

DX MONITOR

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DX Forum Line Limit: 15 lines typewritten. No limit on DX Roundup or DX Worldwide.

Bulletin Schedule: Weekly thru 4/7/73. Dates: 1/6, 13, 20, 27; 2/3, 10, 17, 24.

Temp. Editor: WDXR for issues thru 1/13 will be done at HQ. Deadlines: Thursdays exc. Sat. 1/6 for 1/13 issue. Thereafter, send reports to Andy Hecker.

New Editors: Bruce Portzer, 14056 5th Ave. So., Seattle, WA 98168, is the new Questions and Answers Editor. He will prepare material for DXM as well as answer personal queries. It is hoped his sections can be included in NMPs to provide extra background material on the hobby. Bruce has no set deadline for published material. Bill Lipis, P. O. Box 325, El Cajon, CA 92022, is WDXF editor, eff. imm. Please send your DXF reports to Bill if you live in the Western area. Mike Hogan is now Graveyard DX Records editor; he will continue where John Zondlo left off by doing 1490 kHz and then going back over the frequencies.

DX Calendar

-----	0230-0300	WCPK	1600	Chesapeake, VA	1kw	D1	NRC/Jim Poterba
	0300-0330	KLEB	1600	Golden Meadow, LA	1kw	D1	NRC/Ernest Cooper
	0330-0400	WLNG	1600	Sag Harbor, NY	500w	D1	NRC/Ernest Cooper
Mon. Jan. 8	0000-0530	WGNG	550	Pawtucket, RI	1kw	U2	NNRC/IRCA-Gene V/SS
	0300-0400	KDDA	1560	Dumas, Arkansas	500w	D1	IRCA/Karl Forth
Sun. 14	0130-0400a	WJDX	620	Jackson, MS	5kw/1kw	U2	NNRC/Gene V.
Mon. 15	see note	WBTX	1470	Broadway, VA	5kw	D1	NRC/Wes Boyd
Mon. 29	0300-0330	KTGO	1090	Tioga, ND	250w	D1	NRC/Carl Dabelstein
Thu. Feb. 8	0200-0300	WPCF	1430	Panama City, FL	5kw	U4	NNRC/Gene V.
Mon. 12	0100-0200	KOTA	1380	Rapid City, SD	5kw	U2	NNRC/Gene V.
Tue. 13	0400-0500	KGHL	790	Billings, MT	5kw	U2	NNRC/Gene V.
Mon. 19							
Tue. 20	0300-0315	WKIG	1580	Glennville, GA	1kw	D1	NRC/Dave Schmidt
Sat. 24	0300-????	KLCL	1470	Lake Charles, LA	5kw	U2	NNRC/Gene V.
Mon. 26	0330-0458	WDEL	1150	Wilmington, DE	5kw	U4	NRC/Schmidt>NNRC/JL
Mon. Apr. 2	0200-????	WRAN	1510	Dover, NJ	10kw	U4	NNRC/Gene V.
Mon. 9	0200-????	WXCL	1350	Peoria, IL	1kw	U4	NNRC/Gene V.
May/June	0100-0600	WCER	1390	Charlotte, MI	5kw	D3	IRCA/Dave Faulkner

That includes everything received through 12/30/72. CPC Write-ups on page 34.

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NEW MEMBERS!!!

P. C. Bergen - 131 Union Blvd. - Kitchener, Ontario CANADA N2M 2S3 (via CH 73)
 Wilbert R. Courtney - 14831 S.E. 51st St. - Bellevue, WA 98006 (via CH 73)
 Mr. Christian P. Hansen - 1312 B Carmen - Columbia Univ. - New York, NY 10027 (NRC)
 Major George P. Herr, 144-34-7578 - Madigan Gen Hosp Box 851 - Tacoma, WA 98431 (CH 73)

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Recent Board of Director Activity

Proposal	Erickson	Evans	Hauser	Northam	Wood	Worst	Result
5.2-15	O	O	F	O	F	F	DEFEATED

N.B. THE PRESIDENT VOTED OPPOSED TO 5.2-15, THUS BREAKING THE TIE.

Key to Symbols: O-Opposed; F-Favor; A-Abstain

Board of Directors: Donald E. Erickson, Richard C. Evans, Glenn Hauser, Michael B. Northam, Dr. Richard E. Wood, Michael G. Worst

5.2-15 I propose that we submit this letter (see explanation below) to Chairman of the FCC, Dean Burch, and to Commissioner Richard Wiley, who has been heading up a committee looking into re-regulation of radio stations. Although our voice may be small, I believe it is time we stand up to defend the hobby, instead of allowing it to decay by just overlooking rule changes which severely hamper our efforts. Submitted 1 December 1972 by John Zondlo.

Commentary

The letter pertaining to 5.2-15 above asked that the FCC reconsider their stand on hourly IDs only (as opposed to the previous requirement of IDs on the half-hour) as this new policy would make DXing more difficult.

Director Worst favored the proposal with no reservations. Dr. Wood felt that a minor wording change was in order and Director Hauser was of the opinion that the letter should have played up the scientific aspect of the question, rather than the hobby aspect. Director Northam favored a redraft of the letter, perhaps as a petition for reconsideration. He did support the idea of sending the FCC a letter on this matter, assuming a rewritten version. Director Erickson had "a feeling that DXing should be a passive hobby of hearing what is there and not arranging broadcasting schedules and modes to make DXing 'easier.'" Director Evans had a number of reasons in mind when voting "Opposed". Some stations will continue to ID on the half hour and at other odd times simply to let the listener know who they are. He felt that non-IDing testers were more of a nuisance than regular programming stations. Finally, if the word were to "get out" that we petitioned the FCC solely for our benefit, we might lose the good will of stations (and hence our veries).

The President, while initially supporting the resolution, voted Opposed as a result of the arguments put forth by the Directors who disagreed with its contents.

If you are interested in further consideration of this idea, write John Zondlo, Palmer Hall Box 113, Muncie, IN 47306 with your suggestions and comments.

Respectfully submitted,

December 28, 1972

Percy R. Kesteven

Percy R. Kesteven, President

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EDXR - pages 3 thru 8	"Skyline Blockage" - FJP - 9 pages	Ionosphere - 4 pages
EDXF - none	Special Features - Bill Hardy - 24	(Next Issue, 1/6)
CDXR - pages 9 thru 11	DX Calendar - page 1	Contest Standings
CDXF - pages 12 thru 14	CPC Write-ups - page 34	An RFS article
WDXR - none	Flash Tips and CPC Results - 14 and 23	More?
WDXF - page 34	New Members, etc. - page 1 and 23	

Next issue ...will probably be a 2 oz. issue for a much-needed change. With the membership holding steady at about 40 more members than a year ago and the bulletins averaging MUCH larger, your publisher often feels as if he's running backwards, hi. The extreme courtesy of "new" members who have waited so long and still have no New Member Packet and yet do not complain is very much appreciated. If next issue gets out before 1/6, it will be a miracle. On the NMP subject, Aris Papafingos completed the job of pulling out the necessary stencils for running certain items. Given a few more hours of work and at least some NMPs can probably be mailed. If you'd like to donate a few hours of work on the project, let me know. -DEE

Editor: Nancy Gantzer-67 Liberty Street-Fredonia, NY 14063

Deadlines: Every Thursday--see end of column for SPECIAL DEADLINE

Reporters

(BB) Budd Bailey-8800 Wenner Rd.-Williamsville, NY-Allied A-2515; SM-1
 (JJB) John Boncek-Denman Mt. Rd.-Grahamsville, NY 12740-Guardian 6000
 (QKB) Quentin Brown-59 Kenilworth St.-Ottawa, Ont. CANADA
 (WBF) Bill Feidt-8708 Contee Rd.-Apt. 14-Laurel, MD 20810
 (LVF) Larry Flegle-1004 E. Powhatan-Tampa, FL 33604-TRF; 4' box loop
 (NG) Nancy Gantzer-67 Liberty St.-Fredonia, NY 14063-HE-30; SM-1
 (SJH) S. Joshua Hill-1429 Elm St.-Alden, NY 14004-HQ-140XA; 100' LW
 (GWJ) George W. Jensen-4604 Anntana Ave.-Baltimore, MD 21206
 (JMo) Jerry Monroe-1030 Bonnie Lake Dr.-Alden, NY-SP 600; 26" loop and
 (DES) Don Smith-9504 Keller Rd.-Clarence Center, NY 14032 325' LW
 (JHP) Jim Poterba-949 Queens Dr.-Yardley, PA 19067-HQ-200; SM-1
 (JR) Jerry Robertson-6065 Gardner Line-Croswell, MI 48422
 (TJS) Tim Saltmarsh-33 Fowler St.-Penacook, NH-NC-183; 400' LW
 (DS) Dave Schmidt-8 Valley Terrace-Apt. 9-Wilmington, DE 19802
 (TRS) Thomas Sundstrom-Box 205-Willingboro, NJ 08046-HQ-150; SM-2
 (HW) Matthew Wall-2006 S. Titan Circle-Griffiss AFB-Rome, NY 13440
 (FW) Frank Wheeler-6589 Wattsburg Rd.-Erie, PA 16509
 (CLW) Cathy Woodruff-7865 Allison Ave.-Dayton, OH 45415

550 KFYR ND Bismarck good 12/5 w/WGR nulled; 0058-0106 w/wx, ID as
 "Five state radio, KFYR, Bismarck" RR mx. (DES-NY)
 560 KLZ CO Denver fair 0340 12/4 w/wx and RR. (CLW-OH)
 WHBQ TN Memphis 12/11 wx at 0410, fair sig. no static. (SJH-NY)
 570 WFAA TX Dallas fair (tnx to WKBN for being off) w/IDs PSAs
 and mx 0250 12/11. #450 personally. (BB-NY)
 580 WIBW KS Topeka strong 12/11 0410 w/promo for the WIBW nx team,
 u/o LAs. (JHP-PA) Fair 12/11, all alone 0258-0317 w/nx,
 wx, C&W mx. Hope this KS stn verifies. (DES-NY)
 CKY MAN Winnipeg poor 12/17 w/mx, ads, jingle, 0150-0200. I
 understand this is another non-verifier. (DES-NY)
 590 WOW NE Omaha fair 12/8 w/bad QRM from CKEY 0105-0132, RR mx
 w/ads, nx. (DES-NY)
 600 WMT IA Cedar Rapids doing very nicely in WICC null, first time
 here, 0448 12/17. Promos for the WMT "Hawaiian Holiday
 Contest" were noted. (JHP-PA)
 WSOM OH Salem s/on 0630 12/14. (FW-PA)
 620 WWRN WV Beckley above WSUN/WHEM w/area nx, wx, and rock on 12/17
 0458. Another new one. (JHP-PA)
 CKCK SAS Regina good 12/4 C&W IDs as "The C-K", "CKCK Report"
 0300. (CLW-OH)
 680 WCBM MD Baltimore faded in w/sports and plug for WCBM Dial-a-
 Sport 0240-0250 12/18. (JMo-NY)
 690 WELD WV Fisher poor 12/18 u/CBF at 1700 s/off, surprising
 w/only 500 watts. (DES-NY)
 710 WGBS FL Miami ID 0320 12/11 way o/WOR, probably on ND pattern.
 740 WBAM AL Montgomery fair 12/4 1735 several ads (QKB)
 mentioning Montgomery Mall. CBL QRM. (CLW-OH)
 CBX ALTA Edmonton incredibly fine 0130-0207 12/10. Miserable
 wx reports, snow, blowing snow and flurries. Highest
 latitude path heard here. ALTA #5. (QKB-ONT)
 790 WLSV NY Wellsville tentative on 12/11 0027 on to 0043 off, then
 OC, w/out audible ID. Looped in right direction, times
 conform to '73 f/c list. (TRS-NJ) 12/11 f/c per list
 w/TT 0030-0040 tune/in/out, good signals! (JJB-NY)

- 790 KFGO ND Fargo 12/11 0230-0245 f/c w/1000 cycle tone. (SJH-NY)
- 800 WHOS AL Decatur fair mixed w/CKLW 12/4, Stock mkt. report 1725. (CLW-OH)
- CKLW ONT Windsor 12/12 2318 w/Christmas mx, dominate station on frequency. (HW-NY)
- 810 KGO CA San Francisco 12/11 0110 call-in program, little interference. (SJH-NY) Started xintly but slowly got worse 0109 12/11. Had call-in show, IDs, and ads for Warren's Entons. One of more wanted here. (BB-NY) Poor 12/11 0115 w/telephone talk show, WGY was running transmitter test. (DES-NY)
- 900 WSWN FL Belle Glade 12/11 0010+ w/TT pulsing at rate of telephone busy signal (1000 hz tone), complete ID thru CHIL. Surprise, new here. Fair sig. (TRS-NJ)
- 920 WOKY WI Milwaukee noted running ET w/TT 12/18 0116, ID at 0120. WHEL and CKCY also on. (DS-DE) 0400-0410 12/11 ET w/current rock tunes, ID at 0403 mentioning 5000 watts of power, excellent signal. Best bet here for WI. (JJB-NY)
- 940 WINZ FL Miami 12/17 0457-0459 quite weak w/Xmas mx and ID on the hour; some QRM from SS which was probably Colombian noted by Merriman; YVNN s/on covered everything just after 0500. (WBF-MD)
- WIDG MI St. Ignace very strong in quasi-null of CBM, f/c w/IDs every 5 min., TT, 12/14 0000-0015. (JMP-PA)
- 950 WLOF FL Orlando 12/18 rock format, no plugs hrd almost sounded automated, IDs after every song. Nice sig. 0305-0315, WBBF QRM. (JMo-NY)
- 960 CFAC ALTA Calgary 12/11 0103-0110 w/wx reports and ad for Chinese restaurant, fair signal. (JJB-NY)
- 970 WWSW PA Pittsburgh 12/12 2305 w/wx for Pittsburgh. (HW-NY)
- 980 WRC DC Washington 12/12 2300 w/NBC nx on the hour. (HW-NY)
- 990 WIBG PA Philadelphia 12/11 0120-0129 excellent on ET w/TT. ID at 0128. (JJB-NY)
- WNOX TN Knoxville noted on MM 12/11 and rockin' away at 0215. Was off MM 12/4, though. (DS-DE)
- CBW MAN Winnipeg s/off 0205 12/11. (FW-PA)
- 1000 WSPF NC Hickory fair w/CKBW w/several jingles very strong, "WSPF-Hickory" 1705-1710 12/15. (JMP-PA)
- KOMO WA Seattle a big thrill 0210-0232 12/11. SS was nulled, leaving a fairly faint EE MoR underneath. Listening left a "Weekend Seattle" which is as close to an ID as I got. Am told s/off 0300 was nice. (BB-NY) 12/11 0300 s/off very good, no interference. "KOMO Country". (SJH-NY)
- CKBW NS Bridgewater fair w/daytimers 1700 12/15, not enough for report. Programming was world and Canadian nx.
- 1020 KGBS CA Los Angeles finally IDed this one, 12/11 0252 ... (JMP) w/ID and mx. Quite strong above the LAs. Now to get KSWB, hi. (JMP-PA)
- 1050 CHUM ON Toronto 12/12 2253 w/"CHUM" ID and mx. (HW-NY)
- 1070 KNX CA Los Angeles 12/11 noted various times 0100-0400 w/KNX Newsradio and ads, good signal. (JJB-NY)
- WFLI TN Lookout Mtn. good o/WIEC 12/4 1710 w/RR ads for "WFLI album". (CLW-OH)
- 1080 KRLD TX Dallas way u/WTIC but very readable w/s-off 0200 12/11. WTIC was playing EL mx at the time which helped. Much wanted here. (BB-NY)

