



DX MONITOR

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DECEMBER 7, 1968

RIVERSIDE, CALIFORNIA

VOLUME SIX, NUMBER 11

DX CALENDAR

Sun. Dec.	8	0500-0600 EST	WSEW	Selinsgrove, Pennsylvania	1240	250w	NRC/PoP
Sun.	15	0600-0630 EST	WREO	Ashtabula, Ohio	970	1kw	NRC
Mon.	16	0130-0200 EST	WCSJ	Morris, Illinois	1550	250w	NNRC/TEST
Mon.	23	0115-0145 EST	WPNO	Auburn, Maine	1530	1kw	NNRC/NRC/IRCA
		0300-0500 EST	WACE	Chicopee, Massachusetts	730	5kw	NNRC/TEST
Thu. Jan.	9	0100-0130 EST	WFBR	Baltimore, Maryland	1300	5kw	NNRC

WSEW will be all night with Proof of Performance, using mostly TT beginning about 0010 12/8. For the period of the NRC dedicated portion, 0500-0600, band music, polkas, Spike Jones and sound effects will be used for ID purposes. WSEW went on the air 1/16/67 and is 250 U-1; application is in for 1000/250 U-1. Reports go to: Mr. Hugh J. Williams, Chief Engineer, Radio Station WSEW, B & K Broadcasting Co., P. O. Box 1240, Selinsgrove, Pennsylvania 17870. Mr. Williams graduates from Penn State on 12/6/68! Info from: --NRC/Ernie Cooper

WREO is a change in time and date from that originally published last week. The following from Len Kruse: "WREO will DX for the NRC for 30 min's; the freq. will be clear of several all-night stns on the 970 spot, namely WWSW, WFLA & WJRZ. However, there may be some interference from several other all-nighters still on the freq. in the midwest or west; but it was decided this time of the week would be the best for the majority of BCB DXers. A letter has been sent to KAKC, Tulsa, asking them to standby for the WREO DX Program, but we are uncertain if they'll agree to our request. It was in July 1960 that WICA changed call letters to WREO, and yet many, many DXers have yet to log WREO. Here's your golden opportunity! WREO-FM (97.1 mc/s) with 53,000 watts will duplicate the program for FM DXers. The DX will consist of musical selections with frequent stn IDs. Address rpts to: Mr. Robert E. Williams, Engineer, Radio Station WREO, P. O. Box 738, Ashtabula, Ohio 44004." Information on date change was air mailed in by Len just in time for the last issue so many avoided listening at the old times/date. --NRC/Len Kruse

WCSJ reports to: Mr. Gary Clodi, Radio Stn WCSJ, P.O. Box 167, Morris, Ill. --NNRC

WPNO will run equipment test w/tones & music. Reports to: Mr. Jeff Wade, WPNO Radio, 88 Court St., Auburn, Maine 04210. Test is for all clubs. --Paul Kilroy

WACE reports to: Mr. Richard R. Ferry Jr., General Manager, Radio Station WACE, Box 2007, Springfield, Massachusetts. Arranged by: --NNRC

WFBR reports to: Mr. William Hoos, Chief Engineer, Radio Station WFBR, Baltimore, Maryland. Arranged by: --NNRC

CPCers are reminded of the importance of sending information promptly to Ernest R. Cooper, 438 East 21st Street, Brooklyn, NY 11226 for publication in DX NEWS. This information was formerly handled by the Boston HQ address but Ernie now types the front page. Ernie's deadline is Monday before Saturday date of issue. -DEE

Guest Publisher Don Jones, Riverside DXer, made possible the early publication and mailing of this issue. When writing pub. hq in R'side, please mention the day you receive your bulletins so any necessary adjustments can be made. Thanks. -DEE

Editor: Marc DeLorenzo - 35 Sylvan Drive - Hyannis, Mass. 02601

Next Deadline: Friday December 13, 1968 for both DXR and DX FORUM.

- 560 WFIL Pennsylvania, Philadelphia fair atop channel 0145, 11/21. (WW)
- 590 WVLK Kentucky, Lexington hrd 11/23 0115 on AN Show. IDs as Mighty 590. One of my old locals! (JKC) WELCOME, JERRY! -MD
- 600 KZIX Colorado, Fort Collins fair w/WMT, KSJB 1841, 11/24. (RB)
- KROD Texas, El Paso good o/Cuban w/MoR 0116, 11/25. IDs as 'KROD Radio Sixty." (RB)
- WVAR West Virginia, Richwood hrd @ 0655, 11/26. (FDP)
- WMT Iowa, Cedar Rapids good atop channel 0300, 11/16. (WJFW)
- 620 CKCK Saskatchewan, Saskatoon alone w/good sigs 0245, 11/16. (WJFW)
- 630 KMAC Texas, San Antonio fair o/u KXOK w/MoR mx 1812, 11/23. (RB)
- 640 KFI California, Los Angeles 11/23 @ 0130 w/C&W mx weakly u/CMQ. bleh! (JKC)
- WNAD Oklahoma, Norman excellent @ 1832 s/off, 11/23. (RB)
- 650 KORL Hawaii, Honolulu weak but clear 11/25 @ 0330 w/MoR. IDs every 3 records. (JKC)
- 680 WCTT Kentucky, Corbin for a report thru WRKO & two others 11/15 @ 1815. (JF)
- KBAT Texas, San Antonio @ 0100 s/off, 11/25; very good signal. (JKC)
- KNBR California, San Francisco dominant (if you null WPTF & their HI AN) w/mx & wx 0105, 11/25. (JKC)
- CKGB Ontario, Timmins sked per verie is: 0558-0010 weekdays, 0558-0110 Sat., 0658-0010 Sun. (RB)
- 710 KEEL Louisiana, Shreveport finally hrd w/nx 1806, 11/23. (RB)
- 730 CKAC Quebec, Montreal weak but clear signal 11/25, 0120. (JKC)
- CKLG British Columbia, Vancouver way o/CKAC w/rr 0135, 11/25. (RB)
- CKDM Manitoba, Dauphin o/u CKAC 0238, 11/16. (WJFW)
- 740 KCBS California, San Francisco hrd 11/25 @ 0130 w/very nice sig almost even w/Castro. KRMG off the air w/tt at times. First time for this one in four years. (JKC)
- KPBM New Mexico, Carlsbad s/off w/SSB u/CBL 1900, 11/23. (RB)
- 750 KSEO Oklahoma, Durant all alone w/C&W mx 0855, 11/23. (RB)
- 790 WSIG Virginia, Mt. Jackson hrd w/tt 0157-0200 on 11/21, fair. (JLB)
- 810 KCMO Missouri, Kansas City 11/23 @ 0105 w/nx, then mx; even w/WGY/KAFF
- New Mexico, Santa Fe gud o/WGY 1853, 11/22. (RB) // (JKC)
- 850 WJW Ohio, Cleveland hrd from 0506-0530, 11/23 w/farm show; CRM from KOA & needed WHDH. (KC)
- 900 WPRO Ohio, Fremont hrd almost daily w/weak to fair sigs. (JLB)
- 910 KLCN Arkansas, Blytheville s/off 1802 on 11/15, an easy EC catch, WGBI
- Pennsylvania, Scranton s/off 0159 w/SSB 11/16. (WJFW) (JF)/
- KPHO Arizona, Phoenix hrd 11/25 @ 0245 w/MoR & talk. Supposedly silent at this time. Good signal even w/WORD. (JKC)
- WORD South Carolina, Spartanburg fair on top 0200, 11/16; AN. (WJFW)
- 920 CKCY Onatrio, Sault Ste. Marie; a real pest of late; even comes in 30 minutes before local sunset. (JF)
- KARK Arkansas, Little Rock on AN Show 0055, 11/24. (JKC)
- KOLO Nevada, Reno 11/25 @ 0250-0255 s/off w/no SSB. Nx just before s/off. (JKC)
- WJAR Rhode Island, Providence fair on top 0200, 11/16. (WJFW)
- KDHL Minnesota, Faribault in the clear @ 2055, 11/20. (FDP)
- WOKY Wisconsin, Milwaukee o/WBAA @ 1755, 11/20. (FDP) All alone after 0300, 11/25; AN show w/Top 40 mx. Asking for distant phone calls. (JKC)
- 930 WPAT New Jersey, Paterson hrd w/MoR mx 0403-0430, 11/23 u/WBEN test. (KC) Fair u/OC 0137, 11/17. (WJFW)
- KKIN Minnesota, Aitkin o/WKY 11/20 1747 s/off. (RB)
- KITE Texas, San Antonio HI show 11/24, 0055. "Dear Dolly, Please get off the air"; signed DXer. (JKC)
- WKY Oklahoma, Oklahoma City on AN show 11/24 0135; good sig. (JKC)

