



DX News

**OLDEST
MEDIUM WAVE
DX CLUB
Established 1933**

**34 issues per year
\$10.00 per year**

**\$7.50 via
Third Class Mail**

**OFFICIAL PUBLICATION OF THE
NATIONAL RADIO CLUB
P. O. BOX 99
CAMBRIDGE, MASS. 02138**

VOLUME 35, NUMBER 22

March 9, 1968

HEADQUARTERS PAGE: John A. Callarman, Publisher, P.O. Box 99, Cambridge, Mass. 02138 (926-2677)

DX CALENDAR ...

Tuesday, March 12th	0030-0130*	570	WMAM	Marinette, Wisconsin	250/100	NRC
Wednesday, March 13th	0100-0200	1070	CHOK	Sarnia, Ontario	10000	NNRC
Saturday, March 16th	0145-0215	970	WAKX	Superior, Wisconsin	15 10	NRC/test
Monday, March 18th	0315-0345	940	KWRC	Woodburn, Oregon	250	NRC/test
	0400-0500	1340	KCAP	Helena, Montana	1000/250	IRCA
	0400-0500	1260	KWYR	Winner, South Dakota	5000	IRCA/test
Monday, March 25th	0100-0130	930	WBEN	Buffalo, New York	5000	NRC
	0400-0415	1380	KFSB	Redfield, South Dakota	500	IRCA/test
	0430-0500	570	WNAX	Yankton, South Dakota	5000	NRC/IRCA
Monday, April 1st	0400-0500	950	KMER	Kemmerer, Wyoming	1000	IRCA/test
Friday, April 19	0215-0230	1140	KNEI	Waukon, Iowa	250	NRC/test

*Possibly 0130-0230 -- try both times!

WMAM is one of the very few Class IV stations remaining on a regional channel. And according to Engineer Jerry Wilson, that might not last too much longer. The station is planning to apply for a CP for 5000 watts day, 500 watts night. NRC'er Wes Boyd, who arranged the test, says the station recognizes this is short notice for most NRC'ers, but promises to notify us well in advance of future tests. Modulation on the above program is unknown at this time, but we're sure WMAM will provide some tone and some easy-to-identify music, we hope. Note that the time is hazy ... in the letter from the station, Engineer Wilson said WMAM would be on at 12:30 a.m. for approximately one hour. We suspect this is CST, but it may be EST. WKBN, Youngstown, Ohio, an AN'er, is silent Tuesdays, so perhaps WMAM will make it into the Midwest! And, for those who can loop WMCA, into the East. Correct reports with return postage (or thank you notes, we hope), go to Jerry Wilson, Radio Station WMAM, 400 Wells St., Marinette, Wis. 54143.

CHOK With CEC'er CBA now off the air at 0015, SHOK should be able to have clear sailing in the East. WDIA and WFIL should make it rough in the south, and KNX on the West Coast, but otherwise CHOK should be widely heard. Send your reports, with the usual return postage to the Chief Engineer, CHOK, Sarnia, Ontario.

WAKX has recently changed frequency from 1320 to 970 ... and General Manager Lewis M. Latte wants to determine how far away his "House of Wax" can be heard on the r/c with just 500 watts. Send a good report, with a self-addressed, stamped envelope, to Lewis M. Latte, G.M., 1810 North 16th St., Superior, Wis. 54880. (Weselewski)

KWRC NRC'er Roger Steele informs us his home-town station will be on the air at the above time with a test broadcast, with music, possibly some tone, and identifications. With CEM now off the air, the only real problem for this one should be WINZ in Miami. Most Westerners should be able to hear this 250-watter. Reports go to KWRC, Public Relations Department, 698 No. Pacific Highway, Woodburn, Oregon 97071.

KCAP was unable to test as scheduled last fall due to a staff change. The new Chief Engineer, Stephen Blodgett, has prepared a 15-minute tape that'll run at 0400, 0415, 0430 and 0445, to s/off at 0500. Tape includes ID's, music, 1000-cycle and 500-cycle tone periods. Exact times of TTs will be sufficient to QSL, says Mr. Blodgett. Reports go to Stephen Blodgett, C.E., KCAP, 9 Last Chance Gulch, Helena, Montana 59601. (Percy Kesteven, Alta.)

KWYR also couldn't test last scheduled time due to circumstances beyond their control. Reports go to Mr. David L. Dodd, C.E., KWYR, P.O. Box 491, Winner, S.D. 57580. (Kesteven)

NEW MEMBER ...

Father John P. Pejza

12096 Ventura Ave.

Orland, Calif. 95023

Welcome to the NRC, Fr. Pejza, and we hope you will enjoy your membership in the club. And we hope you'll be able to meet some of the members of our ever growing California club, too!

DOMESTIC CONTEST STANDINGS AS OF SATURDAY MARCH 2, 1968 FROM : DON KASKEY, WEST SACRAMENTO, CALIFORNIA 95921

CONTEST #1	CONTEST #2	CONTEST #3
1. Dave Carlson, Mo. 254	1. Don Kaskey, Calif. 154	1. Paul Kilroy, D.C. 34
2. Bill Nittler, Colo. 250	Joe Fela, N.J. 154	2. Dave Carlson, Mo. 33
3. Marc DeLorenzo, Mass. 233	3. Fred Nordquist, N.M. 128	3. Marc DeLorenzo, Mass. 31
4. Mike Tannery, Tex. 219	4. Gene Mattocks, Calif. 126	4. Mike Tannery, Texas 30
5. Joe Fela, N.J. 206	5. Robert Hostettler, Minn. 100	5. Fred Nordquist, N.M. 25
6. Don Kaskey, Calif. 203	6. Frank Wheeler, Pa. 77	Ken Jennings, Tex 25
7. Robert Hostettler, Minn. 198	Randy Miltier, Calif. 77	7. Dave Prather, Calif. 24
8. Paul Kilroy, D.C. 191	Marc DeLorenzo, Mass. 77	8. Don Kaskey, Calif. 23
9. Dave Prather, Calif. 186	Ken Jennings, Tex. 77	9. Robert Hostettler, Minn. 21
10. Fred Nordquist, N.M. 180	10. Randy Seaver, Calif. 74	10. John Long, Conn. 20
11. Richard Eddie, Mo. 174	11. Don Erickson, Calif. 51	Joe Fela, N.J. 20
Ken Jennings, Tex. 173	12. Sheldon Remington, Conn. 28	12. Frank Wheeler, Pa. 19
Frank Wheeler, Pa. 173	13. John Tudenham, Okla. 25	13. Gene Mattocks, Calif. 18
14. Ev Johnson, Ill. 156	14. Mike Northam, Ore. 1	14. Don Erickson, Calif. 17
15. Don Erickson, Calif. 147		Randy Seaver, Calif. 17
16. Randy Seaver, Calif. 126		Richard Eddie, Mo. 17
17. Randy Miltier, Calif. 124	NRC DX'es in FEB. THAT QUALIFY	17. Randy Miltier, Calif. 16
Gene Mattocks, Calif. 124	FOR BONUS POINTS ARE:	18. Raleigh Biss, Calif. 14
19. John Long, Conn. 112	2/3 WIRV-1550	19. Sheldon Remington, Conn. 12
20. Raleigh Biss, Calif. 101	2/5 KIFN-860	20. Lynn Brooks, Okla. 11
21. John Tudenham, Okla. 93	2/5 KOFQ-1220	21. John Tudenham, Okla. 9
22. Greg Seifert, Ohio 82	2/6 WSON-860	22. Mike Northam, Ore. 1
R.L. Goday, Calif. 82	2/13 WSAJ-1340	
24. Sheldon Remington, Conn. 50	2/19 KMMO-1300	
25. Clarence Freeman, Calif. 17		
26. Mike Northam, Oregon 1	Previous Bonus Specials listed in	
	1/13 and 2/10 Bulletins.	

CONTEST #4	CONTEST #5	RENEWALS
1. John Gifford, Ill. 164	1. Fred Nordquist, N.M. 32	Everett Johnson *
2. Jerry Conrad, Ky. 135	2. Robert Hostettler, Minn. 26	Warren D. Brown
3. Don Kaskey, Calif. 65	3. Dave Carlson, Mo. 22	Henry Ward
4. Joe Fela, N.J. 50	4. Ken Jennings, Tex 18	Gregg A. Calikin
5. Dave Carlson, Mo. 49	5. Frank Wheeler, Pa. 17	Peter V. Taylor *
6. Jim Neff, N.Y. 45	6. Ron Ponke, Mich. 14	Randy Seaver *
7. Marc DeLorenzo, Mass. 42	Mike Tannery, Tex. 14	Joseph M. Zachenski
8. Ron Ponke, Mich. 39	8. Marc DeLorenzo, Mass. 12	Mike Northam *
9. Gene Mattocks, Calif. 38	9. Joe Fela, N.J. 11	Greg Seifert *
10. Robert Hostettler, Minn. 27	10. Don Kaskey, Calif. 7	William Menke *
11. Richard Eddie, Mo. 22	11. Don Erickson, Calif. 5	Bill C. Heatham *
Frank Wheeler, Pa. 22	12. John Long, Conn. 4	Peter Skinner
13. Don Erickson, Calif. 19	13. Lynn Brooks, Okla. 3	Sidney A. Rosenbaum
14. Fred Nordquist, N.M. 18	Randy Miltier, Calif. 3	Ralph M. Johanns *
15. Randy Seaver, Calif. 16	15. Raleigh Biss, Calif. 1	D. Gene Mattocks *
16. Raleigh Biss, Calif. 12	Mike Northam, Ore. 1	Douglas Juen *
17. Clarence Freeman, Calif. 11		Richard L. Russell *
18. Randy Miltier, Calif. 9		Donald E. Erickson *
19. Mike Tannery, Tex. 8		Herbert W. Foster *
20. Lynn Brooks, Okla. 7		Richard H. Nelson *
21. John Long, Conn. 5		
John Tudenham, Okla. 5		
23. Sheldon Remington, Conn. 3		
24. Ken Jennings, Tex. 2		
25. Mike Northam, Ore. 1		

* Via First Class Mail

Among the several sample copies of the NRC bulletin that will be going out this week is one to Michael Seth, 9 Marks Place, New Hartford, New York 13413. Michael writes "As an active DX'er, I am interested in your organization. I know my late uncle, A.C. Seth, was for years a member. Please send me information." Mike, we do hope you will be joining us, because Uncle Carroll was indeed one of everyone's favorite NRC'ers. Carroll was the "poet laureate" of the club ... and truly exemplified the best of the NRC spirit! -- JAC

March 9, 1968

DX NEWS
MUSINGS

3

EDITOR: ERNEST R. COOPER - 438 EAST 21 STREET - BROOKLYN, NEW YORK - 11226
DEADLINE EVERY TUESDAY- PLEASE DOUBLE-SPACE - THIRTY LINE LIMIT PER MUSE.
LIST DATE/TIME OF YOUR CATCHES, USING A.M.-P.M., E.S.T. THANK YOU!

Lon J. Berman - 1511 Dieren Lane - East Meadow, New York - 11554

Greetings, y'all. One verie received this week, a v/f from WCWC-1600, Ripon, Wis. w/CM. I have not had too very much time to DX, but still I have managed a few catches: 2/18- WJWL-900 Del. 5:43pm s/off, finally enough for a report. 2/20- WADK-1540 RI 12:03-12:32pm very weak & u/WRCP, very much wanted for quite a lone time here. 2/24- WNRG-940 Va. noted briefly atop the channel @ 5:30pm; unID-860 heard w/ad for beer manufactured by brewery in P ittsburgh followed by rr mx @ 5:43. Is this WAMO? 2/25- Uun WKIX-850 heard @ 1:15am along w/WHDH. This is the first time in quite a while I've heard them on nighttime pattern. WQOK-1440 SC noted AN w/R&B mx. UnID TTs were heard on 1440 1310 & 1240, all at about 1:30am. I hope everyone heard the once every four years f/c of WLEAP on 2/29. They came in like a ton of bricks w/my new Admiral Nelson Loop antenna, which I constructed entirely out of beer cans. Of course, I drank all the beer first! 73s & C U N 7. Remember, c/w mx is **THE** mx.

