968, to be 250 kw. (SCDX) Believe the megawattmonster is the one now operating on 600. (Ed)

*Albania. MWN comments re Tirana's wandering 1214V: "Chinese built transmitter under one year guarantee? If anything like the Czech transmitters in Cuba, watch out. Up to 10 kc/s wander when guarantee is up. Wonder if the builders read too much (or too little) of the thoughts of Chairman Mao, or did they get ahold of his 'Second Thoughts!'" Chairman Mao's discovered planned obsolescence? (Ed)

*Congo Clandestine. The station on 770 used 10 kw and was operated by white mercenaries when they held Bukavu; the station went off the air on 11/8 when mercenaries burned the radio building on invasion by Congolese troops. (MWN) This station was on the air intermittently from August 17th until destroyed in November as reported above. It carried much recorded mx and broadcast in FF, Lingala, Swahili, and Chiluba. ID's were given as "Ici Le Leopard Libre" and "La Voix du Congo Renaissant"; the two FF speaking announcers identified themselves as "Georges" and "Jean". (Ed)

*North Korea. Arctic provides the following program information: 585 is Pgm 2; 625 is Pgm 2; 635 is Japanese Service; 655 is Pgm 2; 684 is Pgm 2; 725 is Pgm 1; 735 is Pgm 1; 785 is Pgm 1; 800 is Pgm 1; 816 is Pgm 2; 849 is Pgm 2; 860 is Pgm 1; 877.5, 932 and 1000 are Pgm 1; 1045 and 1080 are Pgm 2; 1285 and 1335 are Pgm 1. ID on the hour is "Chosun Chungang Pansongguk."

*Nigeria. Schedules from MWN: Benin-638, 5 kw, 0000-0500 and 0900-1600; Lagos-1088, 20 kw, 2330-1730; Enugu-1320, Ibadan-1358, 10 kw, Kano-1376, 1 kw, Kaduna-1416, 1 kw are all same as for Lagos on 1088.

*Cambodia. The new WRTVH gives a nominal freq of 1410 for the high power transmitter currently being hrd on 1434; the latter frequency seems to be a permanent move, however. (Ed)

*El Salvador. National Elections will be held on March 10th; this will be a Sunday and most of the stns in this country should be on all night, judging from past years. (Ed)

*Dominican Republic. This country has now returned to EST; was AST until end of January. (Ed)

*United Kingdom. The UK will switch from GMT to Central European Time (= UK daylight savings time) on 2/18; current bills before the government are expected to block the normal return to GMT later in the year with the effect of placing the U.K. in the GMT + 1 hour zone permanently. NBC news says this is being done to help ease England into the Common Market. (Ed) SHORT EDITORIAL EXCHANGE: one of our members (who we shall call "Anglophile") recently contributed the following lines at the bottom of his report: "So, there I find that I have typed all the times in the only obvious, natural time system an international radio log should use... G.M.T. Now, under protest, I will go through and change them to E.S.T. And so provincialism scores another hollow triumph." Anglophile: I think your sarcasm might be a bit misplaced. Personally, I'd be more than happy to switch IDX to GMT. However I think that this would result in a hopelessly confusing situation unless the entire NRC bulletin switches over uniformly to GMT. So why not write into the Musings and Dialog sections and attempt to persuade the entire membership to make the switch instead of just writing to IDX? If it ever comes to a vote, count me in favor of GMT. And while you're at it, please get NZDXRA to switch from N.Z. time, ARC to switch from CET, and IRCA and NNRC to also switch from EST. In the mean time, don't bother writing me any more about it, I'm already on your side. (Ed)

*Question Corner. Frank Merrill asks, "Do you have an address at which I can contact the Israeli Forces Broadcasting Service?" Write directly to Kol Yisrael, Broadcasting House, Jerusalem; the IFBS is under the jurisdiction of Kol Yisrael. Ralphie Johanns asks, "What is the warbling sound I recently heard around the top of the band on a MM?" Usually that's caused by a local or semilocal running an EC with a squarewave or an overmodulated sine wave; sometimes this racket covers quite a band of freqs. Another possibility, though more remote, is a piece of scientific equipment called an ionospheric sweep sounder. This type of equipment is usually found around Universities and military establishments and produces strange sounds around the top of the band

*Botswana. According to a special item in the New York Sunday News of January 28th, "What was to have been one of Britain's top weapons against Rhodesia - a bush radio transmitter in neighboring Botswana aimed at countering Rhodesian press and radio censorship - is to be abandoned soon as a total loss because of consistent jamming. The radio is still functioning at Francistown, about 10 miles from Rhodesia's western border. It beams special propaganda features as well as normal BBC programs into Rhodesia. The transmitter was erected in the bush under heavy British military guard soon after Rhodesia's white premier, Ian Smith, declared unilateral independence from Britain in 1966. Its aim: to undermine the post-independence confidence of the country's 220,000 whites in their government. It didn't work. Smith promptly ordered jamming stations set up to block off the transmitter. The station has been a costly failure, losing an estimated \$700,000 a year and wasting money which Britain feels it can no longer afford. Britain has a stronger relay station on the mid-atlantic island of Ascension and officials are studying the possibility of having it take over some of the functions of the bush transmitter. Since the station is so much more powerful it is considered less likely that Smith would be able to jam it effectively." Tnx to Bob Foxworth for spotting this item. (Ed)

*Addenda to Identifying the Oceanea Stations (IDX 2/3) from IRCA:

National Programme: (YA's, YW's, YX's, YZ's, also relayed by 1ZA, 1ZD, 1ZH when they have finished local commercial programming) uses time pips on the hour only; noncommercial.