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EAST COAST DX ROUNDUP

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930 WSOC North Carolina, Charlotte Hrd on Et 0135 til past 0200 11/24
40 DB/s-9 sigs, mostly OC. (JKC)
940 KIXZ Texas, Amarillo Hrd on RS 11/20 @ 0127. IRCA F/C List shows
them for r/c at this time, so perhaps on daytime power
and pattern. (JF)
WIDG Michigan, St. Ignace s/off 1714 11/22, almost in clear (JF)
CJGX Saskatchewan, Yorkton Gud sigs 0202 11/16 into wx-cast. (WJFW)
950 WSPA South Carolina, Spartanburg Hrd 11/19 0242 o/WWJ (KL)
KIMN Colorado, Denver Hrd w/very weak ID 0245 11/25 (MD)
960 ???? Louisiana, s/off 1815 11/23 Did not sound like KROF, any
other Louisiana stations on 960?? (FDP) NRC Log says: No.-MD
970 WERH Alabama, Hamilton poor w/C&W mx thru WAVE 0755, 11/24 (RB)
980 WRC District of Columbia, Washington Loud atop 11/16 0305 (WJFW)
990 WCRM Michigan, Clare Hrd for only 2nd time in 3 years on 11/19
w/C&W mx. (JLB)
1000 WVOV Alabama, Huntsville s/off 1744 on 11/15 (JF)
KTOK Oklahoma, Oklahoma City Over WCFL 11/24 at 0155 w/AN show.
(JKC)
1020 KSWs New Mexico, Roswell Way under KGBS 11/25 0030, not enuf for
report (JKC)
1030 KTWO Wyoming, Casper All alone w/MoR mx 1837 11/20 (RB). A nightly
feature nearly u/WBZ, XEQR 11/23 0035 first time w/much talk
and music; weak but steady sig, report out. (JKC)
1040 KHVH Hawaii, Honolulu 11/17 @ 0200. Report out and verified. Wk
mixed w/PRG 2 and Unidentified rr?? (JKC)
1050 WHN New York, New York Very strong 1737-1800 11/25 topping
CHUM/CJIC just after WPAG s/off. (MR)
CKSB Manitoba, Ste. Boniface hrd. s/off 0124 11/16, strong w/
Oh Canada in FF (MR)
1070 CBA New Brunswick, Sackville Hrd. w/ET TT/MoR mx 0451-0530,
11/24. Slight KYW QRM. (KC)
1100 WKYC Ohio, Cleveland hrd. w/rr 0400-0430, then relig. pgm., SM
11/24 (KC)
1110 WJML Michigan, Petoskey In for easy log 11/16 @ 1613, rather
early for skip (JF). Certainly is-MD
WMBI Illinois, Chicago Logged w/Relig. pgm. 11/22 1646, also
rather early (JF)
1120 KPNW Oregon, Eugene Right thru KMOX w/nx 0002 on 11/25. (RB)
1150 KGMC Colorado, Englewood poor but alone w/ s/off 1843 11/19 (RB)
1240 WGVA New York, Geneva Hrd 11/22 0704, mucho QRM f/WNIA (KL)
WRTA Pennsylvania, Altoona Hrd for short period w/fair sig,
11/23. (KC) What time, Ken?-MD. Mostly o/WSNY/WSEW w/ET-mx/
TT; hrd 0158-0209 11/21 (WJFW)
WJTN New York, Jamestown poor o/u others 0040 SM 11/17. (WJFW)
WROV Virginia, Roanoke poor sigs w/ID 0147 11/17 (WJFW)
WINN Kentucky, Louisville poor atop 0131 MM 11/18 (WJFW).
Strong 0432-0444 11/23 w/mam offer: Had WJIM looped. (MR)
WTAX Indiana, Springfield Weak w/WJIM: CBS nx, MoR mx 1807-1818
11/20 (MR)
WBAX Pennsylvania, Wilkes-Barre Don't try to ID this station by
the format on AN-it's always changing. It's been C&W, MoR,
conversation, and polka requests during the past year. The
latter is their regular daytime format. (JF)
1270 WHBF Illinois, Rock Island hrd. 11/20 1833. No sign of WXYZ. (KL)
KTFI Idaho, Twin Falls Excellent o/KFJZ w/wx 0209 11/25 (RB)
1280 WADO New York, New York Excellent signal 11/25 s/on 0500 (MR)
S/off w/orch. SSB 0058 o/another SSB. 11/18 (WJFW)
1290 WIRL Illinois, Peoria Weakly on AN Show 11/25 at 0210 (JKC)
CJOE Ontario, London Loud and clear w/HI o/WICE 0316-0331 ID,
11/25 (MD)

1300 KCNW Oklahoma, Tulsa fair w/WERE on DX 0315 11/25 (RB)
 WERE Ohio, Cleveland fair o/u others 0150 SM 11/17 (WJFW)

1310 KFLA Kansas, Scott City fair o/u WIBA w/wx 0925 11/23. (RB)
 CKOY Ontario, Ottawa hrd @ 1800 11/25 w/WIFE nulled (FDP)

1340 WMON West Virginia, Montgomery hrd @ 1740 11/24 well o/QRM (FDP)

1350 WXCL Illinois, Peoria 11/25 0243-0255 during r/c TT. Progressively
 stronger u/WSLR. (MR). Weak u/WSLR 0252 11/25 (MD)
 CHOV Ontario, Pembroke s/off fair w/orch. 0201 SM 11/17 (WJW)

1360 WKOP New York, Binghamton Hrd 11/20 2003 w/ C&W mx. (KL)
 WCHL North Carolina, Chapel Hill still on R/S 0106, 11/20; so full-
 time, maybe AN. (JF)

KWBA Texas, Baytown, TT w/code IDs 11/20 from. 0115-0125, 95% sure
 it was KWBA but fierce WKAT/WCHL/KRYS QRM made absolute ID
 Impossible. Will count as KWBA unless station advises other-
 wise, hi. (JF)

1370 WCOA Florida, Pensacola weak ID way u/WSPD 11/18 @ 0430, looking
 for WWAM. (JF)
 WDEA Maine, Ellsworth on top @ 0100 s/off, 11/25. (MD)

1380 KWK Missouri, St. Louis strong 1824 11/19 way o/WPHM/WKJR. (JLB)
 WMLP Pennsylvania, Milton hrd 11/21 0629 w/rr covered by CKPC
 @ 0645. (KL)

CKLC Ontario, Kingston 11/25 0523-0535 strong w/Mx & nx. (MR)
 KDXE Arkansas, Little Rock 11/25 0522 hrd "here in Little Rock"
 poor u/CKLC.

WPHM Michigan, Port Huron 100% copy on Dx, 0400 11/25. (RB) Hrd
 o/u WBNX on NRC DX 0406-0410, 11/25. (MD)

WAMS Delaware, Wilmington hrd on r/c-tt 0430-0440, 11/25 u/WBNX.
 F/C list says 0005-0030 in November. (MD)

1400 WICK Pennsylvania, Scranton HI-AN-7 per verie. (JF)
 WRJN Wisconsin, Racine hrd o/QRM @ 1825, 11/20. (FDP)

1410 WOTT New York, Watertown s/off 1645, 11/16. (JF)
 WGRD Michigan, Grand Rapids s/off 1745, 11/19. WING fair. (JLB)

1420 WOC Iowa, Davenport hrd 11/20 @ 1930 w/ID o/WHK. (KL)

1430 WFOB Ohio, Fostoria hrd w/Sports 1751, 11/19. (JLB)

1440 WHHH Ohio, Warren @ 2110, 11/23. (FDP)

1450 WPAM Pennsylvania, Pottsville thru semi-local WCTC w/nx 1701,
 11/14. (JF)

WQSN South Carolina, Charleston way atop channel 0045, 11/26. (JC)

1460 KSO Iowa, Des Moines hrd 11/19 1813 w/mx. (JLB)
 WPNX Alabama, Phenix City 11/24 0120 w/ads for Columbus, Ga. (across
 the river) a real pest here. (JKC) (Amen-MD)

KYSN Colorado, Colorado Springs @ 0145-0200 s/off, 11/25 w/Top
 40 mx. Beautiful signal for 500 watts. (JKC)

KIMA Washington, Yakima left on top 11/25 after KYSN s/off. Mx,
 then Nx & s/off @ 0205, no SSB. (JKC)

1470 KWVY Iowa, Waverly good o/WMBD 1745 s/off SSB, 11/14. (RB)

1480 WADR New York, Remsen hrd 11/22 s/on-ssb 0700. (KL)

1490 WOLF New York, Syracuse overpowering signal 11/24 0224-0233. (MR)
 KRIB Iowa, Mason City hrd @ 2000 11/20 for my first "K" grave-
 yarder. (FDP)

1510 CJRS Quebec, Sherbrooke 11/25 @ 0225 on AN show while looking
 for more Californians. (JKC)

1520 WNMT Georgia, Garden City s/off 1728, 11/14. (JF)

1530 KSMM Minnesota, Shakope o/WCKY w/market rpts @ 1720, 11/22. (RB)
 KNBI Kansas, Norton fair w/WCKY w/rr 1820, 11/20. (RB)

1550 WKBA Virginia, Vinton hrd from 0240-0333 w/ET-C&W mx, 11/23. (KC)
 WMOO Alabama, Mobile briefly @ 1745, 11/13. (JF)

1560 ???? TT hrd from 0013-0042, 11/22. (JLB) WQXR often tt's after s/of
 WDXR Kentucky, Paducah 11/23 0007 w/nx. (KL)
 WTNS Ohio, Coshocton hrd well on 11/19 0630 o/uWQXR. (KL)

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EAST COAST DX ROUNDUP

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1570 WTOW Maryland, Towson hrd 11/19 0646 s/on; good til 0659 s/on of
 WQTW. (KL) Hrd 0635, 11/19. (FDP)

WQTW Pennsylvania, Latrobe hrd 11/19 @ 0659 s/on. (KL)

WFLR New York, Dundee hrd 11/20 0701. s/on & nx. (KL)

1580 ???? TT from 0045-0050, 11/22.... then fell asleep! (JLB) ...zzzz

WPGC Maryland, Morningside hrd 11/21 0652 w/good signal til 0700
 s/on of WEND. (KL)

This week's crew:

FDP Fred D. Precht1 - 6128 Glade Ave. - Cincinnati, Ohio 45230
 rx: Zenith Trans-Oceanic, R-1000-1

WJFW William J.F. Wilson - c/o J.W. Brubacher - R.R.#2 - Waterloo, Ont.
 CANADA rx: Knight Kit R-100A Ant: indoor short-wire

JKC Jerry K. Conrad - P.O. Box 952 - Haines City, Fla. 33844 rx: HRO-50T

MR Mark Robinet - 357 McKat Ave. - Windsor 11, Ontario, CANADA

RB Russ Brown - 4100 Lake Shore Drive - St. Joseph, Michigan 49085
 rx: Hallicrafters Sx-122

JLB Jeffrey Lewis Brower - 1024 Waters Edge, Apt. 410 - East Lansing,
 Michigan 48823 rx: HRO 500

JF Joseph Fela, Jr. - 167 Goodwin Ave., - Newark, N.J. 07112 rx: SX-100

KL Ken Lyon - 5155 S. Newstead Ave. - Akron, N.Y. 14001

KC Kenneth Cousineau, Jr. - 53 Buonomo St. - Rochester, N.Y. 14621

MD Your Editor rx: HQ-129-X

EAST COAST DX FORUM

Mark Robinet - 357 McKay Ave. - Windsor 11, Ontario - CANADA

Hi Gang! I've had a couple of good MM's these past few weeks. Last week I had two new states come in: Wyoming (KWYO-1410 for a Sept. 16 r/c rpt) and South Carolina (WCSC-1390 after a 3 day wait.) A couple of weeks before that WERA-1590 500w-d became my first New Jersey. Totals are now: states 40/38; provinces: 8/6; heard 447/221 verified. I am waiting for Delaware (WDOV-1410) and Oregon (KOIN-970) to answer. Anyone know about their policies? By the way, I sent out reports to 6 different stations since January '67 to October '68 in South Carolina, 4 of them definite, and WCSC answered in 3 days. DEE: Hope your Hong Kong Flu isn't too bad. My classmates use it as another name for the "blue flu" (in other words, skipping out of classes for a day). Just got my NRC Log and I'm impressed. I plan to buy one of the IRCA discount logs--probably the WRTH. To WJW and MW: I'll be answering your letters soon: been too busy editing a school newspaper. Best of luck to Marc DeLorenzo (Thanks, Mark, hi! -MD) and Father Jack---let's support 'em IRCans! Concerning Father Jack's request: I'll take on the exchange of Canadian and American postage stamps if no one else volunteers. But Ken Dunn is your man--his father works in the Motor City and if they're both willing.... Latest veries: WELI, WRFC, WSBT, WCTT, WKNX, WPHM, WABJ, KPIL, KLIZ, KXRA, WBIG, WLEC, WFOB, WCIN, WFIL, WFBG, WHBL, CKWS, CFGM, CJMS. 73.

