



# DX Monitor

Devoted Exclusively to  
Broadcast Band DXing

January 2, 1982

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Issue Number 603

## In This Issue

Eastern DX Roundup .....	2	DX Worldwide II .....	9
1580 kHz Log .....	2	It's all in the Timing .....	13
Central DX Roundup .....	3	Cuba Calling All Comrades .....	13
Give Daytimers a Break .....	4	The IRCA Technical Column .....	14
Western DX Roundup .....	5	Eastern DX Forum .....	16
DX Worldwide West .....	6	Western DX Forum .....	18

## DX Calendar

- Mon Jan 18 WBLT-1350, Bedford, VA, will conduct their proof-of-performance test 0005-0130 EST w/50 to 10,000 Hz TT, mx, and voice IDs. Reports go to John P. Laughlin, CE, WBLT, P.O. Box 506, Bedford, VA 24543. Arranged by Mike Knitter.
- Mon Jan 25 WSAJ-1340, Grove City, PA, will test 0200-0300 EST w/TT, code IDs, sweep tones, march mx, & voice IDs, using 100 watts into a longwire antenna. Phone (412)458-9352. Send reports to: Tom Langmyer, WSAJ, Grove City College, Grove City, PA 16127.

## Flash Tips

The biggest news this week is about a new high-powered Cuban station on 1160 kHz. Karl Zuk (NY) & Steve Mittman (CA) both report ear-piercing reception. Karl's comment of "there goes another frequency" and Steve's of "at long last 1160 #2" probably sum up the general sentiment in their respective parts of the country, hi. The stn apparently uses SS until midnight EST, and English after that. See pages 7 & 13 for more details.... The KADE-1190 DX test was heard here in Seattle 12/28 w/pop mx & lots of IDs in KEX's null....KCRL-780 has changed calls to KROW and is now adult contemporary mx 24 hrs a day....to whoever was wondering, KTRH-740 is the station w/Larry King on that freq. Noted w/Best of King a few SMS ago....Finally, KLDR-1090 will begin nighttime operation no sooner than Jan or Feb 82. It would have happened sooner, but "they're having problems with their nighttime site" (7 towers/500watts), per Rob Harrington.

### WOBCRATS GETTOGETHER

It's time once again for one of those lively gettogethers at the Portzer house. This one will be held on either January 30 or February 6, depending on which weekend I'm home (my employer is shipping me off to Amarillo for a couple two-week trips in January or February, dates not yet known). In either case, it'll begin at 2 p.m. and bring potluck junk food. For more details (i.e. to find out which day it is) call (206)522-2521 or write to 6546 19th Avenue N.E., Seattle, WA 98115.

### CPC NEWS

Pending board approval, the new CPC Chairman is Phil Bytheway. See Phil's forum this week for some initial remarks. In other news, Rob Harrington has set up a CPC hot line, beginning January 9, 1982. If you have a CPC tip, phone it in Sundays 0450-0555 GMT. If you want CPC info, call Sunday 0610-0700; if there's nothing scheduled for the next 8 days, he won't answer; if there is something scheduled, he'll answer and tell you what it is. The number is 303-781-1185. (I assume you can also mail in the info if you think there's time....).

Hope everyone had a Merry Christmas, with lots of hot DX in 1982. 73, bp.

# EASTERN DX ROUNDUP

Bob Lazar 1711 Wainwright Dr. Reston, VA 22090

Deadlines: Tuesdays

780\*WABS\*VA\* Arlington, 12/19 noted on AN w/ OC. (WPT-DC)  
1380 WAOK GA Atlanta, 12/21 0042 talk show by man, wx rpt (18° F). Good.  
(WPT-DC)  
1530(WCKY)OH Cincinnati, 12/21 0010 noted off air. (WPT-DC)

## DX TEST

890 KBYE OK Oklahoma City, 12/20 not heard. A 1000 hz het from Algeria-  
891 was audible here. (WPT-DC)

## EASTERN DXER

WPT - Bill Townshend, 4500 Connecticut Ave. NW, #901, Washington, DC 20008  
(Realistic TRF, Sony ICF-S5W)

Wow! What a big column this week. Perhaps the postal service is to blame?  
The only report was via phone. Hopefully we'll have better luck next time.

## 1580 kHz LOG

Compiled by Bruce Portzer

The following listing of stations and their owners was taken from the FCC frequency mater file for 1580 kHz, dated September 1980. Unfortunately, the FCC files aren't the most accurate thing in the world. The actual listing includes stations that have been defunct for years, and doesn't include some stations that have been around for a long time. In addition, I spotted a couple cases where a station changed calls and is listed as both! It's safe to assume the following list isn't 100% accurate, but it may be useful anyway, for those of you chasing exotic s/ons & s/offers on 1580. It just might help you figure out who the Mxsdflz Broadcasting Corp is, hi.

WEYY	AL	Woodard BCing Co Inc	KIGR	MO	Tiger BCing Corp
KPCA	AR	Marked Tree BCing Co	KESM	MO	?
KPFD	AR	George V. Domereze	WAMY	MS	Bob McCraney Enterprises Inc
KNIX	AZ	Buck Owens BCing Inc	WLBS	MS	E Al Robinson
KMCE	CA	KWIP BCing Inc ?	WORV	MS	Circuit BCing Co
KDAY	CA	Rollins BCing of Delaware	WESY	MS	PTC Inc
KPIK	CO	Area BCing Corp	WPMP	MS	Crest BCing Co Inc
WSBP?	FL	Soundway BCing Co	WZKY	NC	Radio Station WZKY Inc
WSRF	FL	Van Patrick BCing Co Inc	WJIK	NC	?
WGTW	FL	Community BCing Inc	KAMI	NE	KAMI Country BCing Corp
WCCF	FL	Debeau BCing Inc	WRDI	NJ	Rodio Radio Inc
WCLS	GA	Muscogee BCing Co Inc	WCRV	NJ	Warren BCing Corp
WKIG	GA	Tallnall County BCing Co	KZIA	NM	Zia Telecommunications Inc
WYXZ	GA	Pickens County BCing Co	WYFA	NY	Brookhaven BCing Corp
WKUN	GA	Community BCing Co Inc	WVKO	OH	Sky Way BCing Corp
KCHA	IA	Radio Inc	KLTR	OK	Indian Nation BCing Inc
KWNT	IA	Hallstrom Communications Inc	WHEX	PA	Rex County Radio Inc
WFPV	IL	Salter BCing Co	WEND	PA	Great American Wireless Signal Co
WDQN	IL	Duquoin BCing Co	WANB	PA	Commonwealth BCing Inc
WBBA	IL	Pike BCing Co	WORG	SC	Radio Orangeburg Inc
WCCR	IL	Yankee Ridge BCing Inc	WBBR	SC	Piedmont BCing Co Inc
WCNB	IN	WCNB Inc	WSKT	TN	Morgan BCing Co
WJVA	IN	Mid America BCing Co Inc	WLIJ	TN	Arthur Milkerson
WAMW	IN	Washington Radio Inc	KGAF	TX	First 10 Media Inc
WAXU	KY	Central Kentucky BCers Corp	WHIM	TN	Chester Co BCing Co Inc
WMTL	KY	Rough River BCing Co	KIRT	TX	Rio BCing Co
WPKY	KY	Princeton BCing Co	KTLU	TX	E H Whitehead
KLUV	LA	Haynesville BCing Corp	KWED	TX	?
KLOU	LA	Dixie BCers Inc	KBYP	TX	Eugene B Henderson
WPGC	MD	First Media Corp	KRZI	TX	KW Comm Inc
WRBJ	MI	Ditner BCing Co Inc	WILA	VA	WILA Inc
KDOM	MN	Cottonwood BCing Inc	WPUV	VA	Pulaski BCing Corp
KNIM	MO	Nodaway BCing Corp	WTTN	WI	Watertown Radio Inc

# CENTRAL DX ROUNDUP

Robert Kramer  
6416 N. Richmond  
Chicago, IL 60645

UnIDed, SPECIAL, CHANGES, et. al.

- 550 WSAU WI WAUSAU, now EZL type format, retains Ai net & Paul Harvey. DW-WI  
890 KBYE OK OKLAHOMA CITY, 12/21 0112 fair-good on DX, U/UnIDed TT, W/Oldies & plenty of IDs. RK-IL
- 900 WKDW VA STAUNTON, test hrd W/CW ID U/SS pest 0008 12/14. LEB-IN, 12/14 not sure of this one, as CHML & XEW very strong, @ 0020 hrd steady TT for 3 min, male ancr gave "WK???" ID @ 0025, CW, then steady TT @ 0026 until 0028 & I gave up. DW-WI (Sounds like them to me, ed.)
- 1270 WHED VA STAURT, 12/7 0130 W/ID on test, assume also the one hrd O/U/WHBF W/TT & Carly Simon mx since 0107. TC-IL
- 1560 UnIDed 12/15 1730 S/Off sounded like WKAS Or WKKC, gave power as 250 watts & owned by Omnia Corp. Help. LEB-IN (Paoli, IN, ex-WUME, calls are WKKC, ed.)
- All da Rest
- 530 NB ON NORTH BAY, 12/7 0415 W/CW of NB followed by long TT, weak, alone. TC-IL  
900 WAFK WI ANTIGO, semi-local C&W drops APR & carries Mutual nx on hour. DW-WI  
940 KVSH NE VALENTINE, 12/16 1814 poor-fair O/KIOA W/wx then S/Off by female ancr. REM-IL  
950 WSPA SC SPARTENBURG, 12/12 2245 old Christmas song ending, ID, wx, PSA, mx. Seems to have a MoR type format W/all mx oldies. Good sig, with little WWJ & KIMN quiet. DW-WI, 0030 12/14 ID hrd "WSPA Apartenburg" just barely caught U/lcl WWJ. LEB-IN (Larry, as far as I know, they still are WSPA, ed.)
- 1000 WABT AL MONTGOMERY, 12/16 1745 almost inaudible U/WCFL/KXRB QRM W/S/Off. REM-IL  
KXRB SD STOUX FALLS, 12/16 1737 very poor U/WCFL W/nx & lcl spots. S/Off 1746 W/KIOV-FM promo. REM-IL
- 1130 WDGY WI MINNEAPOLIS, faded in (what a switch) for ID only @ 1750 12/11 U/WISN, KWKH, WNEW, WCXI, 1st time ever hrd from any location. LEB-IN
- 1140 WASG AL ATMORE, 12/14 W/nx 1730-1745 then S/Off. LEB-IN  
KSOO SD STOUX FALLS, much wanted W/ID & spots, WRVA usually quite strong after lcl SS. 12/11 1748. LEB-IN
- 1240 WTAX IL SPRINGFIELD, 12/12 0306 CBS nx ending, male ancr W/ID & ment. of only all-rite talk radio in Springfield, into Larry King, atop the mess. DW-WI
- 1260 WNDE IN INDIANAPOLIS, noted W/EZL type mx (Mills Bros), IDing as "The All New Windy 1260" & many promos for CBS Mystery Theatre @ 11:06 starting 12/14. DW-WI  
KTUE TX TULIA, 12/11 1845 barely audible U/WIBV-KGBX QRM W/S/Off ment. 1 kw & xmtr location. REM-IL
- 1270 WHBF IL ROCK ISLAND, 12/7 0100 W/CBS nx, ID @ 0100, good O/WHED & UnIDeds. TC-IL  
KSCB KS LIBERAL, 12/9 1815 poor but O/nulled WHBF W/lcl nx & Paul Harvey. REM-IL
- 1280 WPKN NY ROCHESTER, 12/7 0307 W/ID out of CBS nx, weak U/CJJD, tent. ID @ 0219. TC-IL  
CJJD ON HAMILTON, 12/7 0220 bombing in W/rck mx, loads of IDs, PSAs & more rock mx, instant pest. TC-IL
- 1290 KOIL NE OMAHA, 12/7 0340 W/ID, "Song Scramble" contest, bad DJ, alone on freq. TC-IL  
1340 WMKE WI MILWAUKEE, 12/15 1953 spot & Milwaukee Area wx. LEB-IN
- 1350 KIDN CO PUEBLO, 12/9 1843 1/2 XLNT W/lcl spots ment. Southern Colorado. RK-IL  
WXCL IL PEORIA, 12/14 1744 W/ID, Used car ad in mush. TC-IL
- 1380 WQHK IN PORT WAYNE, 12/7 1756 W/ID thru WVON slop. TC-IL
- 1400 WJET PA ERIE, 12/15 2320 ID, spot for store in Wesleyville. LEB-IN
- 1410 WIZM WI LACROSSE, 12/15 1723 spot for 1ST Federal S&L of LaCrosse. LEB-IN
- 1430 WJRB TN MADISON, 12/13 very good O/all W/C&W mx, WJRB Dial a Score sports. REM-IL
- 1440 KKCL ND GRAND FORKS, 12/7 0054 W/auto ad & ID U/WRRO. TC-IL (Still 500w, ed.)  
WRRO OH WARREN, 12/7 0029 W/XMAS appeal, definite ID @ 0045. TC-IL
- 1460 KDMA MN MONTVEIDEO, 12/10 1806 fair at times O/KSO W/"the Evening News" & many lcl spots. REM-IL
- CJOY ON GUELPH, 12/7 0354 W/ment. of Univ. of Guelph concert, ID. TC-IL
- 1480 WMQM TN MEMPHIS, 12/11 0248 W/TT on ET, numerous IDs. TC-IL
- 1540 WSMI IL LITCHFIELD, 12/7 1722 after WADM faded O/KXEL W/nx & ID. TC-IL  
WADM IN DECATUR, 12/7 1718 W/ad for Decatur Farm Store, WX in mess. TC-IL TC-IL  
WCBK IN MARTINSVILLE, 12/7 1730 W/S/Off & ment. of FM-92, then stayed on, O/KXEL//
- 1550 WMOO AL MOBILE, 12/14 1759 W/S/Off: "from management & staff of WMOO, a pleasant good evening". TC-IL
- WCVL IN CRAWFORDSVILLE, 12/14 2332 W/lost pets & a contest way U/CBE. LEB-IN  
WCTW IN NEW CASTLE, 12/14 0551 W/promo after promo, alone on freq. TC-IL
- 1570 WIL0 IN FRANKFORT, 12/14 0600 U/WFUR's SSB W/end of TT, ment. of AM & FM in S/On & SSB. TC-IL
- WFUR MI GRAND RAPIDS, 12/14 0559 end of TT S/On, SSB O/U/WILO's TT. TC-IL
- 1580 WBBA IL PITTSFIELD, 12/6 1742 W/S/Off @ 1745, ment. of "FM 97", AM 1580. TC-IL