-YC Network: has no gongs or time pips or commercials.

-YD (soon -ZM) stations: limited use of gongs, though can't guarantee Radio "i" from 1YD (0500-0700 EST, Mon-Sat only)

Commercial Network: (all of the stations left after you take away the ones already mentioned) uses gongs, but no sked time signals as far as I know; Commercial Network stns do use four gongs similiar to pips when individual stations are joining in link for a net broadcast from Wellington or Auckland (e.g., news, night trotting, and other sports, also N.Z. Hit Parade over -ZB's, 1XH, 2ZA, 2ZC, 4ZA, "the 8 - station network"). Gongs are not static notes as the ABC stations are, in N.Z. the announcer "ad libs" the notes as he wants!

*Direction finding bearing conventions. As increasing numbers of NRC'ers begin to experiment with DF, there's going to be confusion unless the standard system of nomenclature is adopted. A DF bearing is the angle between geographical north and the measured angle of signal arrival at the receiving site. This angle is measured in a clockwise sinse from North: thus, a bearing of due North is 0°, due East is 90°, due South is 180°, and due West is 270°. Two further points: in some cases the absolute sense is unknown, in which case the bearing may be either B° or 180° + B°; in this event, it's useful to report the observed bearing in the form 65°/245°. Secondly, when reporting relative bearings made with respect to known stations, please report results in terms of the conventions given above, e.g., Barcelona loops farther north than Dakar. When attempting to determine the possible location for some bearing measurement, remember that the paths are great circles which do not form straight lines on ordinary Mercator Projection maps. The line of possible locations corresponding to a particular bearing is best visualized by placing a taut string on a globe. Polar projection maps may be used if they are centered on a point close enough to the DX'ers location so that the resulting error is not significant. (Ed)

*KlutZ Corner. Correct credits in QSL section of 1/13 IDX for 530 and 1475 to (Millar, Wash.) And apologies to Curt Engberg for consistently misspelling his name in a recent issue of IDX.

MONITOR REPORTS . . .

The editor calls your attention to ELBC's move to 630, a persistent mystery on 835A, confirmation of previous exclusive IDX tips re Spanish Sahara-998 and St. Helena-1511, and to Wood's fine Asian loggings on 1275, 1540, 1580, and 1599. A good issue!

529 Switzerland. The Swiss radio authorities announced over a year ago that this Beromunster transmitter would be increased to 500 kw to overcome QRM from the illegal 300 kw Algerian on the channel. (Blodorn, Germany)