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

Howdy doody! Not too many new ones these days, w/very instable CX. Anyhow, 2/12 WRKO-680 Mass. in w/strong signal @ 2:52pm. I was quite surprised as WPTF is usual there. 2/26- WIIN o/u WSOC, both NC, on 930k @ 5:44pm, & CFBC-930 NB @ 7pm tearing the house down. The last three items are attributed to the addition of a Philco 12 transistor portable. It seems to be quite sensitive, selective, & directional. 2/27, @ 12:34pm, a station noted on 1170 w/S-9 signal playing rr mx. They mentioned Long Branch, NJ, which would lead me to believe it was WRMC, Monmouth College, but the ID sounded like WNCJ. Anyone know? Veries trickling in w/WCOV-v/PP, WADS-v/PP, WRCP v/1 (same typewriter as Jerry Starr's). Has anyone verified WABB WRFS or WEAS recently? All refuse to verify, even w/a PP. CPCers, a good try for a Special would be WGOK-900, Mobile, Ala. The CE seems to be interested in DX reports. Well, that's about it, so C U when more DX arrives. Thanks to Dave Fischer for the loop plans. One mor thing: Does anyone have an address for Bill Alicauskas?

Stewart Drake - 2108 South Simpson Street - Philadelphia, Pennsylvania - 19142

Today, 2/28, I begin my tenth year as a BCB DXer. I never realized when I began this hobby nine years ago to what lengths it would lead. Nor did I realize how many new & wonderful friends & correspondents I would make from this dial spinning. For the record as I write this I now have definitely logged 2,389 stations, three others are questionable, & I have 2,251 verified. Many of my loggings were made through taps & pointers given me by other DXers, for which I am very grateful. Since my last Musing I have heard the following: 2/1- WPTS-1540 Pa. TT @ 12:01. This was rough u/WPTR/KXEL/ZNS. Then just a bit of the Swiss on 1562. 2/5, I saw nothing from KLFN, & a poor signal from KOFO-1220 on Special @ 3:12. On 2/6, a signal on 1280 when WIXI Ky. is listed per IRCA list but you can scratch that one as negative reply arrived today. They do not test on monthly basis. 2/7- A real strong tester on 1600 chobbering WWRL (yay) & CJRN. I sent a tentative to WCPK, but no reply to date. On 2/11 a TT on 1250 when KALC Ark. was due per IRCA f/c list. Pattern copied & tentative sent. On 2/12, a tester on 910 w/short TTs @ 12:38-12:45 & off w/NO ID. Anybody have any ideas? Another on 1250 @ 12:38-12:46 * off w/NO ID. On 2/13 a s/off on 1400 w/Carolina Moon as theme mx. Anybody know if this is WSMY who uses this song? 2/15- WSSC-1230 TT @ 4:33-4:45. This was the morning of SS openings w/one of those rapid talkers going 14 to the dozen on 1080. I tried to catch an ID, but nothing definite, WTIC unheard, & then a s/on @ 5am, but too weak u/the SS to catch ID. 2/19- WLAM-1470 Me. w/hockey @ 12:28am. Then KMMO-1300 poorly on Special @ 3:05. 2/24- WTAL-1560 ETing @ 12:31-12:51 w/l&C signal here. 2/26- WEXL-1340 RS & dominant @ 3am during NX & WX. As to QSLs in: KOFO WPTS WHOP KRBC KXLR, Tirana, Albania-1394. So Bob progresses nicely on his recovery. On 2/2 son Tom & his girl quietly slipped over to Camden NJ & were married. So once more the Drake Family has increased, hi. Good DX to all. 73.

Dave Carlson - 516 Hickory Hollow - St. Louis, Missouri - 63122

Nothing to report except a v/1 & rate card from KOWB-1290 for DX (Wyo. #3) & friendly v/r from WWUN-1590 (plus CM & promo). With Kirkwood High advancing to the state finals in BKB, I don't have much time! 73.

Eric Floden - 13 Parkside Crescent - Ottawa 5, Ontario

Greetings. Veries are in: v/q- TGJ YVLIH CBY CBO WJWL WKBA XERPM CHEX. v/l- HICM CKLC (& CM) ZFB1 WANN (& CM). v/f- Barbados. What is WJWL's power? Totals now 327/75, 8/8, 38/20, 18/13. Two new PSA loggings: 2/24- WALK-1370 @ 6am o/WSAY, WIKO-1470 o/ness. Where do I get plans for an FET booster? I'm now on the BEG's mailing list, which is rather interesting. Attended the hearings 2/6, which was extra good, since I skipped school, hi! So far as Canadian stations are concerned w/Cooper-Trent, they don't mean a thing unless they have call letters. Most stations listed without calls in DX NEWS have been frequencies/powers OKed by DoT - nothing more. I don't believe I've introduced my RX; a humble (\$29) Hitachi TH812 (eight transistor) w/the best loop (only - hi) I've ever used. All DX has been done on this RX, & the totals above are since starting from scratch in mid-August 1967. I bought a calendar from the Wolfman/XERB. HELP! - UnID 1620A gave calls as KGN999, weak & real fady. This 8:13pm s/off 2/24. Police s tation? Will they verie if that's what it is? With no more Wild Child WPTR, I'm lowered to listening to WABC/WKWB/CFCF/WLS/WSAI at night. WANN's P/GM considers CJAD to be "one of the finest programmed radio stations I have ver heard." 73.

Wayne Plunkett - 124 John Street @ Weston, Ontario

Quite busy these days but still trying for all DXes & keeping up-to-date w/developments. An amazing eight veries since mid-Jan: WNPL-1440-DX, total of 59 reports including several from WC - sked 5am-midnight. 4VEG-890-DX w/usual contents; WEEB-990-TEST, first class verie from Joe Kureth along w/CM SC & 1966 Hurricane Inrd & Tracking Chart. KRBC-1470 DX KGLC-910, no verie, only CM (for AN-SM); KOPQ-1220 together w/market data - 48 reports coast-to-coast; WIRG-860 TEST, very friendly invite & CM; WATS-960-TEST, switched to PSA of 385w W 12:20 - another friendly one. 1/8- WDWS-1400 s/off-SSB @ 1:15 new; WGOH-1370-TEST I&C for log 1:21-1:32; WMAJ-1450 s/off @ 2:29; WNPL-1440 DX quite good except for CKFH-1430 slip; WJOL-1340 AN; instrumental mx & TT at times on 560 while trying desperately for CHCM-560 DX; on 620 @ 4:05, WX forecast that certainly didn't fit WSUN or CKCK, so perhaps CKCM-620 but nothing else definite so no report (anybody want to compare noted 3:50-4:05?) WDEL-1150 DX fairly good for a while but almost inaudible bu 4:20, no go on WKMK-1000 due to sloppy CFRB. 1/14- W/dce storm in full swing, CHAM could be easily killed allowing clear WROC-1280 @ 2:30pm. 1/15- Hardly hit the sack this MM as severe WX & downed powerline warnings all over dial. CKFH off before midnight & I sat on 1430 for much time for three hours & SSB s/off @ 12:05, who?, WNAV for good log; WENE off/on; unID s/off lam w/no an-then. Around 1:50, commercial for Chev Canaro on "Broadway just S of Bellevue", who, please? WVAM ET @ 1:52, then almost surely most wanted KLO but I couldn't get definite ID & WIL killed chance for 2:30 ID by ETing @ 2:29, drat! Urah this remains as my only state (except Alaska) w/only one station in log. KLO would appear to be the best bet if CKFH would every take a holiday- bring on another dandy ice storm, hi. Log on WYDE-850 12:42-1:03 s/off on top w.no WJW; CHUM-1050 had brief power failure @ 12:57 but back before chance for lam IDs; KB (??-ERC) off this AM & CHML ran OC from at least 1:20 till prompt 5am s/on; WEEB-990-TEST battling CBW/WIRG; WHDH-850 controlled 850 all AM except @ 1:34 another 850 w/plug for Radio Bible Class, Grand Rapids. KOA, or who? Presume AN SS-1140 this MM @ least was WITA; for the final mystery of this wild MM CHFI on OC after 5am (unusual as usually concludes rare MM ETs by 4) religious EE program @ 5:10, help? TT-1470 had to be WIZE u/CHOW/WHO/WMBD. CUN7.

Walter A. Rogers - 118 N.W. 24th Street - Miami, Florida - 33127

About time I wrote again, hi! Not much DX in here between nob, school & family. I've sent 35 reports since 12/1, & gotten only five veries, 15% return. Veries since last Musing: 2/3- 4VEF-1035 v/q; 2/16 WQXR-1560 unu, 2/19 YVRQ-910 v/l-SS, 2/23 WOAI-1200 unu & KWKH-1130, new for me. I finally got my Heard! Verified total right, 158/121, countreis 11/5. CX aren't too good lately, just when I think I have a new CA or SA it turns out to be a Cuban. I wish Cuba would have a power failure, hi. When Uncle Sugar sends my tax refund, I'll get a new RX & maybe then I'll have more to Muse about. I'm all for an NRC Log, since most commercial logs are outdated before they're printed. That's it for this Muse. 73.

Phillip Svingley - 316 North Jefferson - Muncie, Indiana - 47305

Just a few lines to let you know of my change of address - at last my tour of active duty is over. It sure was a long two years @ Fort Hood, Texas. I am planning to get married in July. I'll Muse soon. (Welcome home, Phil & congrats in advance! -ERC)

March 9, 1968

DX NEWS

5

Bill Reezko - 3015 East Lincolnshire Boulevard - Toledo, Ohio - 43606

Hi. Not too much doing here lately, except for a few good foreign stations being heard. February loggings were KRKD-1150 KOFO-TEST KIFN-TEST LR3-950 ZP14-1020 LT10-1020 WRJS-1090 OAX4A-854 HCNV2-870 CX28-1090, plus many others; these were the best, though. Recent veries are: v/1- WKLD PJC2 KFVS KRKD KMIS KIFN KOFO CHCO. v/q- JBC-750 JBC-620 CKCW WDR-1586 plus a beautiful card from WCOK-1060, now my nicest looking card. Country statistics now at 43 heard, 29 verified, w/one tentative country (Switzerland). I'm really looking forward to the NRC Log, but hope it doesn't have as many typo errors as the first page of DX NESS (sorry, JAC). Also, w/the dues increase, I think we should get publisher's HQ a new typewriter; besides being very hard to read, the present one seems to cause mistakes, hi. I am against the DXDD, mainly for the reason that I don't like the idea of "selective editing." Why should one person decide which tips to include? What that one person may think is just a routine tip may be very important to someone else, possibly a new state or something. I'm having TVI problems again, & the TV is never off before 2am, so DX is limited. I'll be in Cincinnati in June, Jerry Conrad! I hope to see many other NRCers there too! Anyone else going from this area, contact me if you want another passenger, hi. (I don't want to take a bus, hi). 73.

Steve Bezilla - 307 Second Avenue - Osceola Mills, Pennsylvania - 16666

Not rich to report but this will be my second Muse this Winter. How does that strike you? I'm sure glad for the go-getters we have in the Club for they make the great bulletin that it is. My radios are not of special type & DXing since the middle 20s makes it hard to catch new stations. Maybe some day I will get me a good RX. I pulled in three new ones this month: 2/1- WHJC-1360 Matewan, WVa @ 5:44pm. 2/23- WCPK-1600 Chesapeake, Va. @ 5:17pm. 2/25- WDXB-1490 Chattanooga, @ 7pm. How is that for a graveyarder? On top for about ten minutes! Excuse me - this new one will make #4 - brand new WJSM-1110 Martinsburg, Pa. on RS, about 15 miles SSE of Altoona, March s/on 7am, & s/off 6:15pm, 1,000w. They had FM on for some time now. On a Saturday @ SSS, WKLV-1440 Blackstone, Va. was heard s/off, not to return until MM - no Sunday broadcasting? Lady announcer on this. 73s for now.