Miller Time

LEB... Larry E. Black 55190 Oak Rd. South Bend, IN 46628 (SX-100, 500' LW "Baby Beverage", lots of patience, initials on all loggings next report)  
TC... Tim Cronin 7500 W. 111th St. Worth, IL 60482 (Akai AT-V04)  
RK... Who me ? (R-1000, HQ-129X, Radio West Loop, spiral loop, too much egg nog)  
REM... Robert McKinney RR #2 Box 120 Clinton, IL 61727 (R-300, SM-1)  
DW... David Wurl 908 W. 14th St. Marshfield, WI 54449 (R-1000, SPR-4, SM-2 & Radio West Loop)



CDXR To TAKE A Vacation

Due to CADX XXII, CDXR will not appear next week. So see you in 2 weeks. RK

Broadcasting, 12/7/81 via Greg Monti used by permission

### Give daytimers a break, say FCC comments

Filed in response to NTIA petition, daytime broadcasters expectedly endorse easing of restrictions; clear channel operators and some others file less enthusiastic responses

The FCC should adopt a rulemaking aimed at easing the restrictions under which daytime-only AM stations operate, according to comments filed with the FCC. But how much seems open to question.

The comments came in response to a petition for rulemaking filed by the National Telecommunications and Information Administration in September (BROADCASTING, Sept. 21).

In its petition, NTIA had recommended that the FCC increase the presunrise and post-sunset operating hours of selected daytime-only stations; give daytimers that provide the only local service in their communities of license a significant preference in comparative contests for new FM facilities if the daytimers file the original petition to amend the table of assignments, and speed up processing of petitions to amend the table and of applications for construction permits for new FM facilities when filed by daytimers that provide the only local service in their community.

The petition argued for permitting stations not authorized for presunrise broadcast to be given experimental authorization to begin operating 30 minutes earlier. Stations that are permitted to operate at 6 a.m. with 500 w if they don't interfere with other stations should also be given authorizations to expand morning service, NTIA said.

NTIA also said protection requirements should be based on actual diurnal variations of signal strength, phased in according to the continuing reduction in the radius of the projected skywave contour—rather than on nighttime propagation curves.

NTIA also said post-sunset operations should be permitted experimentally where protection requirements can be met. NTIA also suggested that certain daytime licenses be granted experimental authorizations to operate at night with less than 100 w.

As might be expected, daytimers have endorsed the NTIA petition warmly; other broadcasting representatives, and representatives of clear channel stations, have given the petition a cooler reception.

The National Association of Broadcasters Inc., licensee of daytime-only WQOW(AM) Lake City, S.C., urged the FCC to adopt a rulemaking on the NTIA petition, arguing that the only local radio service in many communities is provided by daytimers. As a result, Coastline said, those communities were deprived of early-morning and evening weather, winter school closings and traffic information.

Accomack-Norhampton Broadcasting Inc., licensee of daytime station WESR(AM) Onley-Onancock, Va., said the FCC "should do all things reasonably possible to alleviate this deficiency in fulfillment of the mandates of the Communications Act to provide an efficient distribution of radio facilities to each community."

Radio WEW Inc., licensee of daytimer WEW(AM) St. Louis, said the NTIA proposal to give daytimers preference for new FM stations in their communities was "eminently fair... If the commission can give preference to minority applicants, it should be permitted to give preference to applicants whose existing AM facilities do not provide a full service because of technical limitations, especially when they have spent thousands of dollars to initiate and maintain the rulemaking proceeding which resulted in availability of a channel," Radio WEW said.

The Daytime Broadcasters Association said it "strongly" endorsed NTIA's proposals, but it thought the proposed rulemaking should be expanded.

According to DBA, the rulemaking should consider permitting all daytimers to operate from two hours before sunrise to two hours after sunset (unless a full-time station could demonstrate that such operation "unduly" interfered with its signal); permitting daytime-only stations to provide low-power nighttime service; amending and reallocating FM station assignments to "permit rapid introduction of local nighttime service into underserved communities"; eliminating the difference in the degree of protection granted Class I clear channel stations, and implementing those proposed revisions on an experimental basis for two years, pending the establishment of formal rules.

The National Association of Broadcasters urged the FCC to adopt a rulemaking aimed at easing the restrictions under which daytime-only stations operate, but it said such a proceeding should "consider NTIA's proposals for all daytimers, not just those that provide the only local service."

NAB also said the FCC should consider modifying its application acceptance criteria (which NAB said have restricted some daytimers from applying for full-time operation) and change its diversification policy (which NAB said had been a barrier to daytimers seeking full-time AM or FM operation in comparative proceedings).

Although NAB said it had "reservations" about permitting daytimers experimental authorizations, it said it supported "all efforts, technical and nontechnical, that will aid daytime radio stations without significantly diminishing the service pro-

vided by other stations." The National Radio Broadcasters Association said that although it supported efforts to assist disadvantaged communities, it had "serious reservations" about NTIA's technical and economic actions.

NRBA said that especially worrisome is that NTIA "trades in large measure" of a diurnal curve to rationalize some of its recommendations, and that even, NEBA said, "is inappropriate for use in the United States."

NRBA also took NTIA to task for using "somehow misleading statistics" on the number of communities where daytime-only stations represent the only local service to rationalize its argument for requesting the FCC to alter its technical allocations rules. NRBA said that most of those communities have access to a "multiplicity" of radio services.

"As much as the daytimers need and deserve assistance, care should be taken to assure that any assistance offered to them does not disserve everyone," NRBA said.

NRBA also said that adoption of its own petition for rulemaking would have a "distinct salutary" effect on daytimers without any undesirable side effects on the technical quality of other AM service... because the NRBA's proposal relates to nontechnical "artificial" allocations criteria."

The Association for Broadcast Engineering Standards Inc. said it supported the NTIA petition to an extent, but cautioned the FCC against adopting a "narrow" approach that "might seek to improve the lot of daytime-only stations at the expense of massive interference to the reception of full-time AM services."

ABES said: "While the commission certainly should consider an 'engineering' solution to the question of nighttime service... it should also put an emphasis on those nontechnical policies which are responsible for placing daytime-only applicants... at such a disadvantage."

ABES recommended that the FCC not adopt a policy of preferring daytime stations over other classes of applicants, because such a policy would raise "many vexing" legal questions.

ABES also said current FCC rules limiting the operation of daytime-only stations "are not frivolous or arbitrary... They are eminently reasonable standards applied to protect what is on balance the general public interest in receiving interference-free AM radio services in the important early morning and evening hours."

The Clear Channel Broadcasting Service said that it "continues to urge that the wide-area daytime and expanded wide-area nighttime service afforded by clear channel stations to rural and small town residents and highway travelers be preserved and improved through an allocations policy which rests on sound engineering principles."

CCBS also said NTIA had based its argument for expanding daytimers' hours of operation on use of a diurnal curve, which CCBS said was "a faulty premise." CCBS said it had "long maintained that FM affords a superior means of providing a full-time service to small communities."

# WESTERN DX ROUNDUP

Nancy Hardy  
2301 Pacific Avenue  
Aberdeen, WA 98520

All times are  
Eastern Local

Phone for hot WDXR tips: (206)532-6827 till 10:30pm(PLT)--no collect calls

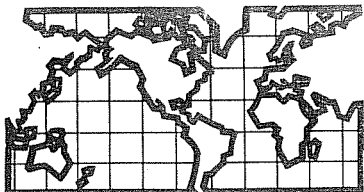
DEADLINES: Thursdays 1/7, 1/14, 1/21, 1/28, 2/4, Wednesday 2/10

REPORTERS FOR THIS ISSUE:

- (BB) Bill Block-9307 S.E. Clay Street-Portland, OR 97216  
R-390A, Radio West loop & 225' long wire  
(EH) Ed Hoffman-P.O. Box 125-Burlington, WA 98233  
RF-2900, SM-2  
(bp) Bruce Portzner-6546 19th NE-Seattle, WA 98115  
HQ-180A, 4' loop, SM-2  
(RW) Robert Wien-1309 Dentwood Drive-San Jose, CA 95118  
GE long-range portable, SM-2

- \*\*\*\*\*  
540 \*KVIP\* CA, Redding 12/14 0550 ET'ing w/OC & pre-recorded nx. (EH-WA)  
670 (KBOI) ID, Boise 12/7 0447 noted totally off. WMAQ in w/good sig. (EH)  
680 KOMW WA, Omak 12/7 1735 good w/spot for Courtesy Travel, into C&W  
song. (EH-WA)  
710 \*KMPC\* CA, Los Angeles 12/14 0305 noted w/TT. (RW-CA) (EH)  
730 KBOY OR, Medford 12/8 1110 good in CKL3 null w/ID, wx, into rr mx.  
KTRQ WA, Ephrata 12/7 1759 good w/ment. of FM stn into EZL mx. (EH)  
CKDM ME, Dauphin 12/2 0705 good w/nx, sports, into C&W song. CKLG off.  
740 CBX AB, Edmonton 12/7 1830 good in KCBS null w/CBC nx. (EH) (EH)  
780 KAZM AZ, Sedona per verie, actual tech. info is: 5kw ND day, 250  
watts directional night to N/S, 0200 s/off, 0800 s/on. (RW-CA)  
WBBM IL, Chicago 12/19 hrd at 2320 w/wx. No KCRL all night so they  
must have been off. (BB-OR)  
KCRL NV, Reno OK, what's going on?! Noted w/s/off 12/14 0100 announc-  
ing "tomorrow morning" s/on. Tuned back 0200 in middle of ID,  
followed by PSAs for Nevada opera ballet & U.S. Customs, then  
YL annor w/pop mx instead of the usual class. mx or SS. EP? (bp)  
790 (KABC) CA, Los Angeles 12/14 0317 noted totally off till past 0700. (RW)  
850 \*KOA\* CO, Denver 12/14 0303-0500+ w/OC's, TT's etc on rare SP. (RW)  
CKRD AB, Red Deer 12/4 1815 xlnt w/MOR type song in KTAC null. (EH)  
910 KJJJ AZ, Phoenix 12/14 0322 good in KNEW null w/"91-K-J" ID, o/XEAO.  
990 KRKT OR, Albany 12/8 1130 fair in KOMO-1000 slop w/C&W (RW)  
song into local ads. (EH-WA)  
CBW ME, Winnipeg 12/8 1830 good w/CEC nx into talk show. (EH-WA)  
1050 CJNB SK, North Battleford 12/8 1835 very good w/nx, wx, into C&W  
song. (EH-WA)  
1070 KERR MT, Polson 12/8 1845 good in CFAX null w/"Country Curr-R"  
slogan into song. (EH-WA)  
1090 KLWJ OR, Umatilla 12/20 s/off by YL 1913 w/50kw local KING in one of  
the most precarious nulls of my DX career (see WDXF for  
details). (bp-WA)  
1110 ?WBT? NC, Charlotte 12/14 0733 tent. w/rr, "--- show on -?B?- gone  
very quickly. Could've been KFAB as well who blanketed freq.  
seconds later, unID SS also in there. (RW-CA)  
KBND OR, Bend 12/4 1750 spot for local Yamaha dealer into rock song.  
Fair w/CHQT. (EH-WA)  
1120 \*KPNW\* OR, Eugene-Springfield 12/15 0609 noted w/OC. (EH-WA)  
1150 (KAYO) WA, Seattle off 0300+ MM 12/14, but on RS same time 12/21. (bp)  
1360 (KWO) WA, Tacoma 12/7 0500 noted totally off. (EH-WA)  
1370 (KEEN) CA, San Jose 12/10 0315-0340 noted w/OC, TT this whole period or  
most of it. Back on at 0340. O/KSOP. (RW-CA)  
1390 KCEY CA, Turlock 12/14 0312 experimenting apparently w/a new sked.  
RS w/DJ ment. "until 6am," also ID as the "all-new KCEY," &  
"the best in the country" new slogans. There goes 1390. (RW)  
1400 KART ID, Jerome 12/18 2246 w/spots for Twin Falls & Burley and then  
into C&W mx. (BB-OR)  
1430 \*KBRC\* WA, near Mt. Vernon 12/14 0540 noted ET'ing w/OC, TT. (EH-WA)  
1490 KRNR OR, Roseburg 12/20 hrd at s/on w/SSB at 0858. (BB-OR)  
1550 KR30 UT, West Valley City 12/21 0302 strong & alone w/legal ID &  
C&W mx. KVAN/KKHI apparently off. Somewhat rare here. (bp-WA)  
1590 (KLIV) CA, San Jose 12/10 0533 noted w/TT on same night KEEN was off!  
1600 KBBX UT, Centerville 12/20 hrd at s/on 0834, good signal for (RW)  
2 minutes and then lost. (BB-OR)  
1610 TIS CA, Sierra Nat'l Forest, Shaver Lake 12/10 0544 fair w/YL (RW)  
giving ski cx, etc, last hrd about 7 months ago. KLIV-1590 off.