Quentin K. Brown - 59 Kenilworth St. - Ottawa, Ont. - CANADA

Notice to Canadian DXers: If you should hear WNTN Newton, Mass. the CE would rather have a coin instead of stamp for return postage--he's a coin collector. Notice to all DXers: David Barfoot, CE of WWNH, would like to play chess by mail w/anyone. Address: 247 Central Ave., Dover, N.H. 03820. Cx have been awful and w/QRM de flourescent lights, furnace, TV, and baby brother, DX has been awful and w/exams nought expected for a while, so all I can say is MERRY CHRISTMAS and will send a report at end of the holidays. 73's & for those who can, good DX.

Jeff Brower - 1024 Waters Edge Apt.410 - E.Lansing,Mich.48823

Well, I am now 20.5 years old and a little wiser since I was last in the forum. I am still at Mich. State Univ. and a zoology/oceanology major. The radio club here W8SH has a HRO-500 now, so I can do a little DX'ing after working the Ham Rig. The HRO is a FB rig! I have a veri out to WSIG in Mt. Jackson, Virginia my furthest 1000 watter. CK very bad here since that aurora display a few weeks ago. I did work about 10 states on 2 metres with it, tho. If Mr. Klien from Univ. of Mich. reads this I'd like to write to him so we can get together sometime. I'd like to get letters from any ham or glider/soaring pilot, or from anyone as far as that goes. I had the pleasure of meeting our hard working editor this summer when I was in Riverside. Hi Don! Well if I DX this week maybe I'll have sumthing to say but I'm blank right now so 73.....oh yes, does anyone else computerize their log? CUL.

Ken Lyon - 5155 S. Newstead - Akron, New York 14001

I did it again, I was going to listen for the KURL Special and had the radio all warmed up. Next thing I knew I woke up and it was 4:30. I just sent in my renewal money for another year in this fine club. Got quite a few new veries this past week: WKID after 104 days and two reports, said that my first report was mislaid. CHCK sent a very nice letter and card along with a whole bunch of goodies about Sarnia, CHOV WCIN KOIL in 5 days airmail, WHAG WKJG and WAJR. I plan on sending out a few follow ups this week. Whenever anyone tells me how bad the Buffalo Bills are doing I just say I'm glad I don't live in Philadelphia. C.U.

Bill Migley - 210 South Maple Street - Lancaster, Ohio 43130

Hi gang! I try to report as often as I can but my reports still come few and far in between. I hope I can get into a regular habit starting with this report. What do you do with your QSLs? I put my QSL cards on the wall by way of photograph art corners. If not on the wall, I put them into a scrapbook by the same method (like any post card, photograph, etc.) But what about v/1? I have been putting my QSL letters in those plastic page covers and placing them in a file. I would like to place the letters in a binder for show and for reference, but the page protectors are 8½" x 11"-the same size as the letters themselves. I don't want to punch holes in the letters or damage them in any way. I can get protectors at size 9 x 11 which would almost serve the purpose but they cost 20¢ apiece!!!! The regular size (a different type and company) I can get for 15 for \$1.00. Any ideas on keeping v/1 ?? 73s for now.

Bill Raczko - 3015 East Lincolnshire Blvd. - Toledo, Ohio 43606

Best of luck to Marc and Father Jack as editors! Your first columns looked great! DX is very slow this season, with only 4 new stations logged since returning from the NRC Boston convention trip, which took George Greene and I through 13 states, 2 provinces, and 2 national capitols. We visited about 50 radio stations on the 2 week trip. Main reason for the lack of DX is the poor DX'ing conditions this year, also, I'm getting a loud buzzing noise in my radio which limits DX to about one out of every 5 minutes, hi. For those who don't know me, here's a reintroduction: I'm a high school grad currently working at K-Mart. I've decided to get into their management program instead of going to college, and, as a result am I-A as far as draft is concerned. I began DX'ing in December of 1965, then tried SWBC for a while, found it too easy, and returned to BCB. My best catch is ZP14-1020 in Paraguay (5 kW) and best verie is KWRC-940 in Woodburn, Oregon. My rx is a Lafayette KT-340 w/ a 160 ft. longwire, but I heard KWRC on friend's HQ-180. I also collect coverage maps, and have 525 different ones. My opinion on including foreign DX in the roundups is that we should leave it alone. In the first place, domestic DXers won't want to be bothered with all the foreign material included with domestic DX, and foreign DXers won't want to go hunting through three sections to find out who's heard what.

 (Bill Raczek cont.). (I feel that all foreign DX should be in one place because, as a rule, foreign DX heard in one part of the country has a good chance of being heard in all parts, as evidenced by such stations as SRS-725, Cubans, Mexicans, LAs and many SAs.) DX: Sierra Leone-1205, CHIN-1540, XETRA-690 Veries: WEND. Peace.

Jerry K. Conrad - P.O. Box 952 - Haines City, Florida 33844

Latest veries here KGBS, KMX, KFBK, KHVH, WACO. With a broken leg I have much DX time. I haven't taught school for a month & only hope to get back on 12/2. Don't know yet. RA here is still HRO-50T. Antenna 4 foot loop with FET pre-amplifier. Who is the Top 40 or underground music station on 1040 on Sunday Mornings?? 73s.

Russ Brown - 4100 Lake Shore Drive - St. Joseph, Michigan 49085

If there ever was a month for late veries November was it, KSKY v/led after 13 months!, KWOA sent a v/f after 10 months and WPGC, WDBJ, WMBR, were all 2 months out. Ohter recent veries: v/l KLUB, KMJ, KWVY, KITE, KTON w/cm, KPAC, CHUC, KEHG, KVOL, KFKA, KPOF and WJRD; v/q KSWO, CHQM, v/f KLAC, KSFO. The CE at KEHG really appreciates reports & will verify 100%. Domestic totals after 2 years. are 1024/335, 46/40, and 7/7. 73s.

 The above ends EC DX Forum typed by Marc DeLorenzo. The following report from RFS was forwarded to pub. hq by Bob Jacoby rather than start a new stencil. For the purpose of observing the IRCA Editorial Policy, the mention is made here that this report has edited to keep within approx. line limit. -Publisher/Don Erickson

Ronald F. Schatz, FTM3; T Div., USS Hoel, DDG-13; FPO San Francisco, Calif. 96601
 (Reporting from Drydock #2, Hunters Point, San Fran. - 11/28) Greetings from Riot City, USA, hi! It is good to see Father Jack editing our DXWW column. If you liked the way I did DXWW back in '66, you'll appreciate Padre's section even better. While I had it, I tried to avoid direct competition with NRC's IDX by using as different a format as possible, the result being a larger and more informative foreign section than NRC's - until I had to join the Navy and Gordon Nelson took over IDX. I hope Padre will avoid imitating NRC's section, as followers never lead. A big problem with DXWW has always been its cold, aloof image to the common member, who considers it to be the private stage of activities of a few highly-skilled DXers with expensive receivers - thus the latest controversy relating to this column. I believe it's essential to make the 'small' DXer feel at home in DXWW, regardless of his modest efforts. Let's fit DXWW to the service of the entire club, not to a very few 'top' DXers - agreed? We have been #1 in domestic DX for some time now, so let's reassume our position as #1 in foreign DX as well. We can do it; after all, look at what we've achieved in only 4½ yrs! OK for now. Portland was a blast, especially the ERBA sessions. 73 and good DXing to all.

Don Erickson, 6059 Essex St., Riverside, Calif. 92504

Hi. I didn't/don't have the flu myself; am in perfect health, hi. Was only commenting on the So-Cal epidemic which is now spreading. DX cx improved markedly for this past MM and while very little special was hrd, it was there for the hearing. The Portland ERBAnites did a heap of DX according to mbn and hrd several YV's on ER. None hrd here though I didn't try too hard. Keep reporting to all sections! 73.

 Ross Harp picked up some interesting information during a business trip to Anchorage. KYAK-630, 5kw, has made a request to the FCC to change freq. to 650 and increase power to 25kw. If granted, it would be the highest powered Alaskan.

Percy Kesteven sends along word that KMER-950 received only 1 report for their Oct. 14th test, from Mike Northam. Mike indicated KJR QRM as well as KIMN. The undid 1000 cycles TT was also on during the period. But it was not KMER. Mr. Hymas, Gen. Mgr., did not feel the test was wasted, however, and is willing to run another. PRK suggests we wait for the mysterious 1 kc. TT stn to disappear. Write PRK if you're int'd in another try (The reason for low response on KMER test is that it was aired at a slightly different time and day than arranged; mbn stumbled across it quite by accident.)

