

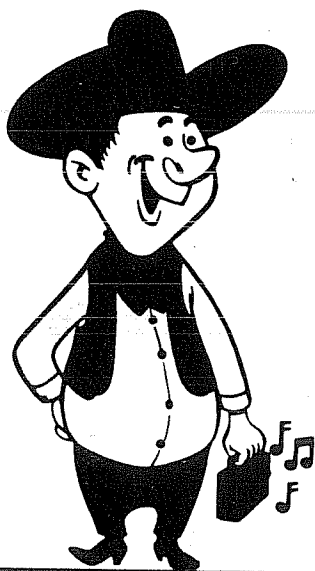
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We've got a really good issue for you this week. Highlights include another big Broadcasting Information column. As always, there are some interesting FCC actions, and all sorts of station changes. Elsewhere is an explanation why KUUY, Cheyenne, WY, made their recent, unexpected frequency change. Also in this issue is a technical column and a great review of Heath's active antenna. Plus the usual DX columns, highlighted by EDXR reports of Oregon & Idaho, and DXWWE reports of recent TA activity. Next week, we hope to have a status report on the T-Shirt auction, plus Tim Hall's first Verie Signers column.

Also, note Jim Hall's new mailing address in DXWWE. Jim is still looking for a temporary editor to fill in for him for 8 weeks this spring. And finally, we're still looking for a new permanent EDXR editor. Write headquarters if you're interested.

DX Tests

Both Monday, March 16, 1987....

WEKS-1080, Marietta, GA will test from 0100 to whenever and will possibly use code IDs. Send reports to Ted Ronneburger, CE, WEKS, 19 Atlanta St., Marietta, GA 30061.

WTPO-1050 Conyers, GA, will test 0300-0330 EST with code IDs interspersed amongst the regular programming. Send reports to Lee Cook, GM, WTPO, 924 S. Main St., Conyers, GA 30207.

Both arranged by Wayne Heinen, NRC.

BROADCASTING INFORMATION

Greg Monti, 1301 S. Cleveland St. #356, Arlington, VA 22204-4848
 prepared 22 February 1987

call	kHz	day/night	st city
WARO	540	1000/	PA Canonsburg wants 1000/500
KIPO	570	5000/5000	HI Lihue granted KGNG
appl	600	1000/950	NY Brownville
KIPA	620	5000/5000	HI Kalaoa target date for this synchro with KIPA 620 Hilo is 6/1/87
KIPA	620	5000/5000	HI Maalehue target date for this synchro with KIPA 620 Hilo is 6/1/87
WLVJ	640	10000/500	FL Royal Palm Beach granted extension of time to construct new station to 3/16/87
WN00	660	50000/1000	AL Fairhope wants 25000/1000 (modification of permit not yet on air)
KDLG	670	5000/1000	AK Dillingham construction of 10000/10000 is on hold due to State of Alaska financial crunch, target date is May 87
appl	670	500/	TN Farregut application dismissed in grant below
new	670	500/	TN Farregut granted construction permit
WLFF	680	1000/	FL Saint Petersburg appl for 1000/7000 returned
WCNN	680	25000/10000	GA Atlanta granted WGTW
WCTT	680	1000/1000	KY Corbin granted 770/880
new	680	500/500	KY Newburg wants 2500/500
KVNA	690	1000/500	AZ Flagstaff granted 10000/500
WNZK	690	5000/	MI Westland wants 1000/
appl	700	5000/	AL Dothan application returned
new	700	1000/500	CA Soledad granted construction permit
appl	700	25000/1000	WA Camas
new	720	10000/250	FL Hernando granted construction permit
appl	720	10000/1000	FL Holly Hill application dismissed
WNOC	720	1000/	NC Wake Forest wants Apex NC
WWII	720	5000/	PA Shiremanstown granted 2000/, granted extension of time to 6/29/87 to construct new station
WNDZ	750	2500/	IN Portage granted extension of time to construct new station to 3/31/87
WRGE	750	400/	PA Olyphant granted extension of time to 4/10/87 to construct new station
KOAL	750	1000/10000	UT Price granted 1000/6800
WJMM	770	1000/	KY Nicholasville granted WCGW
WACN	830	250/	KY Franklin application for extension of time to construct new station denied
WBHY	840	1000/	AL Mobile wants 10000/ (reapplies)
KWDF	840	1000/	LA Ball wants 10000/
WGOM	860	1000/	IN Marion granted 1000/500
KNUJ	860	1000/	MN New Ulm granted 1000/250
KSKO	870	5000/1000	AK McGrath construction of 10000/10000 is on hold due to State of Alaska financial crunch
WVOZ	870	10000/10000	PR San Juan wants 9600/9600
KUUY	870	10000/2500	WY Orchard Valley granted 650 kHz and 8500/750
appl	880	500/250	CA Desert Hot Springs
appl	880	10000/1000	FL Seffner application dismissed
appl	880	2500/1000	FL Seffner (reapplication of above)
appl	880	1000/	NC Fairview application dismissed
KGRB	900	500/	CA West Covina wants 5000/
WBLG	910	1000/	MT Billings wants 890 kHz and 50000/500
KTLD	930	500/	CO Granby wants 4500/
KAGI	930	5000/1500	OR Grants Pass wants 5000/140
WINZ	940	50000/25000	FL Miami believe powers at left are correct, recent "dismissed" appl was for 50000/25000 with the 50000/ being nondirectional; currently DA-2
appl	940	2500/	GA Rincon (believe this is correct, shown as 1100 kHz in some sources)
appl	940	50000/	NC Fort Bragg (same applicant as 1170 Fort Bragg, only one can be granted)
appl	940	1000/	NC Raleigh
appl	940	5000/	SC Columbia
WLIT	950	1000/	OH Steubenville granted WDIG
KRMO	990	250/	MO Monett wants 2500/
WLKW	990	50000/	RI Providence granted WEAN