(Continued on page 8)



## DX WORLDWIDE - WEST

Pat Martin - Editor

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(503) 861-3185

Boy do we have a column for you, especially the T-A SECTION. Brian Vernon up in the Yukon has really been pulling in the goodies along with other DXers. So on with the column.....

### TRANS-ATLANTIC DX ROUNDUP

- 630 NORWAY, Vigra-12/2 at 0705, male w/news o/CHED, then KJNO. Big signal // 675. On 12/3 at 0659, 30 pips to 0659.55, then pip at 0700, poor signal, was good earlier. (BV-Y)
- 657 USSR, Murmansk-12/2 at 1233, clas. piano mx, 1243 female ancr, good quality audio. (BV-Y)
- 675 NORWAY, Bodo-12/2, at 0713, female and male ancr w/talk, bits of mx between items // 630 fair 12/3 at 0654 female singer also // 630 poor. (BV-Y)
- 693 ENGLAND, Droitwich-11/30 at 0650, Thunderball mx at 0652, male ancr gave a BBC Quiz, //882 both exc. radio 2 net. (BV-Y)
- 711 FRANCE, Rennes-11/29 at 0642, inst. mx then male and female ancrs FF, 11/30-0611-exc. sig. male FF talk (BV-Y)
- 738 SPAIN, Barcelona-RNE 11/30 at 0223, disco mx noted at 0230 male singer SS (BV-Y)
- 750 GREENLAND, Unianak-12/2 at 1051-melody of mx inst // 850 (BV-Y)
- 756 WEST GERMANY, Konigsutter-DLF 11/30 at 0613, male ancr w/GG talk (BV-Y)
- 774 SPAIN, San Sebastian-RNE 11/29 at 0656 male ancr w/Ia Musica. (BV-Y)
- 783 EAST GERMANY, Burg-SDD-11/30 at 0614 inst. mx, vy big sig. (BV-Y)
- 810 SCOTLAND, Burghhead-Radio Scotland-11/30 at 0607 male w/soccer stories and other sports, CHQR QRM (BV-Y)
- 837 FRANCE, Nancy-11/30 at 0635 female ancr w/lots of FF talk (BV-Y)
- 850 GREENLAND, Upernavik-12/2 at 1053, melody of tunes // 750 o/KICY w/RR lingo. (BV-Y)
- 864 FRANCE, Paris-11/30 at 0614 male w/FF talk (BV-Y)
- 882 ENGLAND, Washford-11/29 at 0730 SID "This is Radio Two", male ancr, Helen Reddy rec. (BV-Y)
- 891 ALGERIA, Alger-11/30 at 0151 male ancr, male w/AA singing at 0200 3 short, one long pip male w/AA talk, fair sig. (BV-Y)
- 909 ENGLAND, Brookmans Park-11/30 0139, male ancr, folk tune (BV-Y)
- 927 BELGIUM, Wolveterem-BRT 11/28 at 0605 male w/DD talk (BV-Y)
- 936 WEST GERMANY, Bremen-Radio Bremen 11/30 0606 female ancr, then Disco inst. mx (BV-Y)
- 972 WEST GERMANY, Hamburg-NR 11/30 0138, female singer in GG, beer garden type mx (BV-Y)
- 1008 HOLLAND, Flevoland-11/30 0221-Comedy w/Female and male ancrs. (BV-Y)
- 1017 WEST GERMANY, Wolfsheim-SWF 11/29 0631 GG folk type mx (BV-Y)
- 1026 AUSTRIA, Linz-ORF 11/29 0627 clas. ballet type mx, 0628 YL w/GG talk (BV-Y)
- 1035 PORTUGAL, Lisbon-11/29 0703 male w/PP talk, mx prob. 0703.30 news sounder, another male talk (BV-Y)
- 1053 ENGLAND, Droitwich-BBC 11/28-0621 promo for competition in Radio Times and BBC Orch at 10, mx forecast followed. (BV-Y)
- 1062 DENMARK, Kalundborg-11/29-0637, old dance mx-0640 waltz mx, no anmt. (BV-Y)
- 1179 SWEDEN, Horby-12/2 0609, deep voiced ancr w/Swedish talk, poor signal (BV-Y)
- 1188 HUNGARY, Szolnok-11/30-0600, 6 pips, mx sounder, YL briefly then male w/mx, 0601.30, double bass type tones (3 or 4), male again w/mx, good signal, was in for quite a while (BV-Y)
- 1197 WEST GERMANY, Munchen-VOA 11/28 0610-male w/EE talk about rel. (BV-Y)
- 1215 ENGLAND, Washford-BBC 12/2 0727, clas. mx vy good signal (BV-Y)
- 1251 LIBYA, Tripoli-11/30 0151 AA type mx, good sig. no het for once (BV-Y)
- 1269 WEST GERMANY, Neuenster-DLF 11/30 0631 female w/Opera. (BV-Y)
- 1350 FRANCE, Nancy/Nice -11/30 0551-male w/FF talk, clear signal, no QRM (BV-Y)
- 1430 GREENLAND, Thule-11/30 at 0700 ID as "For information and entertainment, American Forces radio Thule" APR mx, followed, Exc. sig., can't understand how I overlooked this before (BV)
- 1440 SAUDI ARABIA, Denman-11/29 female AA singing at 1755 inst. mx 1758-faded at 1800, but feel sure any pips it played would have made it, none did, male w/talk just after 1800 No sign of BBC-1413 nor UAE-1481 (BV-Y)
- 1458 ALBANIA, Lushnje-12/1 at 0430 YL then familiar band mx, YL again w/Greek (BV-Y)
- 1476 AUSTRIA, ORF-Wein Bisamberg-12/2 at 0517, prob the station playing waltz mx by Streus (BV)
- 1503 POLAND, Stargard-Szczecinski-11/28 0612 big signal male w/Polish talk, inst mx. (BV-Y)
- 1593 WEST GERMANY, WDR-Langenburg-11/28 0614-male w/GG talk (BV-Y)

### PAN-AMERICAN DX ROUNDUP

- 840 PANAMA, Panama City-HOL80-1002-12/15-clear "Radio Nacional de Panama" ID by female, into mx, fair to good in WHAS null (RT-Ca)
- 1110 UNID, SS w/an IS similar to XEOY (sol-sol-mi-la-sol-mi), suspect it to be XERED, but quick fade away w/KFAB-CHQT at 0231-12/14. Ideas? (RW-Ca)

- 1160 \*\* CUBA, Guines? at 0927-12/11, Cuban Chimes identical to those on 640, etc. noted under KSL w/KSL mullied. (RT-Ca)  
 \*Also noted Havana?-Radio Havana Cuba-12/21 discovered a new higher powered propaganda station been mixing and almost equal w/KSL! Noted at 0750 w/all EE w/YL and OM talk about US/Latin American relations. Went at 0755 they invited questions about Cuba, Post Office Box 7026-Havana, Cuba. Mx til 0800, then into pgm on collecting stamps, Finally at long last 1160 station 2 hrd, but will be a real pest. (SMM-Ca)
- 1560 MEXICO, San Rafael de Chamapa-XEFAJ finally hrd at 0810-12/14 w/Musica Ranchera, slogan good signal, KPNC off (RT-Ca)

TRANS-PACIFIC DX ROUNDUP

- 529 ALASKA, Level Island-1005 12/17, finally noted w/wx reports by male morse code underneath, fair to poor signal (RT-Ca)
- 531 AUSTRALIA, Kempsey-2MC-fair w/rr mx at 0933 on 12/23 (PM-Or)
- 576 USSR, Irkutsk- 12/2 at 1446 female singer // 182,236, Pgm 2 (BV-Y)
- 585 USSR, Svobodnyy-12/2, prob. the outlet w/CC talk by YL ancr at 1542 (BV-Y)
- 594 UNID, vy faint 12/14-1405 and strong w/CC sounding mx 12/15, 1128 (GK-Ca)
- 639 CHINA, Beijing-12/2 at 1537, female singing in CC, Opera style // 837, het on 640 (BV-Y)
- 650 \*\*\* ALASKA, Anchorage-KYAK, poor at 1950, w/ USC Football game, deep fades every few minutes, on 12/20. Noted again at 1100 PST (1900 GMT) w/Mutual mx and into Anchorage wx, again vy poor, but surprised to hear in middle of day, on 12/23. (PM-Or)
- 660 \*\*\* ALASKA, Fairbanks-KFAR also noted during the day at 1910 w/rr mx and spot for bus. in Fairbanks, weaker than KFAR, couldn't catch every word, on 12/23. (PM-Or)
- 666 JAPAN, Osaka-JOBK-fair in JJ 12/15-1126 (GK-Ca)  
 USSR, Komsomolsk-12/2 at 1447 male singer // 576, 182, etc. Pgm 2 (BV-Y)
- 670 ALASKA, Dillingham-KDLG good o/KBOI w/Dillingham wx and announcements, after mx at 1506 on 12/20 (PM-Or)
- 693 USSR, Anadyr-11/29 1729, fair carrier KICY-850 and KNQM-780 both like locals only thing noted was Mayak IS after 4 years of trying, this is all that's been noted. (BV-Y)
- 700 ALASKA, Anchorage-KBYR fair w/690 sloop caught ID, into rr mx at 1423-12/20 (PM-Or)
- 702 JAPAN, Kitami/Hiroshima-JOKD/JOKB-12/2-1019 male and female w/EE lessons // 774 (BV-Y)
- 720 USSR, Yuzhno-Sakhalinsk-11/29-1518 EE pgm, think called Facts and Figures, 1530 mx in brief, poor signal noted 1648 RR talk, local like then (BV-Y)
- 750 ALASKA, Anchorage-KFQD w/spots o/o KXL at 1610 on 12/20, soon faded, in background (PM-Or)
- 783 UNID, Operatic singing noted 1053-12/15, naturally faded at the top of the hour, who might this be? (RT-Ca) (Probably N. Korea. PM)
- 792 AUSTRALIA, Brisbane-4QG-12/2-1446 BBC type play (BV-Y)
- 810 \*\*\* USSR, Vladivostok-12/2-1758 inst mx, male ancr 1759.50 F.S. IS, 1800 male and female ancrs in CC, familiar band mx. (BV-Y)
- 819 NORTH KOREA, Pyongyang-12/2 1600 pips male ancr noted w/great choir mx earlier (BV-Y)  
 UNID, 12/15-1139 as strong as WBAP, but poor mod w/Oriental operatic mx, Maybe Pyongyang. (GK-Ca)
- 828 t CHINA, Beijing-12/2-1428, male CC oriental type singing u/NHK-2 (BV-Y)  
 JAPAN, Osaka-JOBB-1017 12/15, noted w/Female in EE about JJ air lines, then man joined in to have conversation, followed by JJ talk (RT-Ca)
- NEW ZEALAND, Kaitaia/Whangarei-LYK/LYX-with Operatic Xmas mx at 0942-12/23. (PM-Or)
- 837 CHINA, Harbin-11/29-1658, male w/CC talk, 1700 pips, female and male ID, poor signal, then noted 12/2 w/pips 1500 u/JJ anthem, 1515 ID, following talk by male and female, exc. after JOCK s/off. (BV-Y)  
 UNID, vy weak talking 1108-12/15-oriental lang. (RT-Ca) (Japan? PM)
- 855 NORTH KOREA, Sangwon-12/2-1454 female in KK (BV-Y)
- 873 t CHINA, Various-12/2, 1225 female w/CC Opera singing u/NHK (BV-Y)  
 USSR, Mezen-12/1-1058, female w/RR talk-1058.45 silence, 1059.40 male ancr, 1100-mx sounder
- 882 AUSTRALIA, Brisbane-lBH, good w/Pop mx and into MacQuarie Nat. mx at 1000-on (BV-Y) 12/23. No sign of LYC. (PM-Or)
- 890 ALASKA, Adak-AFRTS w/rr mx w/het per 891 on 12/20-1332 (PM-Or)
- 891 JAPAN, Sendai-JOHK-12/2-1430, famous piano clas. pieces // 882 and 837 NHK 1 (BV-Y)
- 936 CHINA, Anhui PBS-Hefei-12/2-1453 female w/bunch of kids, all CC. (BV-Y)
- 954 JAPAN, Tokyo-JOKR 12/2 1451 male ancr w/JJ talk (BV-Y)
- 972 SOUTH KOREA, Dangjin-HLCA-12/2-1755, male and female ancrs, KK happy mood talk (BV-Y)  
 UNID, Oriental good 12/14-1423, HLCA poss. (GK-Ca)
- 1008 AUSTRALIA, Brisbane-4IP-12/2-rr mx 1200 male ancr w/4IP ment, more rr mx, good (BV-Y)  
 \*Also noted with hyped ancr and 4IP ID at 0945-12/23, fair (PM-Or)  
 USSR, Magadan-12/1-clas. mx 1128-male w/RR sounding talk, bet. mx (BV-Y)
- 1017 CHINA, Jilin PBS-Changchun-11/29 1638, male ancr w/slow talk again vy o/amplified audio (BV-Y)  
 JAPAN, Fukuoka-JOLB-12/1-male w/JJ talk prob. mx // NHK 2 (BV-Y)
- 1026 AUSTRALIA, MacKay-lMK 12/2-1157 male ancr ment. "mx next on lMK", rr mx followed (BV-Y)  
 \*Also noted with lMK ment. and rr mx at 0950-12/23 (PM-Or)