OTHER CPC RESULTS. Based upon info gathered at pub. hq, WWAM did not air its test. WPHM and KCNW were on. Likewise, the mysterious KWRC IRCA test was per sked and easy in So-Cal. KRIZ was on with Elliott Klein at the mike. During the period of the test, KGFJ-1230 Los Angeles was also testing. ---Publisher

EVANGELIST CURTIS SPRINGER ARRESTED Radio evangelist Curtis Howe Springer, who claims his half-hour radio broadcasts are heard on more than 220 stations in the U.S., as well as on 100 stations in other countries, has been arrested in Barstow, Calif., on a warrant charging him with 65 counts of false advertising and misrepresentation. The charges were brought by the Calif. Dept of Public Health's Bureau of Food and Drug Inspections. One of the products Mr. Springer advertises on radio is a cure-it-yourself hemorrhoid kit. Among the charges facing Mr. Springer are alleged violations of various sections of the State Business and Professional and Health and Safety Codes. Reportedly, numerous complaints have been filed with the Bureau of Food and Drug Inspections regarding alleged health benefits from the food supplement products Mr. Springer advertises on his shows. Mr. Springer, 72, claims his listeners number in excess of 14 million. (Taken from Broadcasting; the same and similar information submitted by Geoff Fox, Dave Kulka, Father Jack and others)

AVERAGE COVERAGE IN MILES Sent in by Fish, this should prove interesting to a lot of DXers. Quoting Fish, "Source: KMMJ's coverage map. Estimated $\frac{1}{2}$ -millivolt contours (in miles) assuming ground conductivity of 20 stand. units and a $\frac{1}{2}$ -wave vertical antenna (usual ground-radial system). Daytime groundwave. (Based upon 1954 FCC conductivity curves).

FREQ (kc/s)	Power in Watts					
	250	1000	5000	10000	25000	50000
540-560	110	170	225	278	312	335
570-590	108	162	220	268	310	325
600-620	103	153	200	250	300	318
630-650	101	150	195	240	290	310
660-680	100	140	190	235	278	305
690-710	96	135	185	228	265	300
720-760	90	130	170	200	220	265
770-810	82	120	160	185	210	235
820-860	78	110	150	175	192	225
870-910	72	98	137	160	180	210
920-960	70	96	130	150	165	200
970-1030	64	87	120	140	155	185
1040-1100	61	84	115	135	149	160
1110-1170	55	74	110	120	145	160
1180-1240	53	72	98	115	130	155
1250-1330	50	65	90	110	115	142
1340-1420	48	62	86	100	112	135
1430-1510	38	53	80	90	103	130
1520-1600	30	50	74	87	98	115

NO MIDWEST SECTIONS This note received from Lynn Brooks at press time. "Just a short note to let you know that there will be no stencils for the 12/7 DXM from me. I am in Texas for the holidays & brought typewriter, stencils, & several reports. But, alas, I have injured my back & can't sit up or walk. I am going home tomorrow (Sun.) and will see doctor on Monday. I have, at least, a pinched nerve in the lower part of my back. Don't know what other damage may be done. If doctor puts me in hospital & I see I won't be able to type stencils for 12/14 DXM, I'll send my reports to you late next week. I may have to go into hospital & into traction, but will wait & see." Most sorry to hear about that, Lynn, and I'm sure everyone sends sincerest wishes that it may prove not too serious. In the meantime, members, send DXF rpts to Lynn who will forward them if necessary. Further details in the next bulletin. -DEE

NO COMPUTER LABELS At final press time, the labels for this issue have not arrived. In those cases where there are no standby labels on hand, a label will be hand-typed and the Publishing Crew is working as quickly as possible to complete the job. --Publishers, DEE and Don Jones, Riverside 92504

New Editor: Donald K. Kaskey, Hotel El Rancho, Post Office Box 235, West Sacramento, California 95691. Deadline: Friday unless otherwise announced. Temp. Ed. until change is official: Don Erickson, 6059 Essex St., Riverside, CA 92504.

- 550 KOY ARIZONA, Phoenix on top w/chicken rock 0545 11/19. (JDK)
 KAFY CALIFORNIA, Bakersfield in clear every night and even better during the day. They're NSP, aren't they? (CS) (Yes-ed.)
- 580 CKY MANITOBA, Winnipeg fair w/wx u/KMJ 0417 10/27. (BP) With MoR mx on 11/18, ID at 0500 and nx & mx 0450-0500. Good sig, no Calif. QRM. (PM)
- 590 KFXM CALIFORNIA, San Bernardino is operating with 500w aux. trans. instead of 1kw because of fire. (BGP) Not hrd MM 12/3, only KGMB. (mbn)
 KTBC TEXAS, Austin had good sig after KGMB s/off 0500, hrd w/MoR mx 0545 11/16. (PM)
- 600 KOGO CALIFORNIA, San Diego in 2320-2345 11/14 w/Hockey game. Good sig. (CS)
- 610 WDAF MISSOURI, Kansas City w/MoR mx o/u another w/MoR 0453 11/19. (JDK)
 KVNU UTAH, Logan 0250 11/14 u/KFRC w/ID, nx. (FJP)
- 620 ???? unID MoR mx 11/25 w/weather 0439. Anyone besides WSUN NSP? (DMK)
- 630 KIDO IDAHO, Boise in briefly w/'Nightwatch' 0458 11/19. (JDK)
 KOH NEVADA, Reno fair on SSS 0235 10/29 w/nx. (BP) (Sunset Skip at 0235? ed.)
- 670 KBOI IDAHO, Boise hrd daytime 1358 11/25 w/poor sig. (DMK)
- 700 WLW OHIO, Cincinnati in clear 2230 11/12 w/nx. Slight XETRA slop. Most of of the time XETRA is so loud that WLW is impossible to hear. (CS)
- 730 KURL MONTANA, Billings poor 0227 11/23 w/Pop-DX test. (DMK)
 KVOD NEW MEXICO, Albuquerque in per DEE's tip 0845 s/on w/SSB 11/21. (DMK)
 CKLG BRITISH COLUMBIA, Vancouver was testing 0200-0230 11/23 w/OC. (DMK)
- 740 CBL ONTARIO, Toronto loud w/MoR 0505 10/28. (BP)
- 750 KXL OREGON, Portland hrd conducting E/T w/TT & MoR mx intermittently most of MM 12/2 including 0500. (mbn)
- 770 KXA WASHINGTON, Seattle 'Full Range 7-7-0' ID 1851 11/24. (JDK) Hrd daytime 1857 11/24 w/poor sig u/KOB. (DMK)
- 790 KEST IDAHO, Boise hrd 0910 11/22 w/ sign-on. PSA? Started w/jingle, no SSB. MoR mx. (DMK)
- 800 KINY ALASKA, Juneau hrd w/terrific sig on trans. portable radio 0530 SM 12/1 w/RR & nx. (mbn)
 KUZZ CALIFORNIA, Bakersfield w/quick ID 1002 11/22. C&W mx. (DMK)
 KBUH UTAH, Brigham City s/on 0915 11/22, directly into auction tape from SSB. After tape, no ID but mention of 'Double-0' Radio and, thank God, weather report for Salt Lake City area. (DMK)
- 810 KAFE NEW MEXICO, Santa Fe s/on 0845 11/23, into MoR. (DMK)
- 850 KOA COLORADO, Denver in the day 1503 11/25. Poor sig w/traces of KTAC. (DMK)
 KTAC WASHINGTON, Tacoma ann'g 10kw power 1913 11/24 w/KOA nulled. Quickly faded. (DMK)
- CKRD ALBERTA, Red Deer from wx to pop mx 1805 11/24. Female anncr. (JDK)
- 860 KOAM KANSAS, Pittsburg 0604-0608 just after s/on; good sig w/C&W mx. 11/25. (AL)
- 900 KFRB ALASKA, Fairbanks 0415-0505 11/24
 KGRB CALIFORNIA, West Covina caught signing on 0930 11/23, no SSB. (DMK)
- 920 KREX COLORADO, Grand Junction in fair 0805 11/21 w/CBS nx, KOLO looped. (DMK)
 KGAL OREGON, Lebanon off by 0250 11/25, reg. w/KXLY here nights. (BH)
 KXLY WASHINGTON, Spokane also off by 0250 11/25, believe MM s/off 0200. (BH)
- 930 KHJ CALIFORNIA, Los Angeles a real surprise below KEWQ 1623 11/25 w/RR. (DMK)
- 940 KWRC OREGON, Woodburn hrd 0315-0345 MM 12/2 on DX pgm w/TT's & OC, frequent IDs. (mbn) (DEE)
- KHOS ARIZONA, Tucson was only EE interf. hrd for KWRC DX test. (DEE)
- 950 KIMN COLORADO, Denver has been signing off 0200 recent MMs. (DEE)
- 960 KOOL ARIZONA, Phoenix hrd during rare KABL SP, 0538 11/19. (JDK)
 KALE WASHINGTON, Richland hrd w/nx 0300, then mx 0305 u/KABL so must be HSP. Had hrd 0300 MM s/off 6/5/67. (BH)
- 970 KCHV CALIFORNIA, Coachella hrd 1943 11/24 w/quick ID, then lost to KBEE. (DMK)
 KOIN OREGON, Portland on SSS 1955 11/24 w/ID, CBS nx. (DMK)
- 1000 KTOK OKLAHOMA, Oklahoma City in very well w/KOMO OC looped 0325 11/18. V/1 says they have 5 towers at night. (DMK)
- 1020 KSWs NEW MEXICO, Roswell in clear every night w/mx. Logged 2310 11/11 w/mx, good sig. V/1 rcvd. (CS)