- **539 Kuwait. R. Kuwait will soon begin operation here w/a new 750 kw xmitter, replacing the present 200 kw unit. (Benelux)
- 540 Dominican Republic. HICM, R. ABC in for a few minutes on 1/27 just at s/off; my first Dominican stn ID. (Scrimgeour, Ont.)
- 620 Dominican Republic. HISD, Radio TV Dominicana, s/on 0502 1/28; good signal over WSUN. (Raczko, O.)
- **630 Liberia. ELBC, Monrovia now here ex-650. (MWN) No chance for Liberia in NA now; always was a very rough one anyhow. (Ed)
- **650 Alaska. KYAK, Anchorage has requested a CP to change to here from 630; also is seeking to change from daytime to unlimited operation, and to increase power to 25kw from present 5 kw, with DA-N. Info from Broadcasting. (Krejny, O.)
- 660 Venezuela. YVNA fair 0500 s/on 1/30 on 2/2. (Kenney, Calif.)
- 680 Puerto Rico. WAPA hrd 0420 2/5 after s/on u/WCEM. (Kilroy, Wash. DC)
- 700 Jamaica. JBC weak u/WLW 0444-0446; IS and s/on on 1/29. (Kilroy, Wash. DC)
- 710 Fiji. FBC, Suva, fair w/Indian service 1/31 0520 // 890. (Wood, Hawaii)
- 720 Hawaii? Believe HUA1 the one w/Hawaiian mx 0310 2/3; much QRM. (Kenney, Calif.)
- **750 Kenya. Voice of Kenya, General Service now here ex-746. (ARC) Scratch Kenya too.
- 764 Unid. Potent OC noted 2/2 at 0239; who? (Kilroy, Wash. DC) Both Dakar and Sottens should already be on at this time; Dakar has been known to forget and leave audio gain turned way down at times. (Ed)
- ** Switzerland. Sottens plans to go to 500 kw here, according to stn. (Blodorn)
- 790 Unid LA. A "R. Exitos" hrd here thru WMC around 0445 on 2/7; had EE R&R. I'm guessing XERC. Can anyone confirm or deny? (Reynolds, Mo.) XERC has slogan of R. Exitos and is 10 kw, Bruce. (Ed)
- **835. 5A. Unid EE. Mystery on 836 hrd on 2/1 0225-0229 w/religious message by man using American EE; weak and barely readable thru QRM, was hrd to say that time was up at 0229 so I presume pgm was ending, however went into deep fade and even carrier lost; came in during one of those rare periods when WBZ-1030 was strong. Can't even guess on this one. The San Francisco area pirate has operated around here in the past, but not hrd recently. (Freeman, Calif.) Weak audio hrd on 835.5 ± 1 0325-0340 1/31; not TVI. Bearing around 88° suggest South US but perhaps Cuban? (Kenney, Calif.) Don's DF rules out the Bay Area pirate; note Don Reynold's item in 1/27 IDX. Bears checking. (Ed)
- 836 Azores. Emissora Regional dos Azores s/off 1802 after clear local ID's. (Ericson, vacationing in Madeira) Schedule change? Used to be hrd here w/signoff at 1702. (Ed)
- 840 Fiji. FBC, Suva quite good w/EE service 1/31 to s/off 0534. (Wood, Hawaii)
- 845 Italy. Rome's AN service is back here ex-1331. (Blodorn, Germany) Confirms item in last IDX. (Ed)
- 860 Venezuela. YWMB, R. Bolivar is HOFFMANN'S unid in 1/3 IDX; slated to move to 680. (Silvera, Jamaica) Thereby killing CP34 in all likelihood. (Ed)
- 870 Venezuela. YVKU, R. Libertador s/on w/NA 0503 on 1/28. (Raczko, O.)
- 880 Venezuela. YWMP, R. Lara fair u/WCBS OC 0513 1/29; nx and spots. (DeLorenzo, Mass.)
- Unid SS. Rosary in SS through jumble at 0515 on 2/7; presumed HIOR but no ID hrd. (Reynolds, Mo.)
- 885 Montserrat. Fair signal 0502-0521 w/EE religious pgm 1/29; bothered by WCBS and WLS tests. (DeLorenzo, Mass.)
- Unid. Unid potent OC 0240 2/1. Who? (Kilroy, Wash. DC)
- 890 Fiji. FBC, Lautoka, blaring loud, Indian service till sign-off 1/31 0535. (Wood)
- Venezuela. YVLW, R. America, Valencia hrd 0448 w/good signal on 1/29. (Raczko, O.) YVLW atop channel 0505 2/7. (Reynolds, Mo.) YVLW fair w/many R. America ID's 0450-0455 1/29. (DeLorenzo, Mass.)
- Haiti. 4VEC IS 0454, NA 0457, s/on in EE and SS 0459 on 1/29; signal well over YVLW. (DeLorenzo, Mass.)
- 900 Australia. 2LM, Lismore, NSW good w/light mx 1/31 0745. (Wood, Hawaii)
- 910 Puerto Rico? WPRP, I believe, very briefly w/"...P.R. Social..." 0430 on 2/5; under YVRQ. (Kilroy, Wash. DC)
- Mexico. XEHO, sounded like "Programa Quito," apparently "Eche-O"; rancho mx 0340 2/6. (Kilroy, Wash. DC)