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

What happened the night of 2/28? Was there a magnetic storm or something? All the regulars were missing except locals & semi-locals. 950, which keeps the S-meter at about S-8 or 9 normally during early evening hours; had two very weak signals @ 8:10 pm, one of them seemingly SS, barely pushing the S-meter up to S-1. What is the SRDS, mentioned by Randy Kane as a reference for the NRC Log? DX: 2/18- YNMV-8/50 Maragua 2:29am IDed as "R. Continental", TIRS-975 San Jose 11pm "En Costa Rica Aten- ea." 2/19- WIBS-695 Windward Islands 9-9:08pm NX by woman & then ID @ 9:08 $\frac{1}{2}$, "This is the Windward Islands Broadcasting Service." HRTV-715 Tegucigalpa 10:14pm IDed as "Radiotelevision" & then had rr in EE. 2/22- KNWS-1090 Iowa 6:42pm admonished lis- eners to turn to KNWS-FM, had instrumental until 6:45 when it went off the air a- bruptly; YVQT-1110 Carupano, Venezuela 7:10pm IDed as "R. Carupano Musical"; KMRS- 1215A Minn. 9:23-10:31pm. 2/23- KBIZ-1240 Iowa 1:01am s/off w/no anthem, KGVV-1400 Texas 1:30-1:36:30am tuneout f/c, KATE-1450 Minn. 2:01am s/off w/short instrumental & then short vocal, KPCR-1530 Mo. 2pm w/WCKY looped. ??-1250 SS heard @ 7:15pm & then SSB @ 7:30; does KUKA use SS? Also 2/23, KBIM-1230 Ark. 8:56pm w/Jonesboro-Little Rock BKB. 2/24- WWCA-1270 Ind. 1:08am s/off w/no anthem, returns @ 5:30am local TX, bet on upper side of 1240 went off @ 1:10 so that must be s/off time for the Mexican or whoever is there, WSOY-1340 Ill. 2:02am s/off-SSB, CJWA-1240 Ont. 4:02am IDed w/ "This is the CBC Radio Network, C--- (sounded like CJRC) & CJWA." Who simulcasts w/ CJWA? CJWA had 2 to 3 minutes of CBC NX @ both 4 & 5am on 2/24; first Canadian graveyarder for me. WJIM-1240 Mich. 5:28 $\frac{1}{2}$ am w/NX/WX, KODE-1230 Mo. 6:34pm, ??-1210 7:15pm, some domestic daytimer still overpowering WCAU, WILY probably forgot to s/off, KLIC-1230 Ia. 3:31am AN SM only. 2/25- CHSC-1220 Ont. 5:05am on RS already w/c/w NX, KRVN-1010 Neb. 7:14pm s/off w/instrumental, WBAL-1090 Md. 11:59pm s/off-SSB; returns @ 5am (logged w/KAAY looped). 2/26- KIBK-1340 Tex. 1:39am w/20-20 NX, WLDY-1340 1:40am f/c, WFEC-1400 Pa. 2:15am end of f/c, WEVE-1340 Minn. 2:30am IDed & then seemed to s/off after various TTs from 2:15-2:30. 2/27- WWUN-1590 Miss. 12:59am IDed as W-1, WIBU-1240 Wis. 8:34 $\frac{1}{2}$ pm, ??-1022A 10:30pm mentioned Nicaragua & IDed as R. Vie- lay". 2/28- WLCX-1490 Wis. 2am s/off, returns @ 7am, not AN-6 like I thought. 73.

Bruce Reynolds - Route 2 - Warrensburg, Missouri - 64093

It will be another shortie this week, as not much is happening on the DX scene. I hope to have much DX to report next week, as my final exam of Winter term is in the morning, then I have a week off. Brief SM 2/25 session netted WTIM-1410 w/c/w mx u/ KCLO w/the latter looped @ 9:46am. MM 2/26 brought HJNX-670 in weakly through WMAQ OC @ 3am, HCN-1501 for report @ 3:52am, WBUY-1440 @ 5:43am, then a rash of 1460 s/ ons. WOCH, Ind. s/on @ 5:59am, WMBR @ 5:59½, & WDYX Ga. @ 6:01am. I notice WMBR has a PSA. Anyone know if they do go all the way down to 500w to be non-DA @ s/on? Veries have been absolutely non-existent here this week. I've decided to try the Lafayette IF module described in the Feb-Mar issue of RIVE. (Page 85). I'm bound and determined to have the hottest Heathkit GR-64 in the nation, hi. I recently completed the FET amplifier & it works fine. Well, 73s & happy listening.

PEC L.A. (Allen) Nissen - RA11759974 - HHT 2/11 Arnd Cav Regt - Pers - APO S.F. 96257
Greetings from you-know-where. I'm OK if anyone is wondering - only nine more months here, hi. It's been a busy & hectic three weeks but things are returning to normal here (for Vietnam). I'm glad to hear Stewart Drake's son is coming along fine - keep it up! AFVN in Saigon is now on 540k (from 550) w/50,000w NSP. AFVN also has a station in Qui Nhon on 770k w/10,000w - comes in very well down here. They also have a station around 910k - I still don't know where it is. All AFVN stations are parallel to one another at all times. The AFVN on 770 IDs as "AFVN in Saigon - 540", just as the others, so it's kinda hard to figure out where they come from. I was in Lai Khe for a few days, & they have RADIO LAI KHE- KLIK-1330. It's run by the "Big Red One" & they play c/w & rr w/AFVN NX on the hour. I can't hear it here though, about 75 miles away. I'll be getting the World Medium Wave Guide soon, so I can finally figure out where some of the stuff is coming from. I was up around lan on SM 2/25 & heard quite a few Phillipine stations, all in EE. Unfortunately, it was dark & I had no flashlight, pen or paper, & my memory isn't that good. Anyway, all three stations were in Manila- 680 960 & 1130. The 680 station has "Starlight Serenade" & the announcer was asking for letters addressed to a PO box in Manila. The 1130 station was playing continuous pop mx, w/IDs every 15 minutes w/ "The Sound of the City." The 960 station was quite weak, & they were playing mood mx. I wish I had pen & paper handy to jot down some info, but out here luxuries like that are hard to get at lan. Does anyone remember Don L. Brink - he used to be the AN jock on WIEG & other stations? Anyhow, he is now on AFVN doing an rr show from 7:05-9pm Mon-Fri. He always talks about Philly. S, that's about it for now. If anyone wants to write, please drop a line - I WILL answer. I'm all for the dues increase so count me in. 73 for now - keep well - and stay away from Uncle Sam. As they say someplace or/other, WHVC - We Hate Viet-Cong. Take care. (You do the same, Allen, & blys, how about dropping this NRCer in far-off Vietnam a letter? -ERC)

Steven B. Russell - 8914 Mohawk Lane - Bethesda, Maryland - 20034

DX: 2/12- WUNI-1410 12:48-lan s/off w/NA u/WLAQ, WKBH-1410 1:07 s/off-SSB in the clear w/WING off. CHCO-1390 1:46-2:08. 2/13- WBLV-1520 6:33 s/off o/WKBW/KOMA. 2/15- WJZM-1400 r/c 1:01-1:16, WDEH-800 r/c 1:19-1:30; WDXI-1310 r/c 1:39-1:50. 2/16- WSIG-790 r/c-IT/OC 12:49-1:10 & on. 2/19- KMMO-1300 in w/a very good signal o/WMAK on TEST 3:02-3:15, WBIS-1480 r/c-mx 3:15-3:28, WPNX-1460 testing w/their daytime pattern, KCWB-1290 on IRCA DX 4-4:05 w/TT. 2/23- WLFA-1590 6:17-6:30 s/off-SSB. KMPL has been coming in every night for the past two weeks o/KB (??-ERC) until their pattern change. WKBH's verie says they've received only five other reports from the EC in the last three years! Verie received last week from KCLR for last year's DX TEST! Better late than never, hi. Veries: v/10 KLFN KOFO WJBO WKBH KCLR KWRF CHOO KCWB. v/q- WZKY, w/advertising & all, WIFE. v/f- WIRV WLOF WSIG. Few more veries just received: v/1-KBIB, v/q WAVZ XEMO. No verie in from WTSN yet, but I'm getting worried as I see everyone else already has received his. 73 & best of DX.

David T. White - WIRV Radio - Irvine, Kentucky - 40336

Hearty hi to all. DX vdr y nil since last Musing. You know me, write anyway! Veries in from WCTT WQXR WMAQ WKYC, all v/q. I'm looking forward w/great anticipation to the simultaneous listening gig. Looks like it should prove to be challenging - especially for DXers w/my rate of activity! Oh well, I'll give it the old try. It appears TAs are coming in fairly well on the top end of the band during the early AM. Nothing positive here, as I can't split them w/my present rig (even w/antenna tuner). I've just noticed some strange hets & musical ditties. Well folks, I'd better (P. 7)

March 9, 1968

DX NEWS

7

(David White) end another action-packed Muse w/ry usual 73s & best of DX to everybody. Attention, R. Steele - if you've got a broadcast endors., I'll get you employment REAL fast.

Ghan Heuser - 303 Ash N.E. - Box #435 - Albuquerque, New Mexico - 87106

A few more domestic catches, including a new state at this QTH, in WTIC-1080 at 4:54 am 2/26 w/a series of pronos & NX u/KRLD hum-test. KCBC-1390 Des Moines 6:04am w/ID & WX. KNBR-680 noted @ 8:40pm w/an ad for Ch. 7 NX! (Ch. 7 is ABC!) KIBE-1220 Palo Alto strong w/cl mx until 8:45pm s/off, referring to FM affiliate. In the absence of a great amount of domestic DX, O'd like to talk about a subject near to my heart, DXing harmonics. There are all kinds, but I'll confine myself to those produced by MW stations. Most of us who can tune up to 3200k are aware of the many local BCB harmonics, mixing products, & perhaps IF images appearing in this range, particularly in the daytime. Occasionally, much to the XXers' delight, some of these harmonics are strong enough to propagate by skywave, much like a low-power (tropical) SWBC station, & make fine DX catches from the standpoint of small power & unintentional radiation. Often one can hear stations, such as graveyarders, that are inaudible on their fundamentals. Strictly speaking, "mediumwave" extends up to 3,000k (and down to 300k) so you can still call yourself a Mediumwave DXer even here. For our purposes, a "harmonic" is defined as a station appearing on an integral multiple of its fundamental frequency. Thus, a station on 770 may show up on 2310 (770x3). For various reasons, such as the peculiarities of crystals, it may make an appearance on non-integral fundamental multiples, which are not properly called harmonics, but instead simply "spurious radiation." Such a case was R. Fronteras, YNEB, Sonoto, Nicaragua, heard on 2186k for a few days in 1/67, although announcing 1330. Mixing products also account for non-harmonic frequencies. Like observed harmonics, they may arise either at the transmitting site or in the RX. For mixing products to propagate, the transmitting sites must usually be quite close to each other. I have not yet observed such a case involving mediumwave stations, but have with SW stations. It is highly important to be able to distinguish between RX & XR-produced spurs and harmonics & preferable to eliminate the former. Optimal alignment of an excellent RX is best, but other measures may be taken, such as experimenting w/ground and antenna terminals. More next time! 73.

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

Domestic propagation has been a little longer & better although good old Auroral short skip was on 2/27. Impossible to get WSAJ DX due to local NSF WOOK-1340. DX: WXCO-1230 2/20 2:20am very brief in QRM. A much needed KFGC-790 ND 2:54-3am on r/c per NRC list but WTAR mixing. HJBI-840 2/26 2:40-2:44am. 2/26- WAMS-1380 Del. 12:10-12:16am r/c-NRC list & ID at end of TT. WEED-1390 NC ET 12:15-12:30am w/ID ~~xxxxx~~ 12:25 & very strong here. Possible CHEC-1090 @ 1:10am w/CBC mx. (Or CBIK-ERC) WAMC-860 2:30am w/weekly AXR test. WTAD-930 Ill. 2:35am w/WX I&C. CKKW-1320 3:10am Probably WXVW-1450 3:20am w/HL. WMPJ-1450 Fla. 3:30 w/NX. Possible WBAB-1440 3:50am w/NN programming & mx. (Never, Paul- WBAB is daytime only & an album station -ERC) 2/27- WSGA-1400 Ga. 3am w/WX. 2/28- WOPA-1490 Ill. 3:45am w/"Sounds of Today" AN. Seems CKCY has a program on Sunday, 2/25, @ 9:15pm, called "Radio Fiure" which opens w/a bird call & is either Italian or SS, and so that's another loose end tied up and solved. V/f on from WDR, Germany, in EE w/all info & frequency, sheet of programs common to WDR & NDR was sent. XEG sent a v/? that came from Chicago that had my info typed in but no v/s. v/q- KSVU Utah. I am going to try to make it to Boston for the Convention this year. It's been a long time since I had a vacation of any type. I've had very little contact w/any DXers & would like to meet everyone & talk about "tricks of the trade." The verie album will come also. An HQ-180 is in mind, but exists only in yke mind so far, not in the wallet. I have asked for specs on this & on the HRO-500 although the latter for the price will have to be repairable as easily as the HQ-180 & have features \$500 superior to the HQ. I am quite satisfied with the dues increase and the extra features that we have had and those forthcoming in issues of DX NEWS. I have a new schedule coming up but I will try to have some DX in next week's bulletin. I'll try to have something anyhow. Any qualitative info from someone owning an HRO-500 would be much appreciated. Also Galaxy has a new R-530 that bears watching. (If the bears are watching it, maybe the DX hounds will, too- ERC) WE HAVE A CARD FROM LEN KRUSE INFORMING US OF A SPECIAL F/C TEST ON FRIDAY 4/19/68, 2:15-2:30am. THIS INFO IS BEING SENT TO JAC FOR INCLUSION IN THE DX CALENDAR. ERC.