- 1030 KTWO WYOMING, Casper hrd for first time 2250-2310 11/11 w/mx, NBC nx. (CS)
- 1060 KUPD ARIZONA, Tempe w/C&W mx 0445 11/21. NSP or just AN? (PM)
- KRSP UTAH, Salt Lake City w/MoR 1800 11/24 w/CFCN & KPAY. (PM)
- 1070 WKOW WISCONSIN, Madison in fair 0753 11/25 w/nx & spots. Rptd, state 40. (RLC)
- 1080 KWJJ OREGON, Portland s/off 0300, unk QRM (RLD?), ann. s/on time but unintell., 11/25. (BH)
- CKSA ALBERTA, Lloydminster fair to good 0720 11/11 w/C&W and 'hicky' sounding DJ. (BP)
- 1090 CHEC ALBERTA, Lethbridge. MoR mx 0535-0548 11/11 u/unID below. Def. AN MMs. (mbn)
- 1110 KFAB NEBRASKA, Omaha hrd 0630-0650 w/nx, mx "Morning Watch," exc. sig 11/11. KRLA off. (CS)
- CHQT ALBERTA, Edmonton finally hrd w/semi-cl. & MoR 2220 10/25. (BP)
- 1120 KPNW OREGON, Eugene RS 0257 11/25, OC 0301 till past 0310, so apparently off MM 0300. (BH)
- 1130 KSDO CALIFORNIA, San Diego logged on SRS 1005 11/17. (JDK)
- 1190 WOWO INDIANA, Fort Wayne in fair w/nx 0555 11/24, KEX off. (AL)
- KEX OREGON, Portland hrd s/off 0500 12/1 (SM). Ann'd s/on 0900. (mbn) RS 0310 11/25 ann. AN no NSP? (BH) (Off SMs 0500-0900 as above. ed.)
- KLIF TEXAS, Dallas w/RR mx o/Tester from 0506, ID 0507 after record. (PM)
- 1220 CJOC ALBERTA, Lethbridge good 2223 w/RR, 11/23. (AL)
- 1230 ???? unID f/c hrd here 0300-0315 11/23 w/TT--missed IDs. (DMK)
- KRIZ ARIZONA, Phoenix testing "in cooperation with the IRCA" 0440-0510 w/IDs, music, promos, spots, etc. plus lots of KGFJ E/T w/TT interf. (DEE)
- KGFJ CALIFORNIA, Los Angeles was testing during period of KRIZ DX; their TT should not be confused w/KRIZ DX. Over KRIZ most of the time. (DEE)
- KRDG CALIFORNIA, Redding signed off 0300 11/30, on top freq. w/loop N-S. (DEE)
- KWG CALIFORNIA, Stockton signed off 0307 11/30 w/vocal SSB, on top w/little audible u/them. Loop N-S. (DEE)
- KCBN NEVADA, Reno barely audible after KRDG/KWG s/off's w/many on freq. incl. KGFJ. 0310 11/30. (DEE)
- 1240 KFLY OREGON, Corvallis o/KROY 0536 11/19. (JDK)
- 1250 WREN KANSAS, Topeka w/KTMS (?) QRM 0315 11/13. WREN had RR. (PM)
- 1280 KFOX CALIFORNIA, Long Beach fighting KIT 0740 11/16 w/C&W. (BP)
- 1290 KMEN CALIFORNIA, San Bernardino is now running American Contemporary nx and was noted off MM 12/2. (DEE) Hrd off MM 12/2. (BGP)
- 1300 KYNO CALIFORNIA, Fresno w/disc. MM 11/25, 0240-0300 u/KWKW. (FJP)
- KCNW OKLAHOMA, Tulsa hrd on DX 0320 11/25 w/TT & C&W mx. (mbn) Quite likely the source of TT hrd about 0310 11/25 but nothing else readable. (DEE)
- 1340 KATY CALIFORNIA, San Luis Obispo hrd 1914 11/25 w/ID during spot. Seems to be rare here. (DMK) Hrd at sign-on many mornings w/KIST, KMAK. (DEE)
- 1350 KRLC IDAHO, Lewiston s/off 0330 MM 11/25 w/SSB. (FJP)
- 1360 KMO WASHINGTON, Tacoma on 0230 and off 0315 MM 11/25 so MM s/off 0300? (BH)
- 1370 KREL CALIFORNIA, Corona now NSP, starting AN operations about 11/26; gives temp. for Riverside and plays oldie RR; C&W + gospel days. (DEE)
- KAST OREGON, Astoria on 0230 and off 0315 11/25, is daily s/off still 0310? (BH)
- 1380 KPOI HAWAII, Honolulu hrd w/RR u/KRKO 0405 11/25--weak. (DMK) Was the main source of QRM for WPHM DX w/good sig. o/KRKO even w/loop. No trace of WPHM but Len Kruse confirms it was aired; no one else on WC seems to have hrd it. (DEE) Got this instead of WPHM MM 11/25. Jim Baker Show, RR mx 0400-0415. (BJP)
- KRKO WASHINGTON, Everett could be hrd w/KPOI looped MM 11/25. (DEE)
- 1390 KSLM OREGON, Salem s/off 0200 11/18. (BH)
- 1400 KEDO WASHINGTON, Longview apparently tape delays all Seattle Sonics basketball games Sun. PM's until 0220 MM, as did both 11/18 and 11/25. (BH)
- 1410 WUNI ALABAMA, Mobile fair in and out w/WING 0517 11/20. Must be AN now. Rpt sent. (RLC)
- 1430 WIRE INDIANA, Indianapolis state #41 w/C&W 0637 10/21. (BP)
- 1450 KNOT ARIZONA, Prescott s/on 0458 12/2 w/orchestral SSB. 75% readable. (DEE)
- KUDI MONTANA, Great Falls w/RR mx 1745 11/24, o/others on 1450. (PM)

- 1450 KRZY NEW MEXICO, Albuquerque, on top freq. most MM's, dominant w/KTIP apparently off. Hrd 0625 MM 12/2, fair to good sig w/C&W mx. (DEE)
KDXU UTAH, St. George s/on 0459 12/2 w/many others. (DEE)
- 1460 KENO NEVADA, Las Vegas ET MM 11/25, 0534-0550 w/mx, IDs. (FJP)
- 1470 KRAF OREGON, Reedsport testing w/C&W mx 0300-0308 11/25, rptd, o/all others on 1470, only other IDed was KXOA. (PM)
- 1490 KBZY OREGON, Salem s/off 0200 11/18. (BH)
- 1510 KGA WASHINGTON, Spokane on past 0220 11/25 but off by 0320 so MM s/off 0300? (BH)
- 1520 WKBW NEW YORK, Buffalo terrible w/KYXI OC, f/0430 to 0510, rpt sent, 11/25. (RLC)
KOMA OKLAHOMA, Oklahoma City hrd 0002-0045 w/RR mx; rpt sent, 2nd time. Last rpt in Aug. Do they verie? (CS) (Should--Gary Peterson has been handling the task: you might write him. ed.)
KYXI OREGON, Oregon City NCT hrd 0320 11/25 (unless KFBK was off) so has another NSPer bit the dust, hope hope? Was on before 0300. (BH) (KFBK sign-off listed 0400 so should have been on. ed.)
- 1530 KFBK CALIFORNIA, Sacramento hrd during RS 0320, I think, on 11/25, unless it was KYXI and my dial isn't that far off is it? Did not stick around for ID, but KFBK usually on until 0400 MMs. (BH)
- 1550 KOKA LOUISIANA, Shreveport very poor, extreme fade 0600 11/25, NOT SIGN ON. Report sent. (RLC)
KKJO MISSOURI, St. Joseph good sig dominant 0633-0657 w/RR mx. Is this one often rptd? (AL) (Never hrd by your editor. DEE.)
- 1560 KPMC CALIFORNIA, Bakersfield in exc. 0110-0145 11/13 w/AI nx, local nx 11/13. (CS) Has 1000 s/on SMs according to RLC. (DEE)
KWCO OKLAHOMA, Chickasha s/on Instr. SSB 0700 11/11. (BP)
- 1570 KACE CALIFORNIA, Riverside vy good 0915 s/on w/no SSB 11/23, into MoR. Report sent. (DMK) (Don Jones, local DXer and Guest Publisher for this issue has a high school radio pgm on KACE and will attempt to encourage this sometimes reluctant verifier to let him handle the chore--ed., DEE)
KZOL TEXAS, Farwell hrd 0910 11/23 w/spot and quickly faded. C&W. (DMK)
- 1580 KWIP CALIFORNIA, Merced atop KSND slopover w/nx 1955 11/16. (BP)
- 1590 KLIV CALIFORNIA, San Jose had trans. failure 1530-1800 11/24, s/on 1800 w/Beatles record on 500w non-dir. (DMK)
KUDU CALIFORNIA, Ventura hrd w/KLIV off 1641 11/24 w/RR. (DMK)
KSND WASHINGTON, Seattle at 1641 in the afternoon 11/24. RR, vy good sig w/practically no fade for hour or so. (DMK)
- 1600 KASH OREGON, Eugene on 0205 11/25 and off by 0320 so another MM 0300 s/off? (BH)

+++++
REPORTERS

CONTRIBUTORS:

- (RLC) Richard L. Coday, POB 5584, Oildale, CA 93308 HQ-140X, 4' Box Loop
(DEE) Donald E. Erickson, 6059 Essex St., Riverside, CA 92504 ARB rx, IRCA Sp. Loop
(BH) Bill Hardy, 303 W. 10th St., Aberdeen, WA 98520 GE C-2510
(JDK) Jim Korn, Box 156, 666 Radar Sqdn, Mill Valley AFS, CA 94942 '63 Chevy, Zen. T-0
(DMK) Dave Kulka, 160 Tioga Lane, Greenbrae, CA 94904 HQ-180, DCL
(AL) Andy Lagomarsino, 11060 Chula Vista, San Jose, CA 95127 Halli. S-16, 200' LW
(PM) Pat Martin, 1130 5th Ave., Seaside, OR 97138 Philco 8 tubes, Longwire
(mbn) Mike Northam, POB 605, Beaverton, OR 97005 HQ-140X, Loop + trans. portable
(FJP) Father Jack Pejza, 12096 Ventura Ave., Ojai, CA 93023 HQ-100A, 3' Loop
(BP) Bruce Portzer, 14056 5th Ave. South, Seattle, WA 98168 S-40A, NC-120, 100' LW
(CS) Chuck Sadoian, 382 Vermont Ave., Dinuba, CA 93618

NOTE: Bruce Portzer was accidentally left out of credits last week though he had an extremely long and well-done report. Sorry.

ABOUT EDITORSHIP: Please CONTINUE sending reports to Don Erickson, 6059 Essex St., Riverside, Calif. 92504 until official announcement of changeover is made.