- 925A Montserrat. R. Antilles hrd in England 2230. (ARC) Assume this is the high power transmitter testing again. (Ed)
- 925 Open Carrier. Very potent 2/2 at 0236; not TVI and receiver seems ok. (Kilroy, Wash. DC) Antilles? (Ed)
- 935 Morocco. Agadir noted here 2/4 for the first time in ages; from 0131 (apparent s/on) - 0135; rough copy due to CEM however. (Krejny, O.)
- 930 Alaska? KTKN? Uninterrupted TT copied on 2/3 from 0308-0345 w/fingers crossed; nary an ID, however, not even CW. Heavy WPAT/WKY QRM but nice signal otherwise. one of these days I'll complete the 50 states. (Krejny, O.)
- **950 Argentina. LR3, R. Belgrano, was in w/steady but not too strong signal 2/7 0410-0425; much commentary by man in SS; some QRM, but only QRM was ultra-weak R&R which also looped SE-NW. Logged for country #27. (Reynolds, Mo.) Currently the best bet for Argentina on the EC. (Ed)
- 960 Mexico. XER00, Chetumal, Quintana Roo. Tentatively the XE hrd w/RCN announcements at 2255 1/21; fiesta mx, then faded out; not XEK. (Silvera, Jamaica)
- 971A Mexico. XE??, definitely a "Radio Variedades" noted here on 2/3 from 0134-0200 and 0237-0308. Sounded like XERA, but highly unsure; might even be a 5 letter call. Am tempted by listed new XERSV on 810, but w/XEIQ on 960 this seems improbable. Severe QSB and WWSW QRM didn't help; sure would appreciate some help with this one. (Krejny, O.) Glenn Hauser? (Ed)
- 980 Unid SS. 2/5 0435, sounded like Mexico, mentioned "Caribe." (Kilroy, Wash. DC)
- 990 Puerto Rico. WPRA hrd 1/8 0452-0500; all SS and no mx; gave R. Mayaguez ID at 0455. (Kilroy, Wash. DC)
- **998 Spanish Sahara. With every DX club in the world working on this one, the situation is gradually being clarified. Confirming the Madrid newspaper item reported in the last IDXD, Bengt Ericson says this is EAJ202, R. Villa Cisneros, Apt. 60, Villa Cisneros. Says they announce 10 kw but thinks they are 50 kw; sked 1400-1700 only and not on Sundays; relays "Diario Hablada" from RNE at 1400 and 1700. In view of the press release, Bengt, this probably is the 10 kw outlet. The tapes we made last Fall with R. El Aiun ID's at s/off must have been from the period before Villa Cisneros had their own programming; either that or they experimented with frequencies before settling down to the present arrangement. (Ed) Those interested in Spanish Sahara may write for a beautiful illustrated brochure, with very detailed map, to Oficina de Turismo, Ministerio de Informacion y Turismo, Madrid. (Wood, Hawaii) Real aficionados of this, the Spanish equivalent of Siberia, can keep up-to-date on the exiting happenings there (like sand surfing) by reading the monthly magazine Africa, published in Madrid. (Ed)
- **1000 Costa Rica. TIMS, R. Mil, San Jose, reputed to be on since 1/1; station and freq purchased from Monumental. Delete TICEC, San Ramon. (Silvera, Jamaica)
- ** Venezuela. YVRT, R. Tropical hrd at s/on 0427 w/NA 1/29; good signal. (Raczko, O)
- 1010 Mexico. XEFM, R. Caravana, Vera Cruz, Ver. hrd w/ranchero mx; ID's also as "FM Radio"; hrd 0023 2/5. (Silvera, Jamaica)
- 1020 Tonga. ZCO, my #1 "needed" now logged w/semi-local ease in my new, slightly more splatter-free home location; in EE, s/off 1/31 0501. (Wood, Hawaii)
- Unid SS. LA noted tearing up KDKA from 2321-2345 on 2/3; very strong signal, occasionally on top, but couldn't catch an ID; possibly the Cubano or YVMX, but unsure. (Krejny, O.) Also perhaps HJDQ, they're usually on top here now. (Ed)
- Unid SS 0355-0430 fade-out 1/31; LA mx, some rancheros, some quieter, and commercials; quite good at timed; KDKA/ZCO looped; early fade prevented good DF, but not YVMX; perhaps Colombia, Paraguay or Argentina; YVMX s/on is 0500 on weekdays. (Kenney, Calif.)
- **1058A Cuba. CMDD, Las Mercedes, tentatively the CMKC outlet here as not on 1090; has been hrd on 1050 and 1060. (Silvera, Jamaica)
- **1060 Morocco. Tetuan, 20 kw, now here. (ARC)
- 1070 Puerto Rico. WMIA, Arecibo noted s/on 0430 u/strong HJCG; hrd 1/22. (Silvera)
- 1090 Dominican Republic. HIJM, R. Amistad, Santiago w/announcements for "Bailables" and ads 1845 1/30; good signal. (Silvera, Jamaica)
- Venezuela. YVNJ, R. Exitos, Bachafuero is REYNOLD'S unid in IDXD 2/3. (Silvera)
- 1100 Venezuela. YVKE, R. Cultura, Caracas noted w/sign-on announcements at 0459½ 1/29 but at 0500 Big Brother's OC killed em; still needed, will try again. (Kre inv)