KGIC 990	1000/1000	TX Beaumont granted KZZB
appl 1000	100000/	ID Eagle
appl 1000	5000/	ID Eagle wants 870 kHz(avoid competition with above)
KBIB 1000	1000/	TX Marion granted extension of time to construct new station to 6/30/87
appl 1020	2000/	IA Macedonia application returned
appl 1020	10000/250	LA Eastwood application returned
appl 1020	25000/10000	LA Eastwood (replacement for above)
appl 1020	50000/250	OR Central Point application dismissed in grant of KDUN 1470 Reedsport OR to move to 1030 kHz
WMIN 1030	10000/500	MN Maplewood application for 10000/1000 returned then reapplied for
new 1040	10000/1000	SC Hanahan granted WKAO
KOFY 1050	1000/500	CA San Mateo wants 1000/10000 (combined with earlier appl for 50000/500, this may be for 50000/10000)***
KLOH 1050	1000/	MN Pipestone application for 10000/ returned
KNXX 1050	1000/	NM Los Ranchos de Albuquerque granted extension 'til 3/30/87 to construct new station
appl 1060	2000/	CA Lake Isabella (reapplies)
appl 1060	250/	TX Lockhart to be synchronous with KHJK 1060 Lockhart
appl 1090	5000/	CA South Lake Tahoe appl returned & reapplied for
WJKM 1090	1000/	TN Hartsville application for Lebanon TN returned
appl 1100	10000/1000	FL Palm Beach Gardens application returned
appl 1100	5000/1000	FL Jensen Beach (reapplies with higher power)
appl 1100	1000/2500	TX Bridge City (competes with existing appl on 1120)
WWCC 1120	5000/1000	MA Concord granted WADN
WLJH 1120	1000/	MS Petal wants Denham Springs LA
WKQW 1120	250/	PA Oil City wants 1000/
KRDU 1130	1000/1000	CA Dinuba granted 5000/6200
KBMR 1130	50000/5000	ND Bismarck wants 710 kHz
WQIZ 1130	250/	PR Guyanilla wants 250/700
WPUB 1130	1000/	SC Camden granted WVEF
WASG 1140	50000/	AL Atmore appl for 550 kHz and 700/ returned (still has ungranted appl for 550 kHz and 3900/)
WONQ 1140	4100/	FL Orlando wants 10500/
WCUE 1150	1000/500	OH Cuyahoga Falls appl for 2500/500 returned
new 1160	1000/250	NJ Oakland granted WVNJ
WDFB 1170	500/	KY Junction City granted 1000/
appl 1170	2500/	NC Fort Bragg (same applicant as 940 Fort Bragg above; only one can be granted)
appl 1170	2500/	VA Falmouth
WLDS 1180	1000/	IL Jacksonville wants 1200 kHz and 5000/250 (does NOT want these powers on 1180 kHz as implied last mo.)
KNPE 1180	5000/1000	NE Bellevue granted KKAR
appl 1180	1000/460	NH Roswell (reapplies with lower night power)
KPZE 1190	10000/2500	CA Anaheim granted 10000/1300
appl 1200	4500/	IL Rushville application returned
WBZY 1200	10000/2500	PA New Castle is correct, as implied last month (MSJ)
new 1200	500/	MS Columbia granted construction permit
KASY 1210	50000/1000	WA Auburn wants 50000/10000
WSBI 1210	250/	TN Static wants 1000/
WLPO 1220	1000/	IL LaSalle granted 1000/500
KRDG 1230	1000/1000	CA Redding granted KPAK
appl 1230	1000/1000	GA Watkinville two competing applications both dismissed
KEZD 1230	1000/1000	NV Las Vegas granted KLAV (again)
WTAM 1240	1000/1000	MS Gulfport granted WGCM (again) (funny, I don't remember them ever switching from WGCM to WTAM)
KOCA 1240	1000/1000	TX Kilgore granted KTXC
KOKY 1250	2500/5000	AR Little Rock granted 1200/2000
WGL 1250	1000/	IN Fort Wayne application for 2400/2000 returned
WLCK 1250	500/	KY Scottsville wants 1000/
WKDX 1250	1000/	NC Hamlet wants 1240 kHz and 1000/1000
WFTW 1260	2500/	FL Fort Walton Beach granted 1520/
KREL 1280	5000/	NV Henderson wants Winchester NV and 1290 kHz and 5000/5000 (reapplies)
WJBI 1290	1000/	MS Batesville granted 728/
WOPY 1290	1000/	NC Jacksonville granted WJCV
WSBL 1290	1000/	NC Sanford wants WXKL
KMJK 1290	5000/1000	OR Lake Oswego granted KVIX
KBBJ 1300	5000/1000	OK Tulsa granted KAKC
WICO 1320	1000/	MD Salisbury granted 707/

WCLM	1330	5000/	CA Redding granted KRDG
WXTA	1330	1000/	IL Rockford granted WYBR
KWSK	1330	500/	ND Wishek granted 5000/5000
appl	1330	700/500	TN Hendersonville
WAIR	1340	1000/1000	NC Winston-Salem wants WMQX (WFXM never used)
WBOS	1340	1000/1000	WI Milwaukee wants WLZR ("laser 103")
WYLS	1350	5000/	AL York wants 670 kHz
WJEB	1350	1000/	MI Gladwin wants WGDN
WEET	1350	2500/	NC Aberdeen granted WSCT
KCBR	1360	5000/5000	AK Wasilla granted KOBG
KOHU	1360	1000/1000	OR Hermiston granted 4300/1000
WGZS	1370	5000/	SC Elloree-Santee granted WMNY
KENN	1390	5000/1000	NM Farmington wants 5000/1300
WMSL	1400	1000/1000	AL Decatur granted WAVD
WRDD	1400	1000/1000	ME Augusta granted WMME
appl	1400	1000/1000	NH Roxbury
KBGG	1400	1000/1000	OR Cave Junction granted KIVR
WGFN	1410	1000/	NY South Glens Falls granted WSTL
WRSS	1410	1000/1000	PR San Sebastian application for 2500/2500 returned
appl	1420	1000/	FL Titusville application returned
KPEL	1420	1000/1000	LA Lafayette granted 1000/750
WEUC	1420	1000/1000	PR Ponce wants 650 kHz and 5000/5000
KLNX	1420	5000/1000	TX Lufkin wants KNOW
appl	1430	2500/	FL Palm Bay application returned
WRCD	1430	1000/	GA Dalton application for 5000/ returned, reapplies for 2500/
WLCB	1430	500/	KY Buffalo wants 1000/
WLAU	1430	5000/	MS Laurel granted WKYL
WBMK	1430	5000/	TN Knoxville never did change to applied-for WTGR(RP)
KCOH	1430	1000/	TX Houston wants 5000/
WBLA	1440	5000/	NC Elizabethtown wants 940 kHz and 10000/1000
new	1440	1000/	DH Ontario wants WRGM
KFXX	1450	1000/1000	AZ Tucson granted KKPW
KRXX	1450	1000/1000	OR Eugene wants KKKO
KUTY	1470	5000/500	CA Palmdale wants 5000/5000
WTKO	1470	5000/500	NY Ithaca wants 5000/1000
KDUN	1470	5000/	OR Reedport granted 1030 kHz and 10000/500
WSDS	1480	1000/3800	MI Ypsilanti wants Canton MI and 750/3800
WPKE	1490	1000/1000	FL Starke wants 650/650
KKLB	1490	1000/1000	ID Chubbuck granted KRCD
KOFE	1490	1000/1000	ID Saint Maries granted 1240 kHz and 1000/500
WBMX	1490	1000/1000	IL Oak Park wants WPNA
WLOJ	1490	1000/1000	NC New Bern wants 700 kHz and 1000/
appl	1490	1000/1000	NH Lancaster
KDJC	1500	1000/	AR Jacksonville granted KCHB
KVSN	1500	500/	WA Tumwater granted 1000/
KRJH	1520	250/	TX Hallettsville wants 300/
appl	1520	5000/	TX Magnolia
appl	1520	50000/	TX Splendora
WCGR	1550	250/	NY Canandaigua appl for 1310 kHz & 2500/2500 dismissed (one for 640 kHz & 250/1000 still alive?)
KXOJ	1550	500/	OK Sapulpa application for 2500/ returned
appl	1560	10000/	NY Webster (reapplies)
appl	1570	5000/500	FL Pensacola Beach
WGHC	1570	1000/	GA Clayton granted 1370 kHz and 2500/
WQPL	1580	250/	CA Windsor applies to reinstate expired CP
WIFE	1580	250/	IN Connersville granted WCNB (again)
WPGC	1580	50000/	MD Morningside wants 50000/500
WJIK	1580	10000/	NC Camp Lejeune requests extension of time to construct 830 kHz and 10000/2500
WEHH	1590	500/	NY Elmira Heights wants 5000/480
WUSJ	1590	5000/5000	TN Jonesboro granted WQLS
KYCX	1590	500/	TX Mexia granted KRQX
KRXY	1600	5000/5000	CO Lakewood granted KMVP ("most valuable player")