File - 5039 Scout - Lincoln - 68506

Recent loggings: WCHI-550 & WELQ-580 (Miss), CKY (Man) CPQC-600 (Sask) KNFT-620 Tex. TIRICA-625 San Jose continuous mx, solid nightly. CPQC-630 Man WIBC-660 WOR-710, R. Barbados-780 MM's/on @ 5:30am, WGY-810 XEMO-860 KPRC-950 Tex., KOOL-960 Ariz. KBIS-1050 Mo. WNEW-1130 WSLM-1220 (Ind) WEERE-1300 O. WOOD-1300 (Mich) KWBB-1410 (Kans) WKBW-1520 WAAY-1150 Ala. KMMO-1300 TEST seems to have been well received. This one was my first TEST & Bill & I thank you all! More later! Now I'd like to propose to all of you NRC Musers the following (I don't remember if JAC got this one in my fat letters or not). Suppose someone (like ERC) would select a certain frequency, frequencies, segment of frequencies, station, or stations to be DXed by all NRC/Musers during a given period of time (say one week - the frequency of DX NEWS). Then all Musers would spend the first few lines of their Musing the following week giving data about what they logged as per the selections made by the person head of such an endeavor! In this way each Musing would have something in common, CPCers could scan stations/frequencies easier & I'd think most would find it interesting to know what's going on at other BCB sjacks on these frequencies etc. This way you can report your regulars, semi-regulars etc. To help paint a picture of 1300k (say) as NRCers see it!" So how about it? I think it should be handled by one person & about 3,4,5,6,7 lines at the beginning of the Musings section of DX NEWS be given over to the "weekly loggers' list" (or some such name?) It should be no trouble to set it up each week, it seems to me. Come on, let's do it! Who knows how many ears are also hearing that weakie under that semi-local in a null you've been chasing for years. B C N U N 7. (How about calling it "Your required homework for the week"?)

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

Well, I missed last week, so I will have to catch things up. I didn't do too much for about a week, so will suffer in veries next week. Here's DX: 2/17- Rarely hear WPRS-1440 Paris, Ill. logged on RS 12:32-1 o/usually dominant WDCW in afternoon. MM 2/19- WJW-850 o/KOA; believe it or not w/almost non-stop mx, IDs every 15 minutes, but I sent letter anyway. WRBC-1300 Jackson, Miss. s/off @ 1:37 w/SSB. Also WELQ-580 Tupelo, Miss. s/off @ 2:03, mentioning 5am s/on, so not off too long. KOAM-860 was the loud OC around 2:08 & on during the AM. KMMO-1300 beautiful on good TEST 3:03-3:30 & on. KOWB made it through the unbelievable mess @ 3:15-3:16:30 w/two CW IDs & an aural one. (CST - ERC) Verie back already. That afternoon new KPCR-1530 heard on SSS briefly @ 6:25, WCKY too loud though. Also heard was KPWB-1140 @ 6:40 s/off. Up to 2/23- WMPA-1240 on SSS ending NX @ 5:03, but soon faded. KWAM-990 in well w/c/w mx every once in a while w/thre4 commercials, then KWAM call letters, then three more spots. Talk about triple billing! Logged 6:30-6:41 fade-out to KNIN. 2/27- WSIM-1220 ET @ 1:17-1:19 w/instrumental mx i/KOFO TT. KOFO was in w/a fantastic signal later, better than on TEST. KWAK-1240 Stuttgart, Ark. on r/c faintly 2:46-3 w/TT, new one for me. CHSC-1220 logged 3:08-3:30 w/AN c/w show, very weak u/KOFO. Up to 3/2, WJPF-1340 heard @ 1:25 s/off, so evidently not NSP anymore. KEYD-1220 heard on r/c-TT 1:45-2, second month in a row, so evidently r/c. While I am tping this, I am listening to an unID TT on 1250, sure is nice, hi. I note in the paper tonight that WNUS-1390 is dropping their all-NX format 3/15, so watch for new call letters on that one soon. Veries in since last time; nice. Nice v/l from WWCN also from KREI WSWN KLEY KOWB & KVRA. v/CM from KLOL mentioning call change to KEYC as of 3/1 and r/c last Thursday 2:30-2:45 w/TT. v/f from KRMG & v/q from KGVW for TEST last year. I now have 666 veries. I have noted WPEO-1020 is now c/w 100%; another one on the bandwagon. Oh yes- WKPR-1420 & WDOV-1440 not heard on r/c first Sat. for three months - so possibly no longer on them. (WDCW is now on third MM @ 1:15-1:30 -ERC)

Stan Morse - Route 3 - Bradford, Massachusetts - 01830

3/1- CBE off a day early & CBAG on top of 1550 w/last day of CBC AN Show. WIRV, Irvine Ky. testing 2:55 & WYOU Tampa @ 3. WAAY seemed to be there AN also plus an SS. Other CBC ANs all giving "last night" announcements. Recent/veries; WHRF WFBF WIQT WCEF CKWW Muhlacher-575 & WCAS w/a five-lb. verie from Muhlacher, v/l, a big lot of post cards, book on radio in SS EE & GG, travel folders & a tape - all from the announcer I heard & taped. WCAS said mine first report from "Free Croatia" as report was hand-delivered - I used Free Croatian stamps on the outside. CHSC-1220 St. Catherine's, Ont. also reported on AN c/w show this week. AS THEY SAY IN BOSTON, "WILD." "WHOOPT up on LABOR DAY." WHERE? IN BOSTON!

March 9, 1968

DX NEWS

9

Tom Hartloff - 179 Depew Avenue - Nyack, New York - 10960

Hi all. Only real DX here has been on 2/26: WLCB-1310 Portland @ 1:31am for my first Maine on RS. Quotable Notable: "We would be happy to confirm any further reports on any subsequent EPs." That from WSME. They returned my PP/c & sent nice v/l, too. So there are two Mainiacs to try for if you need them. The WSME verie was my first Me. (state #33). Some ownership data: The Garnett Group (owned by Garnett Newspapers, for one of which I work): WEZY Cocoa, Fla.; WDAN Danville, Ill.; WINR, Binghamton, NY & WHEC, Rochester. The Straus Group: WMCA NYC, WTLB Utica, WGVA Geneva, & WALL, Middletown, all in NY State. Verie totals soaring. Up to 235 w/latest: WIBX-950. the only good thing I heard while in Troy NY for a weekend. They sent a very friendly v/q/ Among others: v/PP: WYSL WBCB WHAT. v/q- CBO WBBB. v/l- KOMA WMID (on back of CM) CKFH WAOK WFRA & exotic five-watter WRPI-640, Troy NY heard weekly ten blocks or so away, v/s is NRCer Christopher Lucas, PD. I did have a good phone chat w/Chris while in Troy. WABC is awfully directional there but WPTB -1540 covers 1500-1600 except for WKOL-1570 Amsterdam very weakly (ex-WAFS). No one on 1600 in Troy yet. A big thanks is due NRCers Gary Peterson & Wayne Neinen for getting veries for KOMA & WYSL, respectively. The last I knew, I. Seymour Chassis lived in Belle-view, Mo. (The Show-Me State). 73 & I'll be in Hamburg NY in April. Good DX, all.

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

Only two veries received here in the past month; both as the results of NRC TESTS. WDEL-1150 v/f (from NRCer Jow Jones) & WIRV-1550 v/f & CM (from NRCer Dave White). Anyone notice that WDEL has two different Zip Codes - but only one address? Check their letterhead against their envelope, hi. DX: 2/5- WVAM-1430 noted w/TT @ 1:55. 2/6- WFBC-1330 s/off @ 12:15 w/instrumental SSB & announced s/on @ 4:50. 2/13- WQXR-1560 testing o/WDXR, heard @ 12:58; & WPUV-1580 noted w/r/c per NRC List. 2/19- KMMO-1300 TEST putting an S-7 or better signal into this area at all times, & I listened to most of the show 3:02-5. Glad to log KMMO from this location as they were my local for four years while I attended Mo/ Valley College in Marshall. And the KMMO CE, I believe, is a former acquaintance. My thanks to NRCer Dave Fischer for arranging this Special TEST). 2/26- WQXR-1560 s/off 12:08 (no SSB) & announced s/on as 6am; CJRN-1600 @ 12:20 "remaining on the air for technical adjustments to XR" using MoR rx & off by 12:45. WIRY-1340 s/off @ 12:59 w/instrumental SSB o/WMID. WOOD-1300 noted on r/c-TT as per list, & s/off @ 1:18. 3/2- CBE-1550 off before 1:15 this day. Umm WSHN-1550 heard poorly on r/c 1:17-1:25 & on. KSO-1460 unusually loud. WBRY-1590 clobbering a surprisingly very weak WAKR. Semi-local CHSC-1220 went AN-5 in early Feb., off SM & MM before lam. On Mon-Fri they have "Main Street Jamboree" - a c/w rx program from about 1-5am. As far as I'm concerned, I'd like to see Musings remain just as they are. Some change in the bulletin is OK - if it's for improvement and not just for change. But Musings should be left ALONE - KEEP UP the GOOD WORK! 73s & good DXing.

John Javetski - 104-21 122 Street - Richmond Hill, New York - 11419

Hi, y'all. DX very meager lately, due mainly to my own soporificity (?? -ERC) & an unofficial DX Fast of Queens, owing to the departure of the King of Procrastination. Doug was a great guy (almost as good a DX r, hi) & we're sad to see him go. His K-graveyarder (KFMO-1240) was a first for Queens. Well anyway, down to DX (or lack of it). 2/6 AM- CKEC-1320 bombing @ 12:05 s/off but umm. WUNO-1320 Puerto Rico right after w/good signals. WBUX-1570 Pa. ET end @ 12:11. 2/8 PM- Great Va. CX, w/WCVA-1490, WJWS-1370, WHBG-1360 all on top before sunset. Also WQXL-1470 SC u/WSAN @ 5:27. 2/9 PM- I took log on umm WXIR-550, S-8 @ 5:15. MM 2/12- Only newie was KDEW-1570 ET/OC @ 1:10. 2/13 PM- HJGI-1365 weak @ 6:29. 2/14- WSWN-900 Fla. ET/OC 12:15-12:30 am. WHOM-1480 f/c 12:45 & on. KDIH-1370 Iowa r/c weak as listed. PM- WEEB-990 6:00 s/off. 2/15- XEDF-970 loud after WJRZ s/off @ 2. CBL-740 off so log on KRMG, o/u CBL OC & Cuba. 2/18 AM- WAPE-690 pinning needle & asking for reports @ 3:31. WSME-1220 Me. ET/rr 3:35 & on. 2/24 AM- New WPAI-1560 ET/rx 12:38-12:51 off, WTBE-1520 ETing all AM. 3/1- KFVS r/c loud o/WELL OC 1-1:15. Incidentally, WBRY-1590 Conn. has good Blues show @ midnight weekdays. Any blues fans or guitarists, please write. Sorry to have missed some good CXes but I have no one to blame but myself. I will most likely be at BOSTON '68. If Marc D. has reached 1,000 yet, congrats. Totals now 843/203, 43/38. Anybody notice the sudden upsurge of pirates? It's a good sign. (Why? -ERC) 73s & aufgewegebstiegel gewundenbach to you. (Is that good? -ERC)