- 1100 New Zealand. 3ZB, Christchurch, one of many Zedders 1/31 0455. (Wood, Hawaii)
- **1118. 5 China. Peking's Far East outlet is currently here, down from 1120. (ARC)
- **1125 Costa Rica. TISHRD, San Jose now w/Monumental Network; ex-R. Popular. (Silvera)
- 1140 Puerto Rico. WITA, R. Imparcial was noted in well thru the slop on this channel from 0356-0402 on 2/5. (Krejny, O.)
- Unid SS. SS stn noted w/mentions of "SM"; seemed to ID as R. Mas Musica 1/29 at 0115. XEMR? (Scrimgeour, Ont.) R. Nacional de Venezuela, 1 kw in Merida, is YVSM on this channel, Gray. (Ed)
- 1145 Unid SS. LA hrd from 0228 2/5 w/request and dedication pgm; no ID's, not even ad or town mentioned to give clue to location. HCRG? (Silvera, Jamaica)
- **1155 Colombia. HJAZ, Emisora Sinu, Monteria hrd here after Americas off running AN MM 2/5; listed 1160 by WRTVH and FBIS; has been hrd by me on 1160 since November of 1964. (Silvera, Jamaica)
- 1190 Colombia. HJCT, Barranquilla followed rarely observed Yhprum's Law and faded up from behind WWOV for a clear ID as L.V. de la Costa; promptly faded out again. This at 1930 on 2/11. (Sullivan, Mass.) Probably quantum mechanical fluctuations, Phil... (Ed) Presume Bogota was the Todelar outlet hrd at s/off 1/29 0100; weak and noisy. (Scrimgeour, Ont.)
- **1196 Unid PP. Someone in PP noted at s/off 1720 12/25. (MWV) Probably Emisora Regional de Portalegre, Portalegre, Portugal; listed 1196, 1 kw, in new FBIS. Ed
1209. 7A Unid LA. SS speaker here weakly 1/30 2250-2310, snuggled between the Cuban on 1208.99 and 1210; man talking like a sports broadcast. (Zahner, Md.)
- 1211 Colombia. HJBE, R. Internacional, Cucuta is presently being hrd on this freq; was not ID'ed on 1205 here. (Silvera, Jamaica) Maybe yours, Matt? (Ed)
- 1220 Colombia. HJDQ, Emisora Claridad; playback of 1/22 tape netted clear slogan ID after seeing that this one is now AN; this at 0244. (Raczko, O.)
- Unid SS. Cocoo clock 0205 1/21; the usual XEB or unid D.R. stn? (Kilroy, Wash.)
- **1276 Thailand. Thai Army Transportation Division, Bangkok. Old US and Thai pops 0845, time signal and possible s/off 0900 but local KNDI-1270 then s/on. 2/2. (Wood)
- **1278 Unid Far East. Another evidently non-communist S.E. Asian, probably also Thai 2/2 0845. (Wood, Hawaii) Or perhaps Malaysia-1280? (Ed)
- **1285 Colombia. HJNQ, L.V. de Rio Suarez, Barbosa hrd w/nx, then light mx; QRM from YNRPS; hrd 1925 on 1/30. (Silvera, Jamaica)
- **1295 Bulgaria. Kolarovgrad now off the air. (ARC)
- St. Maarten. PJD2 assumed to be the stn here w/hymns on 2/11 from 0410-0430 (who else?). First time here as I needed an AM w/WERE off; disappointing signal level for listed 10 kw; unable to copy for a report. (Krejny, O.)
- 1354 Honduras. HRMS, R. El Patio fairly clear ID at 0000 s/off 1/23. (Scrimgeour)
- 1375 Costa Rica. TIMAR, R. Monumental hrd, tnx to tip from Jim Warner; 0000 on 1/24. (Scrimgeour, Ont.)
- 1394 Albania? R. Tirana probably the weak stn here 1/25 at 0009 w/talk pgm in what seemed to be GG; has some mx but not much. What is Tirana's power? (Raczko, O.) 1968 WRTVH says 100 kw; only figure available. (Ed)
- **1428 Colombia. HJBH, R. Magdalena, Santa Marta now here from 1430. (Silvera, Jamaica)
- **1430 Colombia. HJEB, Ondas de Riohacha, Riohacha here from 1470; was on this freq for some time since 1/66. (Silvera, Jamaica)
- 1460 China. Huhehot in unmistakable Mongolian 2/2 0820, into relay of Peking RR service 0900. (Wood, Hawaii)
- **1465 Dominican Republic. HIAG, R. Azul, Santiago now here from 1475. (Silvera, Jam.)
- 1465A Unid LA. Something like "R. Mentados" mentioned; also "Nicaragua... Campano el Ruben Dario... Mundial" at 0440 1/22. Who? (Kilroy, Wash. DC)
- **1466 Malagasy Republic. R. Madagascar, FF network now here ex-1502. (ARC) Shucks, there goes Spitsbergen. (Ed)
- 1470 Mexico. XESM, R. Fiesta, very good w/mx as per its name 1/31 0345. (Wood, Hawaii)
- **1475 Ethiopia. KANU, AFRTS, Asmara now here ex-1480; moved 12/29. Using a 250 watt Gates Transmitter, according to QSL. (ARC)
- 1480 Japan. JORF, R. Kanto good w/JJ talks 1/31 0545. (Wood, Hawaii)
- 1484 Morocco. Kenitra AFRTS station hrd very well AN in Madeira; had tapes from KMPC in Los Angeles after 2000. (Ericson, vacationing in Madeira)
- Unid TA. This channel is an unseparable mess; was a SS speaker on 2/6; loops very far South in Europe, like S. Portugal; is there an AN stn here? (Conrad, Ky.)
- Time... Kenitra and Iceland AFRTS only AN... (Ed)