KEZG Green Valley AZ shown as granted KFXX last month is true. Only problem is, it's an FM station. None of the AM's in Green Valley changed calls at all. (Steve Russell, Tucson AZ)

BUT THEY STILL WANT DAYTIMERS! Applications for new daytimers shown above apparently got in under the deadline. No new applications for AM daytimers in the US are being accepted any longer.

FURTHER CALL LETTER RULE LIBERALIZATION PROPOSED: The FCC has

proposed changing two more rules governing call signs. The first would allow calls beginning with "K" or "W" to exist on either side of the Mississippi River. A long-standing tradition would be broken and the old, grandfathered stations with "wrong side" calls (like KDKA 1020 or WQAI 1200) would no longer be the curiosities they are today.

The second proposal would allow stations with the same basic call (the first three or four letters, not counting the "FM" or "TV" part) to be assigned in different bands to different owners. If the two stations were in the same market, the one applying for the change would have to get permission from the one that already has the call. Example: KCBS-TV Los Angeles and KCBS(AM) San Francisco can co-exist now because of a previous rule allowing same owner-different market-different band-same basic call signs to exist. Under the new rule, an FM station not owned by CBS in, say, Denver, could apply for and get KCBS-FM without CBS's permission. If an FM station owner in Los Angeles wanted KCBS-FM for his station, he'd have to get permission from KCBS-TV first.

One thing this rule could do for older AM stations is to allow traditional three-letter calls that were lost during station trading to be returned. Example: KKOB(AM) Albuquerque, which was sold recently, had to change calls from KOB because the three-letter basic call was remaining with KOB-TV. Now, KKOB(AM) could get permission from KOB-TV to return to KOB(AM) even though the two stations no longer have the same owner. (BC, Parrish VA & Monti)

AM STEREO UPDATE: The National Telecommunications and Information Administration (NTIA), a part of the US Department of Commerce, has issued its study of the AM stereo marketplace along with its recommendations. The report concludes that the marketplace has "stagnated" and that the only way to get it moving again is to require the production of automatic system-switching AM stereo receivers. NTIA also believes that multisystem receivers are "technically and economically viable" but that since there is disagreement on that point, NTIA will have its laboratory investigate whether that's true. If the lab report says that multisystem radios are feasible, then it will ask the FCC to issue a rule protecting the stereo pilot tones of the Motorola C-QUAM and Kahn independent sideband AM stereo systems. (In the past, the FCC has been able to set TV stereo standards by protecting the pilot tone of the system it favors without getting into hot water by actually picking a system from among competitors.) If NTIA's lab finds that multisystem receivers aren't feasible, NTIA recommends that "market forces should coalesce rapidly around one of the competing systems." The report didn't say which system that would be but NTIA head Alfred Sikea told reporters that it would be the C-QUAM system.

All things considered, Kahn Communications was ecstatic over the report, Motorola was mortified. Motorola has claimed all along that any multisystem receiver design inherently compromises reception of Motorola's system. Kahn says Motorola is complaining because it fears his competition. (BC)

AM AUDIO IMPROVEMENT UPDATE: The National Association of Broadcasters has begun a campaign to get all AM transmitters (and their companion audio processors) and receivers made for or installed in the US market to follow the voluntary National Radio Systems Committee's standard AM pre- and de-emphasis curve. The curve includes an upper limit of 10 kHz on the maximum audio frequency that may pass through an AM transmitter. As described in earlier months in this column, the purpose of the standard is to allow AM receivers to be made with significantly wider bandwidths than they are today without running into second-adjacent channel interference problems. (It is assumed that first-adjacent channel interference can never be eliminated with AM stations spaced only 10 kHz apart.) (BC and MSJ)

As of 1/31/87, there were 4867 AM stations on the air in the US, plus 170 construction permits, giving a total authorized figure of 5037 AM's. By comparison, as of the same date, there were 5209 FM's on the air plus 591 CP's, totalling 5800 FM stations authorized. (BC)

Except as noted from the 26 Jan and 2, 9, 16 Feb issues of Broadcasting and from the 19, 26 Jan and 2, 9, 16 Feb issues of The M Street Journal (MSJ).

RADIO PROGRAMMING NOTES:

call kHz at city
KSHO 540 CA Hesperia new station is show tunes
WETC 540 NC Wendell now SMN rock oldies, was country
WDRV 550 NC Statesville now religious, was adult contemporary
KTSA 550 TX San Antonio now rock oldies, was soft adult contemporary
KSFO 560 CA San Francisco now simulcasting KYA-FM 93.3, still rock oldies -