- 1080 CKSA ALTA Lloydminister 12/11 0125 w/mx and talk, very weak thru WTIC. (3JH-NY)
- 1090 WWWM OH Wilmington DX test was on 12/11. Heard 0255 w/many ann. C&W. Extremely weak even though only 20 miles from here. (CLW-OH) Noted on between 0156-0330 12/11 w/C&W mx on DX Test. Signal very good in these parts. (DS-DE) Very strong on DX Test for NRC, no-one even heard u/them, running C&W and jingles, occasionally mentioned ET, 12/11 0300-0332. (JMP-PA) 12/11 0253-0310 (tune-out) excellent on DX Test w/C&W mx and recorded IDs. (JJB-NY) 12/11 on early w/NRC DX 0145-0345 w/C&W mx almost non-stop. Exc. signal @ +5db/9 here completely dominating frequency. (TRS-NJ) Fair w/XEPRS (?) QRM w/mx and ID 0208 12/11. (BB-NY) Fair 12/11 w/C&W on DX 0253 tune-in. ((KB-ONT)
- 1100 KFAQ CA San Francisco weak 12/11 u/static 0332. Are they all nx? (I don't know. Help anyone?-NG) (DES-NY)
- WWWE OH Cleveland good w/ID 1300 "Big E" 11/27. (JR-MI)
- 1110 KFAB NE Omaha 12/11 Excellent while warming up rx for WWWM, w/"Serenade in the Night" ID at 0230. (JJB-NY)
- 1130 WISN WI Milwaukee good mixed w/WCAR 1645 12/4. Easy listening mx, "Chuck Arnold Show", Milwaukee wx. (CLW-OH)
- 1140 UNid ?? Unid here 12/9 is unusual, unfortunately not much to go on. 1000 hz tone, dial tone, and OCs noted 0130-0235 at times o/WRVA. Looped generally west, but hard to tell. Rare is it that I hear anything like ETs on this frequency. (TRS-NJ)
- WBZY PA New Castle finally logged this one o/WRVA w/2 IDs 1645 12/13. (JMP-PA)
- 1190 KLIF TX Dallas strong between WOWO OCs, ID at 0430 as "KLIF-Dallas", was hoping for KEX, hi. This 12/11. (JMP-PA)
- 1250 WLCK KY Scottsville 12/15 1730 very weak w/s-off; much QRM, but got call, Stateline Broadcasting ownership, FM promo and power for sure ID; no anthem. (WBF-MD)
- CHWO ON Oakville 12/10 0552 fair to good w/promo for "CHWO Remember Member Contest" w/very little noticable QRM. (JMP-PA)
- 1260 WBBK GA Blakely poor to fair w/test per list, dial tone used. 0110 12/14. (JMo-NY)
- WFBI IN Indianapolis 0228 12/18 TT ID as engineering test, good signal. (JMo-NY) This was the one who was running TT during the first half hour of the WCHV DX test. IDed at 0228 on 12/18. (DS-DE)
- WCHV VA Charlottesville finally showed up at 0250 here w/IDs for both AM and FM outlets. Signal very weak, QRM mostly from WFBI on OC and a Spanish speaker calling itself "Radio Cap-e-tal", and playing RR. This on 12/18. WCHV used "mood" type mx. (DS-DE) Very good on DX Test 12/18 0235-0246 w/AM-FM IDs, MoR mx. Seemed to increase power at 0245 o/WINDR. (DES-NY) 12/18 w/DX Test one hour later than sked. 0330 very good w/MoR mx, tone. (JMo-NY)
- 1270 WTSN NH Dover good at 1800 12/5 w/ID followed by nx, w/WKYZ looped out. (JR-MI)
- 1290 WKNE NH Keene noted on top of freq. w/WFBG nulled 12/8 1745 ID at 1800 and into CBS Nx. (DS-DE)
- 1310 WIFE IN Indianapolis good 12/18 0139-0205 w/RR mx, ads, nx. ID as "First in Indiana". (DES-NY)

- 1310 WORC MA Worcester first time ever noted here w/RR, jingle, etc. w/WEEL 12/11 0315. (DS-DE)
- WTLB NY Utica 12/11 ID 0018 in midst of ET w/TT and OC. Good w/several others on freq. (TRS-NJ)
- WEEL VA Fairfax must be either NSP or AN on MT's now, noted again 12/11 at 0313 w/RR. (DS-DE)
- WGH VA Newport News fair 12/18 w/0200 s/off, SSB. (DES-NY)
- 1320 WENN AL Birmingham 12/11 ET 1000 cycle tone ID at 0140. (SJH)
- WVOJ FL Jacksonville first time noted this season w/C&W AN show 0310. Well atop all after WJAS s/off 12/11. (DS)
- WCLU KY Covington good w/ID 1710 11/19 followed by C&W mx. (JR)
- WKRK NC Murphy 12/15 1717-1728 mostly u/heavy QRM, but peaked around 1720 w/spot for drugstore in Murphy and into the WKRK Community Bulletin Board; this seems to be a little late for NC daytimer, but Murphy is in far west corner of the state. (WBF-MD)
- CJSO PQ Sorel fair w/ID 1630 11/25. (JR-MI)
- 1330 KFH KS Wichita snuck an ID in 0259 12/18. Faded out just after ID so I couldn't get report and be among those waiting for veri, hi. (BB-NY)
- 1360 WSAI OH Cincinnati killing WDRC w/ET RR mx 12/11 0130. (DS-DE)
- 1370 WBYE AL Celera 12/16 1744 fair-good level w/s-off w/mention of Shelby County Advertising Co. ownership; got a good tape on this one; uses SSB anthem. (WBF-MD)
- 1380 WVSA AL Vernon 12/16 1745 w/tail end of s/off at fair level, but not enough for tape; moderately auroral CX provided a real pipeline to AL this evening at SS. (WBF)
- WMBE IN Fort Wayne this NSP'er on top of freq. 12/11 w/Bill Donovan show, 0108 w/Drake type format. (DS-DE) 12/11 obviously 24 hrs. now, in w/exc. signals on Environment program 0330-0400. (JJB-NY)
- 1400 WMCS ME Machias slipped thru on DX Test for NRC 0008 12/16, hrd mentions of NRC, "WMCS" jingle, but then gone to the mess of this channel. (JMP-PA)
- WLLH MA Lowell 12/11 t/in 0320 w/TT, ID for ET including site at 0331, then more TT. For a change, something above the normal din at the right time, i.e. ID time, but then right back into general hubbub of noise. New here. (TRS-NJ)
- WYSL NY Buffalo was noted off for the first time in my career 0100-0300 12/11. Only station u/was an UNid which gave Yonkers Raceway Results. Since I presume this is in NYC, I am a bit baffled. WABY? (BB-NY) (I noticed that 1400 seemed strange on MT 12/11--so THIS was why-
- 1410 WUNI AL Mobile 12/16 1729-1731 w/nx, wx for Mobile, (NG) mention of call and promo for WUNI newstip tele. line-\$10.00 prize for best item of the week; very solid signal level. (WBF-MD)
- WLBK KY Bowling Green 12/18 0000 ID into nx, fair for a min. then covered by KQV/WING. Was actually trying for WOTT. (NG-NY)
- WHLN KY Harlan 12/16 1715 w/long involved s/off ann. until murdered by WPCC s/off, the latter apparently coming off a long OC. (WBF-MD)
- WPCC SC Clinton 12/16 1715 popped out of nowhere w/very strong s/off ann. by man--this freq. proved a real gold mine this evening--couldn't write the info in my log fast enough! (WBF-MD)

- 1410 WYMB SC Manning 12/16 1714 w/s-off given by gal GM; pretty fair level; they may have used SSB, but not sure because there were so many s/off's here at this time--not sure whose it was. (WBF-MD)
- 1420 WLNA NY Peekskill 12/11 w/TT 0035+ w/NRC DX. IDs hrd 0035, 0040 o/all others, including a 2nd TTer, much weaker on freq. (TRS-NJ) 12/11 DX Test took quite a beating here. Noted 0133 w/tone, mx, and IDs roughly every 4 minutes. QRM from WHK/WBSM and once KTOE! (DS-DE) 12/11 excellent w/DX Test, TT, mx and ID at 0139, 0133-0140 tune in/out. (JJB-NY)
- WKCW VA Warrenton 12/11 ET 0047 1000 cycle tone and OC, fair to good signal. (SJH-NY)
- 1440 WBIS CT Bristol 12/14 0034 this daytimer having a quick f/c as "This is WBIS, Bristol". (MW-NY)
- WAAB MA Worcester 12/14 0033 w/"It's 25 before one at Worcester." (MW-NY)
- CFGO ON Ottawa did NOT increase power on change from CKPM. (QKB-ONT) Good signal 0147 12/11, even w/out nulling local WILM on 1450, RR format, sounds like CKLW. (DS)
- 1480 KLEO KS Wichita tone test and nice ID 0407 12/18, vry good.
- 1500 WTOP DC Washington 12/14 at 0011 w/NBC nx and (JMo) Capital Sportsroom. (MW-NY)
- WDEN GA Macon noted on another of their infamous ETs 12/18 w/C&W mx, TT and IDs at 0347. (DS-DE)
- WGMF NY Watkins Glen 12/11 f/c heard 0000+ w/ID 0007 as per '73 f/c list. Fair sig. thru WTOP OC. (TRS-NJ)
- 1510 WYRU NC Red Springs 12/16 1657-1659 fairly weak, but in the clear w/WLAC nulled w/s-off ann. not new here, but needed for tape. Uses no anthem. (WBF-MD)
- CJRS PQ Sherbrooke fair w/ID 0500 11/27. (JR-MI)
- 1520 WDGL GA Douglasville very good o/WXPQ w/s-off, very little WKBW, 1726 12/16. (JMP-PA)
- WXPQ GA Eatonton 1722 12/16 very good w/several spots o/WKBW, mentioning Eatonton and Greensville. (JMP-PA)
- 1530 WTHM MI Lapeer running an ET w/mx 12/18 0350, ID 0401. (DS-DE)
- 1550 KKHI CA San Francisco signal good 0300 12/11 ID for AM-FM, after KRGO s/off. (DS-DE)
- WYNX GA Smyrna poor at 1730 s/off 12/3, only caught call and location u/CBE. (CLW-OH)
- WIRV KY Irvine good on test w/ID 0207 12/2, some KXEL slopover.
- KRGO UT Salt Lake City noted on ET w/mx 12/11 at 0213 off, (JR) then back on 0228-0250. Two very quick IDs given, right in middle of records, in fact. Signal strong but audio was weak. (DS-DE)
- WPJD TN Daisy r/c noted 0243-0258 w/organ mx 12/18, signal was way u/an OC who never IDed. (DS-DE)
- 1560 KRCB IA Council Bluffs ET fair w/TT and ID 0211-0215 12/18(BB)
- WTBQ NC Warwick good u/WQXR w/s-off ann. mentioning Quinn Broadcasting, 1700 12/16. (JMP-PA) (My NRC log says WTRQ-Warsaw, NC. Anyone know which is correct?-NG)
- WAGL SC Lancaster 1702 12/16 strong in WQXR semi-fade w/"Carolina Nx" and Chevy spot. (JMP-PA)
- 1570 WGSR GA Millen very weak and hard to read at s/off 1730 12/13, took several tape replays to pull this one out. (JMP)
- CHLO ON St. Thomas 12/13 2145 RR mx, spots, good u/CFOR killing CKLM, yea! (TJS-NH)

- 1580 KTUF AZ Tempe noted 1909-1915 s/off 12/12 w/fair signal, QRM from WCLS and WSRF, pop mx and Rock and Roll Revival record offer before s/off, no SSB noted. Christopher Robin(??) was the DJ? (GWJ-MD)
- KDAY CA Santa Monica again noted at 0301 12/11 w/ID and into wall-to-wall top 40, quickly faded out. (DS-DE)
- WSRF FL Ft. Lauderdale noted on ET 12/18 w/OC and ID at 0402 w/female announcer. (DS-DE)
- WCLS GA Columbus 12/10 s/off noted 2400 while waiting for WSUF DX. NRC lists as NSP, so a change. (TRS-NJ)
- WDQN IL Dequoin faded in briefly w/sports 1745 12/3. (CLW-OH)
- KLOU LA Lake Charles 12/11 w/RR mx request show w/IDs and TCs 0226, 0243, 0249. Good signal on peaks w/WCLS off, new here. (TRS-NJ) Now off MMs 0259-0458 per s/off, noted 12/11. (DS-DE)
- WCBU MA Westford 12/9 0130-0415 PIRATE, 20 watts of power w/a converted ham rig (WCBU) and a 200' LW, progressive rock, gave real phone # and add., operator surprised he could make it all the way here, said would QSL 100%. All on cassette, anyone who wants to hear it write. Good sig. strg w/CKLM slop. (TJS-NH)
- WSUF NY Patchogue not hrd 12/11 on test. CBJ all alone 0000-0025. (CLW-OH) 12/11 DX for NRC 0000-0200 did not show-should have blown needle off s-meter at this distance. Checked throughout period. (TRS-NJ) 12/11 not heard on DX. Usually a daytime test. (JJB-NY)
- 1590 WACA SC Camden strong at s/off 12/16, end of s/off noted 1715, little WQQW QRM. (JMP-PA)
- 1600 WKDL MS Clarksdale 12/13 0600 s/off (Isn't 5:00pm CST a little early for a daytimer s/off?) ABC net, 1 kw. (LVF-FL) (About s/off time: no, because Dec. is the "earliest sunset" month.-NG)
- KATZ MO St. Louis good 12/18 0213-0230 w/RR mx, ads and jingle. Surprising sig. for 1000 watts, WWRL off. (DES)
- WCWC WI Ripon w/DX Test fair but not too bad to read 0247-0252 12/18. Mentioned phone number, had DX calls, and played mx during test, pattern change at 0252. WWRL was apparently off for this one. (BB-NY) Poor 12/18 0300 on DX Test w/ID, freq., and mentioned DXers to write, bad QRM from KATZ. (DES-NY) A very interesting DX Test for the NRC 12/18. First noted 0205 playing mx, heard many phone calls-first one from TS in NJ. Signal good. KATZ came on at 0301 w/ID as "The Black Rock of the Midwest" but was gone by 0320. WCWC s/off 0340. WWRL must have been off. None of the other tests for the MI WWRL was going to be off that were hanging never showed (al la KLEB, WLMG, WCPK et al). (DS-DE)

Due to a conflict with personal plans I won't be able to type the Jan. 20 column on Thursday (1/11). As a result, the deadline that week will be WEDNESDAY Jan. 10. You people in the East made a great showing for this week--18 reported, with six pages of EDXR!!

HALLOWN in '73

VOLUNTEERS To those who volunteered to help with indexing DXR and DXF in past bulletins, once the NMPs are completed and a couple of other rather urgent tasks are completed, each of you will receive details of what is needed and suggestions on how to do the job. Thanks to all who volunteered. -DEE

EDITOR: Richard C. Evans - Box 2048 - Gary, Indiana 46409

+++++
 From time to time, I publish some requests and guidelines for members to follow when reporting to me. The requests are asked to make the job easier for me. It's beginning to look, though, as if I would have better luck asking the moon to sing a duet with me. So, for those who think I love the task of putting their initials on reports, please be advised that starting with the first stencils I cut in 1973, I will no longer do the job. They will simply show up in the column with no credit at all, though the names will be in the list of names at the end of the column-30-

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OF SPECIAL INTEREST:

750 AK KFQD Anchorage, "KFQD News Time 11:04", hrd 12/11 then ad for Harper Store and sports news, KFQD ID 0407 at end of news then HJDK on top. (BN)

970**MT**KOOK**Billings, MM 12/11 & 12/4, ET on & off--if you hrd tone & some Mx at off and on odd hours. Testing 500 watt. xmtr for problems. Because of construction on xmtr bldg, all ops moved downtown to KTVQ bldgs and using 500 w. non-dir. nights (usually 5kw dir.) until constr. ends on xmtr bldg. Also, as of 1/1, KOOK will use CBS hourly Nxcasts. (JCJ)

1340**NM**KKIT**Taos, f/c TT w/Comm. Mont. Co. 11/22 0245-0300 (BN)

+++++
 610 PA WIP Philadelphia, 12/2 0010 under WDAF with news. (FH)

630 ALT CHED Edmonton, u/CKRC and KHOW OC 12/11 0536 w/ID and RR. First time I ever hrd KHOW off RS. (RFK)

CO KHOW Denver, fair w/Wx into MoR Mx, 0321 12/11. (FSM)

640 IA WOI Ames, 12/3 1400 Coming in weakly-don't remember hearing it recently. (FH)

730 PQ CKAC Montreal, noted briefly in FF atop 730 mess 2134 12/8. (MAS)

740 FL WKIS Orlando, good w/spot for Orlando Public Library 0450 12/11. (FSM)

790 MT KGHL Billings, Some to mostly rock late nights and AN programming. (JCJ)

850 ALT CKRD Red Deer, logged w/RR thru KOA 0050 12/4. (BN)

PQ CKVL Verdun, noted 0224 12/11 w/what sounded like phone-in talk show in FF, IDed at 0300. Signal was fair, but fadey with SS QRM. (RFK)

860 GA WDMG Douglas, good with spot for Sears and C&W Mx 0654 12/11. (FSM)

870 LA WWL New Orleans, 12/3 1330 Saints FB, unusual for this time of day. (FH)

900 PQ CJBR Rimouski, surfaced o/CJVI 0310 w/FF IDs, then faded u/CJVI w/FF? pop or RR Mx, 12/11. (RFK)

NE KJSK Columbus, 12/12 0227 on for test purposes over everything. (FH)

ND KPNW Fargo, UPI Nx, Scripture (?-rce) reading and ID. 0705. First ND catch. (DS)

910 LA WLCS Baton Rouge, poor w/MoR & Wx 0318 12/17. (KHB)

MS WCOC Meridian, C&W Mx and Worldwide sports 2130 11/29 over KGLC. (FH)

940 SAS CJGX Yorkton, good signal on top of everything with news, first time heard. (FH)

950 MO KLIK Jefferson City, 12/10 1740 w/Chiefs FB, some QRM. (FH)

960 AL WBRC Birmingham, good w/Nx 0158 12/17, unn. (KHB)

Your knowing where a station is doesn't mean I do. Please show it!!!