Don Kaskey - Hotel El Rancho - Box 235 - West Sacramento, California - 95691
 2/15- KDHI-1250 Cal/ s/off ET 3:13 through KTW. 2/17- KOWN-1450 Cal. noted w/new AN program, c/w; KASA-1540 Ariz. s/off 8:12pm. 2/18- KGRB-900 Cal/ s/off 8:29½ u/ KBIF. 2/19- Weak ETER-1460 3-3:30am, probably WPNX, 4QD-1550 Emerald, Queensland. o/u CBE 4:20-6am for my first Australian. WHBC-1480 Ohio quite strong 6-7am o/QRM & WLAQ-1410 Ga. through hash for ID @ 6:11am. Veries in from KGVW-630 & KSDO-1130 v/q & KAIN-1340, KAIR-1490 KQEN-1240 KDEW-1470 KOOD-1480 & KOXR-910 v/l. The ERBA fun weekend was a smashing success w/29 in attendance. Taking part were: Marty Levy, Bill Lipis, Paul Lotsof, Wayne Coombs, John Richards, Dave & Barbara Martin, Mike Levintow, Len Lockwood, Jim Korn, Larry Godwin, Bob LaMotte, Ed Krejny, Randy Seaver, Don Kenney, Don Erickson, Frank Kennedy, Randy Miltier, Bob Pietsch, Ron Schatz, Saralie Bush, Mike Northan, Dave Prather, Clarence Freeman, Gene Mattocks, Dave Oliver, Chico Martino & brother Bob, & myself. So much happened during the weekend that it's difficult to recount it all. Ruthie Nelson had the distinct pleasure (?) of hearing Ron Schatz' voice @ 6:30am one day - our apologies Ruthie & JAC heard first hand the voices of those still conscious Sunday afternoon. Don Kenney was among the many new ERBA initiates & this will probably affect his DF bearing from now on. A very enjoyable weekend. Now it's Cincy in June & the BAD Guys in September. Then, WEST SACRAMENTO in '69. 73.

Ralph Johanns - Buffalo, New York

That Fla. satellite knocked the bottom out of the Polar Airpot & it's leaping all over the EC fences. (The WX Bureau fired me!) SM 3/3 & after the NX @ lan, CBE-1550 vanooosed for the night & WKBW-1520 (friend of rr) leaped over-in (they need a test again!) & 1560A had some Castro-YL etc. Nothing happened & I tired out on 1360, waiting for that TT to open his mouth, while WKMI-HI-AN. Back on 1550 @ 1:59, TT @ 2 (restricted-info YNX, Smyrna, Ga. ET w/10kw. & mx, then to 2:10. 3/2 was for Ky. as CBE-1550 was AWOL & WIRV ET/mx-ed 3:13-4:10 (not reported as I don't want any plain-paper mimeo note a la Chuck R. for the TEST), then r/c-TT by WPRT-960 from 4:28-4:45, while r/e-TT WDOC-1310 managed 4:47-5 through three ANs. v/q by WKBW-1520 (quiet, you) on the NEW brown/on/beige v/q w/the other Capital Cities stations (WPRO WPAT WROW WJR WSAZ), CES name is printed & DX report-date in. v/q by Salisbury Md. "All I have on is WJDY-1470. (with the nude baby picture!). Don't get any more Maine TESTS - they don't v/l, like WAAB WRIT WGOH WLEG WTSN YSF etc., kind-of "Xas-P-Rating." Chuck has some BG knfo: Don't take KCTY-980, they just got fined 10Gs and only got a short-term renewal by FCC. WBCC-960 went CBS & WCOV-1170'll go NBC in April. WOKO-1460 is now Area Radio Inc./; KETO, Anco Inc., Seattle got KSND call & on 810, 250D, Dodgeville Wis., Dodge-Point bg. Co. has W.D.Hanlin, Owner in PO Mineral Point, Wis., 110 Dodge St. as QTH (in case you near then). RCA in Camden NJ has developed a five megawatt antenna for UHF, when used w/110kw. XR (highest FCC allowed). I hope WCAS-740 gets it. New rumor is Dick Cooper (Pa.) gave his Hallicrafter to JAC to DX with. CHSC-1220, CHSC Ltd., Box 1220, 36 Queenston St., St. Catherines, Ont. v/l, CM saying AN w/MM 12-6am off for XR maintenance & this could change in the future. We must protect Buffalo's WNIA-1230, or we'd have even a stronger signal there

Lon J. Berney - 1511 Dieren Lane - East Meadow, New York - 11554

Greetings: Three veries received this week, a v/q-CM from WJWL-900, Del. & a v/r-CM from WKIG-1580 Ga. Also the usual v/q from WMAZ-940 Ga., except that about 30% of the card is missing, having been torn off somewhere between Macon & East Meadow. Almost no time spent at the dials this week, as I lost my longwire in the wind & snow-storm. I did send out one reception report, to WNAB, & it probably goes on record as the most unusual one I've ever sent. Instead of using a typewriter, I typed out the report on an IBM model 026 Key punch, & ran off the report on a model 407 printer. This was done at the computer center of the State U. of NY where I am a student. Now, if I can teach the computer to pull in those DX stations, hi. Back when there's some DX to report 73s. (Ask Gordie where his computer learned that trick -ERC)

Bernie Duffy - 1100 Clove Road - Apt. 6H - Staten Island, New York - 10301

I finally got a prompt, nice & specific v/l that I treasure from KOWB, Laramie, Wyo. "Since you were able to give the exact time of our c/w ID, this letter is to confirm your reception of KOWB on 2/19 @ 4:32am EST. I gave that ID right after changing to high power & daytime pattern, so although you only heard one c/w ID, nevertheless, I'm glad you were able to hear our DXcast through intense QRM." 3/4 I tried for WSWN-TEST but not heard through CHML & an FF @ 12:45-lan.

March 9, 1968

DX NEWS
HEARD SINCE LAST ISSUE

790	K B R V	Ex-5401 now 5,000D-1	FCC	1330	W M L T	Now 5,000/500 U-2	FCC
920	W O K Y	New day DA pattern	FCC	1480	W W K O	Fair Bluff, N.C.	FCC
970	K V W M	Now 5,000 D-1	FCC	1590	K H E N	New XR site	FCC
1270	W C M R	Now 5,000/500 U-4	FCC	1600	K N C B	Now 5,000 D-1	FCC
1110	W J S M	Martinsburg, Penna	NRC				

CHANGES IN STATION DATA - FCC

(Purchased from Cooper-Trent Division of Keuffel & Esser Co., Washington, D.C.)

NEW CALLS

940	W L Q H	Chiefland, Florida	1320	W C V R	Randolph, Vermont
1060	W G T R	Natick, Massachusetts	1450	K V S L	Show Low, Arizona
1070	W K D R	Plattsburgh, New York	1490	K V A C	Forks, Washington
1190	K P A R	Albuquerque, New Mexico	1520	W K M G	Newberry, South Carolina
	W S M L	Graham, North Carolina	1000	W L M S	Leominster, Mass. (on)

call change

1460	W A K S	Fuquay Springs NC fr WFVG	1360	W S F R	Sanford, Florida
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DELETED

FACILITIES

750	K M M J	Grand Island, Nebraska, 10,000 L-3. Cancel CP for 880; remains here.
880	K R V N	Lexington, Nebraska, to 50,000 U-4, from 1010 kc/s., 25,000 D-3. 50,000
1070	W N C T	Greenville, North Carolina, to 10,000 U-4, from 1590 kc/s., 50,000
1090	W K T E	King, North Carolina, to 1,000 D-1, from 500 D-1, same channel.
1230	W J O Y	Burlington, Vermont, 1,000/250 U-1. Move XR SW; taller ant. (353')
1400	K L I N	Lincoln, Nebraska, 1,000/250 U-1. Move XR ESE, shorter ant. (260')
1450	W D A D	Indiana, Pennsylvania, 1,000/250 U-1. Move XR SSW, w/153' antenna
	W L A F	La Follette, Tennessee, 1,000/250 SH-1, from U-1.
1500	K U M U	Honolulu, Hawaii, to 5,000 U-1, from 1,000 U-1, same channel.

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

Greetings fellow NRCers. Three weeks ago I took my RX to a radio-TV shop to get the BCB alignment fixed, but still don't have it back. So I'm now using my old GE 17 transistor, which isn't really too bad for domestic DX, but I can't get more than a couple of splits on it at the most. I called up KWEB-1270 at Rochester the day I took my RX in to get fixed, & was told they will be going fulltime in April or May. They didn't know if they'd be AN or midnight s/off. I sure hope not AN! I suppose they will be directional this way to protect WHBF, so 1270 won't produce any DX with KWEB on the air, hi. Reports out to the following since last Muse: WDW-1440 WIOK-1440 WVMG-1440 KMMO-1300 WTAR-790 CJIC-1050 CKOC-1150 WATE-620 KWKH-1130 CKWS-960 WOOD-1300 KHEY-690 WJWA-1240 & WQTC-1590. Veries: WVAK WLEB KONO KLZ KOOL KFBK KATI KWWL KGA WHIO CFRA WIOK CJIC KOZN (for reception last June u/vall of KOWH). No time for anything else. Good DX & 73!

Bill Alisauskas Jr. - 7 Avenue B - Haledon, New Jersey - 07508

Hi everybody! Well, after an absence of almost 6 1/2 months, here I am again! The whole thing started back when I had the accident - which the '54 Cadillac was a total loss, & finished up 2/16 with an honorable discharge from the US Navy. Now everything is back to normal. Before any DX mention, one last thing - I'm still in the "single" status & will stay that way for a time now. It's better - that engagement just wasn't meant to be, hi! So, to the technical aspects now - to start off on a new note, wouldn't you know I lost my logs for Haledon? (Ah yes, fun fun!) But anyhow, the latest calculation notes, 829 stations heard in Milford, Pa. A couple of the last ones there were WDSL-1520 (verified) and WGOC-1090 Kingsport, Tenn. & CJRS-1510. Well, I guess that's about all I have to say for DX - an interesting note - I was on my way back from Pompton Lakes last night & as I swerved to avoid this guy crossing the road & not looking, some lady belted me right in the back end. Oh well, at least I can collect on this one, but do you ever get the feeling you're jinxed, hi. And so till next time, I'll close. To all past correspondents, I'll be in touch soon. And best of luck to Doug Lamerson w/the Air Force. That's it! (Welcome home, Bill!)

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

One verie, v/c from CHIR, w/CHYR CM. Nothing new this week - SM 3/3 - My Radio Mundo AN on 1560, heard @ 4:30am, weak & still not pinpointed. SS-1040 @/on 0459 w/an NA that didn't sound like that of Venezuela. A strong SS on 860 heard 5:03-5:20, may be a Cubano. MM 3/4 - WHN-1050 again off 1-4am, WINS-1010 off also, good. SS-1070 in/out but unID AN. Just nothing exciting on & I miss the beautiful ~~xxx~~ of the CBC AN show!

MORE FROM N. A. R. B. A. ...