- 1026 t CHINA, Beijing-12/2-1506 female w/CC talk (BV-Y)  
 104h CHINA, Changzhou PBS-generally poor sigs 12/14-1339 and 1555-12/15 (GK-Ca)  
 \*Also noted 12/1 1217 kids singing then female ancr, audio seemed o/amplified (BV-Y)  
 NEW ZEALAND, Dunedin-42B-12/2, rr mx poor sigs // 1035-good (BV-Y)  
 1053 UNID, Oriental strong but rapid QSB 12/15-1147, likely Korea. (GK-Ca)  
 1098 MARSHALL ISLANDS, WSZO-Majuro-12/2-0746 male w/Native talk then EE 16 to 8 in the evening, EE MOR mx, 0750-male w/another EE TC, then native talk, Beatles rec. (BV-Y)  
 1170 SOUTH KOREA, Gimje-HLSR-12/2-1802 male w/KK talk, topping KJNP (BV-Y)  
 1188 JAPAN, JOKF-12/2-0636 female and male w/JJ talk, never noted this early before. (BV-Y)  
 SOUTH KOREA, Incheon-HLXK (FEBC), 12/2-1524, prob the station w "Oh Come All Ye Faithful" tune (BV-Y)  
 1206 CHINA, Yambian PRC hrd w/CC mx 12/14, 1348, faded up on the hour for slow time pips ID and short piece of March mx, then clear "Yon-Bin" anncr. and nx w/CM and YL, Also strong 12/15-1148 w/CM and YL. (GK-Ca)  
 \*Also noted 1144-12/15-earliest hrd w/KK talk-fair (RT-Ca)  
 1242 JAPAN, Tokyo-JOLF-12/2 noted w/talk and mx pgm all // 1413, 1440, even the spots // except at 1701 when diff comm. noted on each freq, back to net 1702.30, w/jingle sounded like "All Night People" but sig faded at that time. (BV-Y)  
 1305 SOUTH KOREA, Uljin-HLSV-KBS 12/2-1523 fair signal w/male talk // 1467 (BV-Y)  
 1314 AUSTRALIA, Wollongong-2WL-12/2, rr mx 1219, male w/2 W L ID, just topping JOUF briefly (BV-Y)  
 CHINA, Chongqing-Radio Peking-12/1 1132 male w/RR talk (BV-Y)  
 1332 JAPAN, Nagoya-JOSF-12/2 1219-two males in JJ (BV-Y)  
 1377 UNID, breaking thru 12/15-1132, unable to tell lang. (GK-Ca)  
 1413 t JAPAN, Fukuoka-JOIF-perhaps the station w/all night pgm // 1413, 1243 seemed to be about Switzerland 1704, then inst. Around the World. (BV-Y)  
 1440 t JAPAN, Sapporo-JOWF-also // 1413 at 1243-12/2 (BV-Y)  
 1458 USSR, 12/2-1650 exc. sig for hrs this AM // 1521, 182, etc. Pgm 2 (BV-Y)  
 1467 SOUTH KOREA, Mogpo-HLKN-12/1 1200 pips, male ancr (BV-Y)  
 1485 UNID, 12/2-1207 band mx, Western style, noted 1215, opera type mx, ho // found (BV-Y)  
 1521 USSR, 12/2-clas. mx // 182, 236, etc. pgm 2-good (BV-Y)  
 1548 AUSTRALIA, Emerald-4QD-fair w/wx at 0858-into ABC mx at 0900, some KVAN-1550 slop at times on 12/19 (PM-Or)  
 \*Also noted 12/2-1213 male w/mx (BV-Y)  
 CHINA, Shantung PBS-12/2-1521 male and female ancrs w/CC talk, fair (BV-Y)  
 1566 SOUTH KOREA, Jeju-HLAZ-1028-12/15, earliest hrd, good in passing (RT-Ca)  
 1575 AUSTRALIA, Wollongong-200- Hrd w/ Two Double O ID, into rr mx at 0847-12/23 (PM-Or)  
 THAILAND, Ban Pachi-VOA-12/2-1646, YL ancr w/talk "Australia, America, Czechoslovakia, ment. Talk not EE, Bengal listed-1648 band mx, then YL again, Fair signal (BV-Y)

VERIES:

- 1566 SOUTH KOREA, Cheju-DO HLAZ sent card and nice letter for report on 10/26, v/s Jack C. Lentz, says they beam North. (GK-Ca)

THANKS TO THESE REPORTERS:

- GK-Ca Glen Kippel-3394-A G. Street-Merced, Ca. 95340  
 SMM-Ca Steve Mittman-2248 West 37th Street-San Pedro, Ca. 90732  
 Realistic TRF, 3 ft wedge loop  
 RT-Ca Rich Toebe-556 Santander Drive-San Ramon, Ca. 94583  
 Grundig 3400-Radio West Loop  
 BV-Y Brian Vernon-General Del.-Elsa, Yukon, CANADA  
 DX300, FRG-7000, 5 Beverages  
 HW-Ca Robert Wein-1309 Dentwood-San Jose, Ca 95118  
 GE TRF Portable, ca 1962, SM-2 loop  
 PA-Or Yer Editor  
 RBO2 (EH Scott) receiver, 600 ft longwire NE/SW, ground system

Western DX Roundup, continued from page 5)

- 1610 TIS WA, Mount Rainier was hrd 12/20 0738 w/info on Nisqually Glacier & Paradise. Signal was very good at times. (BB-OR)  
 UNID's:  
 535 UNID pirate here every night from about 2200 on. It relays K3ON-92.3 and old radio plays. Signals are fair to good and loops N/S from here.  
 790 12/14 0422 unID talk show in KQHL null, sounded like (BB-OR)  
 Larry King, w/KABC OC. KQMI? (RW-CA)  
 890 KBYE? Either KBYE DX test or WLS ET noted w/TT 12/21 0312. Didn't wait for ID. (bp-WA)  
 Only four reporters to WDXR this week? Everyone must be DX'ing! ♥



# DX WW II

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I hope the holidays brought you lots of good DX and other things as well. Meanwhile, the changes and additions go on, so let's take a look:

## TRANS-ATLANTIC

ALBANIA - Radio Tirana FS is on four freqs. All pgms. a half-hour unless otherwise indicated. 1215kHz Turkish 0300; AA 0330, 1900; Albanian 0400-0500, 0600-0700; Serbo-Croat (S/C) 0500, 1230, 1600, 2000; Ital. 0530, 1500, 1800; Bulgarian 1200, 1700; Greek 1300, 1630. 1395kHz Bulg. 0400, 1530; GG 0500, 1800; Polish 0530, 2130; Czech 0600, 1900; Romanian 1330 (unconf.), 1430, 1700; RR 1500, 1730, 1830; PP 1930; EE 2030, 2200; FF 2100, 2230; SS 2300-2400. 1458kHz Greek 0430, 1430; Albanian 1300-1400; S/C 1400; Hung. 1730; GG 2030, 2200; Bulg. 2100; Ital. 2130; Czech 2230; PP 2300-2400. 1089kHz Hung. 2200; Ital. 2230.

ALGERIA is staying on GMT+1 throughout the year (BBCMS/ARC 12/4/81) / (BBCMS 12/3/81)

BELGIUM - BRT-1512 600kw is due on 1/1/82. Will be used for FS (EE, SS, PP, Dutch). The joint Dutch/Belgian 500kw LW venture has been scrapped. (SCDX 10/11)

CEUTA - Radio Ceuta-990 EAJ46, is ex-1602 (ARC 12/4)

CZECHOSLOVAKIA - Kosice-702 is now reportedly 400kw. Karlovy Vary-900, about 7kw, has Western Bohemia regional programs and relays Prague 1325-1500. (Bohemia that is - PT)

FRANCE - Radio Sud, ex-Andorra, is reportedly here on 1160kHz.

GERMANY (DDR) - RBI-1359 has FF 1730-1745, and these 45min. pgms.: Swedish 1745; FF 1830, 2300; EE 1915, 2215; Ital. 2000, 2130; Danish 2045 (BBC 12/3)/ Nauen-1323 is now on til 0400 with RMWS (ARC 12/4, via SCDX 11/3)

IRAQ - "Voice of the Masses" domestic svc. is on 692 909 1035 1116 1197 with 0230 s/on. Radio Baghdad Main Pgm. is on 603 630 756 with 0230 s/on, and also 558 1080. 558, 1080, & 1116 are also in use in Iran.

PORTUGAL - Radio Renascenca is now on 594/100kw, ex 1287kHz. XR: Muges. Started 10/13. (SCDX 11/18).

ROMANIA - Radio Bucharest carries "Tourism and Music" on 756kHz in GG/EE/FF/II 2130-2200 (SCDX 11/10)

SIERRA LEONE - SLBC-1205 is on 0558-1030, 1155-0005 (Sun. 0558-0005) and carries BBCMS 0700-0710, 0730-0735, 1300-1310, and other EE pgms. 0630-0700 (partial), 1400-1415 and 1500-1515 (both ex. Sa/Su), 2000-2100 (only to 2030 Sa/Su), 2200-2215 (BBCMS 12/3)

SPAIN - EAJ25-1341 R.Tarrasa is ex-1485. R.Peninsular de Barcelona being heard on 1413kHz in Italy. EFJ45-1467 is ex-1107. EFE19-1539 is ex-1413. R.Motril-1602, new, and EFJ61-1605, RJ de Moron (s/off 2000) - both previously FM only. (ARC 12/4)

SWAZILAND - TWR-1170 50kw is on 1700-2000 in EE; other languages soon. (SX 12/81)

USSR - Yerevan-1350 is only 150kw. Moscow-1359 is in Chalovskaya. Moscow-1395-5kw is irregular, possibly a jammer; Moscow-1521-1kw jammer. Previously unIDs are Simferopol-1395, Uneck, Bryansk-1449-5kw; Belgorod-1503. Kharkov-1485 is 1kw. Yerevan-1521 is 1kw. (ARC 12/4)

## TRANS-PACIFIC

AUSTRALIA - 2LF-1359 Young NSW req.1350 5kwDA. 4HI-1143 Emerald, Qld. began 11/30, 5kwDA. All commercial stns. in WRTH listed as 2/1kw are now 2kw fulltime. Proposals have been made for realignment of the ABC networks. Translators are the up and coming thing. These are on: 6KA-765 Tom Price, Pbudo; 2BE-765 Broulee; 4GC-1170 Charters Towers; 4CD-927 Biloela; 2KA-1476 Emu Plains; and 2EA-1584/1485 Newcastle/Wollongong. Radio for the Print Handicapped is planning 2RPH-1750 S/T with VL2U Sydney; 3RPH-1705 Melbourne; 4RPH-1760 Brisbane; and 7RPH-1750-500w Hobart. (SX 8, 12/81)

BANGLADESH - new 558 outlet is on (FERC 11/81) (Listed as Khulna 100kw in EBU - PVT)

CHINA - UNID-684 noted with FF/CC lessons in NZ (NZDXT 11/81). Radio Peking FS noted on 1314 (ARC 11/20) (Don't know if Guangzhou has moved from 1341, or what - PVT)

COOK ISLANDS - ZK1ZC-630 will cut from 10 to 5kw in March 1982 when current power-hungry XR is replaced by solid state equipment (NZDXT 11/81)

GUAM KATB-570 is now KGUM-567; 24h; "K-57." Box GM, Agana 96910 (FERC 11/81). KUAM-610 is now on 612 (also FERC 11/81) and KTWG-800 is now on 801 2000-1400 (SX 12/81).

KOREA, N. (DPR) - "Voice of the Reunification of Korea" noted in Aust. on 1052kHz (SX 12/81)

KOREA, S. (ROK) - KBS schedule 11/81: JJ on 891/1449 1500-1600. 1170kHz carries Mandarin 2130-2200, 1330-1400; KK 1000-1100; JJ 1100-1300, EE 1300-1330.