++++++
 1010 ALT CBR Calgary, 12/9 0303 s/off w/GSQ and O Canada o/CFRB(FH)
 1020 IL WPEO Peoria, good w/KDKA nulled w/spot for King Cafe and
 gospel music 0729 12/11. (FSM)
 1030 MA WBZ Boston, p/fair u/XEQR w/farm and market report
 0555 12/11. (FSM)
 TX KCTA Corpus Christi, f/good o/XEQR w/religious programing
 0705 12/11. (FSM)
 1050 NY WHN New York, a surprise, noted 0443 12/3 w/very weak
 sig u/XEG and CJIC w/WHO-1040 off. Weak, unintelli-
 gible talk was hrd along w/WHN ID and "...a service
 of WHN, New York." (RFK)
 1060 CO KLMO Longmont, weak s/off noted 11/25 1845. Too late
 for details. (MAS)
 PA KYW Philadelphia, good w/tri-state Wx. Never hrd before
 due to WNOE. 0542 12/11. (FSM)
 1090**CO**KAAT*Denver, hrd testing 11/25 w/TT & OC fr-gd o/XEPRS,
 IDs hrd 0430 & 0436. Said they wer conducting
 directional & non-directional tests. A daytimer
 with two patterns?? (RFK) (Perhaps, directional
 during critical hours only--rce) ... patt
 OHWMWM*Wilmington, w/C&W Mx 0327-0334 when ID given on DX
 test thru XEPRS 12/11. (BN) f/good w/ET o/u XEPRS
 0230 12/11. (FSM)
 1100 OH WWWE Cleveland, (x-WKYC) noted using new calls AN 11/28,
 "The 3-WE". (BN) This ID noted 11/18 2356. (MAS)
 1160 IL WJJD Chicago, v/good o/KSL testing 0454 12/11. (FSM)
 1170 OK KVOO Tulsa, poor o/u WWVA and KSTT w/C&W songs and Wx
 0044 12/17. (KHB)
 1180 IL WLDS Jacksonville, faintly u/powerhouse WHAM. Hrd 0630-
 0700 during SRS, but signal too ?? to rpt. (DS)
 (Couldn't read it, Dave, but it looked like meat-rce)
 1220 OH WGAR Cleveland, v/good w/Minuteman sports. First time
 heard, o/XEB 0457 12/11. (FSM)
 1240 MI WJIM Lansing, hrd briefly 0230 12/8 w/"WJIM award winning
 news", then stn faded into the mess. (DS)
 MT KBMY Billings, no longer AN, s/off 0200 EST daily. (JCJ)
 ?? ???? UNID, playing Latin SS records, w/announcements in
 SS 0230-0430 12/8 and 12/9. Signal was fady until
 records were playing, but hrd plug for Midwest
 Family Assoc. Any clues on Latin graveyarder? (DS)
 (This would be Chicago, probably WEDC--rce)
 1260 NC WGWR Asheboro, fair, s/on into Nx 0502 12/11. (FSM)
 1270 IL WHBF Rock Island, noted 11/15 2108 w/regional news. (MAS)
 1280 AL WNPT Tuscaloosa, sports 1745-1749 pattern change and
 power cut, 12/16 L&C, no WGBF or WWCA slop. (rce)
 1320 FL WVOJ Jacksonville, much wanted since 10/70, when hrd on
 car rx. Mucho IDs and C&W Mx and Wx on Jerry Roberts
 Show, 0404 12/16. (KHB)
 PA WJAS Pittsburgh, giving WVOJ mucho QRM 0404 12/16. (KHB)
 1330 SC WFBC Greenville, o/everything w/Xmas Mx and Mor
 0356 12/16. (KHB)
 1340 MN KVBR Brainerd, s/off noted 11/17 0102, fairly clear.(MAS)
 1360 OH WSAI Cincinnati, o/u the mess, w/RR, 0345 12/16. (KHB)
 1390 IL WNUS Chicago, p/fair w/Nx and Wx into MoR Mx 0414 12/11
 1430 FL WPCF Panama City, 2145 11/29 in & out strong at ///(FSM)
 peak. (FH) (FSM)
 1460 AL WPNX Phenix City, fair/good o/u WACO w/C&W Mx 0412 12/11.
 1470 KY WSAC Fort Knox, s/off 1730 12/16 fair o/WMBD. (rce) (rce)**
 TN WVOL Berry Hill, L&C 1732 12/16 soul Mx after WSAC s/off**

EDITOR: Richard C. Evans - Box 2048 - Gary, Indiana 46409

DEADLINES: Thursdays. PHONE: 219-981-3232.

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1500 DC WTOP Washington, poor w/WTOP sports. No sign of normally dominant XERH, 0546 12/11. (FSM)

1530 WY KCHY Cheyenne, noted w/Nx, followed by Scott Kaufmann Show battling WCKY 11/25 1900. (MAS)

1550 MO KGMO Cape Girardeau, o/u WJIL 0712-0730 with rock music, jingles and ID. (DS)

MO KKJO Saint Joseph, hrd w/RR 11/25 1851. No trace of usual CBE. (MAS)

UTKRG0**Salt Lake City, ETing w/C&W 12/11 0330. (BN)

1570 GA WCLS Columbus, RR Mx w/fair signal 2001 11/29. (FH)
out of order

1560 KY WDXR Paducah, p/fair o/u XEVIP 0700 12/11. (FSM)

1590 KS KVGB Great Bend; ID o/partially nulled WAKR 12/2 0035(MAS)

1600 AL WEUP Huntsville, 12/9 0330-0415 on ET w/CT (?-rce), loud and clear. (FH)

AL WAPX Montgomery, 12/3 0400 w/RR Mx on top of everything(FH)

WIWCWC**Ripon, 0202-0340, good on test o/KATZ, numerous phone calls on air, 12/16. (rce)

PER THE LIST:

First Monday: KDBM-800 MT (RFK)

A TIP OF THE HAT THIS WEEK TO:

KHB - KEITH BIRLINGMAIR, Rt. 1, Box 44P, Rockton, Illinois 61072

(Welcome. In CDX land, 120 miles make you my neighbour, hi)

rce - RICK EVANS, Box 2048, Gary, Indiana 46409

FH - FRED HENDRICKS, 11 Ravina Park, Decatur, Illinois 62526

JCJ - JOHN C. JOHNSON, 707 N. 31st, Apt. 4, Billings, Montana 59101

(Welcome back, John. Keep in touch.)

RFK - RALPH KEMPER, 297-27 3/8 Road, Grand Junction, Colorado 81501

FSM - FRANK McCOY, Box 22374 LSU, Baton Rouge, Louisiana 70803

BN - BILL NITTLER, Box 295, McCook, Nebraska 69001

DS - DAVID SHAPIRO, YMCA, Room 424, 101 Locust St., Des Moines, IA 50309

(Welcome, Dave. Your handwriting looks like mine-horrible, hi)

MAS - MORRIS SORENSEN, God's Narrows, Manitoba ROB OMO

Nobody has bothered to point out one thing with Dr. Wood's proposal-- it's too easily evaded. A person could evade commercial membership fees by simply using his home address. With so many members now who never report, one more would never even be noticed. Why waste the effort? And, who's to say they aren't interested in the hobby? The WCWC test was quite interesting. They beam north to protect Harvard, Ill., one of my most wanted stations, yet they were in here with a beautiful signal. One unfortunate part was the long involved IDs they ran. Most difficult to copy, even with a tape recorder. Enjoyed listening to the various phone calls. Two veries in this week: v/c WSPR-1270 and v/l from WERL-950 who said they know Roger Winsor's father. This from a station 300 miles away mentioning a person I met very briefly four years ago is what makes paper veries more interesting and personal than tapes and keeps the interest in the hobby up. Sinkfull of dirty dishes waiting for me, so...73.

No WDXR As earlier announced, there is no WDXR this issue because last issue used all the reports; however, it looks as if there will be no WDXR next issue either since there are very few reports. Come on, Westerners, are you going to see WDXR dropped completely for lack of proper support? -DEE

deadlines- every Thursday. For reports to be received before January 7, send reports to me at 6617 Maryland, Hammond, IN 46323. Otherwise, send reports to Palmer Hall Box 113, Muncie, IN 47306.

Keith Mehl - 1320 SW Broad St. - Des Moines, IA 50315

Howdy, gang, how's winter in your town? So far we've had up to 9" of that white fluff. So much for the wx report, now for the DX report. My totals have gone up a bit, my absolute totals are 243/65. My domestic totals are 233/65 w/31 states, 4 provinces. My latest state being Montana by KGHL 790. Not much CPC work done here due to working overtime for three weeks straight (which means I sleep all day). About the only time I have to DX is on weekends and even then I'm too tired to stay up past 1 or 2 AM. Well so much for all that. Latest veries include, KRVN+CM, WIL, KJFJ, WLAC+sticker, all v/1, KWKH v/q. 73's till next time.

Rick King - 215 Marjorie St. - Winnipeg, MB R3J 1R5

Greetings from ol' Manitoba. Since this province hasn't appeared in CDXF for a while I decided I would put a good word in. Totals are riding about 483/290 as I have just started listening again. I spent the whole summer talking skip on CB HiHi. I've only picked up 21 stations since Feb. 7. New receiver here National RCE, rebuilt. Rumor has it that CFRW will be going off the air for a couple of weeks to move their antenna to a new location. I finally renewed for my 3rd year. I dropped 2 clubs and renewed to 2. I also got to figure out why my neighbor got a verie from CJOC. 73's and I'm gone figurin'!

John Tull - 5539 Oak - Kansas City, MO 64113

(two reports) Happy holidays to all of you. Christmas came early to the Tull household in the form of a National NC173. To say the wife surprised me is an understatement! I have just wired up a mechanical filter and Q-Multiplier and it sure works great. Sure beats the NC57 in little things like no drift, better bandspread and real quality audio. The only drawback is the small S meter seems to jump around a bit. Now the better half is talking about new carpets and just what can I say? 73 + have a happy.

Seasons greetings to all. I have been busy adding to my NC173. I added two more IF stages and a mechanical filter. Now it has all the gain anyone needs and is sharp enough to pick up most splits. I pulled a complete alignment on the rx, now the dial is within 1 kHz across the band. The AVC is very fast tho and I may go to a longer time constant. If anyone has a mechanical filter they don't need please drop me a note as I would like to buy one. Perhaps after Christmas I can get some DXing done but now all extra time is used shopping- with 5 kids to buy for it's an uphill fight. 73.

Charles R. Smith - Box 298, Sub Post 6 - Saskatoon, SK S7N 0W0

Hello from the frozen expanses of Saskatchewan! DXing hasn't been the best here, because of the insurmountable interference from Christmas exams, hi. (Are there any other medical students in the IRCA who have the same problem?) I did an occasional bit of BCB DXing in '68, but let it slide until DEE sent a sample DXM 6 months ago. Totals are now 250/180, 37/35, 9/9 and 3/3. I thought FJP was putting me on w/world-wide DX, but I just heard XEG for country #3 and now admit it is a possibility. Recent veries include v/q WKY, KXLY, CKDM (formerly a non-verifier) and v/1 CFCP, CKKC, KBBO, KGEK, KTOK and KFLY. Heath GR-64 rx is due for retirement. 73 and good DX.

John Zondlo - Palmer Hall Box 113 - Muncie, IN 47306

Hope everyone is enjoying the holiday, and good DX to all of you in 1973. Sorry for not having a CDXF last issue, but work was nearly insurmountable. The Christmas Mass I put on for the campus here really went off well. Recent verie here is WCMS 1050 Norfolk VA v/1.

David Shapiro - YMCA - 101 Locust St. - Des Moines, IA 50309

Hello DXers, long time no write. I am also living in Des Moines, having been here since August, hi. Use a Sony TFM rx for DX and my totals are 200/26. Best ones are WBAX 1240, WCNC 1240, WTIP 1240, CHOO 1390 and WMRB 1490. XEMO 860 is best country. Vories (sic) out to KUSD 690, WJIM 1240, WJIL 1550, KGMO 1550, KMBZ 980, WRVA 1140, KAYL 990, KGRN 1410, KNEI 1140, KCFI 1250 and CBK 540. Vorie (sic) received here include KSAC 580 v/1, WIBW 580 v/q, KXEL 1540 v/q, KXIC 800 v/q and KDLS 1310 v/1. Until next time, 73s.

Robert Kramer - 3406 W. Pierce - Chicago, IL 60651

Hi: Well here they are, my 3rd annual awards. This year's DXer of the year is Karl Forth. The member of the year is Sheldon Schwartz. The editor of the year is Bill Hardy. The RK good guy award goes to Richard Evans; the club's wierdest person for the 3rd straight year Al Ogrizovich, the winner of the award for unbelievable greatness is me, hi, the winner of the Don Erickson look-a-like contest is Don Erickson & the most likely to be drafted into the Martian marines is John Zondlo (I didn't want our great editor to go away empty handed). Well there they are. I promised my girl friend I'd say hi to her in this report, so hi Danita. The only real exciting DX here was my reception of my first California regional in KOGO-600. Well my supper is almost done, so I'll say bye now. Hammond in 73. THE BIG RK IN THE MIDWEST.

Karl Forth - 630 S. Ardmore - Villa Park, IL 60181

New receiver here is a used HQ-160. I got it for \$150 from the Chief Engineer of WAIT, who used to be a ham. Selectivity is excellent, but I'm having trouble with poor image rejection that may be partly caused by the dumpy longwire I put up. I got the parts for a spiral loop and will build it as soon as I can get my hands on a power drill. DX continues to be good here with many new stations logged, the best of which is WSYB-1380 Rutland, Vermont on an ET. Last week's veries: v/q WNAX-570, WILY-1210, WHBC-1480, WBEN-930, WHIS-1440 and WELI-960 a f/up for Feb. reception. V/1 KPEL-1420, WITY-980, KTUI-1560, CFSL-1190. Domestic totals: 640/338 42/39. Good Holiday DX. 73's.

John C. "Charley" Kelcher - 443 Garfield Terrace - Lombard, IL

Hi, I'm a new member, am 33 and didn't even know BCB stations sent veries til this year. DXing sure is a lot of fun and "DX Monitor" makes it much better, thanks to the great efforts of all the editors, typists and publisher. My rig is an Allied 2682 which I also use for some SW DXing as well as snooping on other bands. Thought Don Eggert's letter in 11/18 DXM was interesting; for strongest 50kw stations I go along with WWL, KXEL and WRVA, but would choose KAAV and KYW for my top 6, along with either KOA or WOAI considering distance. maybe DEE's "census" of 1st 5 sent for would shed some light on this, since beginners will most likely send for stations that are both strong and distant. Current totals here are 33/27 for states heard and veried, and 4/3 on provinces. 73 and good cx for DX; we all need it.

Rich Eddie - 152 West Rose - St. Louis, MO 63119

Hi gang! Welcome to all the new members especially Jim Meyerson and Jonathan Tiemann of St. Louis. Totals now at 1062/623, 47/46, 6/5 and countries 19/13. ZDK 1100 St. John's Antigua was country #19 heard and #13 QSLed. XELO is now XEROK as of Dec. 4th, WLS type jingles Most of my recent (Oct.) DX has been in the roundup section. A local note KATZ 1600 is now AN-7-SP unknown, ditto for KMOX 1120 and WESL 1490 E. St. Louis IL. So MM has 3 ANers. The IRCA Foreign Log is great! Hope everyone has a very Merry Christmas and Happy New Year! Good DX and 73's! Hammond in '73! Peace!
From ye editor--- Try to keep reports pertinent to DX; don't wander off to totally irrelevant subjects, OK?

Jerry Peek - 1160 Myrtle - Los Alamos, NM 87544

I've been working nights for the last month and hadn't noticed how much the cx have improved. I warmed up my Heathkit and WHAM Rochester came booming in. Also heard CBW Winnipeg - my first Canadian station. Two weeks ago heard Voice of America broadcast to Latin America from transmitter in Marathon, Fla. Anybody know output of Marathon station? 50kw? Totals now 165/111. Dave Rogers, I received a KGYN verie on 9/19 - it was a mimeographed v/l. 73's and gud DX.

Gene Martin - 3303 E. Evans - Denver, CO 80210

One night during the recent spell of TA reception, I turned to 764 at about 0645 GMT, and found a carrier boosting the needle to 20, but all was silence-- No sound on that carrier. I wondered is this some strange outlaw? But that carrier was right on Dakar's bearing, 85 degrees. The silence continued for at least 90 seconds, and then the audio began. It was Dakar, and I had caught more than a full minute of dead air. But the amazing thing is how poor the sound was in relation to the strength of that carrier. A US station with a carrier at 20 is good and loud far above the noise level. But the Dakar audio, although quite clear, wasn't strong at all. But if most of the TA stations are like this, then that is reason enough to explain why we so often hear decent carriers without a bit of sound on them. Wish somebody who understands the difference would explain how come European transmission is carried deep in the carrier while US stations carry the audio far on top of the carrier.