KLDD 570 TX Dallas now rock oldies "K-oldie," was album rock oldies KRQX
 WONE 590 FL Panama City now easy listening, was adult contemp-contemp
 hits mix as WDLP
 KYJC 610 OR Medford now adult contemp //KFMJ 96.9, was contemp hits
 WZON 620 ME Bangor now album rock, was contemporary hits
 WLOP 730 GA Thomasville now satellite country "K 73," was live country
 WYNR 790 GA Brunswick now contemp hits //WPIQ 101.5, was country
 KGNW 820 WA Burien now religious, was black adult contemp as KGIN
 WVPO 840 PA Stroudsburg now contemporary hits, was adult standards
 WKBZ 850 MI Muskegon now news-talk/soft adult contemp, was adult standards
 WRAP 850 VA Norfolk will be news-talk upon sale, was black
 KMLO 1000 CA Vista now rock oldies, was adult standards
 WYBT 1000 FL Blountstown now gospel, was silent as WKMK
 KCFA 1020 AK Eagle River new station is religious
 WBZE 1030 MD Indian Head now black gospel, was contemporary Christian
 KNXX 1050 NM Los Ranchos de Albuquerque new station will be all news
 KRBE 1070 TX Houston now contemp hits //FM 104.1, was album rock oldies
 KEZX 1150 WA Seattle now soft adult contemp-jazz mix //FM 98.9, was
 religious as KGNW
 KMYL 1230 AZ Phoenix now adult standards (Music of Your Life), was //FM
 WSOX 1230 GA Savannah now black gospel, was full-service black "K-1230"
 WCEM 1240 MD Cambridge now country, was soft adult contemporary
 WGCM 1240 MS Gulfport now country //FM 107.3, was black as WTAM
 WTMA 1250 SC Charleston now satellite country, was rock oldies
 WMMM 1260 CT Westport now adult standards/soft adult contemp, was comedy
 WTNT 1270 FL Tallahassee will be black upon sale, was news-talk
 WCHY 1290 GA Savannah now country //FM 94.1, was adult contemp as WWSA
 WJCV 1290 NC Jacksonville now religious, was contemp hits as WOPR
 KTKR 1310 CA Taft now SMN satellite adult standards, was black/variety
 KEZM 1310 LA Sulphur now satellite rock oldies, was briefly easy listening-
 adult standards mix, was silent before that
 KSGR 1340 ID Nampa now automated rock oldies, was silent as KNPA
 KXPO 1340 ND Grafton now country, was soft adult contemporary
 WLZR 1340 WI Milwaukee now album rock //FM 102.9 "laser 103," was country
 as WBCS
 KLFF 1360 AZ Glendale now satellite adult standards, was Mus of Your Life
 WHRS 1380 KY Winchester now adult standards, was horse industry news
 WTNN 1380 TN Millington now news-talk, was satellite country
 KRRZ 1390 ND Minot now rock oldies "Cars," was adult contemporary as KKOA
 WHGB 1400 PA Harrisburg now adult standards (again), was silent
 WGTN 1400 SC Georgetown now adult contemp //FM 106.3, was easy listening
 WING 1410 OH Dayton now rock oldies, was adult contemporary
 WHK 1420 OH Cleveland now SMN satellite rock oldies, was live oldies
 WLTV 1430 FL Panama City now contemp religious, was adult standards WKSD
 WBMK 1430 TN Knoxville will be religious upon sale, was silent
 WRPZ 1440 KY Paris now religious, was black
 KDNT 1440 TX Denton now adult standards, was country
 KKPW 1450 AZ Tucson new slogan in "power," format still contemporary hits
 WRZK 1450 NC Spring Lake now contemporary religious, was album rock
 WLNK 1450 SC Charleston now black gospel-religious mix, was SMN satellite
 black oldies
 KWFN 1460 CA Santa Rosa now rock oldies, was adult standards as KQTE
 KZUE 1460 OK El Reno now silent, was album rock oldies
 KYOS 1480 CA Merced now contemporary hits, was adult contemporary
 WOHI 1490 OH East Liverpool now SMN satellite rock oldies, was adult
 contemp-oldies mix
 WKXO 1500 KY Berea now contemporary hits, was country
 KXVQ 1500 OK Pawhuska will be religious upon sale, was country
 WMRE 1510 MA Boston now silent pending sale, was talk
 WJTX 1580 IL Urbana now satellite rock oldies, was live rock oldies
 KOGO 1590 CA Ventura now adult contemp/rock oldies mix, was adult standards
 KCNN 1590 MN East Grand Forks now news-talk, was country as KRRK
 KMVP 1600 CO Lakewood now sports talk, was contemp hits //FM as KRRY
 KTNS 1600 TX Plano now silent pending sale, was talk

Networks: American Public Radio has proposed adding an hourly, 5-
 minute newscast to its network schedule. Network officials are still
 studying costs and fees that might be charged to noncommercial radio
 stations. (BC) Also at APR, Garrison Keillor, host of the popular, folkie
 music and comedy show "A Prairie Home Companion," has announced that he
 will leave the show and that the show will cease production in June 1987.
 APR will provide reruns of older shows, many of which were recorded before

it went national, for about a year. Rumors are persisting that a replacement show, of a different format but aimed at the same audience, will begin in mid-1988. It would be hosted by Noah Adams who is leaving rival National Public Radio's "All Things Considered" magazine show. (APR) CBS will again offer radio coverage of the NCAA post-season basketball tournament 3/19-30. There'll also be a pair of call-in shows about NCAA basketball on 3/8 and 3/27. (BC)

Other news: The M Street Journal has moved its editorial and subscription functions to PO Box 16353, Alexandria, VA 22302. Even though this publication is designed for broadcasters, a DXer subscription rate is available. Information listed includes format changes, technical parameter changes, new station construction progress updates and news of FCC rule changes. Both AM and FM are included.

(Programming items are from The M Street Journal except BC = Broadcasting, RP = RadioPhiles or named reporters)

RECENTLY ANNOUNCED (and not yet approved) STATION SALES:

WHBQ 560 TN, WGCR 720 NC, WKZY 770 FL, WRMS 790 IL, KNUU 970 NV, KMAS 1030 WA, WFSC 1050 NC, KKZX 1170 IA, KGOL 1180 TX, KYPB 1240 AZ, WSDR 1240 IL, KFMO 1240 MO, KPRE 1250 TX, WJOZ 1310 PA, WSPQ 1330 NY, WTRO 1330 TN, WLBC 1340 IN, KGNO 1370 KS, WSYB 1380 VT, KRAR 1390 MN, WWIN 1400 MD, WQXO 1400 MI, WLIS 1420 CT, KRXX 1450 OR, WRKB 1460 NC, WTKO 1470 NY, WBMX 1490 IL, KXVQ 1500 OK, WDGR 1520 GA, WRTP 1530 NC, KKDI 1540 AR, WPTR 1540 NY, WGAB 1550 CT, KKAJ 1560 SD.

Dismissed Station Sales: WACN 830 KY, WLSI 900 KY, WSIX 980 TN, WADO 1280 NY, WOOD 1300 MI, WSTV 1340 OH.

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THE HEATHKIT MODEL HD - 1424
ACTIVE ANTENNA

A review by Karl J. Zuk



This device was primarily designed to be an active antenna, a small whip antenna that is amplified greatly to provide the electrical equivalent of a much longer antenna. A perfect accessory for an apartment dweller or a condo owner, this could be an excellent alternative when a long or complex antenna is not possible. It covers the frequencies of 300 kHz to 30 MHz in five ranges, and retails for about fifty dollars.

The Heathkit HD-1424 also includes a simple, yet effective tuning system to match the whip antenna to your receiver to optimize signal pickup. For those who can erect an outside antenna, SO-239 connectors, which mate with the popular PL-259 connectors, like those used with most CB antenna connections, are provided. When these connectors are used in conjunction with a standard outdoor antenna, the HD-1424 then becomes a preselector and preamplifier and antenna matching unit. As you can see, it is a very adaptable and versatile device. The unit also works well with a box loop antenna for CB.