550	XEAF	Tala, Jalisco	150	Assignment deleted
	XEZG	Zihuatenejo, Gro.	1000/150	Assignment deleted
570	XENZ	Culiacan, Sin.	1000/250	Correction of omission; in operation since 4/10/58
600	XERJ	Mazatlan, Sin.	5000/1000	U4 CP from 1320 kc/s; expected completion date 8/16/68
610	XEEL	Fresnillo, Zac.	1000/150	Made it! In operation here since 2/10/68
620	XEACM	Villahermosa, Tabasco	1000/100	Change in call, previously XEVL
680	XEFJ	Teziultan, Pue.	1000/100	Correction of omission, here with 1000/100 since 9/14/57
710	XEPC	Muzquiz, Coah.	1000/100	In operation here since 12/6/67
760	XEZZ	Tonala, Jalisco	5000-D	Correction of omission; in operation with 1000-D sine 10/20/55; increase power to 5000, now on per last week's list!
790	XEML	Apatzingan, Mich.	1000-D	Increase in power from 250-D, expected 11/10/68
790	XEII	Chihuahua, Chih.	5000/400	Cancel notification; delete assignment
	XERPC	Chihuahua, Chih.	5000/400	Correction of omission; in operation here since 7/1/65
810	XEHT	Huamantla, Flax.	500-D	In operation on 810 since 2/10/58
850	XEUS	Hermosillo, Sonora	1000-D	Correction of omission; in operation since 1/16/65
870	XELY	Morelia, Mich.	1000-D	Earlier notification of CP from 1430; no on here, per last week
920	XETAA	Torreón, Coah.	1000/200	Temporary operation with 500/200 since 3/6/67
950	XEFA	Chihuahua, Chih.	500/250	Change in call, previously XERPH
1010	XEFM	Veracruz, Ver.	1000/200	In operation, this power, since 2/8/68
1030	XELJ	Lagos de Moreno, Jalisco	1000-D	Correction in omission; in operation here with 250-D since 5/4/63... Increase in power expected 8/16/68
1090	XEWL	Nuevo Laredo, Tams.	1000-D	Correction of omission; in operation with 2500-D since 7/23/55; decrease in power
1150	XERTM	Macuspana, Tab.	1000/125	In operation since 4/22/67
1190	XETKR	Villa de Guadalupe, N.L.	1000/500	U2 Delete assignment, see 1480
1240	XERPA	Morelia, Mich.	500-D	New, target date 3/8/68
1260	XEXR	Cd. Valles, S.L.P.	1000-D	In operation since 11/30/67
	XEZH	Salamanca, Gto.	500-D	Correction of omission; in operation since 4/29/66
1270	XEGL	Navojón, Son.	1000/500	In operation with 1000/500 since 2/8/68
1290	XEII	Rio Verde, S.L.P.	250-D	New, target date 2/16/69
1320	XERJ	Mazatlan, Sin.	5000/500	Correction of omission; in operation with 5000/500 since 11/5/65; CP to 600 kc.
1330	XEAJ	Saltillo, Coah.	500/100	In operation with 500/100 since 4/6/67
	XEUAS	Culiacan, Sin.	5000/1000	U2 New; target date 2/16/69
1370	XEJE	Dolores Hidalgo, Gto.		Correction of omission; in operation since 3/11/66
	XEPJ	San Pedro Tlaquepaque, Jal.	500-U1	In operation at S.P.T. since 5/10/67
1380	XELF	Nueva Rosita, Coah.	250-D	Assignment deleted.
	XEGW	Cd. Victoria, Tams.	1000/150	In operation with 1000/150 since 3/2/67
1400	XELH	Acaponeta, Nay	1000/250	In operation with 1000/250 since 7/5/67
	XESH	Sabins Hidalgo, N.L.	250	In operation since 11/28/67; assignment of call letters.
	XEVI	San Juan del Rio, Gro.	500/200	In operation on 1400 since 11/15/67
	XEWU	Matehuala, S.L.P.	250/200	New; target date 6/10/68
1410	KEYD	Francisco I. Madero, Coah.	1000/100	New; target date 2/16/69
1420	XEJV	Jaltipan, Ver.	1000/250	Correction in omission; in operation with 500-D since 9/12/64. Increase power and extend hours of operation, by 7/16/68
	XEWP	Sayula, Jal.	500-D	Correction of omission; in operation since 2/22/66
	XERPC	Chihuahua, Chih.	5000/150	Assignment deleted - see 790
1430	XELY	Morelia, Mich.	1000/100	Assignment deleted - see 870
1440	XEJU	Parras, Coah.	5000-D	Assignment deleted
	XEEA	Cd. Camargo, Chih.	5000/1000	Change in call letters, previously XEDV
	XEEK	Cheran, Mich.	1000-D	New, target date 2/16/69 (Radio Raton?-- JAC)
	XEVSD	Villa Constitución, T. de B.C.	1000/150	New, target date 6/11/68
----		Parras, Coah.	5000-D	New, target date 12/11/68

This list (if they quit sending us more) will be completed next week, he said hopefully. Please note that all power listings which specify nothing for directional patterns are non-directional. Thought it'd be good to specify that, aside from the fact that it figures.

CONTRIBUTORS: Deadline for mail reports is Tuesday AM, for phone reports, Tuesday PM. Please submit information in standard IDX format, in EST, and with standard NRC Abbreviations - preferably on standard-sized 8½" x 11" paper, one side only. Please qualify all assumed and tentative loggings as such in order to reduce errors; check past issues of IDX before asking help on unid stations.

Due to a sudden death in the family, we'll have to cut the section back to just the tips section this week; normal format resumes next week.

MONITOR REPORTS . . .

The editor calls your attention to a possibility of Sao Tome on 758.85, and a possible logging of Paraguay on 1303A.

- 540 Dominican Republic. HICM, R. A.B.C., hrd briefly atop XEWA 2/22 at 2037. (Raczko)
- 560 Jamaica. JBC hrd here. (Fischer, Neb.)
- 570 Colombia. HJAK, R. Nacional De Colombia announces 100 kw on this freq; s/off at 2250 on a Sunday PM. (Objio, D.R.)
- 625 Costa Rica. TIRCA, La Voz de Victor; mx w/ID's; solid here for past few days; carrier cut from time to time for several minutes, but seems more carefully frequency controlled than most other LA's. (Fischer, Neb.)
- 640 Cuba. CMQ is S4-S7 all day in Ocean City almost every day; can always loop out WHLO; CMQ is in fair until noon, then stronger signal (S7) till 1500 or so; also true of Cubans on 670 and 720. Just what I've always dreamed of - crap from Castro all day, hi. (Hoffman, N.J.)
- 650 Venezuela. Information to Starr: re IDX 2/17, "Emisora del año" means The radio station of the year; as to your question: yes, this line is a bit of YVLE self-appraisal. (Objio, D.R.)
- Hawaii. KORL in solid most MM's from 0300-0400 w/commercial rock pgms. (Fischer)
- 660 Venezuela. YVNA hrd 2/26 at 0519 w/"Transmite Ondas de los Médanos" and 2 minute slow AST TC's. (Hauser, N.M.)
- 665 Portugal. Excellent 2/22 at 0120; piano mx. (Zahner, Md.)
- 670 Colombia. HJNX, R. Tricolor noted w/very weak signal thru WMAQ OC MM 2/26 at 0300. (Reynolds, Mo.)
- 685 St. Lucia? Possible - faint carrier w/nonSpanish mx 2006 2/20; could not raise above noise level and splash of WCEM-680; no positive ID on this one - almost no voice. Steady when in; hate to say St. Lucia if'n it aint. (Zahner, Md.) Matt, we've got no info on this one; St. Lucia has been hrd quite recently on 840 and the West Indian nearest in freq is Dominica on 695; why do think it might be St. Lucia? (Ed)
- 700 Jamaica. JBC on 2/5 u/WLW w/religious pgm at 0800. (Fischer, Neb.)
- Venezuela. YVMH, R. Popular is COOPER'S unid in DX News 2/24; on for carnival. (Silvera, Jamaica)
- 725 Dominican Republic. Although in my own country, was surprised to hear again HIAQ, R. Norte, Santiago w/pop mx and ID at 2305; hadn't been hrd since SRS took to the air, they were off at the time on 2/10. (Objio, D.R.)
- 730 Trinidad. R. Trinidad noted 2/26 0401 opening remote from Carnival 1968. (Hauser)
- El Salvador/Mexico. YSR noted on 2/29 w/XX partially looped around 0010. (Reynolds, Mo.)
- 758.85 Sao Tome. Is on this frequency at s/off 1730. (Ericson, Sweden) While it's now too late to grab this one at s/off time, an E20 run showed that it is possible to snag them at s/on 0100 between about January 4th and October 2nd. On the best date, July 25th, they should stay in as much as 22 minutes past s/on time under ideal conditions. (Ed)
- 764 Senegal. Dakar, usual AA at 0115 f/in 2/22; high noise level in this area in spite of loop. (Zahner, Md.)
- 780 Barbados. R. Barbados hrd for 30 minutes or so after 0530 s/on MM's. (Fischer)
- 782 Portugal. CSB9 hrd several consecutive days; 2/18 at 0150, 2/22 at 0120; good showing against WBEM. (Zahner, Md.)
- Unid LA. SS at 2225 tune-in on 2/22; mentioned "cinco" as 3rd word in a series of numbers (freqs?); closed 2230 w/a NA I did not recognize. (Zahner, Md.) Probably same stn noted by Ben D. in 2/24 IDX; either Dominican or Colombian. (Ed)
- 840 Colombia. HJBI 2/25 0240-0244 mixing w/Cuba all week; where's TGKL? (Kilroy)

- 840 Unid SS. Hrd often after WHAS s/off and until about 0100; sometime over the Cuban. (Raczko, O.)
- 880 Guatemala. TGJ, R. Nuevo Mundo, solid most every PM and also rides over WCBS and WRFD in AM's. (Fischer, Neb.)
- ***920 HIBA. R. Reloj de Emisoras Unidas, Santo Domingo has moved here ex-910 as assigned by Dirección General de Comunicaciones; s/off 2000. (Objio, D.R.)
- 930 Colombia. Unid SS in 2/24 IDX is R. Continental, HJCS, Bogota. (Objio, D.R.)
- 935 Morocco. Broke through on edge of broad CiM signal 2/22 0135; usual AA but weak level; can;t get them too well now. (Zahner, Md.)
- 950 Argentina. LR3, R. Belgrano. Your comments in 2/17 IDX were certainly true! Go good tape beginning 0403. Pgm of commentary, news and pgm notes; single male a announcer 0403-0422 fade-out; single chime at 0415; slight WLOF QRM but LR3 seems to have excellent modulation in spite of weak signal. Country #40 reported. (Starr, O.) Nothing but WLOF here 0400 3/4. (Ed)
- 965 Colombia. Rogers' stn in 2/24 IDX is R. Sutatenza, HJHL, Barranquilla; there can't be two stns so close in same city; nominally 960. (Objio, D.R.)
- 985 Peru. OBX4J, R. Expreso, Lima hrd w/R&R mx and plenty of ID's; good at times w/deep fades 0052-0109 on 2/18. (Silvera, Jamaica)
- 995 Unid SS. Usual type LA pgms around 2230; weak w/rough copy. Ecuador? (Zahner, Md) Most likely HCEW2, but an outside chance of the wandering Mexican spur too. (Ed)
- 999.6 Cuba. CMFA 1705 2/22 w/not too much trouble but still WCFL slop. (Zahner)
- 1000 Venezuela. Unid stn in 2/24 IDX is YVRT, R. Tropical; on this freq since about August; Moron is on 990, these stns seemed to exchange freqs. (Objio, D.R.)
- 1020 Paraguay. ZP14, item in 2/24 IDX was at 0344 on 2/19. (Raczko, O.)
Cuba. CMBN, R. Isla de los Pinos, with complete ID by YL w/TC at 0550 2/26; het w/KDKA. (Hauser, N.M.)
- 1025 Nicaragua. YNVOZ, good 2303 on 2/16 w/"Radio Reloj en Nicaragua" mentioned often. (Raczko, O.)
- 1035 Haiti. 4VEF w/usual weak modulation in FF and EE; readable most PM's to 2230 s/off and good copy AM's around 0700-0800. (Fischer, Neb.)
- 1040 Hawaii. KHVH peaks around 0330-0430 w/weak to moderate signal; plays Hawaiian mx ID's as "KHVH, Honolulu, 1040 Radio". (Fischer, Neb.) KHVH finally made it here after PRG2 f/out around 0400 on 2/25; never above S4 w/mx of Hawaii and announce as the "Good Music Station". YVLB killed w/S7 carrier around 0450. EC DX'ers, stay on 1040 for a while; KHVH is weak but persistent. (Hoffman, N.J.)
Honduras. HRVH, R. Mil, ID in passing at 0105 2/25; pop mx at 0152, screamed ID's at 0154 and 0157; previously logged in Ok. (Hauser, N.M.)
- 1050 Mexico. XEG, pop mx and ads for a lab in San Antonio at 0430. (Objio, D.R.)
Netherlands Antilles. R. Caribe as previously reported is PJL3; has been on this channel for about a year, power is now 1 kw. (Silvera and Objio) Ah, yes, found an IDX reference from Mike dating back to October 1, 1966 IDX. (Ed)
- 1060V Cuba. CMDD, Las Mercedes, Circuito CMKC now here MSP. (Silvera, Jam.) Measured on 1059.29 at 0300 3/4; badly distorted audio, but good level. (Ed)
- 1070 Colombia. R. Santa Fe, HJGG very good at s/on 0302 3/4. (Ed)
- 1081 Unid LA. SS against WTIC 2/18 2120 and later; in and out. HJZ from 1082? (Zahner, Md.)
- ***1090 Uruguay. CX26, R. Imparcial in and out all MM 2/26; deep fades and signals from nothing to S8; fighting it out w/classical mx stn which always seemed to fade as the selection ended. CX26 is one Deep SA that always seems to come in, and 2/26 was no exception; good from 0200-0430; who is classical mx stn? (Hoffman)
CX26 finally ID'ed after some time at 0312; hrd 0312-0430; very good after XERB off 0332; male announcer and ads; 2/26. (Silvera, Jamaica) CX26 hrd weakly at 0409 2/19 w/U.S. old R&R; this ID tx to Frank Merrill, who hrd it at the same time and got a definite ID. (Raczko, O.)
- 1100 Colombia. HJCN, R. Reloj, hrd w/fine signal on 2/19 at 0258 and later; where was HJAT or they no longer AN? (Raczko, O.)
- 1140 Colombia. HJTR, R. Girardot noted w/ID and TC's; bad QRM from WMIE jammers 0406 2/26. (Silvera, Jamaica)
- ***1150 Argentina. LU6, R. Atlantica, Mar del Plata atop the XE- w/very good signal; nx and ads; format like 950 outlet; 0408-0439. (Silvera, Jamaica) LU6 w/pop mx 0403 and ID. (Objio, D.R.) Date, César? (Ed)