MONGOLIA - R.Ulan Bator now using 1233kHz, s/off 1457, //882 1395 4080. (FERC 11/81)

NAURU - NBS still 130w on 1323, but expecting 250-500w power "soon." (SX 8/81)

NEPAL - Two 100kw XRs (Kathmandu; Pokhra valley) will be installed by Japanese mfrs. during the next 15 months; MW coverage of Nepal will then be 55% (BBC 12/3)

NEW ZEALAND - New RNZ outlet : 2YP-1530 Teranaki. Also, the NZRDXL now considers the BCB 525-1800kHz (NZDXT 11/81)

PHILIPPINES - DWEE-1494 changed to DWXY "R.Filipino." (Verie for HK reception - PT). FERC is now hearing a DWJC on 1494; could be another change. (PT) DXSS-900 Davao now DXRR (SX 12/81)

SAMOA, WESTERN - 2AP-540 logged in NZ (NZDXT 11/81). WRTH lists 1kw relays planned; can't tell if this is a new relay or a frequency change. Listed as Apia in SX 11/81. (PT)

TAIWAN - ICRT-1550 has finally moved to 1548 (FERC 11/81)

TUVALU - UNID "island" music noted in Australia on 621; new Tuvalu 1TU freq? (SX 11/81)

USSR - Radio Moscow FE service schedules as monitored in Japan: 630 Khabarovsk 0900-1400 (KK 0900-0930; RMWS 0930-1400). 720 Yuzhno-Sakhalinsk 0930-1600 (JJ 0930-1200, 1400-1500; RMWS 1300-1400, 1500-1600; domestic M2 service 1630-0830.) 1251 Vladivostok 0930-0900 (JJ 0930-1300, 1400-1500; RMWS 1300-1400, 1500-1600; P&P 1600-0900). 1476 Vladivostok 0830-2030 (CC 0830-0930, 1200-1330, 1400-1430, 1500-1730, 1800-1930, 2000-2030; KK 0900-1200, 1330-1400; P&P/CC 1430-1500, 1730-1800, 1930-2000 (P&P= Peace & Progress). (FERC 10/81). "Hong Qi Guangpo Dientai" is a Soviet based clandestine operation; it is on 995kHz and is back on the air with increased power (ARC 12/4; note Pat Martin)

## WESTERN HEMISPHERE

ARGENTINA - LV23-800 is 5kw, ex-1480 (ARC 11/20)

CUBA - RMWS is on 600kHz 0400-0500, 1100-1400. RM NA svc. is on 2300-0400. It also carries Radio Havana's "Voz de Cuba" in SS 0500-2200. The EE "Voice of Cuba" is on 550kHz 0500-1000. (BBC 11/12). Radio Cadena Habana (1120, 1160, & reportedly 1140) relays R.Liberacion news at 0000 as does another UNID on 1190 (SWNS 11/81).

DOMINICA - GBC-1060, destroyed by fire in May, is back on w/10kw 0900-0300. Reports go to PD JERRY Vreeman, Gospel B.C., Box 424, Holland MI 49423 (ARC 11/20)

GUATEMALA - Rumbos (listed on 1210) harmonic being heard on 2400, indicating a primary fq. of 1200 (SWNS 11/81). Emisoras Unidas (key stn. TGR7-670, R.Fabulosa) reports these outlets are // 1130-0600: TGRC-600, TGXL-710, TGHF-740, TGJL-930, TGRV-960, TGVR-1135, TGCO-1490. Slogans/freqs. as per WRTH (BBC 11/26). LV de Guatemala now 640//1000. TGZ-1090 is now R.Mil Noventa, ex-R.Cadena Popular (ARC 11/20; TGZ heard in Fla. 11/81 - PVT)

HONDURAS - R.Americana is key stn. of the Audio Video Network, with relay stns. in San Pedro Sula, Siguatepeque, La Ceiba, Santa Rosa de Capan, Choluteca & Juticalpa, and operates from the "most powerful XR in Tegucigalpa" on 610kHz. (BBC 12/3) HRWV-1190 San Pedro Sula is R.Metropolitana, ex-R.Eco (ARC 11/20).

PANAMA - R.La Exitosa-800 Chitre' now 10kw. HOF-965' closed down in June. R.La Exitosa now on in Panama City, 1120kHz (ARC 11/20)

PUERTO RICO - WGD1-1510 Lares 1kw U1, CP. WENA-1570 granted WPPC. WGFE-1580 Morovis, CP, 1kw U3. WLUZ-1600 granted 5kw U3. (ARC 11/20)

That cleans my clock for this time except for a massive number of Brazilian changes and a new Radio Moscow schedule. Grenada has been logged on 990 by some HRCers. Oops, a couple of others from BBC 12/10:

IRAN - VIRI has inaugurated service at a complex 25km W of Mashhad on 540 and 684kHz, 4 XRs, 1-50kw, 3-100kw.

ISRAEL - The "Voice of Peace" is closing as of 1/1/82 unless it can get permission to transmit from a land base (Previous closing date was 12/1 - PT).

Sources: Far East Radio Club; Sweden Calling DXers; Arctic Radio Club; Short Wave News Service; NZ DX Times; Southern Cross DX Post; BBC Monitoring Service.

On hand are lists of Irish and Italian local commercial (private) stations, and of all UK stations, including the BBC & private commercial stations. I'll get going on these after the holidays.

We're still in a backlog situation, so here goes !

## TRANS-ATLANTIC

AFGHANISTAN - 1 megawatt stn. being installed by the Russians. (BBC 10/15)

ALGERIA - External service: EE 2000-2030 on 251/1304+SW; SS 2030-2100. "Voice of the Chitean Resistance" is on 1422+SW 0005-0035 in SS. (SCDX 8/4). El Oued-783 20kw is on the air in AA (ARC 10/23).

ANDORRA - Stations nationalized. Radio Andorra-702 is supposedly back on now. Sud Radio-819 is off, but its programming has been reported on 1160kHz (SCDX 10/13).

ANGOLA - Luanda-1089 external service has FF/EE 2200-2300. (SCDX 9/29)

AUSTRIA - ORF-1 (520/585/1026/1476) on 0500-2200 Mon; 0500-2205 Tu,W,F; 0500-2305 Th/Sa; 0500-0100 Su. ORF Regional (520/630/774/891/1026/1053/1125/1476/1485) on 0400-2130 (0400-2305 Sa, 0500-2130 Su). 585kHz is fulltime ORF1; all the others carry other programming from time to time (BBC 9/24)

BOTSWANA - Orapa-621 50kw is on with VOA 0300-0430, 1730-2200 in EE, and Radio Botswana programming 0440-1730 (SCDX 9/15).

BULGARIA - Vidun-576 is 100kw, not 500kw (ARC 10/23). "Khorizont" program (594 747 774+ 963 1017 1143 1161 1224\* 1377+) are all 24h (+ some regional pgms.; \*some external pgms.) "Khristo Botev" program (576 648+ 828 864+ 873+ 945 1143 1296+) are on 0400-2200. "Znanie" program is on 774kHz 0800-0945 & 1200-1345 during school term. Turkish program is on 1296/1377 0400-0500, 1000-1100, 1700-1830 (BBC 9/24)

CHAD - RNT N'djamena is on 840/1170 0600-2000, and Sarh-720 1700-?? (SCDX 10/20).

CYPRUS - CBC Nicosia-603 has EE for UN forces 1130-1200 some days (for Canadians on Tuesdays, for Irish on Thursdays.) Swedish Wed. 1915-1945. Other EE/Turkish/Armenian/Arabic pgms. also broadcast (BBC 10/15). BBC Zyyi-1323 is now 200kw (ARC 10/9). Bayrak Radio's 50kw Marconi XR has been hung up at customs for a year, and is apparently being auctioned off for lack of payment (BBCMS 11/19).

CZECHOSLOVAKIA - Kosice 4 on 603kHz relays Bratislava but has some regional pgms; 1kw. On 1521, only 600kw Kosice is left; the others moved, mostly to 1233 (ARC 10/9).

EGYPT - Radio Cairo Hebrew svc. on 1107 (1100-1400) and 621 (1400-1600). (BBC 10/29).

FAROE IS. A new 200kw TWR XR is being installed here, presumably on MW; it will be shared with Utevarp Foroya. Initial tests will be with 50kw. (ARC 10/23)

FINLAND. Turku-963 has EE 2130-2200 as of 11/1. (BBC 10/29) (This was also carried on 558kHz during DST -- PT)

GERMANY (FRG). SFB1-567 is on 0444-2325 (0450-2325 Sa, 0500-2315 Su) plus 630kHz from 1300-1700 Sa/Su; XRs also carry ARD Night Program so are 24h. SFB2-1449 is on 0400-2305 Tu-Sat, 0500-2305 Su, 0400-2130 Mon, 630kHz also used 0500-0800; and 1200-1700 ex Sa/Su. (BBC 10/22). SWF-1 (666/828/1017/1485) is on 0430-2205 (MTuFsa), 0430-2305(WTh), 0500-2300 (Su) + "ARD Night Pgm." all night. HR-1 (594kHz) 0330-2130 (WTh), 0330-0205(MTuF), 0330-2305(Sa) and 0500-0330(Su) + "ARD Night Pgm." RIAS-1 (hours unclear; seems to be off only 0315-0325 M-F) in on 990kHz, plus 684 from 0700-1700. RIAS-2 is on 855kHz from 0750-0900, 1345-2330 M-Th; 1750-0900, 1345-2235 Fri., 0930-1030, 1345-2330 Sat. and 0700-2330 Sun. (BBC 9/10). Saarland Radio-1422 is on 0405-2305 (0405-2115 Sa, 0500-2305 Su) + "ARD Night Pgm." (BBC 9/17)

GREECE - ERT1-729 is on 0350-2305 (0430-2305 Su). This is also on VOA-1260 0900-0930 Sat/Sun only; 0930-1200, 2200-2230; and on VOA-792 0815-1030 Sun. only, plus 1030-1315, 1500-1700, 2000-2030, 2130-2230. ERT2-1386 is on 0455-2300. ERT3-666 "serious music program" also carries "Night Program" 2300-0400. Regional stns. as per WRTVH. Their hours are: 1044 0355-2305; 1512 1494 1008 927 1404 and both 1485 stns. on 0350-2305. (Amalias-1562 not listed by source; Patras-1485 listed as .25 kw, not 5kw--PT). YENED-981 0345-2400 (0100). (BBC 10/8)

GREENLAND - Angmagssalik-1100 is reportedly out of service (ARC 8/28)

HUNGARY - Radio 1 (Kossuth) covers 86% of the country, but Radio 2 (Petofi) only 42%... so a high powered MW station will be built in Marcali by 1986 to correct this (BBC 10/29). New Kossuth relay on 1116, ex-1593, from Miskolc & Mosonmagyarovar (ARC 10/9, 23)

ICELAND - 64% of adult Icelanders and 70% of Reykjavikers are for abolishing state broadcast monopoly and in favor of British IBA-like system (SCDX 10/13). Utvarp Reykjavik (666/738/1413/1485/1511) is on 0700-2400; 1700-0100 Sat., 0800-2400 Sun.(BBC 9/17).

INDIA - AIR plans 1kw "District" stations. (BBC 11/19)

IRAN - VIRI-985 Shiraz off 2030-0230 to economize on spare parts, save power(400kw). NI0C-1158v-1160 Abadan carries both local and VIRI pgms. in AA, Persian. UNID-1550v-1555 "Voice of the Islamic Rev. in Iraq" on 1700-1900. (ARC 10/9). UNID, new outlet, 990 (ARC 10/23) (Shiraz from 9857 - PT). Recent observations, regional stns.: Sanandaj-1314, Tabriz-1152, Ahvaz-1125, Kermanshah-985v987, Urumiyeh-935, Shiraz-837, Qazvin-558 (some city changes from WRTVH). These have local pgms., but relay Tehran news at 1630; this is also heard on 580 702 1332 1435. (BBC 9/24). VIRI has Kurdish on 558/639 1230-1630, and 639 alone, 1730-1830; wants listener reports to Box 98200, Tehran. (BBC 11/19). VIRI-684 Mashhad now carries 90 min. of pgmg. daily for the 1.5 million Afghan refugees in Iran. Esfahan XRs inaugurated 11/19; 1st pgm. on 1467 (100kw); 2nd pgm. on 1593 (50kw). (BBC 11/26).

IRAQ - Radio Baghdad carries its "Voice of Arab Syria" service 1800-2000 on 1035kHz, with brief EE news summary after the AA summary, 1950 (SCDX 10/13). Radio Baghdad is using 1080kHz on land captured from Iran, near Abadan. (SCDX 10/20). Service to Iran in Persian on 1197kHz 1600-2200 (BBC 11/12).