Broadcasting Information (as compiled by Mike Worst) Dec. 18 issue & the CRTC

KATN	950	5kw-D	Boise, Idaho	granted KBRJ
WXLN	950	1kw-D	Potomac-Cabin John, Md.	requests WCTN
WGTR	1060	1kw-D	Natick, Massachusetts	start operation
WGHM	1150	5kw-D	Skowhegan, Maine	granted WSKW
new	1190	1kw-D	Boulder, Colorado	requests KADE
new	1220	250w-D	Midwest City, Oklahoma	requests KKMC
WBRL	1400	250w	Berlin, New Hampshire	to 1kw-D, 250w-N
new	1440	1kw-D	Holly Hill, S.C.	requests WKHJ
CFRW	1470	5kw DA	Winnipeg, Manitoba	to 10kw DA
WSDC	1490	250w	Hartsville, S.C.	start operation
CKAY	1500	1kw DA-1	Duncan, B.C.	to 5kw-D, 1kw-N, DA-2
WKKD	1580	250w-D	Aurora, Illinois	granted WFVR
KBGO	1580	1kw-D 500w-N	Waco, Texas	requests KRZI

Flash Tips and CPC Results

Ronald Franklin Schatz and Randy Verdun Minnehan both provided information on reception of the brand-new Radio Paradise, 1265 kHz, in St. Kitts. Ron independently discovered the station prior to the last DXM and advised Gordon Nelson. Alan Merriman, meanwhile, was provided a phone tip on R. Paradise but it is not known how reception is at Alan's shack in Fairfax, Va. R. Paradise is, naturally, a local for Ron, in Miami. Randy, in Columbus, Ohio, and using, if I recall correctly, a Realistic TRF, reports good signals; he notified other Columbus DXers that evening, Mon. 1/1. Based on Randy's tip, your publisher heard the first readable (?) audio around 0300 GMT 1/2, here in Riverside. No ID hrd and they appeared to sign-off by 0400 GMT. Jerry Monroe, in the Buffalo, New York, area, had originally reported American EE; Randy heard them with distinctly British EE. Randy's reception was between 0115 and 0125 GMT 1/2. Ron Schatz noted a Haitian on 1475, a Haitian on 1330, ex-1325, PJA5-1435, and a SS-805, all on AN for New Year's Eve. On PJD2, Ron notes that power was increased to 10kw from 1kw and that they are "The Rock 2," and "Hot Shot 2," among other slogans for their rock programming. This was a change from religious pgmg; Paradise-1265 is all-religious. ### CPC Results: Tom Sundstrom rpts WLIK-1270 not hrd at 0100 12/25, if on. No one else has rptd them either. ### More misc. flash tip info will be found on page 23, the last page of Father Jack's "Skyline Blockage." -DEE

SKYLINE BLOCKAGE

or

How I Learned to Live with My Mountains

Father Jack Pejza

One problem which sometimes faces DXers is that of signal blockage. High mountains or tall buildings can block signal paths, thus making DX in certain directions very difficult. I faced this problem when I was DXing from Ojai, California, at a site about 700 feet above sea level, but in a valley surrounded by mountains up to 6000 feet high less than ten miles away. Fortunately, it was a quiet location, and weaker signals could be heard there than in my present location in San Diego.

In this article, I will show you how you can figure out why particular stations which everyone else is hearing might not be heard by you, or why you can hear some stations which you don't think you should.

In general, radio signals leave a transmitter at an angle close to the ground in order to travel as far as possible. The closer a signal path is to the vertical, the further it has to travel into an ionospheric layer in order to be refracted back to earth. Since it must travel further, it will also be absorbed more. On the other hand, a wave leaving the transmitter at a low angle will barely enter the ionospheric layer before it is refracted back to earth. (Figure 1)

If the earth were an infinitely long flat surface with a flat ionosphere above it, a wave leaving the ground would bounce back and forth between ionosphere and ground. A wave at a very small angle would travel an extremely long distance. Each reflection of the wave from the ground causes a certain portion of the energy to be lost; the same would be true for each refraction from the ionosphere. Consequently, a signal gets weaker as it travels further and makes more bounces. If two possible paths exist for a signal, the one which has the smaller number of skips ordinarily will retain more of its energy and bring a stronger signal to the receiver. (Fig. 2)

On the curved earth, skip distances increase as also as the angle of the signal decreases. However, with a round earth, there is a maximum skip distance. When the angle of the wave is 0° , the signal comes in right along the horizon. (Fig. 3a). Most stations, however, do not lie at exactly the proper distance for such an occurrence. Instead they are at some other distance, and the signal arrives at the receiver at some other angle. (Fig. 3b). From geometric considerations, the following relationship can be derived between the angle at the center of the earth (which is related to the distance along the earth's surface), the height of the ionospheric layer, and the angle at which the signal arrives at the receiver:

$$\alpha = \sin^{-1} \frac{(H + R) \cos \theta - R}{\sqrt{2R(H + R)(1 - \cos \theta)}}$$

where R is the radius of the earth, θ is the angle at the center of the earth, H is the height of the layer, and α is the angle of approach for the signal path.

The following algorithm can be used to figure out at what angle a signal will arrive at the receiver site. A table of sines and cosines is needed, as is some means (such as a slide rule) of figuring out square roots.

- D = distance between transmitter and receiver in statute miles.
 N = 2 if D is less than 2400 miles
 4 if D is between 2400 and 4800 miles
 6 if D is between 4800 and 7200 miles
 8 if D is between 7200 and 9600 miles
- V1 = D/N
 V2 = V1 x 0.0144
 V3 = ccs V2
 V4 = 1 - V3
 V5 = 6680 x V3
 V6 = V5 - 6380
 V7 = 0.85 x V4 x 10
- V8 = $\sqrt{V7}$
 V9 = V6/V8
 $\alpha = \sin^{-1}(V9)$, i.e., the angle whose sine is V9

The algorithm on the previous page applies to F-skip. For E-skip, the same procedure is used, with the following substitutions:

$$\begin{aligned}
 N &= 2 \text{ if } D \text{ is less than } 1380 \text{ miles} \\
 &4 \text{ if } D \text{ is between } 1380 \text{ and } 2760 \text{ miles} \\
 &6 \text{ if } D \text{ is between } 2760 \text{ and } 4140 \text{ miles} \\
 V5 &= 6480 \times V3 \\
 V8 &= 0.825 \times 10^8 \times V4
 \end{aligned}$$

In these calculations, it is presumed that the F layer is at a height of 300 kilometers above the surface, and the E-layer at 100 kilometers. These values aren't quite correct for every path. As mentioned above, a wave travelling at a steeper angle will penetrate further into the layer. However, for simplicity, the values will be presumed.

Examples: San Diego to Mexico City

1-F skip

$$\begin{aligned}
 D &= 1435 \text{ miles} \\
 N &= 2 \\
 V1 &= 718 \\
 V2 &= 10.3^0 \\
 V3 &= .9839 \\
 V4 &= .0161 \\
 V5 &= 6560 \\
 V6 &= 180 \\
 V7 &= 1.37 \times 10^6 \\
 V8 &= 1.17 \times 10^3 \\
 V9 &= .156 \\
 &= 9^0
 \end{aligned}$$

2-E skip

$$\begin{aligned}
 D &= 1435 \text{ miles} \\
 N &= 4 \\
 V1 &= 359 \\
 V2 &= 5.18^0 \\
 V3 &= .9959 \\
 V4 &= .0041 \\
 V5 &= 6450 \\
 V6 &= 70 \\
 V7 &= 33.8 \times 10^4 \\
 V8 &= 5.81 \times 10^2 \\
 V9 &= .124 \\
 &= 7^07'
 \end{aligned}$$

In this example, the E-layer wave arrives at a smaller angle than the F layer wave. This will not always be the case. It is also possible in many cases, other modes which might be operating, such as 2-F or 3-E. Figure 4 is a chart showing possible propagation modes existing at different distances.

Now to get down to the problem at hand. A mountain on the horizon will block out waves approaching at a low angle if it is tall enough, or close enough, to form an angle larger than that of the approaching wave. For nearby hills, a simple approximation that the earth is flat can be used. (Figure 5). In this case, $\tan \theta = H/D$, where H is the height of the hill, D is the distance away from you, and θ is the angle blocked. Both H and D must be expressed in the same units--feet, yards, miles, etc.

For hills or mountains which are father away, it is necessary to take the curvature of the earth into consideration. In this case, the bottom of the mountain will be hidden by the horizon, and the mountain will not subtend the same angle as it would if it were up close. To figure out the apparent height of the mountain, a relationship from Bowditch's American Practical Navigator, relating the height of an observer above sea level and the distance to the horizon will be used. In Figure 6, E represents your elevation above sea level; H represents the height of the mountain above sea level, and D is the distance in miles between you and the mountain.

The apparent height of the mountain will be $H - H2$, where H2 is the part of the mountain hidden by the horizon. Once the apparent height H3 is figured out, then the angle of blockage can be approximated by the method used above.

The following algorithm can be used to figure out the angle of blockage. A trig table of tangents of angles is needed.

E = your elevation above sea level in feet
 H = Height of the mountain above sea level, in feet.
 D = Distance to mountain, in miles.

1. Look up E in Table 1, call the corresponding value of d D1
2. Compare D and D1. If D is larger than D1, then go to step 7. If D is smaller than D1, go on to step 3.
3. $D3 = D \times 5280$
4. $H3 = H - E$
5. $T = H3/D3$
6. Look up T in tangent table; find corresponding value of β
7. $D2 = D - D1$
8. Look up D2 in Table 1, find corresponding value of H2
9. $H3 = H - H2$
10. $D3 = D \times 5280$
11. $T = H3/D3$
12. Same as step 6.

Once you have figured out the angles that are blocked by your local terrain, and the angles of the incoming waves from various places, it is easy to prepare a chart showing your horizon and the location of incoming waves in relationship to it. Figure 7 is a chart which I recently prepared for my previous location in Ojai. (My horizon in San Diego is pretty clear, so only signals from a couple very low angles would be blocked in a few directions.)

Notice that in several cases, in Figure 7, (Emerald, Australia, for instance,) the signal arriving from the third F-layer skip is blocked, but the signal arriving from the fourth F-layer skip comes in over the local terrain. That means that I could pick up the signal, but much weaker than someone sitting on a hilltop overlooking the Pacific. Fourth-skip signals from Europe would have arrived above the mountains, but probably would have been so weakened by that extra skip in the auroral zone that they would not have gotten above the background noise. In fact, the only TA noted in Ojai was BBC-1214. Either a fourth skip did get through on that occasion, or my calculations of the angle of blockage and/or 3F skip angle are slightly inaccurate.

As can be noted from the chart, the only really clear portion of the horizon was to the Southwest. Experience bears this out. In the two years or so I DXed from Ojai, five or six Zedders were definitely logged and verified, whereas almost no Asiatic stations were even tentatively logged.

Havana poses an interesting problem. As can be seen, the only really clear path is by means of 3rd skip E-layer. Someone better versed in propagation might be able to say whether such a mode is possible, or whether it is more likely that second skip F-layer reception, at about 12° above the horizon, would be responsible.

I hope that these charts and algorithms will interest a few into doing some research into their blockage problems. If so, I hope to see the results published in the bulletins so that others can learn from our common problems.

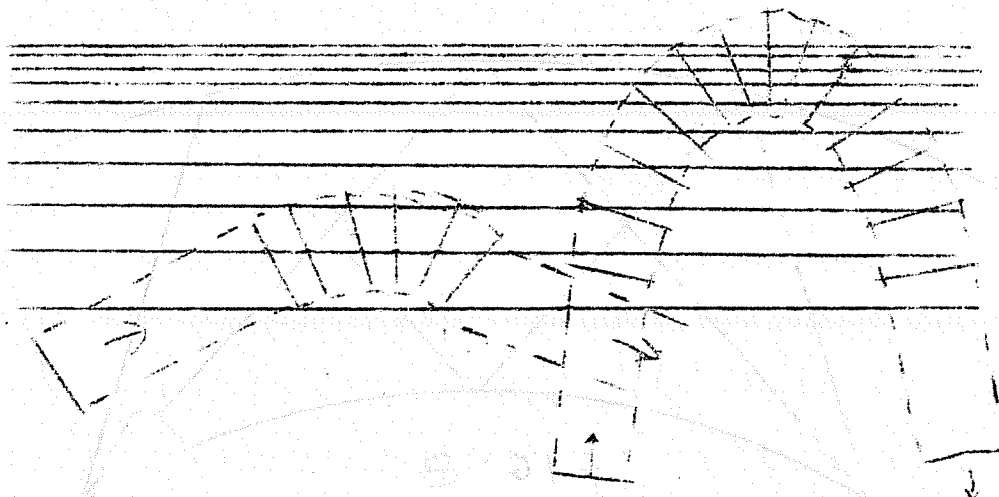


FIG 1

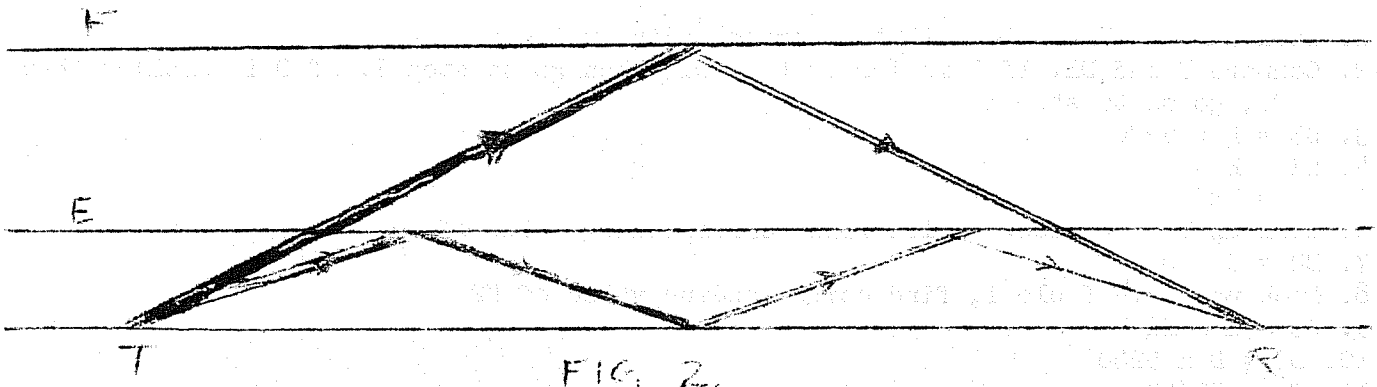


FIG. 2.