The circuit is fairly simple. The antenna is fed into a tuning system of a variable capacitor and a switchable array of six inductors, which determines what frequency the unit will selectively amplify. After this preselecting tuner, the signal is then amplified by two PN4858 FETs, and passes through a limiting gain control, and is then amplified further by a MRF502 transistor before being fed to the receiver's antenna terminals. The output of the unit is a balanced 50 ohms. The unit will accept an unbalanced input, such as a wire connected to the provided whip antenna, or the whip itself. It will also accept a balanced 50-ohm antenna via the SO+239 connector.

The kit went together with ease. Only one or two slight mistakes or confusing directions were encountered. It was built flawlessly in less than six hours including ample time for preliminary testing. It is a neat little unit. It is quite small, about half the size of a

large textbook: 2½H x 5¼W x 5D.

Performance was generally quite good. It provides more gain than you can ever deal with. Preselection tuning on BCB is fairly tight. You need to retune every 20 kHz or so for optimum performance. The device falls to unity gain at about 100 kHz from the tuned frequency. The gain control never needed to be opened more than ¼ of the range allowed. Full open gain overloads most front ends and leads to oscillations. The operating instructions provided with the kit warn of this. One nice feature is its on/off switch. When the switch is off, whatever antenna is connected to the unit is bypassed around the circuit with little or no loss. This makes comparisons before and after amplification quite easy. Also, the bands are laid out to coincide almost perfectly with the receiver I was using it with, a Realistic DX-160. Band A is 300-600 kHz, Band B is 700-1500 kHz, Band C is 1.6 to 4.0 MHz, Band D is 4-12 MHz and Band E is 12.5-30 MHz. There are sufficient overlaps in these factory described ranges to make the coverage continuous.

There were several annoying design flaws. The unit needs bigger knobs, especially the one for tuning. If you operate this unit for any length of time you develop a permanent callous on your thumb and forefinger. A vernier dial would make tuning more accurate and easier. The knob is currently mounted directly to the shaft of the tuning capacitor. Tuning gets very tricky in the Band E range. It would also be advantageous if the design could include one more inductor to bring the frequency coverage down to 150 kHz. Although it only tunes down to about 250 kHz, the preamplifier has enough gain to make it somewhat useful below 250 kHz. It would be nice if it would preselect throughout the standard longwave band.

The provided 25 inch whip antenna is inadequate. To presume that you can amplify signals received by that small an antenna is optimistic. I was disappointed, on first testing this unit, because I heard more amplification noise than signals with this very short antenna. I tried a three section 60 inch whip, made for automotive use, and the improvement was dramatic. A whip this length would not be terribly obnoxious in a household setting, and would make a big difference in signal pickup.

The power for the unit is provided by either a 9 volt battery placed in a holder inside the unit, or an external power supply that can be connected via a subminiature jack mounted on the back of the unit. The power requirements are described as 6 to 14 volts of DC. I found it worked fairly well down to 1½ volts. Mounting the battery inside the unit, without an access door or compartment, is not practical. Granted, the drain is minimal. Most of the power is probably consumed by the "power on" LED indicator on the front panel. My solution was to solder a pair of battery clips to a subminiature plug and plug it into the back of the unit, battery attached. The battery hangs loose, but I'll never have to open the unit to change it.

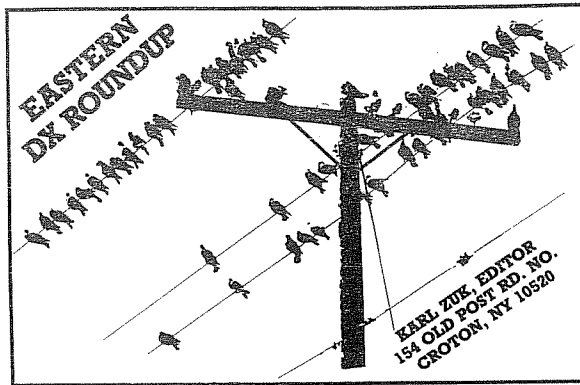
The only objectionable part of the assembly process was the sandpapering. The two part chassis is spray painted in production. Several cutouts, where components are mounted, need to be bared of paint to make a good connection with the chassis. This a departure from Heathkit's finished chassis of the past.

I've used this unit as a preselecting preamplifier for BCB for several days and have found it quite useful. Last night it helped pull clear audio out of an unamplified unintelligible het of the German powerhouse on 1593 kHz, using a 40 foot vertical antenna and ground system for signal pickup. A vernier dial would improve this unit greatly. To use the unit as an active antenna, with the provided 25 inch whip, would be just barely satisfactory. A tremendous amount of gain can not compensate for a very short antenna. In this mode, the noise level almost buried most signals. I was very satisfied with the unit using a sixty inch antenna.

I also tried using the unit with a small box loop antenna. The unit had no problem matching the loop to the preamplifier. A noticeable tuning offset occurred, obviously showing that the tuner calibration was altered when the unit "looked at" an electrical equivalent of a short instead of a free whip antenna. It amplified and tuned the loop quite well.

I think this is a worthwhile project, but a few simple design upgrades would make it an excellent unit.

Howdy, Buckaroos! Once again it's time for the DX column that keeps the crowd east of the Mississippi sane... Eastern DX Roundup. The middle frequencies are once again featured, with some very exotic loggings, like Manitoba, Oregon and even..... Schenectady, New York! A big welcome to Frank Merrill, wiping the dust off his pen for the first time in years, and also welcome back to newcomer Gary Heisey. EDXR regulars Ray Bauernhuber and Robert Ritchey round out this interesting column this week. A REMINDER: It's really easy to report to EDXR. Just write down your loggings like



you see them in the column. Frequency, calls, state, city, date and time, what you heard, and your initials. It doesn't have to be typed, just as long as I can decipher it! The back of a parking ticket, grocery list, paper bag, is just fine. PLEASE don't write on both sides of the paper. I cut your loggings into little strips when I put them into frequency order, and if you write on both sides I have to transcribe everything! Please write in! The world could use YOUR DX genius. Here comes the tips!

Reporters this week are:

- (RB-NY) Raymond Bauernhuber, 141-12 243rd Street, Rosedale, NY 11422
Panasonic RF-2800, telescopic antenna and shotgun loop
- (GH-PA) Gary A. Heisey, Box 310, RD#1, Osterburg, PA 16667
- (FM-IL) Frank Merrill, P.O. Box 669, Macomb, IL 61455...on the road:
- (FM-MI-1) Two miles north of the MI-OH line, near Toledo, OH, near the lakeshore, with a 666 foot longwire running SSE-NNW.
- (FM-MI-2) In a farmer's field, 8 miles north of Sylvania, OH using a longwire 1350 feet long running NW-SE. Kenwood R-1000 powered by a car battery in both locations.
- (RCR-PA) Robert C. Ritchey, R.D.#1, Box 738, East Freedom, PA 16637
Realistic DX-160 and 100 foot longwire