IRELAND - There are now 40+ low power commercial stations operating (ARC, various). RTE-1 (Tullamore-567, Cork-1188) EE 0630-0002 (rare headlines in Gaelic). "Radio Na Gaeltachta" (Connemara-540, Corca Dhuibhne-828, Tir Chonail-963) 1100-1330, 1730-2030 (Sun. 1050-1230, 1500-2030) - in Gaelic (we presume local pgmg. during other hours--PT). RTE2 (Athlone-612, Cork-1188 from 0002-0150 only, Dublin-1278: 0630-0150 in EE & Gaelic. Cork Local Radio-1188 0630-0150 (local 1207-0130; RTE1 or 2 other times). (BBC 9/3)

**ISRAEL** - Voice of Israel. Network A (classical music/cultural pgms.) on Qadima-576-200kw, Jerusalem-1170-1kw, Eilat-1458-1kw, 0358-2310 (Sat. 0458-2310. Network B (news and current affairs) 0358-2310 (Sat. 0458-2310) on Yavne-657-200kw, Jerusalem-711-1kw, Zefat-846-5kw, Bet Hillel-882-1kw, Eilat-927-1kw, 'Akko-1206-10kw. Network C (popular music) on Jerusalem-531-200kw 0358-2310(0458-2310). Network D (Arab service) is on 0400-2215 (to 2300 during Ramadan) on Jerusalem-675-10kw, and Tel Aviv, 738-1200kw & 1026-50kw. All AA except EE news 0500-0515, 1200-1230, 1500-1505, 1800-1815; FF news 0515-0530, 1230-1300, 1505-1510, 1815-1830; Persian 1840-1900. Israel Defence Forces on 756/1224/1287/1305/1368/1404 24h (1404 is 20kw). (ARC 10/9). Yamit-1440 is off the air. Voice of Peace-1539 may get permission to move ashore. If not, it will go off the air (by 12/1) because of the high seas' danger to the crew (ARC 10/9).

**ITALY** - There are now more than 15 significant low power commercial stations operating (ARC). "Notturmo Italiano" has EENX 2403-0103-0202-0303-0403 following the Italian news; on the half hour, it is French and then GG between 2330-0436. (On 846,900kHz.) (PT)

**LEBANON** - Not counting Radio Lebanon and the Voice of Palestine, these are currently operating stations: Radio Free Lebanon-1476v; Radio Free & Unified Lebanon-1500 from Ihdin; Voice of Arab Lebanon-932v930; Voice of Arab Revolution-1184; Voice of Hope-945; Voice of Lebanon-866 (SCDX 9/1). New station, 584kHz, 5kw; no details (ARC 10/9). "Voice of Palestine, Voice of the Palestine Revolution" is on 1260//1150 (it announces 1160). (BBCS 11/12) (And drifts at least up to 1184 - PT).

**LIBERIA** - ELBS-630 now running about 1kw due to lack of maintenance, parts (SCDX 10/6)

**LIBYA** - SPLABC "Radio of the Voice of the Arab Homeland" on 711/827/1125/1251/1448v from 1745-0400, and 675kHz 0000-0400. Main pgm. is on 711/1125/1251/1448v 0500-1745, and on 675/827/1052/1601/1395/1485 form 0500-2350. New local fgn. language service, Radio Jamahiriyah, 1590kHz, is FF 1500-1700, EE 1700-1900, Italian 1900-2100 (not all this is confirmed.) "Radio of the Holy Koran" is on 1402v. (BBC 10/29). 1590kHz carries FF 1410-1600, EE 1600-1830, Italian 1830-2030 (SCDX 10/6)(I don't know which is the more current-PT).

**MALTA** 999kHz is 5kw, not 20kw (ARC 8/28). Latest DW-1557 sked: AA 0415-0550; Turkish 0600-0650; AA 1100-1150; GG 1400-1800; AA 1900-2035; Mahgribi 2045-2120 (BBC 11/12).

**MAURITIUS** - Port Louis-684 has EE NX 0400-0415, BBCWS NX 1800-1810, FF NX 0330-0350, 0600-0603; 0800-0810 Sat.; 0830-0840 M-F; 1500-1520. Indian languages pgmg. 0202-0300, 1030-1430; Chinese languages pgmg. 0900-1030 Sun., 0930-1030 Tue & Thu. (BBC 11/19)

**MOROCCO** - Stations currently operating:

209 Azilal (24h)	774 A Agadir 2	1017 A Tanger 2	1197 B Agadir 3
540 A Sidi Bennour	819 E Rabat	1026 A Rabat 2	1233 E Tanger 3
594 A Oujda 2	828 A Oujda 1	1044 A Sebbaa-Aioun 2	1296 B Rabat 3
612 E Sebbaa Aioun 1	864 D Rachidia	1053 C Tetouan	1323 A Safi 2
657 A Laayoune	909 D Safi 1	1080 D Casablanca 1	1485 D Casablanca 3
675 ? Tan Tan 20kw	936 C Agadir 1	1116 C Ourzazate	1493 B Marrakech 3
702 B Sebbaa Aioun 3	972 D Marrakech 1	1116 B Tanger 1	Hours: A 0600-0100; B 0600-
711 ? Tarfaya 10kw	999 B Dakhla	1152 A Marrakech 2	2400; C 0500-2400; D 0500-
		1188 A Casablanca 2	0100; E 0500-0300(ARC 10/9)

**NORWAY** - Trondheim Univ. student union used Stavanger-1314 facilities after 2310 s/off 10/23-11/15 to about 0100. Bergen Univ. wants to do the same thing in March '82(SCDX 10/13)

**OMAN** - Seeb-1272 20kw has EE 0900-1100//11890. Eventually, it will be all EE (ARC 10/23)

**POLAND** - Radio 1 (227, 2MW) is 24h. Radio 2 (200/738/819/1080/1206/1305/1368/1395/1485 1584/1602) is on 0457-2300 (0527-2300 Sun.) (BBC 10/15). Radio Polonia-1503 carries the following, all ½ hour unless otherwise indicated: SS 0400-0500; Esperanto 0500, 2130; GG 0530, 1200, 1730, and 1830-1930; Polish for Poles Abroad 0600-0800, 1830-1930; Swedish 1130 1500 1600 1800 2100; FF 1230 1400, and 2000-2100; Danish 1430 1530 1930;

Finnish 2000; Italian 2200; EE 2230. It also carries "Concert Europe" 2303-2400 // 738/1206/1260. ("Polish for Poles Abroad" is on 2303-2400 on 819/1080/1305.) (No programs are listed for 1503kHz from 0800-1130; presumed to be domestic - PT) (BBC 11/26)

**PORTUGAL** - Emissora de Beiras is on 1431, ex-1460; s/on 0557 (SCDX 9/29). New station in Guarda reported on 1431 by EBU (not R.Altitude-1495) (ARC 10/9)

**QATAR** - AA on 675 0345-2400//954. EE is on 1233 1500-1900 (ARC 9/11)

**ROMANIA** - Petrosani-531 has moved to 529 (ARC 10/9)

**SAUDI ARABIA** - Jeddah-1485 carries FF 0500-0700, 1500-1700; EE 1100-1300, 1700-2100(ARC/ 10/9)  
**SPAIN** - EAK91-1134 now RP de Aviles (ex-Asturias). EAK33-1224 RP de Vigo, now 5kw. EAK78-1224 RP de Castellon (ex-La Plana). EAJ6-1584 R.Navarra (ex-R. Requete'.) New Cartagena (Murcia) SER station here. (ARC 9/25). EAJ20-882 R. Sabadell ex-1602 (ARC 10/23)

**SUDAN** - General Pgm. is on 764/960/SW. Apparently 960 is used only until 1400, and for FF 1530-1545, EE 1545-1600 (SCDX 9/15). Only 1295 is in service, with varying s/on times between 1500-1530 (BBC 10/29). Soba-764 has finally moved to 765 (ARC 10/23).

**SWAZILAND** - SBS Mbabane-882 is on from 0255-1315, 1500-2300 weekdays and 0255-2100 on weekends. EE program preview 0300; 10 min. EE nx 0400, 0500, 1600, 1900; BBCWS nx 1100. Other pgms. in EE and Siswati (BBC 11/19).

SWEDEN - Horby-1179 half-hour programs: EE 1600, 1830, 2300, and on Sat/Sun only, 2100; GG 1630, 2000; FF 1800, 2030; RR 1930, 2200; PP 1730; SS 2230. Carries domestic P1 pgm. 1700-1730, and on M-F only, 2100-2130. Sked good til 3/6/82. (Radio Sweden)

SYRIA - Tartus-1071 noted on 1068 (ARC 10/23)

TANZANIA - Dar es Salaam still on 656. (SX 10/81). Dar es Salaam noted on 531//1215. GP has it as 100kw, DA-270° days, ND nights (FERC 11/81 & GP).

TURKEY - TRT1 630/891/927/1017/1062 0200-2200, and on 702/945 from 1600-2200. TRT2 702/954 0400-1600, some of which is a relay of TRT1. Locals as per WRTVH except that Gaziantep is reported on 1211kHz (BBC 10/1).

USSR - Radio Vilnius 1st Pgm. is on 1557 (in part) and 666; 2nd pgm. on 1557 (in part) and 1107. (BBC 10/22). Kaliningrad-1116 s/on 0340 (BBC 10/29). Orenburg-540 has moved to 272kHz LW. New Mayak XR 729kHz in N. or Central Euro. USSR being heard regularly around 0200. Kaliningrad-1143 has dropped Mayak, and K'grad.-1386 is on 0100-2400. (ARC 10/9). Minsk-1197 noted on 1195 (ARC 10/23). RMWS is now on 1494 2100-2300 (to 2200 Fridays); on 1386 and 1143 2200-0100 (and on 1323-GDR 2200-0400). (BBC 10/8). RM EE svc. to Gt. Britain on 1143 1900-2000 (BBC 9/10). Kazakh Radio, Alma Ata, in Kazakh/RR/and some GG 2358-2000. 1st pgm. 747\* 783\* 981\* 999 1224\* 1503\* (\*some regional pgms). Extensive relaying of Radio Orbita-4. 2nd pgm. on 1098 2358-1800. 3rd pgm., 1341, no details. (BBC 9/24). Archangelsk Oblast-918 is local 1500-1530, 0315-0325, 0415-0425, and Mayak the rest of the time (BBC 11/12). Khanty-Mansiysk-1152, Tyumen-891, Salekhard-603, all RFSFR, some local pgmg., rest Orbita-4; sked 0000-2000 (BBC 11/19).

UNITED ARAB EMIRATES - Al Fujairah-972's 100kw XR is under constructions (ARC 10/23)

UNITED STATES - Guesses are that Radio Marti will use 1040kHz, since the VOA was here from the Fla. keys in the 60s (SWNS 11/81)

VATICAN - Second pgm. is now on 1611, ex-1260. Various RR dialects 1300-1830, and Scandinavian pgmg. 1815 MWF. Occasionally it is //1530 (SX 10/81, SCDX 8/24).

YUGOSLAVIA - Skopje 1 (810) is 24h, off Sun. 2300-Mon. 0400. Skopje 2 (1314) is now 0400-0100 (0400-2300 Sun). (BBC 10/29). Srbac-900 .1kw opened 7/1/81; 0800-1500 (ARC 10/9). Tanjug-612 R. Sarajevo is 24h experimentally Fri-Sun as of 10/3 (BBC 10/8).

INTERNATIONAL WATERS - Paradise Radio, off Dutch coast at Scheveningen, on S/S Magda Maria, testing on 1107 in July. Dutch marines seized the ship; no further word (SCDX 8/18). Radio Caroline is on M/V Imagine (formerly the John Stone). Supposedly began on 582 kHz 9/1 with 50kw, 24h. (SCDX 9/1). Radio Paradise is off Katwijk. Eventual freqs. will be 1125/1404 if the ship is released. (ARC 8/28).

OK, we're current. However, a TP just in, worth mentioning. 2AP-540 Apia is on the air but the sources don't say if this is one of the 1kw relays or is a replacement for one of the existing stations. Tune in next time and find out ! Happy Holidays from Kristine, me, and I'll John (8 wks., 15 lbs.); his voice changed yesterday...)

#### It's All in the Timing

I don't doubt that a listener in Japan recently heard KGO (ADWEEK, Nov. 2, 1981) but surely not "between 7:17 and 7:56 pm Pacific Time." That's the middle of the day in Japan (specifically 11:17-11:58 am), and broadcast-band signals require a complete path of darkness between transmitter and receiver to propagate over long distances.

Most likely the times quoted were actually JST, since 7:17 pm there is 2:17 am here, and the great-circle path between the two points is indeed in complete darkness.

Incidentally, that kind of reception isn't especially remarkable or unusual, nor is its reciprocal. During the fall and spring months, anyone in the Bay area with a radio capable of good sensitivity and selectivity can pick up some of the more powerful Japanese stations — most notably the ones on 747 and 774 kHz — during the early morning hours until sunrise. It doesn't take a fancy antenna, either.

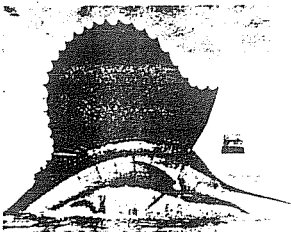
ROBERT J. HILL  
Raychem Corp.  
Menlo Park

Right: New York Post 12/23/81 via Karl Zuk. Above: via Pete Taylor.