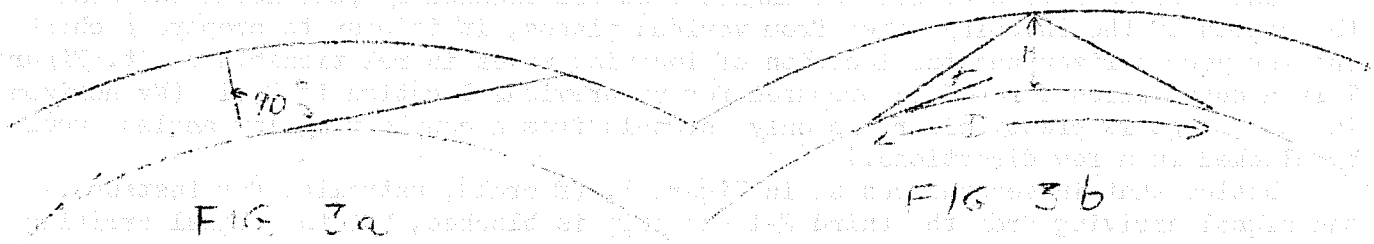


FIG. 3a

FIG. 3b

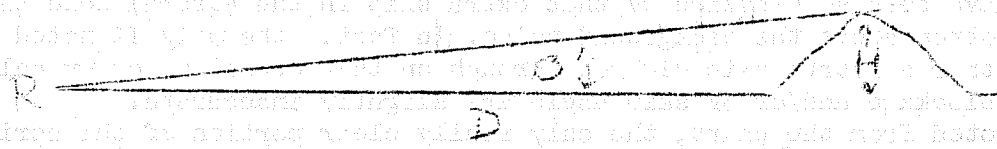


FIG. 5

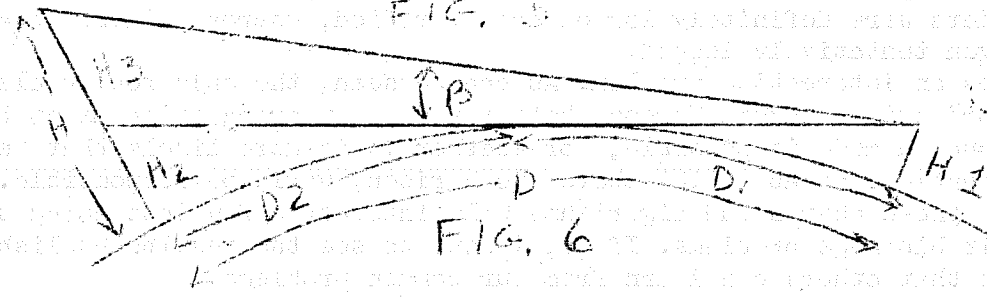


FIG. 6

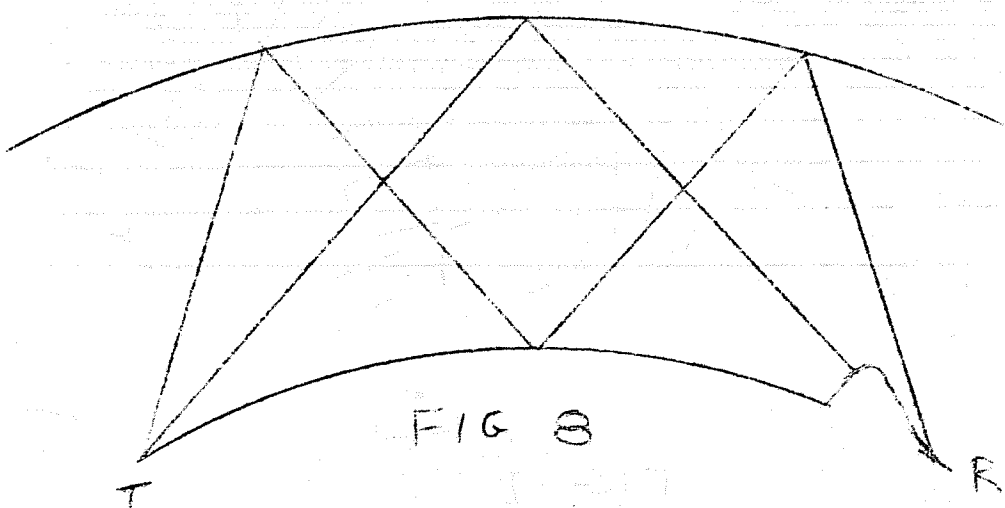


FIG. 8

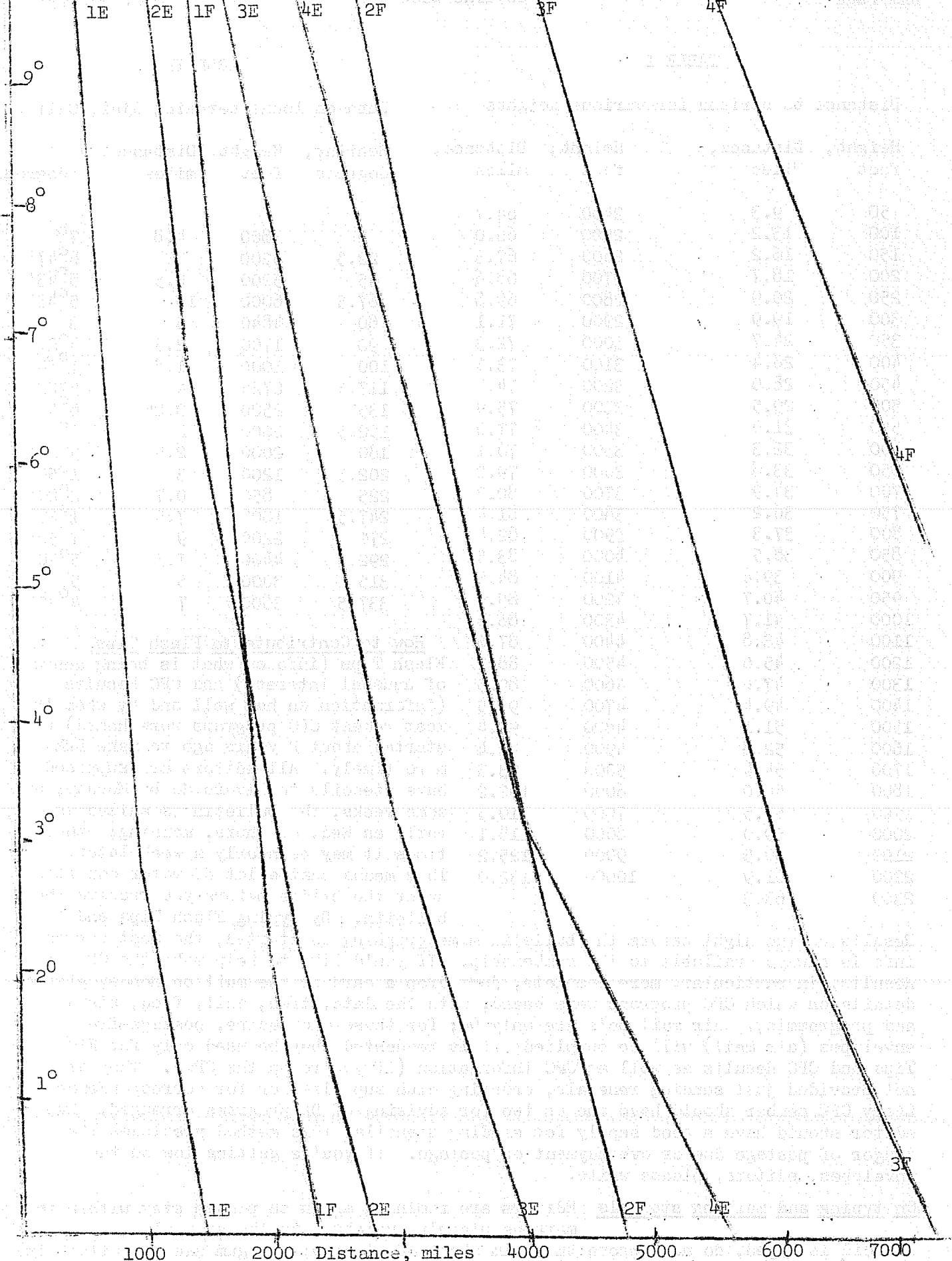


Figure 4 Relationship between distance and approach angle for various modes

TABLE I

Distance to horizon for various heights

Height, feet	Distance, Miles	Height, feet	Distance, miles
50	9.3	2400	64.7
100	13.2	2500	66.0
150	16.2	2600	67.3
200	18.7	2700	68.6
250	20.9	2800	69.8
300	19.9	2900	71.1
350	24.7	3000	72.3
400	26.4	3100	73.5
450	28.0	3200	74.7
500	29.5	3300	75.9
550	31.0	3400	77.0
600	32.3	3500	78.1
650	33.6	3600	79.2
700	34.9	3700	80.3
750	36.2	3800	81.4
800	37.3	3900	82.4
850	38.5	4000	83.5
900	39.6	4100	84.5
950	40.7	4200	85.6
1000	41.7	4300	86.6
1100	43.8	4400	87.6
1200	45.6	4500	88.5
1300	47.6	4600	89.5
1400	49.4	4700	90.5
1500	51.1	4800	91.4
1600	52.8	4900	92.4
1700	54.4	5000	93.3
1800	56.0	6000	102.2
1900	57.5	7000	110.5
2000	59.0	8000	118.1
2100	60.5	9000	125.2
2200	61.9	10000	132.0
2300	63.3		

TABLE II

Data on local terrain, Ojai, Calif.

Bearing, degrees	Height, feet	Distance, miles	degrees
	3800	4.8	7°
0	5200	7	6°47'
22.5	5200	8.5	5°43'
45	6000	10	5°43'
67.5	4840	15	3°
80	1700	2.5	4°20'
90	1000	1.8	1°50'
100	2725	4	5°23'
117.5	2500	3.25	6°
135	2000	2	7°
152.5	2000	2.5	5°29'
180	1200	3	1°50'
202.5	850	0.7	2°20'
225	1800	7.5	1°37'
247.5	2200	9	1°50'
270	4400	7.3	5°30'
292.5	3000	5	5°
315	3600	7	4°30'
337.5			

How to Contribute to Flash Tips

Flash Tips (info on what is being heard of unusual interest) and CPC Results (information on how well and by whom the most recent CPC programs were heard) was started about 2 years ago to make DXM more timely. All editors are supposed to have stencils to Riverside by Monday; on some weeks, the bulletin is mailed as early as Wed. or Thurs. morning; other times it may be nearly a week later. This means that a lot of water can flow under the bridge before you receive the bulletin. By typing Flash Tips and CPC

Results on the night before the bulletin mimeographing is started, the most current info is always available to the membership. If you'd like to help make the CPC Results, in particular, more complete, just drop a card in the mail on Monday giving details on which CPC programs were heard, with the date, time, call, freq, signal and programming. Air mail pc's are only 9¢; for those who desire, postage-free envelopes (air mail) will be supplied; it is requested they be used only for Flash Tips and CPC Results as well as CPC information (if you're on the CPC). They are not provided just sending renewals, ordering club supplies, or for correspondence. Every CPC member should have one or two for advising of DX programs arranged. Every editor should have a good supply for sending stencils; this method precludes the danger of postage due or overpayment of postage. If you're getting low on the envelopes, editors, please write.

On typing and mailing stencils Editors are reminded again to please stay within the margins plainly indicated on the stencils. After a stencil is typed, do not remove the film sheet of plastic; the gum used to attach it sticks to everything. The backing sheet of cardboard should be removed. Stencils are then folded around themselves and placed in the legal size envelope. -DEE

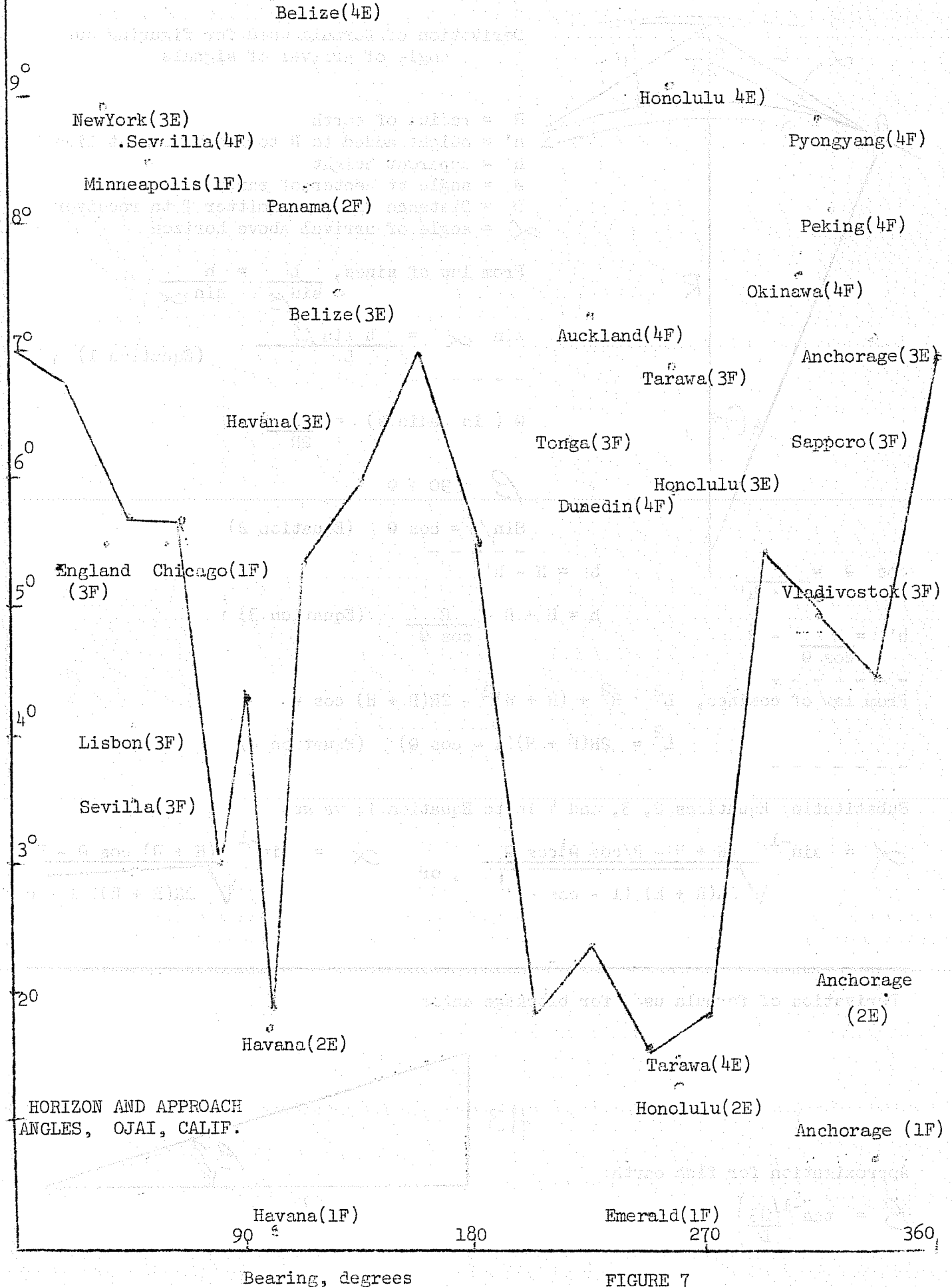
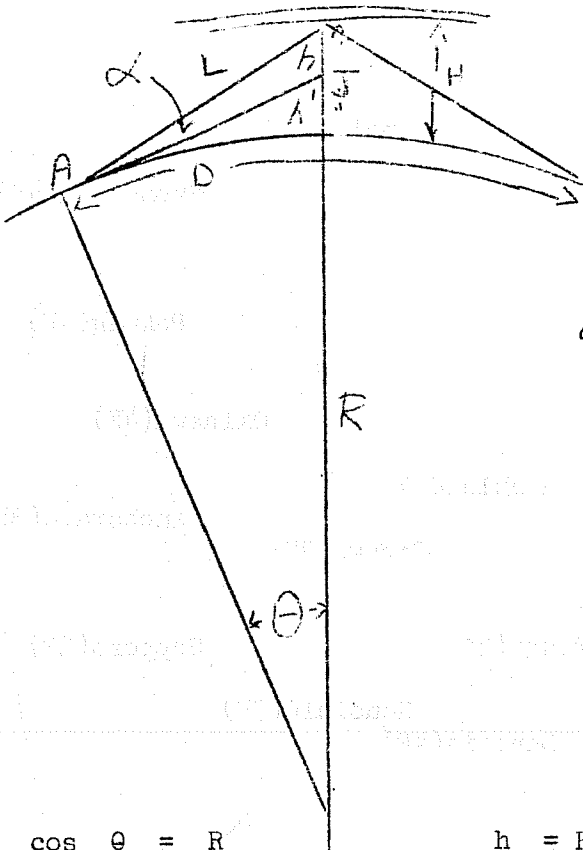


FIGURE 7

Derivation of formula used for figuring out angle of arrival of signals



- R = radius of earth
- h' = height added to R to reach tangent line AJ
- h = apparent height
- theta = angle at center of earth
- D = Distance from transmitter T to receiver A
- alpha = angle of arrival above horizon

From law of sines, $\frac{L}{\sin \beta} = \frac{h}{\sin \alpha}$,

$\sin \alpha = \frac{h \sin \beta}{L}$ (Equation 1)

theta (in radians) = $\frac{D}{2R}$

$\beta = 90 + \theta$

$\sin \beta = \cos \theta$ (Equation 2)

$\cos \theta = \frac{R}{R + h'}$

$h = H - h'$

$h' = \frac{R}{\cos \theta} - R$

$h = H + R - \frac{R}{\cos \theta}$ (Equation 3)

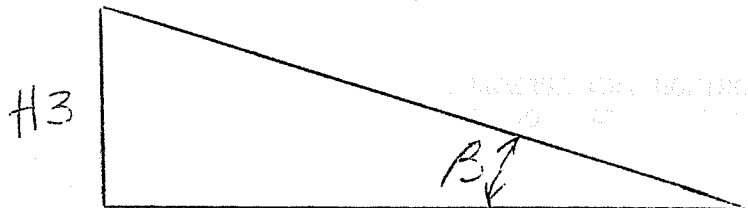
From law of cosines, $L^2 = R^2 + (R + H)^2 - 2R(R + H) \cos \theta$

$L^2 = 2R(R + H)(1 - \cos \theta)$ (Equation 4)

Substituting Equations 2, 3, and 4 in to Equation 1, we get

$\alpha = \sin^{-1} \frac{(H + R - R/\cos \theta) \cos \theta}{\sqrt{2R(R + H)(1 - \cos \theta)}}$, or $\alpha = \sin^{-1} \frac{(H + R) \cos \theta - R}{\sqrt{2R(R + H)(1 - \cos \theta)}}$

Derivation of formula used for blockage angle



Approximation for flat earth:

$\beta = \tan^{-1} \left(\frac{H3}{D} \right)$

For curved earth,

$$H3 = H - H2$$

$$D2 = D - D1$$

$$D1 = 1.32 \sqrt{H1}, \text{ where } D \text{ is in miles} \\ \text{and } H1 \text{ is in feet}$$

$$D2 = 1.32 \sqrt{H2}$$

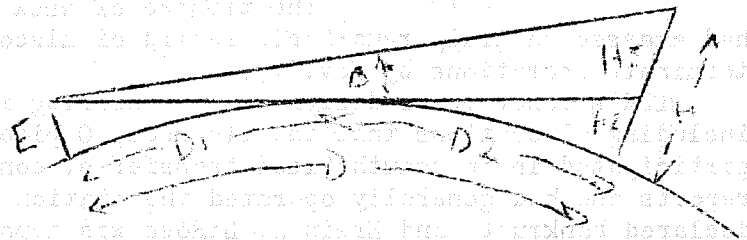
$$H2 = \left(\frac{D2}{1.32} \right)^2$$

$$H3 = H - \left(\frac{D2}{1.32} \right)^2$$

$$H3 = H - \left(\frac{D - D1}{1.32} \right)^2$$

$$H3 = H - \left(\frac{D}{1.32} - \sqrt{H1} \right)^2$$

$$\beta = \tan^{-1} \left(\frac{H3}{D} \right)$$



Flash Tips

(continued from page 14) Derek J. Ford, Vancouver 9, B.C., Canada, comments on the 1490 kHz relay of CJOC. On page 2 of the 11/18/72 DXM, your pub. corrected an error by saying CJTR should be CJCR, the call of the relay. Derek advises, however, that not only is CJTR wrong but so is CJCR. The correct call, per verification letter, is CJPR. Original info from John Oldfield, Edmonton, who expects to move to Vancouver before too long. ### And from John Oldfield: CJOK-1230 in Fort McMurray, Alberta, went on the air at 0200 EST on New Year's Day, 1/1/73. ### Harry Helms, in Ft. Mill, SC, for Christmas, reports: "A stn, assumed to be YNX-750, Managua, Nicaragua, was noted 0920-0955 GMT on 12/25. WSB was off and there was QRM from unIDed SS stn at times." Harry said there were live reports on persons who were in the Managua area at the time of the earthquake with several

reports dealing with American citizens. Harry doesn't explain the conflict with the information that American citizens had been airlifted out of Managua or why the station was able to remain on the air under the circumstances. Ron Schatz suggested that it was possibly some other station interviewing evacuees. -DEE

Geomagnetic indices for the week Dec. 20 thru Dec. 26 were as follows: 05 01 09 19 10 03 03. Geomagnetic conditions were unsettled for about 48 hrs, 22-24 Dec. Geomagnetic activity is expected to remain low for the coming week. -HQ

FM Atlas Bruce Elving, Publisher of the FM Atlas and Station Directory, sends along a news release on his publication. Dr. Elving, a former IRCA member, whose main interest is in the FM field, is probably the top FM DXer in the world. To order his book, send check or money order for \$2.50 per copy third class mail, or \$2.75 per copy for first class mail. All orders should be sent to: Bruce F. Elving, FM Atlas Publishing Co., P. O. Box 24, Adolph, MN 55701. The Atlas and Directory are a must for every serious FM DXer. -DEE

NEW MEMBERS (continued from page 1)

Eric Herson - 146 Glenmont Avenue - Columbus, Ohio 43214 (via Randy Minnehan)
 Bob G. Mahrenholz - 307 Old Fort Street - Tullahoma, Tennessee 37388 (via (via CH 73)
 Leonard Thiltgen - P. O. Box 813 - Fairbanks, Alaska 99707 (via CH 73)
 Bradford Wall - 25776 Walker - San Bernardino, CA 92404 (rejoins; joined 10-4-69)
 Tom Walsh - 53 Neponset Road - Quincy, Massachusetts 02169 (via Shel Swartz; NRC)
 William Ziewacz - 101 Lancer Court - Johnstown, Pennsylvania 15906 (via CH 73)

CHANGES OF ADDRESS

Gregg Allinson - 816 Geary Blvd., #2 - San Francisco, California 94109
 H. John Clements - 24836 Walnut St., Apt. H - Newhall, California 91321
 HN Michael S. Hardester, 559-80-7072 - Co. 25 B, U. S. Naval Hosp. Corps Sch. -
 P. A. Desmond Lanktree - 68 Weber Street South, San Diego, Calif. 92134
 Apt. 18 - Waterloo, Ontario, CANADA N2J 1Z7 (add postal code)
 Robert McKinney - R. R. 2 - Clinton, Illinois 61727
 Michael G. Worst - 3608 Phinney North - Seattle, Washington 98103

WLUX-1550 ORDERED OFF AIR The FCC has unanimously denied the renewal application of the trustee of WLUX Baton Rouge, La., saying the station had amassed "a truly remarkable record of misconduct," and ordered the station to terminate operations by Nov. 13.

WLUX's renewal was designated for hearing in October 1970 on a number of issues, including allegations that the licensee, Capitol City Communications Inc., had participated in an unauthorized transfer of control, had filed inaccurate ownership reports and had generally operated the station improperly. The licensee was later declared bankrupt, and Erwin A. LaRose was appointed receiver. The FCC denied LaRose permission to sell the station, so he tried to get the license renewed. The FCC decided that continued operation of WLUX would enable the stockholders of Capital City to benefit financially by relieving their liability towards the corporate debt. and the FCC declared the stockholders had "an utter disregard" for FCC rules.

(Based on Sept. 25 Broadcasting)

KVAN-1480 DENIAL RECOMMENDED A few years ago, Vancouver, Wash. had four AM broadcast licensees. At present, only one of its stations, KGAR-1550, is operating with a currently valid license. KISN-910's license renewal went up for hearing in 1971. Now, KVAN-1480, which went into hearing in 1969, may lose its license. (The fourth station, KKEY-1150, got itself moved to nearby Portland, Ore., a few years ago.)

FCC Administrative Law Judge (that's the new name for Hearing Examiner) Millard F. French has recommended that KVAN's license renewal application be denied.

KVAN has been operating with short-term authorizations, less than the normal three years, since 1963, shortly after Cathryn C. Murphy became the licensee. Judge French noted that KVAN's license renewal application, due to be filed no later than Nov. 4, 1968, was not submitted until Feb. 3, 1969, three days after the old license expired. Mrs. Murphy had claimed that she sent the application by registered mail to the FCC on Nov. 21, 1968, but Judge French said this was proven false in the hearing record.

Judge French noted that while Mrs. Murphy was licensee, the station had been issued 122 technical violations and had been fined three times, and, among other things, had moved its transmitter site in 1969 without FCC approval and then given false testimony about the transmitter location. The judge concluded, "Such lack of candor and willingness to fabricate situations require the ultimate conclusion that she does not possess the requisite qualifications to be a licensee of this commission."

(Based on 9/18/72 Broadcasting and an undated clipping from the Portland Oregonian sent in by Bill Block.)

So far, no decision has been announced in the KISN-Star Stations case.

OTHER HEARINGS Quickly, the latest on other stations involved in hearings:

The sale of KBTR-710 Denver (see 8/12 and 6/17/72 DXM's) has been stayed by the U.S. Court of Appeals in Washington. The FCC had previously stayed its approval for the KBTR sale to permit appeal. (Based on Broadcasting, 10/16/72.)

The FCC's vote against renewing the licenses of WXUR-AM-FM (690) Media, Pa. was upheld by the U.S. Court of Appeals in Washington. The FCC's denial was based on the fairness doctrine and personal-attack rules and alleged misrepresentation of program proposals by the licensee, Brandywine Main Line Radio Inc., owned by Faith Theological Seminary, whose chairman is radio evangelist Dr. Carl McIntire (20th Century Reformation Hour). Dr. McIntire is expected to appeal to the U.S. Supreme Court. (Based on Broadcasting, 10/2/72.)

And the renewal hearing for KAYE-1450 Puyallup, Wash. has resumed, with FCC Administrative Law Judge Ernest Nash ejecting KAYE attorney Benedict Cottone from the hearing once again. Judge Nash issued an initial decision in June 1971 recommending denial, but the FCC sent the case back to Nash this May because of KAYE's claim that Nash had closed the record without an opportunity for rebuttal. Cottone was also an attorney in the WXUR proceeding. (Based on Broadcasting, 9/18/72.)

Editor's note: Citizen groups challenge license renewals almost monthly these days - in fact, it's getting out of hand. Special Features will usually not report these challenges unless there's a good chance they'll be successful, since otherwise they won't affect us DXers. -BH.

Editor: Father Jack Pejza, 3266 Nutmeg St.. San Diego, Calif. 92104. Deadlines: Fridays. Use GMT (EST + 5 hours) in reports, one side of page, preferably typed in order of frequency and by section. Telephones: 714-282-0076 or 714-282-2184.

+++++
 Geomagnetic Indices Dec. 13-19 25 8 17 24 10 6 6

Solar activity is expected to remain low and no significant geomagnetic activity is foreseen for the week of Dec. 20-26.

Listeners' Loggings-- Latin America--looks like a big section this week..

- 540 YN.. Nicaragua, Managua noted with R. Corporacion ID way under XEWA 0240 12/18 (AMG,E) (Listed as both YNOW and YNTT. Ed)
- 540 YVOV Venezuela, Machiques, R. Perija ID on top of the channel 0930 12/18 with program, "Musica Internacional." (AMG,E)
- 540 ??? UnID weak SS noted under XEWA and CBK 0220 12/11. (JAM,C)
- 555 ??? UnID 12/14 0330-0340, very weak signal, just traces of music; looped to LA. (YNS has been reported about that time. Ed)
- 570 CMHI Cuba, Santa Clara 12/14 0345-0400, classical music, several good IDs with Cuba mentioned. Did not give call letters, though. Had some dead air time. Good level. (JET,C)
- 580 XEFI Mexico, Chihuahua, Chih., Radio Mexicana, with male announcer in SS and ranchero music, heard at 1003-1022 12/13, with poor signal with WIBW QRM. Many mentions of Chihuahua. (RNA,C)
- 590 CMW Cuba, Habana 12/14 1115-1125 in WOW null, music and man in SS; poor signal. (WOW almost 180° from CMW.) (JET,C)
- 625 ??? UnID, very poor signal, 400 Hz het on SS and McR music, 12/15 0215-0230. (TIRICA is the only one I know of here. Ed)
- 650 CM.. Cuba thought I detected a Cuban far down in the noise while checking KORL MM 12/18 about 0758. RFS, could it be CMKU at that hour? (GM,C)
- 650 YVLH Venezuela, Maracay, probably the one heard here over WSM ET with mentions of Venezuela and LA music 1018 12/11. (KDF,C)
- 650 ??? At least 2 SS stations over/under WSM 0300-0500 12/11. (JAM,C)
- 655 YSS El Salvador, San Salvador, excellent with classical music 0400-0500 12/11, 12/12. One of the easiest splits here along with 725, 834, 1035, 1425. (JAM)
- 660 XERPM Mexico, D.F. in nightly over WNBC, causing severe het at times. 0200 12/6 good with rock and no WHBC. (JAM,C)
 +Radio Juventud fair with rock, Coke ad, and crowd sounding like wild party 0815 12/18. (BP,W)
- 660 ... St. Lucia, R. St. Lucia noted fighting it out with WNBC at 2315 12/18. Looks like this new one is going to get out better than Radio Caribbean. (CMS,E)
- 660 ??? UnID SS under XERPM and WNBC 0540 12/11. Colombia? (JAM,C)
- 670 HJNX Colombia, Medellin heard with ID as "Radio Tricolor, sen las dos y doce, hora Super" and "aqui en Radio Super" with the Cuban apparently off 12/18 0711-0720. WRTH'70 has this as Medellin and Belo; which is correct? (AMG,E) (Bello is a suburb of Medellin. Most likely licensed to Bello. Ed)
- 675 TIJC Costa Rica, San Jose noted again with s/off announcements and NA 0559 12/18. (AMG,E)
- 680 ??? UnID 12/15 1000-1007, s/on in KNBR null. Cuba mentioned but that is all I could make out. (JET,C)
- 690 CMBC CubaHavana, excellent with s/on with NA and IDs given by male and female. No sign of XETRA, CBF, CBU or CJOB slop. The best Cuban in that evening. 0500 12/18. (JAM,C)
- 700 HJCX Colombia, Cali probably the one in 0230 12/11 with many mentions of Colombia through WLW. (JAM,C)
 +Radio Sutatenza in nicely with dedications to listeners 0910 12/18; gone by 0915 on sudden fade. (AMG,E)
 +Poor with WLW nulled with "R. Sutatenza" ID 1033 12/18. (BP,W)
 +Heading in and out with WLW 12/21 0901; het between WLW and this one; chimes at 0904 and many mentions of Colombia. XETRA-690 nulled, but strangely enough, no slop from them even. (FJP,W)

- 700 ??? UnID SS, very strong giving WLW and UnID EE a run for their money 0215 12/8. By 0330, giving WLW a battle. Seemed to be mostly talk. No aurora this evening. (JAM,C) (HJCX's 120 kw might be it. Ed)
- 715 HRTV Honduras, Tegucigalpa tentatively the one heard faintly with singing 12/18 1155. Only thing is, their s/on is listed for 1200. (FJP,W)
- 720 HJAN Colombia, Barranquilla presumed the one with LA music through WGN and over CMGN 0235 12/11. (JAM,C)
- 725 SRS Surinam, Paramaribo, weak carrier noted here 0400 12/7, too much CKDM and WGN slop for a change. (JAM,C)
 +Dutch talk 12/8 0140 by a male, good/fair under splatter from WGN and CKAC. (TJS,E)
 +Hindi-English-Indian music, EE ads, mentioned a dandruff hair tonic and Georgetown, 2350-2407 12/16. Good signal. (BPo,E) (Georgetown is the capital of neighboring Guyana. Ed)
- 730 HJCU Colombia, Bogota noted good in passing 0245 with Radio Melodia ID. Slight QRM from CKDM and XEX. 12/11. (JAM,C)
- 740 CMJL Cuba, Camaguey hetting CBL and CBX from around 0200 12/11. CMGN and the other Cubans weak at this time. (JAM,C)
- 750 HJDK Colombia, Medellin, heard ID that mentioned Colombia in rapid-fire SS, at 0700 12/11. (KB,C)
- 750 YNX Nicaragua, Managua dominant here most evenings with HJDK over WSB, but particularly fine signals all evening from 0200 or so 12/11. (JAM,C)
 +Heard with s/off announcements and NA 0605 12/18 under WSB S/off with SSB. Heard with "Equis, equis, equis" ID. (AMG,E)
- 760 HJAJ Colombia, Barranquilla faded up briefly with announcement, "aqui en La Voz de Barranquilla...entre las doce y diez y la cinco de la mañana" so apparently AN. Heard in WJR's null 12/18 0448. (AMG,E)
- 760 XEABC Mexico, D.F. excellent over WJR, and CMCD 0200 12/1 with "oldies but goodies" and many mentions of Radio Moderna. The most recent song was 3 years old. All the songs were in EE, 0300 12/9 all alone with no WJR. (JAM,C)
- 765 YSKL El Salvador, San Salvador heard //770 12/18. (AMG,E)
 +Probably the one 12/18 1148 with music, but faint. (FJP,W)
- 770 HJKH Colombia, Bogota, R. Tequendama in very well 12/18 0844 with rock instrumentals and ID. (FJP,W)
 +Dominated 770 while local WABC was off the air from approximately 0426 12/18 presumably due to transmitter problems. A real mess of hets here with everyone fading in for a very interesting tape. (AMG,E)
 +Strong and battling JOUB with SS pop songs 0742-0802 12/18. (BP,W)
- 770 CMKB Cuba, Las Mercedes, heard with steel drum music followed by "Radio Revolucion, Cadena Provincial de Oriente...hasta la victoria siempre, buenas noches" and into s/off with NA 12/18 0500-0502. (AMG,E)
- 770 YSKLB El Salvador, Sonsonate on top briefly 12/18 0511 with IDs as "Radio Cadena YSKL" and "la poderosa Radio Cadena YSKL, primera emisora del pais"; program coming live from a restaurant. (AMG,E)
- 770 HOL83 Panama, Chitre on top briefly 0500 12/18 with "Radio Libertad, Cadena Nacional" ID. Noted later with PSAs at 0845 with negligible QRM from HJKH. (AMG,E)
- 775 ??? UnID SS, much too weak to ID, noted 0455 12/18. No sign of carrier by 0512 so apparently s/off. (AMG,E)
- 790 XERC Mexico, D.F. likely the XE carrying an ad for a "Ron de Mexico" 12/18 0752; faded by 0800. (AMG,E)
- 800 XEROK Mexico, Cd. Juarez, Chih., ex-XELO with new rock format since 12/5. IDs as "The world's most powerful rock station," and "From the Rock of the World, XEROK, El Paso." On AN sometimes, and off by 0100 other times. (RNA,C)
 +New call and format on 12/4 after several days of publicity; calls itself world's most powerful rocker, though last time I checked there were still a few evangelists hanging around; frequent singing IDs and mentions of El Paso. (DM,W) (Some one has to pay the bills... Ed)