- 1208.5 Guatemala. TGED a powerhouse 2/28 w/ID as "R. Cadena Mil Doscientos Diez". (Hauser, N.M.)
- 1213 Colombia. Definitely an HJ station, likely HJBE, R. Internacional, w/sports after 2157 w/one team from Cali. Am proud of my clean TV, which was operating at the time but not QRM'ing. (Hauser, N.M.) TV make and model, Glen?
- 1230 Venezuela. YVNT, R. Barlovento, Caucagua, a lot of pop mx; first time hrd here; 2030. (Objio, D.R.)
- 1235 Bermuda. ZEM1 hrd weakly w/several ID's MM's around 0300-0400. (Fischer, Neb.)
- 1250 Colombia. HJAD, R. Vigia most likely MERRILL'S unid het; NSP. (Silvera, Jamaica)
- 1280 Colombia. HJKN, R. Metropolitana is MERRILL'S unid. (Silvera, Jamaica)
- 1303A Paraguay? Weak LA hrd 1920-2100, then off but left CC on; faded at ID time; mx and a few ads but bad fades; ZP-10 was reported on about this freq last year and does have a 2100 s/off scheduled. (Silvera, Jamaica) Please check more, Mike.
- **1308 Colombia. HJIR, L.V. de Arabo, Turbò hrd w/RCN nx and ads; good signal 2051 on 2/28. (Silvera, Jamaica)
- **1315 Panama. HOL44, Chitre, fair 2305 2/22; LA mx. (Zahner, Md.)
- **1325 Colombia. HJHY, Transmisora Sucre, Sincelejo, w/Carnival pgm and frequent RCN net ID's at 2150; a move from 1320. (Objio, D.R.)
- **1340 Colombia. HJFA, Barranquilla; slogan change to R. Regalo ex-R. Caribe. (Silvera)
- 1358 East Germany. DDR, weak and not much copy 2/18 0105; don't know who else it could be! (Zahner, Md.) 20 kw R. Bremen is sked to s/on 0000; often hrd here mixed with Berlin. (Ed)
- 1365 Unid IA. Nx (?) by man in SS weak 2205 2/20; no ID hrd on the hour. HJGI? (Zahner)
- 1400 Colombia. HJBK, L.V. de Gran Colombia, Cucuta, very strong here at 2100. (Objio)
- **1440 Dominican Republic. HIAK, R. Progreso, Santo Domingo, new name for former R. Aeropuerto; new owner, Dorilio Mayo; new QTH: Calle Isabel la Católica #70, 3er. piso. Also new Gates equipment. This stn has had 6 name changes since 1965! (Objio, D.R.)
- 1445 Unid. Weak organ mx 2250 on 2/20; out quickly. (HJGM?) (Zahner, Md.)
- 1466 Monaco. Monte Carlo assumed to be the signal "between" 1460 and WMBD 1/19 at 0111; seemed to be FF; is it possible to get just one TA on a particular AM? Also, is Monte Carlo FF at this time? (Raczko, O.) Yes, yes. (Ed)
- 1475 Austria. Vienna copied 0035-0055 2/18. (Zahner, Md.)
- 1484 TA jumble. Detectable audio in the clutter but didn't sound like EE, but, with all that noise, nothing would; 2/18 at 0055; excellent TA cx. (Zahner, Md.)
- 1501A Panama. HON, R. Aeropuerto, taped for report 2/28; EE soul sound show ended at 0458, then full SS ID at 0500 by man whose SS is easier to understand than that woman's EE! (Reynolds, Mo.)
- **1525 Dominican Republic. R. Pueblo is now here; noted 2/28. (Objio, D.R.)
- 1550 Australia. Country #38 for me, rather a surprise. Aussie EE hrd 0335 2/26, and at 0346 a TC for 14 before 7, so must be 4QD, Emerald, which isn't listed by FBLS. (Hauser, N.M.) So it isn't! (Ed)
- **1555 Colombia. R. Espacial announces 1560; noted 2128 w/sports report. (Objio, D.R.)
- 1562 Switzerland. Schweizer Radio is broadcasting from the Beromunster site; power varies for these experimental broadcasts, but mostly 100 kw. (Ericson, Sweden)
- 1580 Thailand. VOA sked lists Voice of Free Asia, 1000 kw here now. (Ericson, Sweden)
- 1586 Germany. WDR excellent copy - armchair level (honest!) 2/18 from 0042; still good at 0132. Had classical, pop, and march mx; GG announcement 0120. (Zahner)
- 1602 Germany. Bayerischer Rundfunk 2/18 0045; someone else very close - closer than 1603. (Zahner, Md.)

T H E C R E W . . . Welcome aboard this week to Dave Fischer, Nebraska; good to hear from Hoffman and Zahner again, and tnx to the regulars!

*Klutz Corner. Correct LT10 slogan in 2/24 IDX (1020) to read "Radio Universidad del Litoral"; strike out item under HJFI-1575 in 2/17 IDX; Correct frequency of HJDQ from 1220 to 1020 in 2/17 IDX; correct OBZ4N-870 in 2/3 IDX to EST from PST as now given.

The first NRC Simultaneous Listening contest is almost here... remember, no entry fees... no advance registration required... just listen and log. And even if you can't find time to enter enough Contest Blocks to win, send along what you do hear and find out how you did on the Blocks worked.

A Frequent but Rarely Discussed Cause of BCB Interference

by Jerry Starr, WHOT Radio

After encountering the problem discussed below at WHOT, it occurred to me that I had never seen anything published on the subject in the DX press so I thought I'd set down a few words about it: modulation arcing in the antenna system.

How many times have you noticed modulation peaks from a nearby station showing up at various places on the band? The condition may last for a few minutes or days and then mysteriously disappear. Likely as not, this is caused by arcing in the antenna system at the station.

First a bit of background information is necessary. A radio tower is a natural target for lightning strikes, to be sure. High winds and nearby storm conditions can also cause a static charge to build up in the antenna system. Needless to say, these conditions can cause havoc with transmitting and tuning equipment if it is permitted to build up in the antenna system. To prevent this, a type of lightning arrester is installed at the base of the tower, usually two metal balls or strips placed close to together but not touching. One side is grounded, the other connected to the radiating structure with an air gap between these elements. During a lightning strike or buildup, the charge will discharge by causing an arc or spark across the air gap following the shortest path to ground and protecting the equipment.

The adjustment of the gap size is critical; the closer the elements are, the the static buildup before discharge. However, if the gap is too small, the RF energy from the transmitter will also cause arcing, especially during heavy modulation peaks. The gap should be adjusted just beyond the point where this modulation arcing occurs.

Over a period of time, antenna towers move around quite a bit due to wind and ice loading, ground settling, temperature changes, and so forth. Since most types of arc gaps incorporate one element directly attached to the tower structure, this tower motion causes minute changes in the gap distance. The result: arcing on modulation peaks of the antenna current. In effect we now have a regular old-fashioned arc transmitter as used before the development of vacuum tubes. Because arcs and static have no specific frequency (but instead cover a wide band of frequencies), these can appear practically anywhere on the BCB. At close range, the signals will probably cover the entire band. At a greater distance, the interference will be heard only at certain "hot" places on the dial due to the arc's interaction with the transmitter tuning equipment. Because the degree of arcing follows the pattern of the audio being transmitted, it will be received as audio, though very distorted. Anyone who heard the recent and widely reported audio of CKIM on 1490-1510 will instantly recognize this effect. There will be no detectable carrier, but only distorted audio. The Top 40 stations that, by nature of the music, have the heaviest level of modulation are particularly prone to develop this problem; the greater the modulation peaks, the stronger the arcing.

Unless this situation is severe, the condition will not be detectable on the station monitoring equipment. The signal fed to modulation monitors is taken from the transmitter itself, not from the signal actually being radiated by the antenna. But the effect on DX'ing can be devastating. Even a very weak signal, which would not bother the average listener tuned only to strong locals, can make DX frequencies unlistenable.

Needless to say, no station wants this condition. If you notice such interference and can match it up with the audio from the station producing it, call or write the station and explain what you think is happening. Station engineers will be glad to have been informed of the problem and will probably correct it with haste. Just be certain you don't confuse this condition with other forms of spurious receptions, such as images, which are an entirely different matter. But if you notice distorted and "smeared-out" spurs without carrier, it is likely to be modulation arcing. Don't be too quick to accuse a station of over-modulation, it may well be this arcing effect which is rather common and which no station produces intentionally.

High Precision Direction Finding on the BCF

Part II:-Improving Loop Antennas

-G. P. Nelson-

In Part I of this series we derived the basic equations which describe the properties of "electrically small" loops, i.e., those in which the total length of conductor is considerably smaller than a wavelength. We also demonstrated how an unfavorable combination of signal polarization and wave angle could result in apparent direction finding errors.

In this article we will answer some of the most commonly asked questions about loops and direction finding, and provide some tips on improving loop antenna performance, both for use in direction finding and in the elimination of powerful locals. While the techniques to be described for balancing loop patterns must be incorporated into loops for direction finding application, the casual loop user will also benefit from deeper nulls, sharper tuning, etc.

1. Why use a loop at all?

The MW loop antenna has several highly desirable properties lacking in the ordinary longwire:

- a) While not directional in the same sense as, for example, a SW beam, the nulls of the loop permit the DX'er to null out specific interfering stations. When properly designed and operated, even the strongest locals can be nulled down so far that sideband QRM is all but eliminated; in many cases, DX can be logged on local channels with the stations still on the air. A good alt-azimuth loop can frequently null a powerful local by 50 to 80 db.
- b) A good high Q loop (and Q's as high as 1000 are practically obtainable) provides a large measure of front end selectivity; consequently overload and spurious responses due to high power locals are greatly reduced or totally eliminated.
- c) For the DX'er in an electrically noisy urban location, much less QRM will be picked up by a loop than by a longwire of equivalent sensitivity. This happy circumstance arises because the loop is a magnetic antenna, whereas the longwire is an electric antenna. Near to a noise source, such as the neon sign on the pizza parlor at the corner, there is actually more power in the electric component of the noise signal than there is in the magnetic component. Since the energy is divided up evenly, 50:50, in signals coming from distant stations, a loop actually provides quieter reception than an equivalently sensitive longwire. Many urban DX'ers have found that only loop antennas can supply enough quiet signal pickup to make DX'ing possible. This noise suppression advantage is obtained only if the source of the QRM is near (say within $\frac{1}{2}$ a wavelength) and does not hold for atmospheric noise.
- d) The loop can be used for direction finding.