Editor: Robert J. Jacoby, 556 E. Alvarado St. - Pomona, CA 91767
Andy Lagomarsino - 11060 Chula Vista - San Jose, CA 95127

Greetings all! Question of last week was answered by KFRB-900 Fairbanks, Alaska at 1:15 AM PST on 11/24. I was so happy I sent out a fifty minute report. Phil's report to the WCDXM gets credit for my reception. Thanks! Also DEE thanks for the info about 1550 and 860. This past MM, 11/25, got me two new states: KOAM-860 Pittsburg, Kansas, and WRIZ-1550 Coral Gables, Florida. Add WOWO on 11/24 and it was four state weekend. Total now 32 states heard. I also got KKJO in St. Joseph, Missouri on MM and report sent. I have suddenly decided my S-16 won't be sent to the scrap heap. Bad news (good for Easterners) is that KGO-810 is going to go 24 hrs starting 12/2, or so I heard. Only one QSL all week - CKLW-800. All you WCers keep the reports going for the DXR! The 3½ pager in 11/23 DXM will be of help next MM. Bruce Bacon got a Laff. HA-700 RX. 73.

Bill Block - 1036 N.E. 80th - Portland, OR 97123

Hi gang. I was very dissapointed to hear there will not be a foreign contest this year. I hope more of you will enter this contest next year as it can be a lot of fun. The two domestic contests look good. Recent veries are KTWO-1030 and KVON-1440. My totals are now at 157/221. The noise level is still very high around here so no real good DX except around SS when it has been very good with 19 new loggings in the last six weeks. The last six weeks have been the best SSS that I have ever seen here in Portland. It must be the new receiver. 73 and good DX.

Chuck Sadoian - 382 Vermont Avenue - Dinuba, CA 93618

Greetings. DX here is getting a little better after a couple of weeks without any good eastern or northern DX. Looking forward to logging my first EC station this winter, especially WBZ. Quite a bit of foreign DX has floated in here lately, most recently R. Belize in Honduras (remember my receiver is only a six transistor portable, so I consider this a very good catch.) Am now hoping to get a used HQ-180, how 'bout it Fish?? DEE, anytime you need somebody to type up something for the club to reduce the workload at hq, just call on me. I now note that you have been typing the ECDXF and the WCDXR plus a lot of other things that appear in the bulletin and not to mention the handling of requests for club material. Wow, how do you do it? Well, enuf said. 73.

Richard L. Coday - P.O. Box 5584 - Oildale, CA 93308

Hi! RX is HQ140X with a 4' loop. Veries in as follows: KPOS, KGAK, KGHO, WOC, and CJIC. Seven newies this MM as listed in WCDXR. Radio Hoquim-1560 seems to be verifying now as I got two separate letters from them recently. Would recoment f/ups to those who still need them. I missed a goodie on 1000 at 0700 this AM (11/25/68) in EST zone. I suspect Jupiter, Fla. but nothing to back up same. I favor pulling the plug at these OC 50kw spoilers on MM. I 2nd the move for an IRCA v/s column. A name is often a big help. No luck on the 1300 and 1380 kc tests. KPOI blasting in on 1380 and at least 3 non-testers noted on 1300 this AM. Have been writing reports since 0500 and its now 0800, so will 73 it for the time.

Bruce Bacon - 15820 Miradero Ave. - San Jose, CA 95127

Howdy all! Well, it happened. I finally bought my RX. It is a Lafayette HA-700. Its features are band spread, S-meter, antenna trimmer, BFO and ANL. It really works well. Many thanks to its former owner Randy Miltier. Also thanks to Ben Veio for his help. During the last few days my states totals have jumped from 19/18 to 23/21. New veries include KAIM, WLW, WSB, and KYWO. The last three account for the new states. K-TWO is really blaring S-9 now. By the way, when I was at Randy's house getting my radio, I saw his collection of veries. They're really great! I wonder if mine will ever look that good. Well, I guess its about time to wind it up. So until next week 73 and good DX.

Bob Jacoby - 556 E. Alvarado St. - Pomona, CA 91767

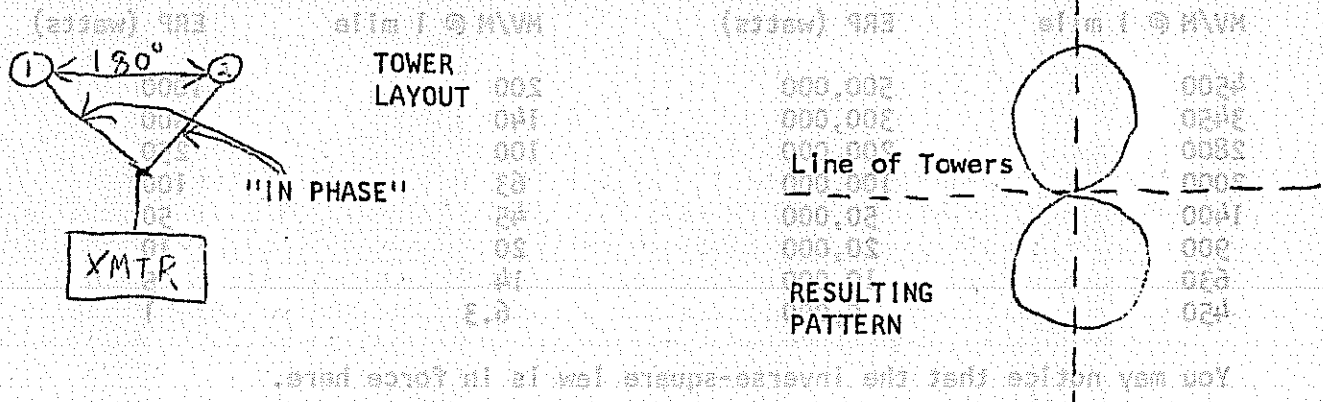
Not much in the way of DX is happening here at all. At least one verie to report from KMBZ-980. My travel schedule of late has been such that DXing time has been hard to come by. However, never fear. Once you get the bug, you never lose it, and Jacoby will be back at the dials in earnest as soon as possible. Keep up the good support people, and I'll see you next week. 73.

DIRECTIONAL ANTENNA PATTERNS

Few DXers realize the extent to which directional antennas are used by BCB stations in the U.S.; some of us may not even be aware of them. The fact remains that over 1,200 stations are now using Directional Antenna (DA) during at least part of their broadcast day, including the vast majority of fulltime regionals and clears. Whether we know it or not, DA's are responsible for bringing us at least a few of our prized catches, and, in much more numerous instances, are to blame for denying us our most sought-after stations.

Why use DA? There are two main reasons: 1) A few of the nationally cleared Class I stations have constructed arrays which provide a "gain" (effective power greater than the input) over most of the U.S. Continent, while reducing power which was formerly wasted over the ocean or a foreign country. WBZ in Boston, for example, beams west in such a way that they enjoy an effective power greater than 50kw over the entire U.S., except for the small areas lying east of the transmitter. 2) A much more common use of DA's is for mutual protection of the service areas of stations which operate on the same or adjacent frequencies.

How do DA's operate? While some of the more intimate mathematics behind DA operation is reputed to be rather involved, the basic theory is quite simple and logical. All directional arrays (DA can mean this also) consist of two or more vertical radiators (towers). Two factors determine where the transmitter's power will go: Tower spacing and tower phasing.



Referring to the diagrams above, it should be noticed that in either of the two directions which are in line with the towers, the r.f. sine wave from one tower will have travelled 180 electrical degrees (one-half of the station's wavelength) farther than that of the other, making the sine waves out-of-phase. Thus, assuming the r.f. amplitude in Tower 1 to be equal to that in Tower 2, the r.f. energy is effectively cancelled to zero in these directions. In the two directions which are broadside to the array, the r.f. sine waves will add in a similar manner. The familiar "figure 8" pattern has now been formed. Cardioids (patterns having only one null), "four-leaf-clovers", and other even more complex patterns are common.

In the example shown, phase relationships have been achieved wholly by means of tower spacing. In actual practice, a combination of tower spacing and artificial variable r.f. delay networks interposed between transmitter and towers is employed. Use of the delay network (called a phasing unit) carries two big advantages: It can artificially compensate for less controllable variables (such as a necessary change in transmission line lengths), and, more importantly, it permits more complex patterns using a minimum number of towers. The phasing unit's usual place in a broadcast station is right next to the transmitter. Once its controls have been set for the desired pattern, they are strictly taboo to meddlers. This is one of the best reasons why a directional radio station may not be legally operated unless a First Class FCC Broadcast license holder is on the premises!

HOW TO READ DIRECTIONAL PATTERNS

This is probably as good a place as any to mention that a DA pattern and a coverage map are not the same thing. The purpose of the former is to provide a proof of the directionality of a station's transmitting array, while that of the latter is to show the effect of this radiation, i.e. to portray the geographical area which would enjoy a usable signal. Although in pure theory a station's pattern and CM would look identical, they never do in practice due to variations in terrain, QRM, etc.

The FCC requires that all DA patterns be filed as a polar graph of the variations in the station's field intensity (measured in millivolts per meter -- mv/m) as a monitoring instrument is brought around the array in a circle whose radius is fixed at ONE MILE. Of course, it's impossible to measure this intensity at all points which are one mile away; in reality only a few points are selected, the remainder being filled in by interpolation. No pattern is ever graphed in terms of Effective Radiated Power (ERP) in watts as DXers would probably prefer.

An obvious question might be: "Wouldn't such-and-such a field intensity induced at one mile be the result of a specific ERP in watts being radiated in that direction?" Generally speaking (there are some minor complications!), the answer is "yes", and this is the key to interpreting patterns as far as DXers are concerned. The table below can be used to convert from mv/m/one mile to ERP in watts. It should be cautioned that the figures have been rounded off slightly from the true values.

MV/M @ 1 mile	ERP (watts)	MV/M @ 1 mile	ERP (watts)
4500	500,000	200	1000
3450	300,000	140	500
2800	200,000	100	250
2000	100,000	63	100
1400	50,000	45	50
900	20,000	20	10
630	10,000	14	5
450	5,000	6.3	1

You may notice that the inverse-square law is in force here.