CARRETERA TRANSPENINSULAR N.M.S.  
LA PAZ, BAJA CALIF. MEXICO

**XEHZ**

1000 WATTS



# Cuba calling all comrades

LATE-NIGHT radio listeners in the Metropolitan Area can now tune in Radio Havana, loud and clear at 1160 on the AM dial.

For the first time, English-language programming from the Cuban station is on a frequency that is open and audible throughout the East.

Cuba has been broadcasting in English to America for the last two years, but using two frequencies crowded with U.S. stations, making

reception difficult.

But the English programming has now been moved to 1160, making it easy to hear on car radios and good home radios.

The only other station on 1160 at night in the United States and Canada is KSL in Salt Lake City, which is weak or inaudible in the East.

The Cuban station offers English-language Radio Moscow programming in the hours just after midnight, followed by English-language

programming from Radio Havana.

During one broadcast yesterday, news of the world was given on the hour, followed by a commentary on the efforts of revolutionaries to topple the Guatemalan government.

There was also a contest with listeners invited to write in on the topic "The United States and its relations with Latin America over the years." The station said the winner will get a trip to Havana.





## A Comparison of the "Shotgun" and "Select-a-Tenna" Loop Antennas

by Randy Tomer

Although the "Shotgun" passive tuneable loop antenna (available from Radio West; I believe it's \$30 in the new catalog) is reasonably well known among DXers who listen on portable radios, there is another passive loop known as the "Select-a-Tenna". This has been available from Edmund Scientific for \$34.95, but can now be mail ordered from U.S. General Supply Corp., 100 Commercial St., Plainview, NY 11803 for \$19.80, catalog number 873-541W1980. They are a discount tool and hardware supplier whose catalog costs \$1.00.

What I like about the Select-a-Tenna is that it couples easily with just about any radio with an internal loop. It turns a cheapo 6-transistor pocket receiver into a real signal-inhaler with good selectivity. (This leads me to believe that in portable radios, the secret is to have a big, selective antenna, then everything else just falls into place.) The advantage of the Radio West Shotgun is that once it's stuck on top of a Realistic TRF or Panasonic, it not only couples well, but the radio and antenna rotate and null together perfectly. This is more difficult with the separately mounted Select-a-Tenna. The Shotgun has a much sharper peak than does the Select-a-tenna. This could be a disadvantage for, say, listening to clear channels for the programming rather than DX'ing. My Shotgun has to be tuned slightly off frequency to get good audio response for program listening, otherwise higher pitched sounds are cut off. What I don't like about the Shotgun is that it must be stuck on a radio more or less permanently (to avoid being dropped) so you can't move it from one radio to another, and it doesn't conveniently couple with all radios. For instance with my GE TRF model 2870-A (predecessor to the Superadio), the Shotgun just doesn't seem to couple. Also, the Shotgun isn't all that practical with any smaller portable radio, due to its large size.

My assessment is that if you're using a Realistic TRF, GE Superadio, or Panasonic RF-series (or any other large portable with large built in loopstick) fairly continuously for DX listening, the Shotgun is the only way to go because of its higher "Q" and its ability to simultaneously peak and null with the receiver. However, for occasional use with just about any small radio made, I like the Select-a-Tenna. It's perfect for peaking that out-of-town talk show you like. So, the Shotgun for DX'ing, the Select-a-Tenna for long-haul listening.

One more Select-a-Tenna feature--it has an input jack for an external longwire--I didn't try it--but by running a piece of coax from this jack to the antenna input of a communications receiver, the Select-a-Tenna becomes a fair quality unamplified loop. Glue it to a Rubbermaid turntable and you have a budget loop that works.

\* \* \* \* \*

### News from Europe ---- courtesy of Ben Peters

---A new portable will be available in Europe in early 1982, the Philips AL 990. It covers LW, MW, FM and SW from 1.6 to 26.2 MHz. Digital display, variable BFO, S-meter, bass and treble controls, clock etc. etc. Selectivity is given for "wide" at -3 dB/-35 dB---3.5 kHz/9 kHz, and "narrow" at -3 dB/-45 dB--1.8 kHz/9 kHz. These figures are as given by the manufacturer, but it seems likely that they mean  $\pm 3.5$  kHz,  $\pm 9$  kHz etc. IF frequency is 468 kHz making selectivity modification difficult. What is of most interest to the MW DXer is the fact that for LW and MW the set uses a "Ferroceptor" rotatable ferrite loop antenna on top, which is defeatable when an external antenna is connected. There is also a removable rotating loop antenna for SW marine band. Direction finding is possible with a "calibrated ring" as part of the loop. Price is 525 guilders (about US\$330; perhaps it will be available in the U.S. through Philips dealers).

---The Yaesu FRG-7700 is being sold by Surrey Electronics, The Forge, Lucks Green, Cranleigh, Surrey GU6 7BG, England, in a modified version which features IF and AF line outputs. But the most interesting point for the DXer is a redesigned front end resulting in "improved noise figure and better overload levels" (third-order intercept is claimed to be -2 dBm

from the -21 dBm in the stock version). Two versions, one at approximately \$400, and another around \$550. This is about \$760 and \$1045 in U.S. funds, so quite a bit more pricey than the stock FRG-7700, but the brochure seems to imply that the cheaper version has the improved front end.

---from SKAIA, magazine of Mittelwellen Spezial Club, W. Germany (their source is Radio-Umschau, no. 8, 1928):

### Defeating Atmospheric Interference by Underground Antennas

Two versions: linear and spiral, to cover wavelengths of 150 to 500 meters (i.e. MW). The linear version is about a 25 meter length of copper wire about 1.5 mm in diameter, with adequate insulation (the end needs special attention!) buried about 0.5 meter deep. The directivity, if any, can be defeated by connecting another wire at a right angle to the first.

The spiral version is buried in a one meter deep and 0.9 meter wide hole, as follows: Well insulated copper wire (insulate the bare end as well) 1.5 mm in diameter is laid in the bottom of the hole starting from the outside in a spiral with 7.5 to 10 cm between the turns. Do not cut the wire when you reach the innermost turn of the spiral, but put a 15 to 20 cm layer of earth on the winding. With the remaining wire (poking out of the earth) wind another spiral in reverse order (starting at the innermost turn). You wind four spirals this way, each wound in reverse order to the last, and separated by 15 to 20 cm of earth. Then the remainder of the hole is filled up with earth and the wire connected to the receiver. This version is not directive, but is less sensitive than the linear version.

It has been possible to receive distant stations without interference during heavy thunderstorms with lightning (with no danger of the antenna being struck by lightning!), but care should be taken that interference can not enter the receiver in other ways. (Ed. note: shielded lead-in should be used for example). This design was eventually used with a good amplifier/preselector to make up for losses.

\* \* \* \*

One of you eastern or midwestern DXers should try the above for summertime DX'ing. Let the rest of us know the results. Ben Peters has taken Mark Connelly's article on using the MW-1 as a random wire tuner and developed a random wire tuner cum phasing unit using his two Martens loop antennas. The coupling from the random wire is effected by placing the two

loops close together, coupling the random wire to one and taking the output to the receiver off the other. Coupling is between the tuned circuits of each loop. Both loops can be rotated (if space is at a premium, one could be mounted above the other), and depending on the tuning and rotating of each loop, much better nulls result than using the loop alone. Also, signal strength is better than the loop alone or the random wire alone. In fact, Ben rarely uses the loop's switchable amplifier when using this configuration, due to the high level of signal available. He has also tried another random wire coupled to a third loop placed next to the other two. Even better results, but operation become much more complex, needless to say.

\* \* \* \*

Don Moman sends word of a mail order company he has formed called "Shortwave Horizons". At the moment, re-chargeable batteries, connectors, cables, variable capacitors and some used receivers are what he has in stock. The company will soon be distributing new receivers and equipment also. Canadians, send a SASE for a list of available items to Shortwave Horizons, 6815-12 Ave., Edmonton, Alberta T6K 3J6. Americans, a SAE and loose stamps (I guess) if you haven't got Canadian stamps.

\* \* \* \*

Best wishes to all for 1982--especially to Mike Bittner, Derek Claridge, Louis Goldstein, Glen Kippel, Don Moman, Ben Peters, Gerry Thomas, Randy Tomer, Mike Worst and Karl Zuk, who've helped make this column possible in 1981.

73--- Nick

RADIO  
**KAPY**

P. O. BOX 392  
PORT ANGELES, WASHINGTON 98362

# KSCB

RADIO 1270  
P. O. BOX K  
LIBERAL, KS. 67901  
316-624-3891

# EASTERN DX FORUM

RICHARD EVANS  
P.O. Box 1294  
NORTH WALES, PA 19454

Rob Gerardi, 613 West Main Street, Benton, Illinois 62812

Thought I'd add my info on car radio DX this time, receivers mainly. My 1971 Ford Trino GT (which I call, "The Atomic Hog", hi) has a Philco AM radio in it that's been good for DX. I've found it to be sensitive and selective as my Radio Shack TRF 12-655. Just this fall, I've picked up two new stations on it, on the way home from work. Last winter, I picked up "R. Uno" several times (775 kHz), with no problems from WBBM or WABC. In '76, I got HJHJ on 600, alas the days before the Cuban powerhouse, hi! Several LA's and domestics have been reported to CDXR and DXWW that were heard using that radio, over the years. As for day time reception, I get WGN, WMAQ, WBBM, WLS, WCFL, WJJD (with good separation from WGGH, now that they've cleaned up their act, hi) all day long. Not bad for 300+ miles, eh? In winter from here, WJH, WCCO, and WLW come in around mid-day on that radio. When I was in SW Kansas, I listened to KOA and KHOW all day long in the car, even in July when the TRF had problems. Even logged WFAA one day in Guymon, Okla and another in Liberal, Kansas. The mechanic who I trust to keep the "Atomic Hog" in perfect running order, uses an AM radio from a 70 Trino GT for entertainment. He listens to WMAQ on it, in the shop, all the time. He's a C&W fan. I asked him about it the other day, when in on preventive maintenance; and he said that with 22 years experience with cars, that's the best radio he's found. So, I'd suggest, if you are looking for a good car radio, "raid" junk yards for a good AM only radio from a Trino GT. Why do I drive a '71 Trino? Well, the radio, a 351 Cleveland engine (a '73 now), it's fast and built like a tank. Besides who can afford a new car (large enough for big people, hi) '73's.

Mark Connelly, 30 William Road, Billerica, Massachusetts 01821

A hearty thanks to Paul Mount for the job well done over the past few years. First, a report on Ray Arruda's GTC on Sat. 28 Nov. I had a great time seeing many New England DXers. Craig Healey brought an imposing ferrite loop that resembled a Gatling gun. Warren Greenberg & I shared ideas about DXing from Nova Scotia. Unfortunately, Bob Foxworth, Marc DeLorenzo, & Bill Bailey couldn't make the trek to "Rocket Ray's". A "Phased Shortwires" demonstration was conducted: Caribbean DX was fairly good that evening with a lot of the regulars booming in on Ray's souped-up HQ180A. The following were bagged in about 15 minutes: ZIZ-555, Guadeloupe-640, YVMH-700, SRS-725, ZBVI-780, PJB-800, St. Kitts-825, HIPJ-890, ZDK-1100, & C.R.L.-1165. TA DX was limited to "juggernaut" Algeria-891: Ray's QTH is good for LA DX, being only a few miles inland on Caribbean bearings; but it is considerably farther inland on bearings to Europe & N. Africa. Arlene & Ray provided excellent home-cooked food for us - a good change from the routine take-out pizza from a local fast-food emporium. DX conditions have been weird lately: having one good night certainly does not guarantee that the following night will have any DX merit. To wit, robust auroral cx. around local sunset on 24 Nov. provided great South American DX, as skip domestics were thoroughly knocked out of the box. I called Ernie Cooper to tip him off to a potential South American DX bonanza the following early evening. The two-hour period after sunset on 25 Nov. saw conditions go to the dogs, with all sorts of short-skip domestic QRM, even from Canada and the upper Midwest. Similarly, at drivetime just after sunset on 7 Dec., TA signals were banging in, at least on the car rx. near the ocean. The following evening was a total stiff - only Algeria-891 had readable audio; weak hets were noted on 765, 1349, & 1404 (normally "powerhouse" frequencies). This time, it was Tom Farmerie who had been given the "hot DX tip" to check for TA's on 8 Dec. after the previous night's TA DX binge. Now I know better than to issue DX tips that could send people off on wild goose chases. In other events, the "blizzard of '81" hit metro-Boston last weekend, dumping about two feet of snow on the region. I didn't note any daytime stations on at night or any stations knocked off the air, though. To all: Happy New Year!