- 530 CFHS ON, Fort Frances 1-16 0354 Good with CJFT interference. Repeating tape loop mentions Ontario travel, international bridge, parks, CFOB, and calls. New. (FM-MI-1)+1-18 1820 also heard. (FM-MI-2)
- 540 WARO PA, Cannonsburg 2-11 0130 Noted now as an allnighter with religious format. (GH-PA)
- 560 WFIL PA, Philadelphia. 2-9 1930 Poor with oldies on the Buzz Gardner (?) show. (RB-NY)
- 560 CFOS ON, Owen Sound 2-8 1950 Good with music from Starship. (Real DX-hi-kz) DJ talked about snow and wind. Trading places with another ON station. (GH-PA)
- 580 CKAP ON, Kapuskasing 2-8 2000 Good with rock music and mention of Kapuskasing in spots. Faded out by 2025. (GH-PA)
- 600 WFRM PA, Coudersport 2-9 1040 Fair with C&W music and YL DJ. (GH-PA)
- 600 WVAR WV, Richwood 2-1 1800 Sign off by man, SSB, good. (RCR-PA) (Don't see loggings like this much anymore!-kz)
- 640 WHLO OH, Akron-Canton 2-9 0220 Noted on all night this Monday morning. Used to sign off at 2400. New policy, anyone?(GH-PA)
- 730 CHYR ON, Leamington 2-11 0005 Poor with rock music fighting CKAC in French. ID as "CHYR Radio" and song by Madonna. (GH-PA) (I thought this is now only 710 kHz-are they back?-kz)
- 790 CKSO ON, Sudbury 2-10 0045 Fair with song by Crosby, Stills and Nash and other oldies. Weather report. (GH-PA)
- 790 WWAZ RI, Providence 2-4 1635 Stock report, ID "AM 790 ways" Traffic report, mention of Providence, Fair. Ex-WNPS. (RCR-PA)
- 810 WGY NY, Schenectady 2-8 1630 Fair with Dick Clark's "Rock, Roll, and Remember" show. (RB-NY)

Do you know that you're reading EASTERN DX ROUNDUP ???

- 830 WCCO MN, Minneapolis 1-19 (no time) Noted with silent period, no Alaska or Hawaii heard, but a real treat to even have the now rare chance to try. (FM-MI-2)
- 840 WHAS KY, Louisville 2-9 0225 Noted testing with tones then an open carrier this Monday morning with a weak Spanish speaker underneath. (GH-PA)
- 850 WJAC PA, Johnstown 2-2 This local #2 rated station changes format from C&W to pop oldies on Monday, February 2, according to news report seen on WJAC-TV. (GH-PA)
- 900 CHML ON, Hamilton 2-8 1700 News, sports and weather. Country rock and contemporary music. Heavy interference. (RB-NY)
- 930 WGNT WV, Huntington 2-11 0045 Poor with talknet after news. (GH-PA) (Hometown of Soupy Sales-kz)
- 960 WTCH WI, Shawano (no date or time) Poor and briefly in. Barely got ID. (but my radio was tuned to 920...did they move?)(GH-PA)
- 990 CBW MN, Winnipeg 2-10 2315 Sports, weather, then ID "This is CBC Radio 990 in Winnipeg" then a Radio Manitoba report. Quite a surprise with a big signal. Heavy slop from WCFL, 1000 kHz, Chicago. New to me. (GH-PA)
- 1010 CBR AB, Calgary 1-18 1841 with usual CBC programs, surprisingly early to hear them, SSS, actually. Some KLSS (who's this?-kz) interference, how much power in his PSSA?(FM-MI-2)
- 1070 CBA NB, Moncton 2-9 1955 PSAs, news and weather and "Ideas" feture. (RB-NY)
- 1080 KWJJ OR, Portland 1-18 1945 Playing Juice Newton's "What Can I Do With My Heart?" and power cut in middle of song. Quickly found the phone and called the request line. Announcer verified the record and that they had switched to DA-N. New, and one of my best SSS catches ever.(FM-MI-2)(I'm aghast-kz)
- 1080 KVNI ID, Coeur d'Alene 1-19 0100 "The Station That Grew Up With You" and mentioning, at 0200, that they are NSP. Dominant all morning, wire gave good nulls on bothe powerhouses, with some WCII interference. New, with rock oldies and other IDs, but no ads. How do they survive?(FM-MI-2)(Which 2 Powerhouses?)
- 1100 WYKR VT, Wells River 2-10 1705-1715 with C&W music, local ad, promo for Charlie Daniels concert, ID "WYKR" by female DJ, sign off by man at 1715, mention of 2 kW pre-sunrise, 5kW daylight,SSB, fair over/under WWWE, Cleveland. (RCR-PA)
- 1120 KMOX MO, St.Louis 2-9 2015 Good with call-in show with Cardinal pitcher Ricky Horton. Phone no:436-7900. (RB-NY)
- 1140 CJTR PQ, Trois Rivieres 2-11 0040 Briefly fair on top of WRVA, Richmond, VA, with song in French. (GH-PA)
- 1150 WCRK TN, Morristown 2-10 1814 Poor with song by Anne Murray, ID "This is your hometown station, WCRK, 1150, Morristown." Spot for florist on Main Street and C&W music. (GH-PA)
- 1160 WFEN MI, Fenton 2-10 1840 Good with rock music and prize giveaway, Copping WJJD, Chicago,IL. No KSL, Salt Lake City, yet. (GH-PA)
- 1170 WWVA WV, Wheeling 2-9 2030 Excellent with "Heaven's Peace Plan" with Father Michelli. Talk about Fatima in Portugal. (RB-NY)
- 1190 UNID 2-9 0915 with YL announcer on show "Radio Ads" in tight null of WANN. Could this be WOWO? (GH-PA)
- 1190 WBDY WV, Bluefield 2-10 1755 Fair with stock market report and slogan "Hear The Musicmakers on WBDY." C&W music.(GH-PA)(I thought this was now WCBV-kz)
- 1190 WTPS PA, Hughesville 2-9 0920 Heard ID briefly while trying to ID the UNID above. (GH-PA)(This is it, for sure!-kz)
- 1200 WKOX MA, Framingham 2-10 1710 Fair, in fade of WAGE, Leesburg, VA with "WKOX Journal" and YL announcer. (GH-PA)
- 1200 WBZY PA, New Castle 2-10 1740 Very weak under WAGE, Leesburg, VA with Ronnie Milsap song "Happy Birthday, Baby." (GH-PA)
- 1240 WOBT WI, Rhinelander 1-16 0305 Faded up for ID, after news, perhaps?, and slogan "Your Oldies Station", with rock oldies. (FM-MI-1)
- 1250 CHSM ME, Steinbach 1-16 0146 Classical music, parallel with 1220 kHz, new, have tried for this one many times in the past. NSP. (FM-MI-1)
- 1260 WLKK PA, Erie 2-10 1930 Good with beautiful music format. (GH-PA)
- 1270 WTSN NH, Dover 2-10 2020 Very poor, barely got ID. Sounded like rock music. Fighting WXYT, Detroit. (GH-PA)
- 1270 WHLD NY, Niagara Falls 2-9 0845 Poor and in briefly over WLBR, Lebanon, PA and WCBC, Cumberland, MD. (GH-PA)

Eastern DX Roundup continues.....



WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

To phone in WDXR tips: (206)532-6827

DEADLINES: Tuesdays March 17, March 31, April 14, April 28, May 12, June 2.

REPORTERS FOR THIS ISSUE:

- (TRH) Tim Hall-350 G St. F-1-Chula Vista, CA 92010
ICF-2010, Radio West loop
- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, Radio West loop
- (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, Radio west loop
- (GL) Gary Larson-DX'ing in Glendale, CA
(CL-CA1) DX'ing in Valencia, CA
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138
SP-600, 1500' E. Beverage
- (AWP) Art Peterson-851 31st St.-Richmond, CA 94804
FRG-7, Radio West loop
- (DP) Doug Pifer-4786 Macademia Ct.-Oceanside, CA 02056
FRG-7, MW-1
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

- 1220 KLIP CA, Fowler per call to KLIP, they are still on 1220 kHz, and have not moved to 1210, nor have they been doing any testing on 1210. They don't know when they'll be moving. (RW-CA)
- 1230 KLAV NV, Las Vegas 2/16 0440 call change, ex-KEZD. Faded up o/KGEO/KCBN/KMYL with ID "...7:30 every morning, right here, on KLAV Radio," faded out. Per friend in Las Vegas, they apparently are still the same format they were as KEZD. (RW-CA)

DX TESTS:

- 800 (KQCV) OK, Oklahoma City 2/23 0115-0130 tried but no sign of IRCA test. Just KNKK Utah looping southeast, in null of CKOK looping north-east. Conditions towards Oklahoma were favorable, too, with KOMA-1520 actually atop semi-local KSGO, and WOAI-1200 Texas way over CKDA. But this is a bit far for 250 watts to travel. Thanks anyway, John Zondlo, for arranging it! (BH-WA)
 - 1330 KMBI WA, Spokane 2/21 0400 good to fair on NRC test in KUPL null. Voice ID, march music, Morse code ID's, contemporary music (probably contemporary Christian). Code ID's & music definitely stronger than voice ID's, but most voice ID's readable here. Listened until 0418 tune-out. (BH&NH-WA)
+2/21 0402-0432 poor u/KFAC, KUPL, KHYT with "Star & Stripes Forever" played several times, lots of code ID's, very weak voice ID's by man. New, WA #16. (TRH-CA)
 - 1380 KLPZ AZ, Parker 1/31 0230-0301 fair, fading on NRC DX test. Beach Boys music, live announcements, gave their phone # several times but I was the only caller. Lots of NRC mentions. Surprisingly, quite weaker than I've heard them at SRS & SSS. (TRH-CA)
 - 1560 (KSAJ) KS, Abilene 1/24 0530-0600 not a trace of them on DX test. Would've had a much better chance on a MM, as local XEBG-1550 really splats 1560. (TRH-CA)
-
- 530 TIS CA, Pollock Pines, CALTRANS Hwy. 50 TIS, 1/26 weak-fair generally, 0410-0430, good around 0425. Does not state location or calls, key words for ID are CALTRANS & Highway 50. 21 sec. tape loop. At times the Truckee TIS could be heard (that one says "Interstate 80"). 10 watts per QSL. (AWP-CA)

540 KSHO CA, Hesperia-Los Angeles 2/15 0215 in fair with show tunes. Very little KLAC-570 QRM. (GL-CA)
 ?KSHO?+2/16 0945 tent. under KNAK with time check "15 before 7," partial ID as "----," very poor signal for 1500 watts, if them. (RW-CA)

570 KQNG HI, Lihue very strong way o/KVI with rock music, still heavy rock at night at 0415 on 2/17. Best heard in a while. (PM-OR)
 (Pat, you had this listed as KIPO. It changed calls to KQNG a few weeks ago.-NH)

590 KSSK HI, Honolulu 2/17 fair in mess, mostly on top, with weather at 0420, into Men At Work song on "K-59." (PM-OR)

690 *XETRA* BCN, Tijuana 2/16 0446 off with OC, KHEY possibly in there with C&W. (RW-CA)

750 KOAL UT, Price MM 2/16 0630 good, ID as "KOAL AM-750." Gave 800 number asking listeners to call in to let them know how they were being received (sounds listener friendly, hi). (DP-CA)
 +2/16 2354 country music under KXL's Talknet turned out to be KOAL with good legal ID 0000 and into Ai news, simultaneous with KXL's ID leading into NEC news. New, never logged on 1230. (BH-WA)

820 CHAM ON, Hamilton 2/16 0620 weak but clear u/WBAP. Worked on this all night! Weather (-19°), time check, ment. of fire in Hamilton. C&W music. (DP-CA)

880 (KRVN) NE, Lexington MM 2/9 0340-0531 off tonight & every other night checked. S/on 0531 after brief OC. Thanks John Wilkins for tip in 1/31 WDXR--see WCBS log below! (TRH-CA)
 WCBS NY, New York MM 2/9 0343-0410 poor-fair in KIXI null with news, features, lots of ID's. Ads for Wall Street Journal, PSA for NYC Adoption Hotline. Still there when KRVN s/on at 0531. WQXR-1560 also in well tonight. New, NY #4. (TRH-CA)
 (KMFR) OR, Phoenix MM 2/9 0438 totally off. They seemed to be on about an hour earlier. (TRH-CA) (Believe they still s/off 0400.--NH)
 KIXI WA, Mercer Island-Seattle MM 2/9 0430 fair AN with WCBS. Have they upped night power?? No trace of them in years of trying, then suddenly they're almost a nightly catch. (TRH-CA)

900 KNUI HI, Kahului 2/17 0425 very good o/CJVI with rock music. (PM-OR)

960 KFMY UT, Provo 2/16 0345 good o/u KOOL. "Cool Gold...your best choice for fresh new tunes." (DP-CA)

1000 KVSD CA, Vista Mon. 2/16 0900 began new format today--Newstalk AM 1000 is very much like the old KNNC-1320, with ABC Talkradio, and news from ABC Dirction net & Mutual. Lots of new jingles & slogans including "San Diego's new way to talk." Also noted increase in signal strength about one week before the change--POSSIBLY they're back to full licensed power of 5000/500??(TRH)

1030 (KHMY) CA, Polson MM 2/16 0420 totally off, leaving YFQR R. Centro.(TRH)
 (KTWO) WY, Casper MM 2/16 0420 totally off. No trace of WEZ despite good EC conditions lately. (TRH-CA)

1040 CIOF BC, Vancouver 2/16 0216 poor, many ment. of "1040 AM Radio," but likewise no call letters heard. (DP-CA)

1190 KRDS AZ, Tolleson-Phoenix 2/16 0200 ID "KRDS Tolleson-Phoenix" best o/KPZE ID, worst o/KEX Portland-Vancouver ID. Fair all in about 8 seconds. (DP-CA)