2. But certainly I can't hear as much good DX with a loop as with my longwire, can I?

- a) In an electrically noisy environment, such as discussed above, switching from a longwire to a loop can result in an almost unbelievable signal to noise improvement.
- b) For those DX'ers fortunate enough to live in electrically quiet surroundings the DX-snagging potential of a good loop is still comparable with a random longwire, once the somewhat lesser pickup of the loop has been compensated for with extra RF amplification.
- c) Eventually, as a rural longwire begins to assume the dimensions and properties of a Beverage or a rhombic antenna, the loop becomes badly outclassed: not only will the "giant" antenna feature very sharp directionality, but QRM and QRN from outside the antenna's "field of view" will be greatly reduced while the desired signal is boosted. But did you ever try to figure out how to rotate a 4 block-long antenna?

3. But how can I get good DX when I've found that the pick-up of a loop is much less than that of a longwire?

- a) The loop that you tried might have been too small; since the pick-up of a loop depends upon the area of the loop, doubling the size of the loop will increase pickup by a factor of 4, all else remaining equal.
- b) Your receiver may not have enough sensitivity to make best advantage of the relatively weak loop output. In this case, a preselector or RF amplifier such as the NRC FET Loop Booster will increase the signal from the loop enough to rival the pickup of a longwire. The relatively low pickup of a reasonable-sized loop (e.g., 3' square) is easily compensated for with RF amplification.

Since the pickup of a loop depends upon the area, why not make a really large loop and thus dispense with RF amplification?

- a) The existence of the loop null depends upon the fact that the total amount of wire involved is short compared to the wavelength of the signals being received (i.e., total conductor must be a wavelength, otherwise the phase and current distribution in the loop is not uniform). Huge loops will indeed feature large pickups, but will inevitably have shallow and distorted nulls. A moderate sized loop, together with either a sensitive receiver or a bit of additional RF gain will definitely perform better than a huge loop. Even a loop of the dimensions commonly in use today (4' on edge, 7 turn tank) has about 120' of conductor - and this is already enough to "blunt" nulls at the top of the band.

5. Why not use ferrite to boost the pickup of my loop?

- a) This question is still "up in the air" insofar as the technical literature is concerned. While the manufacturers of portable receivers discovered that ferrite-loaded loops were highly desirable many years ago, the question of whether or not the BCB DX'er can make effective use of ferrite cored loops remains unanswered at this time. While loading a loop with ferrite increases the effective permeability of the antenna (and thus, in a sense, signals actually are "steered into" the loop), the actual increase in pickup depends upon a number of very complex factors. One rather extensive study¹ reports that loading an air-cored loop with ferrite can result in an increase in pickup of roughly 20; this of course is equivalent to enlarging the size of the loop by a factor of about $4\frac{1}{2}$ (i.e., the area is increased by a factor of 20). Based upon the results of this particular study, which used commercially available ferrites, the question of ferrite loading of loops for BCB DX'ing seems worth pursuing.
- b) The main problem at the moment, however, is that large ferrites are just not available. At one point in the manufacture of say a ferrite rod, the ferrite powder must be heated to a very high temperature; unfortunately ferrite is very brittle material and tends to crack during cooling. At the moment, the largest commercially available ferrite rods are about 3/8" in diameter and 12" long. As best we know, even the simple experiment of winding a MW loop antenna on a bundle of ferrite rods (and effective length can be extended with the use of G.E.'s "Ferrite Glue") has not been attempted. A bit of enlightened experimentation could well produce a relatively inexpensive ferrite-cored DX loop of considerably smaller size than the air-cored loops presently in use.

6. I want to put my loop on the roof and control it remotely - how do I do this?

- a) Don't bother - it's not really practical unless you have a great deal of time and talent to spare. The first problem is that of tuning - the better the loop (i.e., pickup and Q) the more carefully the tuning capacitor must be adjusted; in the best loops, a vernier must be used on the tuning capacitor because the tuning is that sharp. Remote tuning would require at best an elaborate remote control system to operate the capacitor, although it might be possible to do the job more easily with high Q (and high cost) resonators.

(continued)

Contributions need not be separated by category, but please include frequency, call, state, date and time in EST of each item. Deadline is Thursday mail before publication. DX printed will be limited to s/ons, s/off, ETs, AN changes, schedules, new stations; plus any and all grave yard, LPRT, pirate and college stations, and other unusual DX. Please refer to the NRC Condition of Frequency and Frequency Check Lists before reporting.

A (After hours: Midnight to sunrise DX)

- 560 KLZ -Colo S/off 0213 (Ev Johnson, Mendota, Ill)
570 WGMS-DC 2/21 0315 w/OC; 3/4 TT & I&C at 0355. Seems regular.
(Paul Kilroy, Washington, DC)
630 WMAL-DC 3/4 TT w/OC at 0356. (Kilroy, DC)
710 WGBS-Fla Test 0220- 2/19 3rd MM (Johnson, Ill)
790 KFGO-ND 2/20 0254-0300 w/R/C. Good level but mixing w/WTAR HT.
(Kilroy, DC) /Kilroy, DC)
860 WAMO-Pa 2/26 0230 w/"Weekly auxiliary Xr test", using pop mx.
880 WCBS-NY Castro played a GG/song at:0343, ID'd; 0358 & WCBS hrd
'em & put OC/on -3/4- (*maybe ERC told: WCBS ?*) (Ralphie
Johanns, Buffalo, NY)
930 KCCC-NM Had F/C TT 4th Sat 0215-0230- (Johnson, Ill)
940 UnIDs 2 ETs: a f/tst with TT, hrd: 0135-0144 3/4 (4/IDs, but
no-go) Another had OC & ID'd:0144-3/4:5000w- (Ralphie)
r/TT/c:(3/2 hrd:0427-0445/off) (Johanns, NY)
960 WPRT-Ky Test AUX TRANS 3/5 at 0549. (Stan Morse, Bradford, Mass)
1010 WFGW-NC Prob CHEC no? 2/26 0110 w/reg CBC pgm. (Kilroy, DC)
1090 UnID CBC TT/OC'd, ID: 0201, hrd:0128-0211 to (SS/qrm)-3/4- (Johanns)
1140 WMIE-Fla
1220 KIBE-Cal 2/26 2045 s/off after C1 mx, referring to FM affiliate.
(Glenn Hauser, Albuquerque, NM)
1230 WXCO-Wis 2/20 0220 vy brief in QRM. (Kilroy, DC)
1240 WTAX-Ill S/off SM 0200 (Johnson, Ill)
1270 KINN-NM Had test 0225-0232 4th Sat. (Johnson, Ill)
1280 UnID FF Canadian, 3/4 at 0417 w/ID sounded like C--L. (Kil-
roy, DC) CJMS is always loudest... (rk)
1310 WDOG-Ky r/TT/c:hrd:3/2, 0446-0459½, QRM'd by 3/ANs!*) (Johanns)
1330 WRRR-Ill Had f/c TT 3rd Wed 0130-0145 (Johnson, Ill)
1340 WOOK-DC 3/1 at 0120 OFF. Yippee! But nothing new logged. (Kilroy)
1380 WAMS-Del 0010-0016 2/26 R/C, moderate level. (Kilroy, DC)
WPLB-Mich TT 0001-0015 3/4, announced as ET but sounded like f/c
with anncts every 5 mins. (Jerry Starr, Youngstown, O)
1390 WEED-NC Possible schedule change on f/c. Listed for 1st MM, I
heard them test 4th MM. (Kilroy, DC)
1400 WSGA-Ga 2/27 0300 w/mx. Surprised as much splash from local WEAK
1390. (Kilroy, DC)
1410 WKBH-Iowa S/off 0100 (Johnson, Ill)
1420 KPEI-La TT R/C 3rd Wed 0110-0125 (Johnson, Ill)
1440 WDOV-Mich R/C is 3rd MM 0115-0130. Hrd on DX. (Johnson)
WNPV-Pa r/TT/c(2/29, 0013-0044 hrd) MARK: 4th THU AFTER 4th/WED!
(Johanns, NY)
UnID WBAB-NY, not absolutely sure. 2/26 0350 w/Negro pgm &
mx. (Kilroy, DC) WBAB still daytime only, right? (rk)
1450 WMFJ-Fla 2/26 0330 briefly but vy strong w/nx. (Kilroy, DC)
UnID HI Prob WXW, got a phone number in HI adv., 2/26 0320.(")

K IT TO ME SOCK IT TO ME SOCK IT TO ME SOCK IT TO ME SOCK IT TO ME SOCK IT TO ME SOCK

- 1450 WENZ-Va 2/26 0317. Had "Soul Bros Show" & R&B pgm and gave time in CST. In & out all night but no ID hrd at fade-ins. Mentioned a show in Rego. 3/4 at 0312 w/R&B pgm my unID of last week. (Kilroy, DC) CST, Paul? (rk)
- 1470 WJDY-Ma R/c 0500-0515 2/26. (J Warren Routzahn, York, Pa)
- WOHO-Ohio (non-verif' r*) was AN:MM/3/4 (Johanns, NY)
- 1480 WNKY-Ky R/c TT 3rd MM 0105-0120 (Johnson, Ill)
- WMAX-Mich 3/4 at 0045-0100 F/G. ID every 3 min. Info thru co-lis- tener Earl Robinson, Wash. DC. (Kilroy, DC)
- WISM-Wis S/off 0204 (Johnson)
- 1490 WOPA-Ill 2/28 0345 w/RR. Vy strong surprisingly for this channel & distance! (Kilroy, DC)
- 1510 KGA -Wash S/off MM 0300 (Johnson, Ill)
- 1550 WYOU-Fla ET 0227- past 0315 3/2. (Routzahn, Pa)
- WIRV-Ky ET 0257-0305 3/2. (Routzahn, Pa) 3/2 had a Mx/c:0317-040 noted. (Johanns, NY) /Johanns)
- Un ID a strg/no-call TT noted:0211-0236etc(topped:CBE)-3/4-
- 1560 WRIN-Ind Had test 4th Thurs 0130 (Johnson, Ill)
- *1580 WNRJ-Ga (Ex-WLBA) Had ET/mx & asked for reports. Noted 0240 to past 0300 on 3/1. (Starr, Ohio)
- WZKY-NC R/c 3/4, TT 0030-0043 asking for reports c/o the CE. (Starr, Ohio)

(Sunrise s/ons, PSAs, daytime DX)

- 540 KWMT-Iowa March s/on 0730- no SSB or OC. (Dave Fischer, Lincoln, /Neb)
- KNOE-La March s/on 0600 (Fischer, Neb)
- WRIC-Va s/on 0645 SSB (Fischer, Neb)
- CBK -Sask OC at 0645 w/My Country Tis of Thee & 0655 s/on. (Fish) Apologize to the Canadians, my friend: that was God Save the Queen! (rk)
- 560 KWTO-Mo S/on 0600 w/OC 2/29 (Fischer, Neb)
- 590 WON -Neb S/on SM TT/OC at 0742, ID 0743, OC s/on 0800; s/on MM 0600. (Fischer, Neb)
- 610 WDAF-Mo S/on SM 0603 w/Lord's Prayer (vocal) (Fischer, Neb)
- KGGM-NM Gave s/on-type announcement at 0700, but NSP. (Fish)
- 620 KWFT-Tex S/on 0503 2/29 w/SSB (Fischer, Neb)
- 630 KSXX-Utah March s/on 0800 (Fischer, Neb)
- KMAC-Tex S/on 0700 2/29 (Fischer, Neb)
- 900 WLMD-Ma S/on SM 0758. (Routzahn, Pa)
- 910 WSBA-Pa S/on 0725 SM (Routzahn, Pa)
- 1450 KWBE-Neb S/on MM at 0600. (Fischer, Neb)

D (Schedules)

- 780 WJAG-Neb 2/27: 0745-1900 (Fischer, Neb)
- *1110 WJSM-Pa New, Martinsburg, is now on RS. March s/off is 1815, s/on probably 0630. (No time to check s/on) (Joe Brauner Punxutawney, Pa)
- 1220 CHSG-Ont V/1 by CE:24 hrs with MM off 0000-0600 & used for XR/ maint'ce, THIS could change in the future.- (Ralphie)
- 1460 KYSN-Colo 0800-0200 (Johnson, Ill)
- 1500 KSTP-Minn Off MM 0500-0630 (Fischer, Neb)
- *1580 KZIA-NM Began programming 3/3. (Hauser, NM)
- X1560 WTAI-Fla PO Box:1560,-32935-,CE V/1's: 2/24 was 1st ET;5kW/D with 130'Xr. In March, expects Prgm/ok in a couple weeks. (Johanns, NY)