Larry E. Black, 55190 Oak Road, South Bend, Indiana 46628

Just received my first copy of DXM. EDXF had only 4 contributors so thought I'd better write and spice up the column abit. I was a member '69-73, but then off to college and then the real world of 9 to 5 with



(Larry Black, cont.) several job transfers. I wasn't in any one place long enough to start a log. I'm here for awhile (I hope) and thought I'd dust off the old Hallicrafters. The airwaves sure have changed in a few years. More Cubans, Network, Religious programs - things that are hard to ID. Larry King must work hard. So hard that I think MBS should give him a vacation. A 2 week vacation would let me log the 4000 stations I must have heard which carry him. So far, I've had great luck DX'ing SSS, but can't seem to do anything with SRS. I usually listen from 0700-0730 before I go to work and before the locals sign on. Signals are so faint at this time as to be barely readable. I had expected things to boom in as they do in the evening. Wonder why? Have an Unid I need some help with. Don't know dates or times 'cause I wasn't paying attention. Back in October, 0400-0600 on a Sun. or MM on 570. I heard WWV type clock tones, with a long tone at each minute followed by Morse Code "R-R-R-R". It was strong on 570 but also heard faintly on 580. Any ideas? Better save some room for everyone else, so I'll save the rest 'till next time. Late on.

Richard C. Evans, P. O. Box 1294, North Wales, Pennsylvania 19454

I've been called a lot of names in my life, but never before have I been called "everyone else", hi. Seriously, this column is being typed a couple days early on 12/17, without the mailbox being cleared on Thursday (left work too late). On 12/19, I'm driving to Michigan to spend the holidays with my father, then will be back here on 12/27. Will have to type a column then, with the second Forum rpt on hand from Mark Connelly, plus whatever is in the box tomorrow. I won't be able to clear the box again until 12/28, but then...I'll be moonlighting 12/28 thru 12/31, so I can't type the column 12/28 or 12/29. I realize others will feel differently, but I'm not about to turn down 16-25 hours at \$11.93 each, just to type the column, hi. (The opportunity came up after I had volunteered for the EDXF, Don.) Only traces of the WKDW-900 VA Test on 12/14 but no IDs hrd here. Just too much CHML, which is as much or more of a pest here than it was in northwest Indiana. Larry Black, I spent four years just about 35 miles from South Bend, up in New Buffalo, Mich. Try SRS dx at 0600. I think you'll find it much more productive. 73.

Bruce T. Portzer, 6546 19th Avenue Northeast, Seattle, WA 98115

Since Ric didn't leave any room at the end of WDXF, I'll plopp down in this spot, hi.

One of the highlights of the last couple weeks was putting an incredibly precarious null on a 50 kw local. I was experimenting around with an old DXing technique of using a box loop to modify the pattern of a space magnet (a full description of this procedure appears in an old IRCA reprint). Since it was about sunset time I consulted my SRS/SSS map and noticed the 1615 PST line went through eastern Oregon, home on a new station, KLWJ-1090. My one obstacle to hearing KLWJ is my 50 kw local on 1090, KING. Undeterred, I tuned to 1090 anyway, rotated the SM-2, rotated the box loop, tweaked the box loop, and began to get rid of KING. I tweaked my longwire tuner (which often affects nulls) and bits of mx began to tantalize my ears. KING came out of mx & went into a sports rpt, the other stn (with mx) was definitely there. Finally, at 1613, I tilted the SM-2 and the second stn faded on top. I let go of the SM-2 & the 2nd stn went away. I grabbed the SM-2 again and moved my arm between the two loops. As I did, a woman's voice was heard to say, "...KLWJ, Umatilla, OR, now concludes lflmm.....operated by Umatilla BCing Company....flxxmubdleturn tomorrow mornzzz..." & then KING went back into mx. I'm not sure if I hrd KLWJ because of luck or because of skill, but if I'd breathed wrong at the wrong moment, I wouldn't have heard 'em. I'll have to try that trick more often, hi.

My Christmas weekend turned out to be a yucky one, I developed a sore throat 12/23, which progressed to a cold, which progressed to laryngitis by 12/28. On top of that, our telephone line began generating ear-splitting static crashes the night of 12/27 & was unuseable by the next morning, which didn't matter that much since I could barely talk anyway, hi. The problem was eventually cured when a PNB technician climbed the pole outside our house & jiggled the wires for a while. Interestingly enough, some of the phone line noise was apparently radiating enough to be picked up by my loops. I heard the same type of noise (weakly) at various spots on the dial that night.

Don't forget the receiver issue (1/23). EDXF deadline will be 1/10, WDXF deadline will be 1/14. If you miss the forum deadline, the deadline at HQ will be 1/17. Either a forum rpt on your receiver, or a long article on receivers would help make it a terrific issue. 73 for now, bp. -



# Western DX Forum

★ ★ ★ ★

IRCA—Serving the Broadcast Band DX'er Since 1964

Editor: Ric Heald, P.O. Box 4861, Santa Rosa, CA 95402-4861 (707) 865-1260

1981/2 Deadlines—Weekly on Wednesday, 10 Days Prior to Publication Date

(Note: Tuesday Deadlines Prior to U.S. 3-Day Weekends)

MARK STRICKERT, P.O. BOX 931, SAN FRANCISCO, CA 94101-0931 (415) 652-1875

"Kill Ugly Radio" - graffiti on Aurora Avenue underpass at NE 46th Street in Seattle. . . Good Day! On the road with "Mr. Stickers" somewhere in deepest Marin County, during the rare "day off." Having some Christmas goodies to wrap, letters to catch up on (but obviously not sleep, hi). I managed to work in the even rarer Monday morning DX last week: The less than exciting results were sent to appropriate column.

Anyone else catch NBC Magazine (that's TV, hi) a few weeks back when they had a report called, "Sounds of Sameness," which delved into automated radio, specifically Drake-Chenault's Country format. It made KTTI Yuma, Arizona, sound just like any other station using said format. (Caught the show, Mark, and the GM's remarks were the pits, hi-Rth.)

Hmmm, Moline in August looks better by the minute, hi. Then again, KWUN 1480 is "voice of the Gaels."

Hey, that post office over there has a familiar looking zip code, so I'll mail this there. . . Next week, more on rumors that "Country Plus" will change calls to KMNS. (HMMMMM, hi-Rth.) 73.

PAT MARTIN, P.O. BOX 843, SEASIDE, OR 97138

I hope everyone had a nice holiday season and got a HQ-180, SP-600, etc. under their Christmas tree.

DX seems to be picking up. Some Koreans, Japanese and USSR stations are beginning to show up around the dial in the mornings. Nothing exciting, but at least it's a start. Also, the DU's seem to be improving too. 4NK, 4TO, 4BH, etc. have been the only regulars this winter. I noticed 4QD and 200 in recently. Still quite a few reports out, but few veries are coming in.

I also would like to thank everyone who has reported to DXWW-W this year. The reporters actually make the column what it is, not the editors. Without reports, where would we editors be. Right, Ric? (Right on, Pat. But then again, reporters make we editors what we are, hi-Rth.) 1981 has been a good year for me, both DX and otherwise. Received several new veries I had been trying for, Tahiti 738, 7LA 1098, Kiribat 846, 4TI 1062 Thursday Island, Western Samoa 1251, 6DL 531 and maybe the best, 8DR 657 Darwin, N.T.. Also, thanks to all DX'ers that phoned this year. Best of DX to all, may 1982 bring you that ten-watter in East Bangi-Bangi. 73.

STEVE MITTMAN, 2248 W. 37th ST., SAN PEDRO, CA 90732 (213) 833-1010

As I'm sure most of you probably know, Tuesday, 08 December, was the anniversary of John Lennon's death. All day that day, KEZY 1190 were playing all Beatles music. They had also set up a little "museum" on their front lawn containing Beatles memorabilia which they had acquired over the years (much of which had been donated by listeners), and claimed to have the largest collection of any radio station in the country. The tribute was intended to be a positive thing. The museum was open from 7AM to 9PM, but of course I had to go to work, then after work I had a final, so by the time I finally got there it was 7.15. At that hour I expected only a handful of people and to be able to freely roam around the exhibit, but was I ever in for a surprise. What I found was a line two hours long. The staff was telling everyone that they had a contract with the city of Anaheim and they had to close at 9PM, but if we wished to take our chances in line, we were welcome to do so. I decided to take my chances, hi. I'm glad I did, too, because it was a positive experience, and probably the closest I'll ever come to seeing what it was like to be at a Beatles concert. The enthusiasm was evident in the DJ who was saying how totally unexpected the crowds were. From the time they opened at 7AM, the line stretched down the block for a two-hour wait, and never let up until 7.30PM when they had to refuse to let anyone else get in line. Happily, they kept the exhibit open until the entire line got through, and I got in at 9.20PM. They had a large collection of extremely rare albums, posters, magazines, lunch pails, etc. During the next week, KEZY had a spot which they kept playing that said that 7,000 people were there that day, and there was

security problem, no trouble and no litter. One thing I noticed while iting in line is that the Beatles had strung a bridge across the so-called ge gap." Besides people my own age (mid-'20s), there were teenagers, kids as ung as eight and nine, and adults who were well into their '50s and '60s. eing everyone there together having a lot of fun, one couldn't help but tice that, although Lennon was gone, his dream of peace was very much ive. 73 de SMM. (Congrats, Steve, you've managed to write the longest para-aph in WDXF history, hi-RtH.)

K kids, it's time once again for the Mr. Phil Show on WDXF.)

IL BYTHEWAY, 9722 MARY NW, SEATTLE, WA 98117 (206) 784-5145

I have copies of Mike Hardester's and Rob Keeney's CPC information booklets d will send them to an interested parties who write and include a SASE. I'd re like to see the CPC get off the ground in IRCA. It has been a very weak int in an otherwise fine organization as far back as I remember. Mike Har-ster's enthusiasm last year was certainly a step in the right direction. It ; a shame he had to resign. I'm still giving away 50 sheets of IRCA station-ry to anyone who wants to join the CPC. As I look back, some of my best itches were heard as CPC tests or while trying for them.

I haven't been DX'ing as much as I'd like to the last couple of years. Being married homeowner with a little one has taken its tole on my time. The fact at my radio room was moved into an in-construction attic room didn't help. 'm still working on the new DX-shack, in bits and pieces, and hope to have ; completed sometime in 1982. On the side, I have various electronic projects ing. I built the audio filter out of the Technical Guide on a proto-board. w I've got to get it built for good, ha, ha. I'm working on an antenna tuner d phasing unit, but still don't have the longwires up yet. I also have some idios in various states of repair. The top of the list is an R-389 (I must ke Collins stuff, right?), which has a linearity problem with its VFO. Every- ing else seems to work (RF front end, IF and AF section) but the VFO is all essed up. Anyone got a spare R-389 VFO? Other sets my friends and relatives ave given me to repair. ("You know all about radios, Phil, this should be asy to fix.")

Because my job now involves working with Honeywell's IC Design plan in lymouth, Minnesota, I will be making frequent trips to the Minneapolis-St. ul area. Consequently, I would enjoy meeting any DX'ers in that area. Please end me a note with your phone number if you're interested.

That's all for now. Maybe I'll write again before another ten years are up. 3 and best of DX de Phil.

IC HEALD, P.O. BOX 4861, SANTA ROSA, CA 95402-4861 or 19050 RIDGECREST DR., UERNEVILLE, CA 95446 (707) Topaz 5-1260 to 2200 PLT, 1900 PLT FRI & SAT ppd

Greetings from the soggy Russian River. Yes, we did have a flood. No, uerneville was NOT totally flooded as the news media would have you believe, nly about ten percent of the town went under. Yes, I did have to spend one ight near Santa Rosa (roads were closed), but got home in the height of the lood on Sunday (20 December) afternoon through the back roads. Ran into an BC cameraman as he was about to board a boat to film to worst of the flood- ng, and I said, "From one journalist to another, when you finish your boat our, film the rest of town that's dry and don't exploit us." That drew a ound of applause from locals looking on, but of course, he didn't do it. eedless to say, we were busy all weekend at Country Plus. Funniest call came rom a guy at a "flood party" in Guerneville who wanted to hear Cash's, "Five oot High and Rising," hi.

I actually DX'ed one morning. Started at 0445 PLT 18 December and worked RS until 0810. Noted KAZM 780 with extremely weak signal and no sign of KCRL p to 0800. Have they gone dark? Finally nailed KHIS 800, but earlier, like t 0700 noted Heaven and Home Hour on 800; was that KPDQ? Thought I heard a hone number for Vancouver. Also, KIBS 1230 (unn, of course) had full control f 1230 around 0615, couldn't even be nulled. Very unusual. Also nailed KLAD '60 through semi-local KABL and KWSO 1050 through semi-local KOFY around 0800, oth, of course, verified from years ago, but not heard in quite some time.

Phil, good thoughts on CPC, however, from what I've seen lately from those ho wish to do CPC, we've got to have an adult approach. Past forums I've elved into why stations don't respond to CPC approaches and their reluctance o do a special test.

Pat, wish I could just hear a het once in a while, let alone a DU or TP. nder if living in a "bowl" (surrounded by 2,000-foot-high hills) has some- hing to do with it? Hi. Which is also why this area gets four times the rain- all of San Francisco. Orographic lifting and all that jazz.

That's it for this week. Remember, your imput regarding the club is always elcome in my mailbox. Phone calls are nice, but can't be related on to the est of the BoD like a letter or card can. See you in 7. 73 de RtH. .

THE INTERNATIONAL RADIO CLUB OF AMERICA

A non-profit organization devoted to the hobby of listening to distant radio stations on the AM broadcast band (510 to 1630 kHz). IRCA is a member of ANARC, the Association of North American Radio Clubs.

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