- 800 PJB Netherlands Antilles, Bonaire with "800 Hour from Hilversum", like a local 2330-2345 12/16. (BPo,E)
- 805 ??? UnID LA, bearing due SE, 0220-0346 MM 12/18, lotsa instrumental music, few vocals, some Christmas tunes, seems to have male and female announcers. Very tough going on account of XEROK-800. Suspect a CA, but found it was not //YSKL-765.(GM,C)
- 805 ??? Am pretty sure there is even a second LA on 805, noted Tuesday 12/19 0635-0725 in the strange silence of XELO. Much weaker than the one noted night before, and the program sounded vastly different, with tropical music and lotsa vocals. this one so weak it never could have registered while XELO was on. CouldCRM, down in Brazil, verify that 805 is not empty in SA, as WRTH indicates? (GM,C) (Could one of these be the UnID CA reported by Bill Feidt some time ago on 806a? Ed)
- 810 HJCY Colombia, Bogota bombing in 0429 12/11 with some kind of ID over daytime semi-local KCMO. (JAM,C)
+Good with CHQR nulled 0940 12/18. (BP,W)
+All alone on the channel after KGO's carrier went off, with tropical music 0924 12/18. (FJP,W)
- 810 XERSV Mexico, Cd. Obregon, Son.noted with Radio Variedades SID at LSR 0050 12/21. No sign of dominant KGO for a while. (FJP,W)
- 825 ??? UnID LA 0230 12/11 with male SS, LA music, some slop from WBAP. Poor. (RS,W) (Probably TIOS. Ed)
- 830 CMCA Cuba, Havana good over daytime semi-local WCCO AN with ID 0200 12/5. Usually under WCCO. (JAM,C)
- 830 HIJB Dominican Republic, Santo Domingo, with Jose Feliciano record followed by TC and "Radio Santo Domingo" ID. WCCO off. (MBr,C) 12/11 0728.
- 830 XEVQ Mexico, Navolato, Sin. with SS ranchero music, TC and spots 0055 12/21.(FJP)
+Heard some early evenings, most mornings with ranchero music and many IDs; 12/11 1310-1350 over JOBB (WCCO looped), taped 1343-1347; is definitely in Sinaloa, but is city of license Culiacan or Navolato? (DM,W)(Navolato, I think. Ed)
- 830 ??? UnID 12/15 1050-1103, very strong het in WCCO null, about 500 Hz above 830. (JET,C) (The Cuban? Ed)
- 834 ... British Honduras, Belize excellent ;evenings, slopping over to 830. Sometimes I listen to Belize when they play rock LPs (Santana, etc.), back to back. (JAM,C)
+Surely the one with soft instrumental music 0746 12/9, and what sounded like EE religious talk 0800. Gone by 0800. Why on so late? (BP,W)
+MoR and LA music, male EE. Regular s/off 0500-0510. (RS,W)
- 840 CMHW Cuba, Santa Clara, 12/8 0125, male announcer said "Doblove, ...Azucar"; is this their tradenark, as I've seen same reported before. MoR music with both male and female announcers, poor under WHAS. (TJS,E) (ID is "Doblove, La Frecuencia del Azucar" per RFS Cuban list. Ed)
- 840 HOL80 Panama, Panama, first definite ID on this one with lengthy SID as Radio Libertad 12/18 0928. All alone. (FJP,W)
- 850 HJKC Colombia, Bogota, as usuall, tearing up KOA 0140 12/11 and the rest of the night. (JAM,C)
- 850 TGX Guatemala, Guatemala in quite well 12/18 1142 with music, spots mentioning Guatemala. Forgot to report it, but also heard with ID as Radio Ciros a couple weeks ago. (FJP,W)
- 850 ??? UnID SS with talk by "radical" sounding man 0805 12/18 under partly looped KTAC. Maybe much wanted HJKC. (BP,W)
- 860 XEMO Mexico, Tijuana, B.C. in EE with gospel music at 0900 12/5; good signal. (RNA,C)
- 860 XE.. Mexico--XENL, XEUN, XEMO usually fighting it out in the early evening with CJBC, KONO, and KOAM not helping any. 860 is a very crowded spot these evenings, and who says 860 is a Canadian clear channel? (JAM,C)
- 870 CMDJ Cuba, Guantanamo good over WWL 0130 12/5 and through the evening. Usually heard fair under WWL. (JAM,C)

- 870 CMDJ+Probably the SS under WHCU and WWL, 12/8 0100, with SS talk and no ID heard on the hour. (TJS,E)
- 880 CMAF Cuba, Pinar del Rio very good after KRVN s/off, with many "Radio Musical Nacional" IDs, given by a female announcer. First time that phrase has been heard here. 11/23. A few weeks before, a man was heard at the same time giving a Radio Progreso ID and continuous classical music with no ID at all between 0839 and past 0930. (JAM,C)
- 880 TGJ Guatemala, Guatemala, 7th harmonic of a slightly low TGJ heard on 6159 kHz. Such high-order harmonics are rare--outside of Cuba. (GH,C)
- 885 ??? Whatever happened to the conspicuous Radio Libertad, Managua, wasn't it, that was here in 1966-1968 period? (GM,C)
- 890 HJCE Colombia, Bogota, La Voz de Bogota heard finally with typical Colombian music. TC and male ID at 0756. WLS nulled. 12/3. (MBr,C)
+Behind WLS talk show 12/18 0817. Call may have preceded slogan. Had lively Latin music, couldn't tell what kind of announcer. (Slogan was on tape, me-thnks.) Poor signals and faded out 0819; was inaudible from then on. (DGC,W)
- 900 YNRT Nicaragua, Managua, male announcer in SS, and music heard 0738-0900 12/1, with weak signal under CJVI QRM. Radio Tiempo. (RNA,C)
- 905 ??? UnID 12/6 0340-0350, SS and slow music. Fair level, but a lot of sideband splatter. (Need 2 mechanical filters--only have one.) (JET,C)
- 930 YNW Nicaragua, Managua, a new one for me. Finally KHJ's SP and my listening coincided 12/18 0901. Tropical music, interspersed with announcements in SS. ID as Radio Mundial. KHJ back on at 0953 recheck. (FJP,W)
- 1000 XEOY Mexico, D.F. with good signal over KTOK, with talk and some fast music, 0759 12/11. (KB,C)
+Perhaps the one 12/18 0100-0110 with good level and QRM from KTOK. SS music gave a good ID, but I only made out XE.. Mentioned Guadalajara several times. This was 1000, not 1010. (JET,C)
- 1010 XEHL Mexico, Guadalajara, Jal. perhaps the one in null of a het from 1012a, SS with uptempo music. Too much EE QRM to ID. 12/18 0115-0130. (JET,C)
- 1012 CM.. Cuba, looping to Cuba, pretty weak, 0914-0920, 12/13. (GM,C)
+UnID, 12/18 0133-0230, good programming (i.e., classical music), no vocals, much piano music. Deep fades every 2 minutes or so. ID was quite long, something sounded like Indiana. Signal just not up to QRM. (JET,C)
- 1030 XEQR Mexico, D.F. with LA music, many Radio Centro IDs, fair/good, fading 12/7 0823. (RS,W)
- 1035 4VEF Haiti, Cap Haitien with SS Christmas carols 2245-2300, then into EE and musical program of strings until 0200 12/17. Like a local. (BPe,E)
+Impressive signals which were rock steady 0100-0200 12/10. ID at 0115 and then back to more hymns. Local CKSB-1050 no problem nor was WHO with S9+30 or WBZ with S6. (JAM,C)
- 1040 HJAI Colombia, Barranquilla fair through WHO 0400 12/11 with mentions of Barranquilla. (JAM, C)
+With uptempo music and fast talk. This one has a new slogan now, also, but they still mention R. Tropical. 0630 12/17. (KB,C) (See last week's DXWW for clarification on Colombian slogans here. Ed)
+Female announcer in SS with Latin music at 0944-0954, with poor signal under CMKG QRM. 12/10. (RNA,C)
- 1050 XEG Mexico, Monterrey, N.L. good AN over CHUM, CJIC, CFCP, but I noticed there were quite good at 0530 with CKSB-1050 Winnipeg nulled. 12/10. (JAM,C)
- 1055 HJFZ Colombia, heard 0543-0818 12/18 with "La Voz del Centro informa la hoza" between selections; EST TCs. (AMG,E)
*La Voz del Centro very good recently. 0620-0640 SM 12/17, often heard before and after this time. I don't hear the town named, but Godwin sez it is Espinal. (GM,C)
- 1065 ??? UnID weakie here briefly 12/18 at 0320, nothing IDable; probably same station GMreported. (AMG,E)
- 1080 YVQJ Venezuela, Barcelona, "Radio Barcelona" noted again 12/18 0329 battling WTIC. Mucho ads for Christmas shoppers. Another Sser under both noted also. (AMG,E)

- 1098 ??? UnID LA noted here for first time, pretty weak, 0303-0307 12/15. (GM,C)
- 1100 HJCN Colombia, Bogota, R.Reloj, mentioning Bogota, and playing slow SS songs. At 0815 WWWE popped on OC and helped reception immensely. 12/11. (KB,C)
- 1105 ??? UnID, very weak, noted 0814 12/18; clobbered by domestic which began testing at 0815 on 1100. (AMG,E)
- 1110XELEO Mexico, Leon, Gto. s/on at 1100 11/29 with "X-E-L-E-O, Radio Cadena Nacional" and talk, followed by "Ave Maria". Lots of RCN IDs later. (MBr,C)
- 1110XERCN Mexico, D.F., s/off at 0600 12/1. No mention of "Onda 111" at this or any other time monitored. ID as "X-E-R-C-N".)MBr,CO
+Weak but clear with SS music, program, "Musica Alegre"; IDed as "R-C-N," followed by SID as "Radio Cadena Nacional" 12/18 at 0056. (AMG,E)
- 1125TIGPH Costa Rica, San Jose, Radio Capital one of the strongest splits here. 11/30 at 0230. (MBr,C)
- 1135 ??? UnID--has anyone IDed the LA here all the time 0200-0500? Seem to remember HJAC being on 1137 three years ago. (GM,C)
- 1140 XEXF Mexico, Romita, Gto., Radio Bajio s/on at 1202 11/28, over/under XEMR. (MBr)
- 1140 XEMR Mexico, Monterrey, N.L. s/on 11/28 at 1202; funny how both Mexicans s/on at exactly the same time, two minutes after the US S/cns. Nice for DXers, tho. (MBr,C)
- 1150 XEJP Mexico, D.F. probably the one here SM 12.10 with Mexican music over/under CJRC and CKOC. CKX off from 0600-1328 SM. (JAM,C)
- 1150 YVMV Venezuela, Punto Fijo on top of this regional channel with "Ondas del Caribe, La Fabulosa" 04030-0408 12/18. (AMG,E)
- 1159 CMAD Cuba, Artemisa, "Radio Artemisa" ID heard followed by abrupt s/off with NA 0855 12/18. (AMG,E)
- 1160 HJBL Colombia, Cienaga, Ondas de Cienaga Grande, heard relaying "Radio Libertad;" had some crazy type of flute music 12/18 0345-0417 and promo for "Loteria de Bolivar." (AMG,E)
- 1160 HIBG Dominican Republic, Santiago heard with s/off announcements 0335 12/18 IDing as "Radiolandia" and announcing location as "Santiago de los Caballeros." (AMG,E)
- 1160 ??? UnID SS uptempo music, over/under KSL 12/17 0605. (KB,C)
- 1180 PRE3 Brazil, Rio de Janeiro still a regular in 0700-0800 period with WHAM partly looped, and sometimes nulled. S6-9 on the needle 12/16 0723 with loop due SE. Heard often enough that I can recognize the announcer's smooth baritone now. I often hear Sao Paulo (sow powlo) mentioned, Rio's neighboring city, now the largest in SA. This station seems to be having a "season" this year; better get it before it runs through its season of reception. (GM,C)
- 1200 ??? UnID with classical music over/under WOAI. No announcements heard, 0310-0345 12/11. (JAM,C)
- 1210 HJFF Colombia, Pereira, La Voz Amiga with WCAU looped 12/18 0515-0650. At least 2 other LAs there with it part of the time, TGED before 0530, if marimbas can be translated into Guatemala. But the Cuban all-news ticker seemed to be missing, and the customary het it produces on 1210 could not be heard for the first time in years. HJFF airing typical tropical music mostly, also having some Christmas specialties, including "Little Drummer Boy" of all things! (GM,C)
- 1225 TIBB Costa Rica, San Jose? The ID heard was "BB" (BayBay) in a seductive female voice about 0432 MM 12/18. The station has been here a year or more and I knew it was Costa Rica, but never bothered to ID it until now. (GM,C)
- 1320 WUNO Puerto Rico, San Juan heard under domestic with SID as "Radio Uno" 12/18 0753. (AMG,E)
- 1330 YNB Nicaragua Esteli, confirming WRB listing of R. 15 de Septiembre, ex-1210 is my reception on 2660 kHz 12/16 0144 with "Canal 1,330" ID. Cuenca, Ecuador station previously heard here, listed with same ID. S/off with NA 0259. (GH,C)
- 1399.75x Mexico, Acaponeta, Nay. heard first time on 2798.5 this season on 12/17 XELH 2306. (GH,C)
- 1470 XESM Mexico, D.F. mentioning "La Sonora Estrella" and announcing phone for requests 12/18 0942. (AMG,E)

- 1500 XERH Mexico, D.F. good with CL's given 3 times 0503, then into news. 0504 over KSTP 12/9. (KDF,C) (CL= call letters? Ed)
- 1525TIEEAW Costa Rica, Turrialba, R. Columbia tentatively the very faint SS with music 12/18 1115. KOMA(?) s/on 1116 killed it. (FJP,W)
- 1540 ZNS1 Bahamas, Nassau 12/18 0925-1000, Christmas music with religious talk. Much ARM from KXEL OC and ET. Poor level. (JET,C)
- 1548TICCR Costa Rica, Ciudad Quesada, several IDs as "Radio Cima... Costa Rica" between usually very melodic romantic music, as well as Colombian type music 12/10, 0600-0630. Very strong. (MBr,C)
- 1560XEVIP Mexico, D.F., Radio VIP, in excellent with EE ID at 0600 12/12, then into CBS Network news, a "Discover Mexico" promo, and then to s/off at 0605. (WMB,E)
- +S/on 1157 12/17, then TC at 1158, "Westclock time check exactly 6 AM. You're always on time with Westclock." If it was exactly 6 AM there, then WWV was two minutes slow, hi. (BP,W)
- +Good with VIP Radio ID 0530 12/11. It seems that every time I tune to 1560 I hear VIP. Are they really 500 watts? Usually in stronger than XERF or XEDM. (JAM,C)(10,000/500 listed. Ed)
- 1565 HJZT Colombia, Manizales perhaps the weak SS noted briefly at 0732 12/18.(AMG,E)
- +Definitely on 3130 kHz, 12/17 as early as 2320; 0400 s/off. (GH,C)
- 1590XEVOZ Mexico, D.F. finally definite R. Voz ID 2301 12/17, giving phone number for music program; usual het from XEPT. This on 3180 kHz. (GH,C)
- 1590 ??? UnID SS in for about a minute at 0635 12/18. (AMG,E)
- 1600 ??? UnID SS heard under WUNR with WWRL off at 0638 12/18. Any possible chance for an ID were killed at 0700 when WCWC s/on with DX test. (AMG,E)
- 1130 ??? UnID SS briefly on top of a very crowded channel (WDAY, CKWX, WISN) with LA music. ID at 0258 12/13 as "musica en Republica de ...", then more music. (JAM,C)

Trans-Atlantic (Where did all the Northeast reporters disappear?)