Turning to the KRDS (formerly KZON) pattern which follows this article, it becomes apparent that -- with some modifications -- it is the "figure 8" described earlier. In order to check yourself out on the table above, find the pattern's maximum and minimum values of 180 and 6.0 mv/m respectively -- they represent an ERP variation of about 900 watts to 1 watt! In addition to the pattern graph itself, this particular sheet includes a tower layout plan at the upper left, showing tower separation and orientation, as well as tower height ("G" = ht.). The field ratio between towers (ratio of antenna currents in amps) is 0.915 : 1. The power phase relationship is given as "0 deg. - 0 deg." (i.e. radiators are "in phase"). On all DA patterns, one tower will be assigned a field value of unity and a phase angle of zero degrees, to serve as a reference tower. Most of the other markings on this pattern should be self-explanatory.

Although the FCC has on file every current or proposed pattern in existence, they do not have the facilities for making copies of their patterns. Instead, they've contracted Cooper-Trent, Inc., a Washington, D.C. blueprinting firm, to make copies of the FCC patterns for interested individuals. This company is the only dependable source of patterns that I know of; patterns are generally not available from radio stations. Anyone interested in placing orders with this company is invited to write me (or Cooper-Trent) for their fees and other ordering details. Any other queries pertaining to this article are likewise invited.

MEASURED DAY & NIGHT
(1-17-61g)

Station KZON
Tolleson, Arizona

250w, DA-1,U
1190 KC

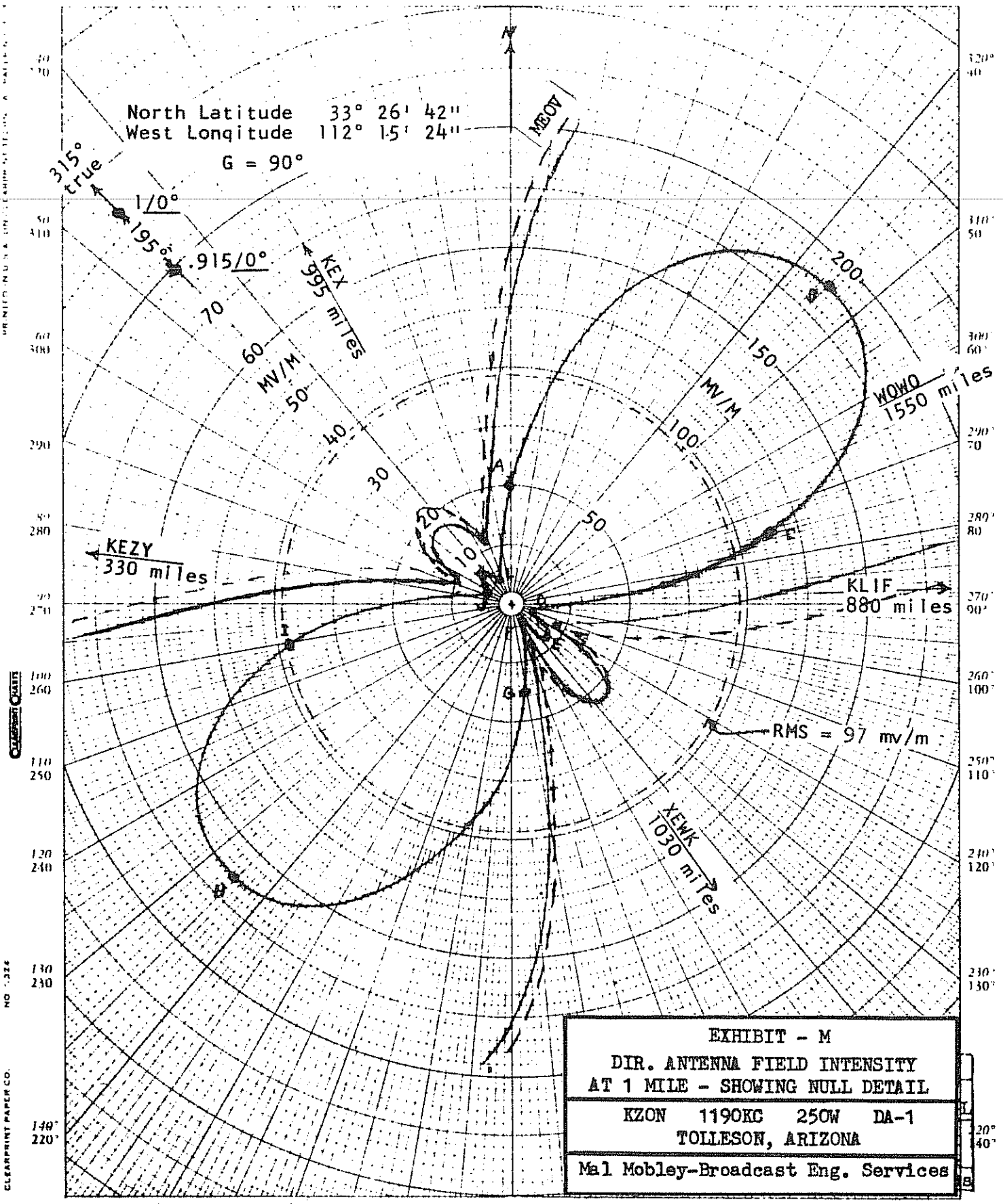


EXHIBIT - M
 DIR. ANTENNA FIELD INTENSITY
 AT 1 MILE - SHOWING NULL DETAIL
 KZON 1190KC 250W DA-1
 TOLLESON, ARIZONA
 Mal Mobley-Broadcast Eng. Services

FCC File No. BL-8182
Accepted 12-21-60

KZON
Tolleson, Arizona

1190 KC

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Listeners' Logs

- 540 XEWA Mexico, San Luis Potosi, heard 2340-0000 w/SS nx, mx 11/11. Although I didn't actually hear an ID (I'm not too good at Spanish), I am 99.9% sure this was it. Very loud. (CS)
- 590 JOAK Japan, Tokyo, really was a surprise, signal came over KGMB and others with a good signal, but only in from 0348-0402 on 11/20. Normally this frequency is so crowded a person can't get much. (FM)
- 600 HJHJ Colombia, Baranquilla, Radio Libertad. Heard 2315 on 11/27 w/Coca Cola ad in SS; also Baranquilla mentioned often. Fair to good signals at times. (CC)
- CMKV Cuba, San German, heard 2305 (what date? FJP) s/on in SS. w/good signal. A La Voz de Cuba station. (CC)
- 640 CMQ Cuba, Havana, heard 0555-0603 w/SS mx, many announcements, ID at 0600 as R. Liberacion on 11/4. Good signal. (CS)
- 655 North Korea, Pyongyang heard with S-8 signal 0655-0845. No pips heard on the hour. 10/28 (DV)
- 660 CMHG Cuba, Santa Clara, in clear as a bell 11/4 at 0432 with talk. (FM)
- JOAG/ Japan, Nagasaki/Obihira, both heard here quite often; this time 0400 on 11/20 with good signal. (FM)
- 670 JOBK Japan, Osaka, good signal here on 11/20 at 0410 with mx and talk. (FM)
- 700 JOUK Japan, Akita, better signal here since changed frequency and power early this year, hear with music and talk, 11/13 0430. (FM)
- 725 Surinam, Paramaribo, good signal here on 11/4, 0437 in Dutch, with ad at 0428, ID at 0430. Country #25 heard. (FM)
- 730 CMKJ Cuba, Holguin, good signal over others on 11/4 at 0430; QRM from station on 725, though. (FM)
- 750 YNX Nicaragua, Managua, heard 11/27 at 2000 w/definite ID. Very good signal at times. A real surprise for me. (CC)
- JOIB Japan, Sapporo, NHK 2, heard 0707 w/str. sig. 10/28. (DV)
- 760 ???? UnID SS, sounded like news with pip every minute MM 11/25 off and on from 0345-0430. (FJP)
- JOXK Japan, Tokushima, other stations interfering, but JOXK on top 11/20 from 0410, mostly Japanese music. (FM)
- 825 China, Peking, here with talk in Chinese (of course) on 11/19 at 1040, poor signal. (FM)
- 830 British Honduras, Belize., R. Belize 2200-2300 w/BEC nx, then EE mx program until approx 2245; then religious pgm, "Showers of Blessing," Beautiful signal. Report sent. Heard 11/19. (CS)
- 835 China, "R. Peking," S-6 signal at 0709 10/28. (DV)
- 840 JOQK Japan, Niigata, NHK 1 w/pip 0805, weak 10/28 (DV). Mx and talk 0330 on 11/20; very good reception first starting at 0230. (FM)
- 850 HJKC Colombia, Bogata, 11/25 MM 0417-0420. ID as CARACOL, R. Nuevo Mundo.
- 870 JOLB Japan, Fukuoka, in at 0800 w/3 pips, one tone. S-6. 10/28, (DV) // (FJP)
- 880 ???? UFO, at 0815 w/very weak signal, man and woman talking, 10/28/ (DV)
- HLXI South Korea, Taejon, good with Korean type mx, ID on the half hour, on 11/20 at 0430. (FM)
- 890 HLKB South Korea, Pusan, at 0430 on 11/20 // HLXI-880, QRM from Jap. (FM)
- JOHK Japan, Sendai, with poor reception over and under S. Korean, with mx at 0432 on 11/20. (FM)
- 970 XECL Mexico, Mexico booming in here with S-9, 12/1 0220 with ID. (FJP)
- 1000 ???? UFO; under KOMO carrier at 0747 on 10/28, Moa mention many times. (DV)
- 1005 ???? UFO, heard 0745 w/lady talking, weak signal, Pyongyang? 10/28. (DV)