- 1501 Panama. HON, mx 0410-0428 mixing with many, many carriers. (Kilroy, Wash. DC)
- 1502 Unid TA. Noted here 2/3 0015-0030; poor-fair signal; couldn't ID the language. Guess Warsaw; anything else likely? (Krejny, O.) Nope. (Ed)
- 1511 St. Helena. Confirmation of last week's item re this island already! R. St. Helena is hrd in Africa until s/off 2030. (ARC) Must now be on RS; could it be that I'm not the only one who reads the St. Helena News Review? (Ed)
- 1525 China. Urumchi, excellent w/CJKT 1st pgm 0800-1000 2/2; into Russian 1000. No sign of jamming; looping farther west than other Chinese. (Wood, Hawaii) The bearing for Urumchi should be intermediate between those for Khabarovsk and Yuzno-Sakhalinsk from where you are, Richard. Anyone on the West Coast of North America who logs this one will set the North American record for most westward TP reception. (Ed)
- 1540 South Vietnam. Unlisted station, assumed new high-power Saigon. 2/2 0915 full ID: "Dai la tieng noi Viet-Nam hoa" and typical S. Vietnamese, non-communist programming. Still good at 1015. AFRTS Soc Trang is listed with 250 watts; I surmise that a high-power AFRTS transmitter has been installed, and was turned over to the Saigon government when its stations were destroyed. New country here. (Wood, Hawaii) Brilliant DX'ing, Richard. (Ed)
- Japan. NHK 2nd net, classical songs 2/2 0930 // 1590, 1600, etc. (Wood, Hawaii)
- China. Ulanhap, Inner Mongolia. Talk in Mongolian 1/28 0540 // Ulanhot on 1460. (Wood, Hawaii)
- 1550 Mexico. XEBG, Tijuana. Loopable on this heaped-up freq 1/31 0335. (Wood, Hawaii)
- Australia. 4QD, Emerald w/ABC ID and TC 0500, and ABC Queensland ID at 0530, 12/11, through CBE dead air. (Millar, Wash.)
- 1554 France. ORTF, Nice nice in FF at 0121 1/26; much CBE splatter; better on 1/28; reported for France #2. (Raczko, O.)
- 1560 Taiwan. AFNT, Taipei, loud and clear w/jingle ID 3/3 (assume that's 2/3 - Ed) 0834. (Wood, Hawaii)
- 1562 Switzerland. Interesting that the new Swiss on this channel is so widely hrd over there... several IDX reporters have said it was stronger than Langenberg on 1586. Well, I think there's just one conclusion: Langenberg is blowing its 400 kw non-directional into the air, whereas Switzerland seems to use a directional antenna which would explain its especially good reception state-side. This stn is not (yet) running all day; s/on 1100. Noted here several times; before 1100, Veronica is here mixed w/the Swedish synchro net. All of a sudden - no open carrier noticed beforehand - the Swiss covers the channel at 1100. Closedown is 1730 Sunday-Friday, Saturdays later. (Blodorn, Germany) It may also be that the horizon is not clear in all directions uniformly around the transmitter, Rolf, that can make even an omnidirectional antenna appear to have a directional skywave pattern... (Ed) SBC's s/on is now usually 0010, not 0015. IS on at 0008, then s/on 0010. 3 stns show on the scope - two loop Europe with a slow SAH, third is the Cuban and way off, 70 or 80 cps away from the other two. On 2/6, SBC by far the strongest of the three until past 0130, no audio from the other TA carrier; the Cuban was talking and giving TC's ala R. Minutero. (Conrad, Ky.) My "1565A" stn of 1/16 is undoubtedly the Swiss; however it was // with 1586 or 1586A. The 1586 outlet was quite weak; I checked against the 1562 transmission 3 times and it coincided. However, I could be mistaken. (Kilroy, Wash. DC)
- Unid carrier. Have been working on this one; three AM's I've gotten a carrier there, once some audio but QRN made it unreadable; if this is the Swiss, I vote for a power of 500 kw or more for them. Only one other possible trace of Europe at the time - 1214 - and that was hardly reliable. When 1562 hrd, the Cuban was varying around 1563½ - 1564; Cuban modulation seems to be much weaker than the stn on 1562. (Freeman, Calif.)
- 1562A Unid TA. Light mx hrd here 1/28 at 0109; faded out at 0119; Switzerland? (Raczko, O.) Likely. (Ed)
- 1575 Colombia. HJFI, Armenia weak 2303 on 1/27. (Raczko, O.)
- 1576 Costa Rica. TI..., R. Columbia, Puntarenas is the outstanding Central American signal, and often the only one here, e.g., 1/31 at 0650. (Wood, Hawaii) HJLC, El Banco, just about making it above the 1575 Costa Rican on 1/30 at 2240 and later; hard to get material but is separable from 1575. (Zahner, Md.) Hmmm, looks like there might be a bit of confusion around this one.

1578 Italy. RAI synchros here w/good signal 2/10 0040-0130; apparently EE lessons to 0100 but QRM from 1580 was bad until then; nx 0100, and many ID's for RAI; someone under them, sounded like CSB5. (Sullivan, Mass.) RAI s/on in II at 0030 on 1/6; scope showed 3 carriers, // RAI stations I suspect. EE lesson 0035-0100; man in II and woman in EE; scope showed a big change at 0058+ and modulation from RAI dropped fast. At 0100 was 5 time pips and one tone, followed by what seems to be Porto's s/on; news followed by mx and ads and talk between selections, so evidently I had RAI on 1/17 0035-0100 and Porto after that; RAI-Porto SAH about 5 cps, some very weak slower ones there too, probably RAI // carriers. Porto is not sked to s/on until 0200, but 6 time tones at 0100 is wrong for either of them; it's 0700 in Portugal and 0800 in Italy. So what gives? (Conrad, Ky.) No, Jerry, both Italy and Portugal are on GMT + 1 hour, which is Central European Time - so it'll be 0700 both places. Both Pete Taylor and I have very good tapes of RAI around this time with five fast pips, a space, and a sixth one; very good II right afterwards makes it almost certain that the pips were from RAI. It would seem that these pips are not meant to signify the hourly time. (Ed)

Portugal. Porto noted on 1/28 with a simply great signal from 0235-0240. (Krejny)

Unid TA. CSB5 probably the one hrd 1/29 at 0243 w/man and woman announcers, some old US R&R; possible this late? No other TA's hrd this night. (Raczko, O.) Quite possible, Bill, and programming sounds right. (Ed)

***1580 Thailand. Free Asia Radio Station, assumed Bangkok. Pounding in w/off-air relays of VOA Thai, EE, and Indonesian services, and ID by male American announcer: "This has been a transmission of the Free Asia Radio Station carrying programs of the Voice of America" and once also the same in Thai. Surmise over 100 kw, hence excellent strength, though poor off-air relay quality; reported to USIS in Bangkok (looped Bangkok area too). 2/2 0730-1000. (Wood, Hawaii) Good! (Ed)