- 1425 AFRS Greenland, Thule AFB. JO's semi-local noted with weak carrier some mornings around 0600 or so. No problem with 1420 and 1430. Should be easy for anyone in western Canada and the North Coast. (JAM,C)
- +Solid rock 12/11 0710-0735, S6. CHAR, 50 watts at Alert CFB, NWT, is the farthest northern station, not this one. (JO,C)
- 1602 BR West Germany, Munich, weak with piano selection at 0622 tune-in, announcements in GG followed by GG vocal to 0628 fade. Only possible due to WWRL rare SP on MM 12/18. (AMG,E)

Trans-Pacific

- 530 JOQG Japan, Morioka, poor audio, male JJ, good carrier 12/9 0830. (RS,W)
- 650 KYAK Alaska, Anchorage good signals 0730 12/11 with country-western music; QRM KORL nulled, UnID SS (probably XETNT). (DO,C)
- 650 KORL Hawaii, Honolulu usually in MM with weak signals. Never really strong here. 12/4 0800. (JAM,C) Maybe the EE stations 1310 12/12. WSM almost nonexistent.
- 655 ... North Korea, Pyongyang. A semi-local on 640±15-20 kHz loads the area with RF making this frequency tough. Will check with a D.D.S. and have 640 pulled. (RS,W)
- +Very high noise level prevented much of this one from getting through 12/18 MM 1051. (FJP,W)
- 700 JO.. Japanfair with EE lessons with WLW nulled 0948 12/18. (BP,W)
- 710 HLKG South Korea, Seoul good for a short while over KBTR with man and woman announcers and MoR music 1021 12/18. (BP,W)
- 725 ... North Korea, Kimchaek 1355 12/4 in KK, weak signal; noted 1250 12/8 in KK, poor. (RS,W)
- 745 HLKH South Korea, Kwangju tentatively the one heard 12/18 1150; with music and male vocal, but too faint to be sure of language. (FJP,W)
- +Good with pips similar to NHK (...-) 1200 12/11. (BP,W)
- 750 KFQD Alaska, Anchorage 12/11 0923-0933 tuneout. Steady S5 with rock, ads, jingles, news. Only Alaskan to show all AM, (JO,C)
- +Male with ID, pocr. This frequency also is tough at times, nice whe KCBS and KFMB are off. 0928 12/7. (RS,W)

- 750 JOIB Japan, Sapporo 12/11 //770. Channel clear at 1045 with EE lessons. Even translated "Jingle Bells". A fair S4. (JO,C)
- 760 KGU Hawaii, Honolulu might be the weak station with WJR nulled out 1320 12/11 Of course I wouldn't mind hearing KFMB which I haven't heard het. (JAM,C) (I'll be glad to trade you a few minutes of KFMB for a couple of Thule...Ed)
- 770 JOUB Japan, Akita 12/11 0923 S6 with EE lessons on a clear channel. NHK pips at 1000. Relog at 1045, up to S9+40, with some fades, only to S6. Relog at 1120 same thing, but some WABC skip in. (JO,C)
+Femme with ID, good. KOB nulled 1340 12/4. NOTed at 1240 12/8, femme with ID, //830. (RS,W)
- 830 JOBB Japan, Osaka, male JJ, femme with ID, IS, good //770. Not much from WCCO 1140 12/8. XEVQ here most mornings after 1245. (RS,W)
Easily logged after reading Dr. Murley's interesting article; monitored for 3 days to determine how late in the morning it could be heard; 12/10, all alone 1400 with strong signal, fady 1500 with slight XEVQ QRM, gone by 1508; 12/11 under XEVQ until 1351, then way over for clear copy of YL announcer, on the hour pips, male announcer; 12/12 audible 1400 with heavy XEVQ QRM, gone ;by 1415. (DM,W)
- 844 VSZL Gilbert and Ellice Islands, Tarawa with familiar gal talking 12/18 0923. (FJP,W)
- 877 ... North Korea, Wonsan kind of faint 12/18 0950 with man in KK. (FJP,W)
+In KK 1330 12/4, poor with noise; noted 12/8 1215 in JJ, good. 12/9 at 0715 in KK, poor, carrier also noted on 875 12/8. (RS,W)
- 890 JOHK Japan, Sendai with male JJ fair 1150 12/8. WLS nulled. Noted also 12/13 at 1350. (RS,W)
- 890 HLKB South Korea, Pusan, 1335 12/8 with male KK, flute music. Not much WLS. Noted 12/13 at 1340, logged KBYE with ID and "Back to the Bible" at 1330-1335 12/13. (RS,W)
- 895 ??? UNID carrier, poor audio 1405 12/13. Gone by 1432. Looping 300°. Brunei? Will try this one again. (RS,W)
- 967 HLSA South Korea, Seoul, femme KK, good, noted 1310 12/8. After 1400, amid the semi-locals, on top at times. (RS,W)
+A new one for me; Man in KK 12/18 0955; faded across the hour (naturally), but think I heard one chime. (FJP,W)
- 997 ??? UnID carrier 1415 12/11, no audio. Indonesia maybe. Will try this one again. (RS,W)
- 1007 ... North Korea, Hamhung, fair with man in KK 1003 12/18. North Koreans were not up to their usual strength this MM. (FJP,W)
- 1030 VQO Solomon Islands, Honiara 12/11 0830, Polynesian music and bits of XEQR. Poor signal and again no ID, of course. (JO,C)
- 1040 ... China, Peking in JJ, like a local 1410 12/11. (RS,W)
- 1130 KLEI Hawaii, Kailua good over/under CKWX with soft McR and "Kaylay" IDs 0820-0901 12/18. (BP,W)
- 1140 VOA Philippines, Poro, sked for s/on 1200; at 1157 12/18, JJ sounding music, followed by snatches of "Rudolph" and "Jingle Bells" (Pretty certain this was not VOA); ID at 1159 for other station; then Yankee Doodle IS at 1200, followed by CC talk by man and woman. Somebody a little off frequency here, with a low rumble. (FJP,W)
- 1210 JOOR Japan, Osaka, 1355 12/11, male and female JJ, regular on the hour fade, back at 1403 with male in JJ. (RS,W)
- 1260 JOIR Japan, Sendai a surprise with play in JJ under KYA 1052 12/18. Seemed to have music an hour or so later, including Michael Jackson singing "Ben". (BP,W)
- 1310 JOUF Japan, Osaka tentative 12/18 0902 with male JJ announcer reporting news. Fair signal. (CAB,HI)
- 1420 ZAP Western Samoa, Apia (or KCCN) 12/11 0835-0850 poor with Polynesian music, Could have been both. No Hawaiians noted here all AM. (JO,C)
- 1435 ??? UnID carrier 12/18 1118. I'd like to think it was the Cambodian tentatively reported by AWP. Too late for Saba or Kelkboom. (FJP,W)

- 1440 JOWF Japan, Sapporo tentative 12/18 0910 with male JJ talk. Much QRN, fair reception. (CAB,HI)
- 1529 ... U.S.S.R., Vladivostok. I am convinced this was the station heard here at 2203-2210 12/11, the last of 6 days of phenomenal trans-polar conditions. I base my conclusion on the following: 1) Pyongyang was audible on 2850 kHz at 2130; 2) the format, what little I heard of it, would match Moscow's and not Vatican's; and 3) I don't think Vatican is on this late. A het was heard here at 2205 12/10 with Pyongyang also audible on 2850. (CMS,E)
- 1550 AFWT Taiwan, Taipei 12/17 1618. This one back after a long absence. It threw me off at first with ID, "KSPFX, San Francisco" followed by continuous rock music; good reception. (CAB,HI)
- 1580 ... Thailand, Ban Phachi, switched over quickly after getting VOA-1140, to hear one faint Yankee Doodle strain 1203 12/18. Mixing spur from XEPRS and KOGO had me fooled earlier in the evening. (FJP,W)
- 844 VSZ1 G&E, 12/11 0807-0918 tuneout. A steady S9 except for a 40 second fade to S3. YL talked 0807-0816. Songs with man and YL to 0828. Man and songs to 0859 ID. IS followed by a Polynesian chorus. More talk and songs, some EE like Roy Orbison. (JO,C)

Verifications

- 870 CMDN Cuba, LV de Cuba send SS v/1 in 13 months. (BP,W)
- 1538 ... Senegal, Dakar, prompt v/q showing stringed instruments; ignored request to specify 1538, but is accurate to date and time. The 1304 outlet is now listed with 4 kw, dow from 8 kw as listed in 1969 verie. (AMG,E)

Reporters

- AMG Angel Garcia, Flushing, N.Y. (30), HQ-180
- BP Bruce Portzer, Seattle, Wash. (13), NC-120 or SX-96, 4' DCL
- BPo Burt Podall, Jamaica, N.Y. (3) SPR4, SMI
- CAB Credo Bisquera, Qaianae, Hawaii, ARB, Sanserino loop (3)
- CMS C.M. Stanbury II, Crystal Beach, Ont. (2)
- DGC Dave Christensen, Seattle, Wash. (1) SX-130, SMI
- DM Dave Martin, Morro Bay, Calif. (3), ARB, IRCA loop
- DO Dave Oliphant, MedicineHat, Alta. (1) Sony TFM-1000WB, SMI
- FJP Your editor, (20), HQ-180A, Sanserini loop
- GH Glenn Hanser, Von Ormy, Texas (4) HQ-160, 560' LW
- GM Gene Martin, Denver, Colo. (11) HQ-180
- JAM Joe Markewicz, Winnipeg, Manitoba, (33)
- JET John Tull, Kansas City, Mo. (11) NC173, 36" loop
- JO John Oldfield, Edmonton, Alta. (7)
- KB Keith Birlingmair, Rockton, Ill. (5)
- KDF Karl Forth, Villa Park, Ill. (2) HQ-160. 79' LW
- MBr Michel Breger, Austin, Tex., HQ-180A, modified Sanserino loop (8)
- RNA Richard Noel Allen, Billings, Okla. (5) Pioneer SX-300T, 2' altazimuth loop
- RS Ruff Sanserini, Huntington Beach, Calif. (17), ARB, MN26K, cheap homemade loop
- TJS Tim Saltmarsh, Penacook, N.H. (3) NC-183, IRCA spiral loop, 400' LW
- WMB William Blazek, Hillcrest Heights, Md. (1) Hallicrafters S-85, 2' spiral loop

Argentina Recent news stories indicate elections will be held March 11. Make your plans now to log loads of new Argentines on late with election returns, hi. (Bruce Portzer)

Okinawa--Gene Martin

It seems to me that the milli n watt station on 1178 should be heard in mid-winter as far east as Michigan, Indiana, Tennessee, and down to Texas. What I suspect is that a good many fine DXers with good equipment don't even try for it at the right time, or perhaps they have been oversold on the difficulties. There is only one thirty minute period out of twenty-four hours when it worth trying for, 1330-1400 GMT. VOA beams north-east to Korea then, and that million directional watts curves around the earth, arriving in the Central U.S. from the northwest. At 1330, WHAM isn't really in the picture as far west as Indiana, and if KOFI is, it probably won't be strong enough to

block Okinawa. In fact, you should look for a signal perhaps as potent as KOFI. 1180 in the midlands at that hour is commanded by WLDS, rather than WHAM, but WLDS could be nulled to nothing very favorably in the Chicago and Michigan area and any place southwest of Jacksonville. Latest sunrises of the year come the first four or five days of January, and even on January 21, the dawn comes only five minutes earlier. St. Louis sunrise on January 3 is 1323, Cincinnati is 1305, Chicago 1319, Minneapolis 1341, Memphis 1310, Dallas 1333, Omaha 1349. So it is a good try, fellows, maybe you'll like it.

73 1973 has been chosen by some of the shortwave clubs as World DX Friendship Year. This is a good opportunity for DXers everywhere to show their unity by cooperating and trying to make the hobby of DXing better known and understood.

Station addresses: In answer to Larry Cowles' question of a couple issues ago, XEHN-1130 was only a construction permit when the latest logs were published. All I have is the name, Javier Manzanera Contreras, of the owner. Nogales is not that big a town; you might get it to him just by addressing your report to him, in Nogales, Sonora. XEJPV-1560 is in Ciudad Juarez, not Zaragoza. Chih. I don't have any street or box address for this one.

Request for Help--Allen Denny

As a fairly new member of IRCA I have run across a problem that I am not able to correct myself. Perhaps you may be able to assist me and many other members who are handicapped by the fact that we do not speak or understand foreign languages. Do you know of any members who speak Spanish and who would be willing to translate the contents of a tape, or tapes for a fee? I think that someone would be offering a service which members could utilize. Presently if I tape a foreign station I must either wait for an English program or send the tape to the station for the confirmation. As you know, most of the Latin and South American nations do not have any English programs. I can pick up the Dominican Republic almost every evening, but the only part I can determine is the frequency and that it is Santo Domingo. Perhaps you might want to convey this problem in your column, and get the feelings and opinions of some of the members.

(Editor's comments-- In following with the earlier item about 1973, this might be a good way for some of the more gifted members of the club to help newer members. Do we have any volunteers to form a committee to listen to other DXers tapes, ID them if necessary, and give the DXer a general idea of what the tape was about? If there were several who would volunteer, I could list their names each issue, or at least periodically, so that members would know to whom they could send their tapes for help. I would think that no fee would be called for; however, I would think that the DXer seeking help should pay for postage both ways on the tape and correspondence.)

IRCA Foreign Log

"After hearing so many glowing reviews of the Foreign Log, I decided I'd invest in one, especially since I hope to do a lot more foreign DX for the rest of this season." (Karl Forth)

"I was very happy to hear a second edition of the IRCA Foreign Log will be put out. Maybe you should urge DXers to send in more reports with this in mind. I'll do my part in hopefully helping others with my DXWW reports. If it helps one DXer, it's worth it." (Randy Minnehan)

You can get your copy of the IRCA Foreign Log by sending \$2.75 in check or money order (no cash please) made out to IRCA to Father Jack Pjeza, 3266 Nutmeg St., San Diego, Calif. 92104. Copies are going fast; we soon will have to have another batch bound.

CROP About 55 questionnaires have been received so far. Opinion on whether to go offset or not are split almost down the middle. One point which many have made against offset, or at least the magazine format, is that it doesn't allow the possibility of filing separate sections or lists. By a two to one majority, people would be willing to pay more for the bulletin if necessary, with \$2 more about the average amount suggested. More details and analysis later. Get your questionnaire back as soon as possible.

December 30, 1972

WESTERN DX FORUM

Page 34

Editor: Carol Schweiger- 41 Lawndale Road- Stoneham, MA 02180

Deadline: Wednesday, 10 days before publication. New Editor: Bill Lipis

Gregg Allinson- 407 40th Ave.- San Francisco, CA 94121

Howdy. DX here is really slowing down as XMAS means longer working hours. Totals are rising though since wx here (in 20's and 30's) has been great. Now stand at 247 hrd/71 vrfd. Glad to see some discussion in the blue pages. I, for once, agree with Dr. Wood's stand on FBIS. Don't feel DXM should be dispensed for next to nothing to such agencies, as our bulletin is produced with a lot of hard work and long hours. Also, even though I live in Bay Area, I don't feel AH is right about the '73 convention being held in San Jose. Memembers should be fair to EC's this year. Next year, '74, is San Jose's turn. Anyone wanting a few of my excess SC's, drop a SASE by and I'll send some your way. I welcome all SC'ers. Hope XMAS & New Years MM gives good DX. Peace.

Dave Christensen- 3434 39th W- Seattle, WA 98199

Hello. Thought I'd add my view on two current controversies in the club. first, the convention; although I favor SJ (for my own selfish reasons like distance) I have no doubt that Hammond will win. I'd like to be the first to wish them a happy convention. I can be so sure because many IRCA members have developed a disease I thought only belonged to politicians, conveniently losing their memory. Remeber 1970 when it was San Diego & Toledo? The second major arguement for Toledo (outside of tradition dictates changing coasts) was that the NRC convention was going to be on the WC, and why should one coast have both convetions, depriving the other coast of any that year. Now, the shoe is on the other foot and suddenly those who were saying the NRC convention sit had everything to do with IRCA's; say its irrelevant. Secondly, if the FBIS/CIA wants to get DXWW let them pay the regular membership fee not just enough for DXWW (by the way, what happened to their liason officer, who was a member, can't he pass the info along?).

Carol Schweiger- 41 Lawndale Road- Stoneham, MA 02180

Hope everyone has had a very nice Christmas and New Year. Only the above reports received this time; I'd still appreciate more people to write in. I've been informed that in the near future, Bill Lipis will be taking over the WDXF. I wish you very good luck, Bill. That's it for now (and by the way, who says the Celtics aren't the best???) 73's.

(Bill Lipis takes over editorship of WDXF eff. imm. Deadline will be Saturdays until announced otherwise. Carol will have a section for the 1/6 issue but future reports will probably be forwarded to Bill. -DEE)

CPC Write-ups WCPK, KLEB & WLNG date is being looked into by Ernie Cooper who will advise as soon as he learns anything. -DX NEWS

WGNG was actually arranged by Gene Vonderembse for NNRC, says Tom Sundstrom; it is apparently also arranged by Sheldon Swartz for IRCA. Reports to CE.

KDDA reports to: Mr. Alan W. Eastham, GM, KDDA, P. O. Box 215, Dumas, AR 71639.

WJDX will use cycle tone and frequent IDs; both lkw and 5kw ND will be used; reports to: Mr. Floyd Kinard, CE, WJDX, P. O. Box 2171, Jackson, MS 39205. -NNRC/Gene V.

WBTX will feature a mixture of Top 40 instrumental, C&W, Big Band, and possibly polkas. Cycle tone of 400, 1000, and 2500 Hz plus possible code IDs as well as voice IDs, weather reports, and, maybe, phone calls on the air, will make this a very distinctive program. Reports to: Mr. Keith Vollnogle, CE, WBTX, P. O. Box 337, Broadway, VA 22815. -NRC/Wes Boyd

KTGO has definitely been re-sked for Mon. Jan. 29, 0300-0330 EST; cycle tone and march music will be used and reports should be sent to: Charlene Power, KTGO, P. O. Box 456, Tioga, ND 58852. -NRC/Skip Dabelstein

WXCL will use popular C&W mx; reports to: Mr. Bill Bro, Engineering Dept., WXCL, 3641 Meadowbrook Rd., Peoria, IL 61604. -NNRC/Gene V.

Other CPC program write-ups will appear in future issues.