- 1040 HJCJ Colombia, Bogata, good signal over Hawaiian at 0312 on 11/13; gave ID at 0315 as "R. Melodia, Bogata, Sud America." Played mx. (FM)
- 1010 OAX4U Peru, Lima has been heard almost every evening after 0300; first heard (out of place) 11/3 at 0301-0327. Peru type mx, good ID as "R. America" after mx at 0306. Sent report. Do they verify? (FM) (LEG says no, Pat. FJP)
- 1040 OBX40 Peru, Lima mixed with unID SS, 12/1 0225-0305. No positive ID, but TC as EST like Freeman mentioned. Other SS had woman announcer. (FJP)
- ???? UnID SS at 2355 almost coming in over WHO. Surprisingly strong signals for my location. Any ideas what it is? (CC) (Could be OBX40, Craig.)
- 1050 XEGC Mexico, Monterrey. Booming here 0537-0545 11/4 w/"Country mx time" in EE. Gave address as Ft. Worth 11, Tex., although I sent mine to Mexico. QSL with a nice v/q in 15 days. (CS)
- XED Mexico, Mexicali. Fair to good signals at 0000-0015 w/SS mx and ID on 11/1. No report sent. (CS)
- 1070 HJAH Colombia, Barranquilla, fair to poor signals on SSS 1900 11/19 w/CARACOL and Emisora Atlantico ID for best HJ from Ontario. (WJFW)
- 1100 HJ Colombia, 11/25 ID as CARACOL 0458. Could be either of the two R. Reloj in Bogata or Barranquilla. (FJP)
- 1120 ???? UFO under US station at 0720 w/weak signal 10/28. China? (DV)
- 1200 HIDV Dominican Republic, Santo Cerro, good to fair signals on SSS w/talk program, ID as "R. Santa Maria," 1745 11/24. (WJFW)
- 1220 4AK Australia, Brisbane with talk on 11/18 at 0445; Id 0500, very poor. Where have all the 50 kw Zedders and Aussies gone this winter? Have heard only around a half dozen or so. (FM) (I wish I had that problem, Pat. FJP)
- 1310 KNUI Hawaii, Makawao, in JJ on 11/12 at 0405, very poor signal for 5 kw Hawaiian. Are they directional or something? (FM)
- 1330 XE Mexico here, but which? Gave ID as R. Musica at 1932 on 11/2. Regular Mexican type mx, over KPOJ. Quite strong. (FM) (Could be XEBC- FJP)
- 1380 KPOJ Hawaii, Honolulu w/ Jim Baker Show, RR, MM 11/25 0400-0415. (FJP)
- 1460 JOWF Japan, Sapporo presumed the one heard in JJ 11/25 0529-0534 until KENO ET drowned them out. (FJP)
- 1470 ???? UnID SS MM 11/25 0500-0505 (FJP)
- 1475 Asiatic RSFSR, Vladivostok w/ nice signal at 0714 10/28. (DV)
- 1510 2NA Australia, Newcastle, with MoR mx and talk 0429 on 11/11. Very poor for 10 kw, sounded like 2 kw or thereabouts. ID at 0430. (FM)

Verifications

- 719 BEC England, London sent a nice card (different from standard SW card,) with frequency, transmitter, 100 kw. They also sent note that they were surprised I heard them with just an eight tube receiver. (PM)
- 870 JOLB Japan, Fukuoka, verified in one week by airmail, returned my tape. R. Japan QSL used with JOLB 870 kc Home Service written in. Also sent 3 postcards and report form. First Japanese verie. (DV)
- 1460 HJJW Colombia, Bogata, R. Nuevo Continente sent a nice v/1 in EE for taped report of Aug. 24 from B.C.; v/s is Thomas W.E. Frid, Administrator, born in Guelph, Ont., so EE rpts should be okay to this stn. QTH is Carrera 7^a N^o 13-27, Bogata. (WJFW)

Reporters

- CC Craig Cook, 2915B No. Weil St., Milwaukee, Wis. 53212, GE Jetstream rcr.
- FM Pat Martin, 1130 5th Ave., Seaside, Ore. 97138
- FJP Your editor
- CS Chuck Sadoian, 382 Vermont Ave., Dinuba, Calif. 93618
- DV Dennis Vroom, 2923 Brock Way, San Pablo, Calif. 94806, HQ-180, 75' LW
- WJFW William J.F. Wilson, c/o J.W. Brubacher, R.R. #2, Waterloo, Ontario

Argentina Cancels Radio Permits Ventura (Calif.) Star-Free Press, from N.Y. Times News Service 11/30/68

Argentina's military government has terminated the franchises of 21 privately owned radio stations in a move described by one critic as "the death of free broadcasting in Argentina." The government has awarded the vacated franchises to other private groups consisting largely of retired military officers and others friendly to the presidency of Gen. Juan Carlos Ongania. Of the 91 radio stations throughout Argentina, 20 are privately owned, 44 are government owned. The remainder are owned by universities and other groups. The government has decided to turn over 10 of its own radio stations and 10 television channels to private organizations, but in all cases the franchises are expected to go to "friendly" organizations. The private broadcasters losing their licenses intend to fight in the courts, but their chances are regarded as poor. "This is a disaster for hundreds of hard working and dedicated news staffs," said a reporter for Radio Rivadavia (IS5-630). The reporter, Anibal Binasco, is among the hundreds who will now presumably have to find other employment, probably outside the broadcasting field. "For more than a decade we have built our news staff to turn out a professionally competent report," he said. "We have succeeded, and our listeners are well informed. Now, besides the personal problem this means for all of us, a new organization at the station will have to start from scratch."

A number of these private Argentinian stations have been heard in the U.S., particularly LU9-670, LV9-830, and LU3-1200, usually between 0200-0400.

Domestic non-English List

Jim Korn has informed me that Broadcasting Yearbook has a list of non-EE stations, listed by state, language, and hours in those languages. For most DXers, however, this is not convenient. What I would like to publish is a list by frequency of non-EE stations with languages and schedules. In other words, revise and expand this Broadcasting list to make it more practical for DXers.

Tips for Newcomers

Quite a bit of interest has been expressed in having as a regular feature a section of tips for newcomers. I think this is a good idea. Perhaps more DXers would become interested in foreign DX if they knew what to look for. Each week I will try to give at least one easy foreign station. Please send in your tips to help budding foreign DXers. I haven't been in this business long enough to know what sort of DX can be expected on a regular basis, especially in other parts of the country. This week's tip comes from Quentin Brown, 59 Kenilworth St., Ottawa, Ontario.

800 PJB

Netherland Antilles, Bonaire. For the EC DXers, try 2200-2300 on Tues, Thurs, or Saturday for the relay from Hilversum, Holland. Send reports to R. Nederland, P.O. Box 222, Hilversum, Holland. A prompt v/q will come. For WC DXers, PJB can be heard from 0300 on, after XELO s/off, in Portuguese. Don't be confused—they give an address in Natal, Brazil as part of a religious program.

Comments from the Editor

There were a larger number of reporters to Listeners' Logs this week—all of them reporting for the first time since I've taken over as Editor. A special welcome to Chuck Sadoian, who sent in his first report.

I hope that a number of you managed to collect a few new Venezuelan stations on 12/2 with election returns. This is being written before 12/2, so I don't know how I'll fare.

The NRC Simultaneous Listening Contest, as mentioned by Marc DeLorenzo in the last issue should provide all of us an opportunity to test our skills as foreign DXers. See the list of frequencies and times in the last issue.

C.M. Stanbury II has an article in the January-February issue of Elementary Electronics on DXing Mexico. Some of the members interested in foreign DXing might try some of the stations he lists there as a starting place.

I hope the ERBA session turned out to be a success. It was a little too far away for me to attend, what with commitments on my part on Sunday. Perhaps I'll get to the session in February in Sacramento.

Canadian stamps While I have enough Canadian stamps to serve my own purpose for a while, I really don't have enough to swap with many of our US members. I will do this, though, since none of our Canadian members has volunteered. I will act as a trading post for US and Canadian stamps, once I get a sufficient supply of Canadian stamps. Please enclose a self-addressed stamped envelope with the stamps you send me to trade. Canadian members, I will use one of the US stamps you get for return postage.

Frequencies and Callsign Allocations in the Americas— Ronald F. Schatz
Almost all DXers are aware of the fact that in the United States the W-calls are located East and the K-calls West of the Mississippi River. Even more apparent are our frequency classifications: clear-channel, regional, and local ("graveyard" as DXers know them). But the United States is not the only country where a station's call letters indicate its geographic position or where "graveyard" channels exist. Other nations also classify their frequency and call-letter assignments either using systems such as our own (e.g., Brasil) or employing a method that is highly unique (e.g., Costa Rica).

By popular request we are repeating and expanding a series of short articles which first appeared in this bulletin back in 1965. These articles describe how the individual Latin-American governments allocate call letters and frequencies to their respective broadcasting stations. As before, they should prove highly interesting and even helpful from a DX standpoint.

Definition of Terms

International prefix: the first or first two letters of a call-sign, assigned through international agreement for the exclusive use of stations within or controlled by a particular country. E.g., XE__ for Mexico, HJ__ for Colombia, 4V for Haiti, K__ and W__ for the United States. Abbreviated IP in these articles.

Regional sign: a letter(s) or number(s) appearing within a callsign, indicating a station's location within a particular country. E.g., ZY22 in Guanabara, Brasil; HJCK in Bogota; HCJEL in Quito; OAX4U in Lima.

International channel: a frequency generally reserved for a single high-powered station, usually protected from interference by neighboring countries. E.g., 900 khz in Mexico, 600 khz in Chile. Called "clear-channel" frequencies in the U.S. and Canada.

Argentina The Argentine republic is party to an old treaty similar to our own NARBA. The other signatory nations include Bolivia, Brasil, Chile, Paraguay, and Uruguay. Under the treaty Argentina exercises exclusive use of the following international frequencies: 670, 710, 750, 790, 830, 870, 910, 950, 990, 1070, 1150, 1190, 1230, and 1310 khz. Interesting to note is the 40 khz separation between most of these "clear" channels.

Stations of the government owned "Radio Nacional" system use "IRA" calls. The Buenos Aires station is simply IRA; the others use IRA plus a number, such as IRA7 in Cordoba or IRA5 in Rosario.

Other stations use IR, IS, IT, LU, LV, or IW plus a number. The second letter of the call indicates one of the four regions where the station is located:

IR and IS	Distrito Federal (Buenos Aires)	; e.g., IS1 in Buenos Aires
IT	Northeast quarter of the country	e.g., IT2, Rosario
LU	Southern half of the country	e.g., LU6, Mar del Plata
LV and IW	Northwest quarter of the country.	

(To be continued)