1586 Germany. Langenburg, WDR, never hrd here before but in very well 1/25 at 0114 w/light mx; ID at 0130. Peaked S9 + 10 db at 0135 and even higher 1/28. (Raczko) WDR 3 pips and Brahms lullaby 0200 2/3, female announcer (didn't sound like the usual one). (Kilroy, Wash. DC) A powerhouse here 1/5; strongest just before f/out 0155; was this near E20 time for Langenburg? At 0055 have noted their IS for one minute, then "guten morgen, hier is Westdeutscher Rundfunk..."; this is for the s/on of the rest of the net I guess. (Conrad, Ky.) Fortuitous fade, Jerry; E20 time considerably later that AM. (Ed)

1594 Portugal. Lisbon was quite likely the TA trying to get past WAKR QRM from 0242-0252 on 1/28; still need here, but didn't quite make it. (Krejny, O.) Enclosed tape was made on 1/29 between 0022-0045; probably the same stn reported by Engberg in 1/20 IDX; probably Lisbon but does not sound like PP to me. (Merriman, Va.) Tape came through with a low audio level and a bad hum, Alan, but managed to clean it up quite a bit with selective audio filtering. It's definitely PP but couldn't be sure before filtering. (Ed)

***1599 Philippines. DZCH, Manila. EE nx 0800, ID as DZCH 0810 and into concert, easily separable from NHK-1600. (Wood, Hawaii)

***1602 Germany. Later this year, Munich transmitter of Bayerischer Rundfunk, at present still on 800 with 100 kw, will be increased to 400 kw and will move to this clear channel; Nuremberg and probably the other 1602 transmitters of the Bavarian radio will then move to 800. (Blodorn, Germany)

V E R I F I C A T I O N S . . .

650 VENEZUELA. YVLH, v/q in SS w/full information, colorful card. V/s Victor Ramon Cordova, Director. (Kilroy) YVLH, specific v/q, QTH: Calle Soublette sur 11. Card also says "Emisora del ano"?? I know what ano is defined as in my SS/EE dictionary, does ano have another meaning or is this line a bit of YVLH self-appraisal? Hi. (Starr) Same v/q as reported above; think this is about the nicest v/q I've ever seen from an LA. (Krejny) And that's really saying something when you've got as many LA QSL's as Ed! (Ed)

720 JAMAICA. RJR sent large new v/q promptly; wrote in "we also confirm tone tests on 550, 580 and 700 kcs." (Raczko)

812 COLOMBIA. HJEW, R. Atalaya sent friendly verie in 3 weeks, as noted by many others. (Scrimgeour)

- 825 COSTA RICA. R. Titania v/l in a month; v/s Roberto E. Meono Chivarria, Contador. Also sent banner and stickers. (Raczko)
- 880 DOMINICAN REPUBLIC. HIOR, R. Santa Cruz became my 10th HI w/receipt of a v/l and 2 postcards. Signer and lack of QTH as noted before. (Krejny) HIOR sent long SS v/l; same v/s as before. (Raczko)
- 900 NEW ZEALAND. 4YC, new detailed NZBC QSL card, very attractive. (Wood)
- 910 VENEZUELA. YVRQ, T. Aeropuerto, v/l in a month; v/s Augusto Hernandez, Director. (Raczko)
- 975 ECUADOR. Ondas del Pacifico v/q and banner; gives call as HC2AW, not HCAW2. (Raczko) Position of the numeral in the call is not standardized in actual usage, Bill, although there may be an official convention somewhere. (Ed)
- 970 MEXICO. XEVT, Villahermosa, L.V. de Tabasco specific letter, postcards and a pretty pennant (first received from a XE); v/s is Juan A. Calderon Landero, Gerente General; QTH: Saenz #217, Esquina Zaragoza Sur; feel this is one of my two best Mexic ans. (Krejny)
- 990 PUERTO RICO. WPRA, v/c; v/s Guillermo A. Bonet, CE (KP4BKY); new CE. (Kilroy)
- 1120 AUSTRALIA. 4BC, detailed v/l; v/s T.C. McGregor, Programme Manager; QTH: C.B.C. House, Brisbane or G.P.O. Box 95B, 4001. (Wood)
- 1130 JAPAN. JOQR, v/q now returned with full details and apology for earlier incompleteness. (Wood)
- 1200 COSTA RICA. TIQ, R. Casino; airmail v/l and pennant; returned IRC, v/s unreadable; QTH Apartado 287, Puerto Limon. (Murphy, Conn.) Ditto. (Krejny)
- 1220 MEXICO. XEB, v/c w/Aztec calendar as used by XERPM and XEDF; QTH for all three: Dr. Rio de la Loza 212, Mexico 7, DF; reply by special delivery air. (Wood)
- 1394 AUSTRIA. To clear up the Austria verie listed last week; was for the report I sent to Austria for a reception of Albania on the same freq; so what does Graz do? They QSL for Vienna-1475. I would say that Austria QSL's are a bit suspect. (Cohrad, Ky.) I'd go even further and say the majority of QSL's are in no way reliable proof of reception, particularly when the reception report was necessarily of a descriptive nature due to language problems. (Ed)
- ALBANIA. QSL in EE; v/s illegible, from "Foreign Language Department." (Sperry)
- 1480 PUERTO RICO. WMDD very prompt v/q; v/s is C. Soto Perez, CE. (Raczko)
- 1518 DOMINICAN REPUBLIC. R. Pueblo sent v/l; v/s Poncio R. Pou Saleta, Director. Address as listed. (Krejny)
- 1550 PHILIPPINES. DYLA, The Voice of Labor (shades of WCFL!), Cebu City. V/l from Alex C. Pepito, Station Manager, who was listening to DYLA in Hong Kong on the day I was hearing it in Honolulu; operated by Visayas-Mindanao Confederation of Trade Unions (VIMCONTU), QTH: Alu Building, Quezon Blvd., Port Area, Cebu City. States "1550 kHz." (Wood)

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T H E C R E W . . . Welcome this week to Ken Murphy, Glenbrook, Conn., and greetings to veteran reporters Alan Merriman, Va., and Ralph Sperry, Conn. And the usual round of kudos to the regulars!

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ARTICLES OF SPECIAL INTEREST TO IDXD
 READERS FROM PAST NRC BULLETINS

- a) Subaudible Heterodynes on the MW BCB, 6 pages. Describes in non-technical terms the use of the "SAH-scope" to observe and characterize weak and inaudible carriers on the BCB; contains plans for such a device.
- b) Single Sideband Reception on the Broadcast Band with Mechanical Filters, 18 pages. Describes in both technical and non-technical terms the nature and origin of adjacent-station QRM on the BCB; highly detailed plans for adapting receivers to use mechanical filters for increased selectivity.
- c) Summer Reception on the Broadcast Band, 2 pages. Describes in non-technical terms the seasonal variation in longdistance reception patterns in MW DX.
- d) High Precision Direction Finding of Medium Wave Skywave Signals, 6 pages. Highly mathematical derivation of direction finding properties of loop antennas, including the only available information on the "second station error." Essential for anyone wishing to master BCB DF at the present time.

Xerox copies available from the IDXD Editor at 7¢ per page to cover expenses; please also include SASE of appropriate size. -30-

Local Sideband Splash - How Much Is Too Much?

One of the most aggravating problems that the international DX'er has to live with is the sideband "splash" from his local stations. All DX'ers have observed that the amount of splash generated by a station depends on the type of programming: pop music with drums, etc. is worst, speech (particularly telephone talk shows) is better, and very soft music is best of all. In the extensive article on selectivity and mechanical filters published in DX News last summer, we outlined the basic nature of sideband production, and explained how much (but not all) of the splash encountered on the band is actually due to the inadequate deep-skirt selectivity of most commercially available receivers.

But even after installation of multiple mechanical filters, improving interstage isolation, and all of the other techniques outlined in the selectivity article, the unlucky DX'er may still find one or more of his locals splashing seriously on frequencies far from the carrier frequency. A case in point is WRKO in Boston, whose 50kw hard-rock-programmed signal on 680 produces intolerable splash from 620 to 740 kc/s throughout much of the Greater Boston area. Other notorious offenders are WWRL-1600, WEEZ-1590, WOWO-1190, WABC-770, CBL-740, KFI-640, etc.

Mutterings of "overmodulation" are often heard at DX get-togethers, particularly when owners of top-quality equipment compare notes and discover that certain locals consistently splash more more than others, regardless of power or distance. The germane questions then become, "how much splash can a station legally produce?" and "is the FCC effectively enforcing its regulations about excessive sideband radiation?"

The relevant FCC regulations are found under Section 73.40 of Part 73 of the FCC Rules and Regulations. They are,

- 73.40(12): "Any emission appearing on a frequency removed from the carrier by between 15 kc/s and 30 kc/s, inclusive, shall be attenuated at least 25 db below the level of the unmodulated carrier."
- 73.40(13): "Any emission appearing on a frequency removed from the carrier by more than 30 kc/s and up to and including 75 kc/s, inclusive, shall be attenuated at least 35 db below the level of the unmodulated carrier."
- 73.40(14): "Any emission appearing on a frequency removed from the carrier by more than 75 kc/s shall be attenuated at least $43 + 10\text{Log}_{10}$ (power, in watts) db below the level of the unmodulated carrier, or 80 db, whichever is the lesser attenuation."

What does this mean to the MW DX'er in practical terms? Consider the case of 50 kw WRKO on 680 kc/s (an example near to the author's heart):

- (a) On any frequency up to 30 kc/s from 680, i.e., from 650 to 710 kc/s, the amount of splash allowed by the FCC is the same as would be produced by a 158 watt transmitter at the WRKO transmitter site. (50 kw down 25 db is 158 watts)
- (b) On any frequency up to 75 kc/s from 680, i.e., from 605 to 755 kc/s, the permitted splash radiation is the same as would be produced by a 15.8 watt transmitter.
- (c) Outside the 75 kc/s limit, the allowable radiation falls off very sharply; in this case, all the way down to 500 microwatts.

But 15.8 watts isn't much, you say? Ordinarily it isn't, but when the transmitter is only a few miles away, it can make DX'ing for a weak signal very unpleasant if not impossible. And remember that CBC 40 watt relay that's heard so well in New Zealand!

Therefore the basic splash problem is due to the permissiveness of these archaic FCC regulations, and not with inadequate enforcement of violations (except in a very few cases). While it's not really much consolation, the DX'er can be thankful that very few stations radiate anywhere near the maximum allowable amount of sideband radiation. Fortunately, a carefully adjusted and well maintained modern transmitter radiates a very clean signal in terms of the FCC regulations. Thus the only way a DX'er can gain some measure of respite from a legal but splashy local (after appropriate receiver modification) is to null the offending station with a good loop antenna - either that, or move!