1200 CKDA BC, Victoria 2/23 0100 logged "officially" for the first time since the move from 1220 last July, AdCon music, "West Coast weather," ID by DJ and more music (no newscast). Noted in passing often since July, but this is the first time I waited for an ID. Ironically, not-so-strong signal with some phase-fading, and I had to partly null WOAI to get it. (BH-WA)

1210 (KPRZ) CA, San Marcos SM 2/1 0327 noted off for the first time in about 9 months. KQTL dominated AN. (TRH-CA)

1290 KGVO MT, Missoula 2/16 0500 strong with ID into CBS news in KMEN/KCUB null. Still looking for KVIX. (RW-CA)

1360 (KPOP) CA, San Diego Wed. 2/11 0715 totally off, leaving KLFF, KAMT, XEDI mix. They were on when I went to sleep around 0330. S/on 0736. (TRH-CA)
 KAMT WA, Tacoma 2/11 0717 poor-fair with KPOP off. Lite rock music, "AM 13-60 KAMT" ID's by man. Killed by KPOP OC 0736. (TRH-CA)

1380 KHJJ CA, Lancaster 2/15 0209 in poor with ment. of "KHJ" by male anncr., but not as professional sounding as old orig. KHJ-930. Music was pop & oldies. Some KGER-1390 slop. (GL-CA1)

1400 (KAAP) CA, Santa Paula 2/15 0200 nothing heard here which in past I had heard old station here in this area. (GL-CA1)

1490 *KGHO* WA, Hoquiam 2/16 0444 testing with carrier, 0445 ID, religious record, 0447½ another test ID, "will return to the air at 6am," then off. (BH-WA)

- 1490 KTEL WA, Walla Walla 2/13 0138 fair above noise with phone number given, ID, into C&W song. (PM-OR)
- 1510 WLAC TN, Nashville SM 1/25 0350-0400 fair o/KNSE in KGA null. Relig. program from Apostolic Square in Charleston, SC, ID on hour. (TRH-CA)
- 1560 WQXR NY, New York MM 2/9 0534-0615 fair, dominating channel tonight. Classical music, lots of ID's and weather forecasts. Local news & weather on the hour. Best reception ever. (TRH-CA)
- 1600 KWOW CA, Pomona 2/16 0308 hasn't changed to KMNY as of the time I heard them. Sure wish they wouldn't change. (GL-CA)
- *KUBA* CA, Yuba City SM 1/25 0339 fair with KWOW. C&W music, man with ID "KUBA, conducting tests for equipment performance evaluation." (TRH-CA)

UNIDs:

- 690 2/16 0336 splatter from 680, XETRA with carrier only. Many ID's but all sounded different. ID "Right here on Radio 6-90 K---" temp. 41^o, country music insider. ID sounded like K-A-N-Y, didn't sound like KHEY. Nothing else in my books unless it's new. (DP-CA)
- 800 2/23 0107-0115 who had Dr. Ruth Westheimer's "Sexually Speaking" talk show? Seemed to loop east. Not CKOK which had "E.C. Tonight" news, nor KNKK which was also in. One caller was in Rochester, N.Y. so must be a tape-delay of the NEC version. Is a Canadian such as CHAB possible? I doubt religious KPDQ! Disappeared after 0115, the scheduled start time of the unheard KQCV DX test, which was why I was on the frequency. (BH-WA)
- 1480 2/16 0312 someone atop with religious program in a foreign language. Not Spanish or French; sounded Portugese or Asian. English verses from the Bible intertwined with foreign explanations. Tuned back 0326, religious song, announcements in foreign language with mentions of Los Angeles and ??? America (possibly South America), same religious song, then off air 0332 suddenly at end of song, with no ID of any kind! Based on signal strength & south-southwest bearing, KRED or KAAR are possible, but would they do something like this? KYOS is near the Portugese area of California; is this them? Local KGHO-1490 went off at 0305. (BH-WA)

No time for comments this time. There's a Pittsburgh Penguin hockey game on TV that I must watch!!! ♡

EASTERN DX FORUM

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

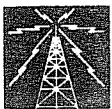
Deadlines: 2/28 3/7 3/14 3/28 4/11 4/25 5/9 5/30 6/27 7/25

Anniversary issue: 3/7

This column typed: 2/21/87

John H. Demmitt, Box A K0848, Bellefonte, Pennsylvania 16823

NEC News reported that Radio Shack realizing AM stereo is in trouble has decided to slash 50% off of their AM stereo receivers. Sounds like a bad signal for AM stereo. Hate to tear myself away from the receiver but in spite of the active DX, there is news to tell so I better say it now or I will forget. The FCC now purposes to allow stations both sides of the Miss. to freely use the "K" or "W" as they wish. If this goes through, it will surely create a lot of new problems for DX'ers as well as the public. Just think of all the stations which will be asking for new calls and all of those corrections to our logs. Going to make the listening a bit more troublesome when it comes to hearing the weak signals behind the nulls, static, etc. NPR announced that the host of Prairie Home Companion is going to retire and go to Denmark where his wife is from. Hmm... maybe that is where Lake Wobegone is located, hi. While listening to Phil Klass, author of "UFO-The Public Deceived", the host of KTAR-620 announced a toll free number as 1-800-527-8255. If anyone is listing talk show numbers for reference, KMOX is 1-800-222-1120 and the number for WBAL is 467-WBAL. WBAL on Sunday had cheaters call up and tell how they cheat on their loved ones. I heard Dr. Ruth over CHML-900 and was surprised that one of the sponsors is a drug store offering condoms in the Hamilton area. Soon we will be hearing these ads on the US stations as well. Maybe they are already on by the time this is printed. Amerika is one of the favorite subjects for many of the talk shows lately. Interesting how so many people have blasted the film before even seeing it. Havana Moon has a book out entitled "Uno, Dos, Cuatro - A guide to the Numbers Stations. The Tiare publication has a section on the FCC and their many attempts to frustrate radio monitors interested in certain types of broadcasts. 73.



Western DX Forum

★ ★ ★ ★

IRCA — The #1 Choice of the Broadcast Band DX'er

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8677

1986 DEADLINES — WEEKLY ON TUESDAY 11 DAYS PRIOR TO PUBLICATION DATE

*****ANNIVERSARY ISSUE*****

Last Call for the Anniversary issue of DXM. This is the traditional time for re-intros. If you've never reported to WDXF before, why not jot down just a few lines, hand-written or typed and double spaced, with some info about yourself, interest in the hobby, etc. Don't worry about your writing ability, I'll fine-tune it here. Sure would love to hear from all of you west of the Mississippi.

And the following week is the APRIL FOOL'S issue. Time for all you creative people out there to have some fun. Have already received a forum from dan d. Receiver; still haven't heard from that wino across the river in W. Sac. who uses the ERBA loop, hi

And now, for the rest of the story - - page two. . .

STEVE MITTMAN, 2248 W. 37th ST., SAN PEDRO, CA 90732-4506 (213) 833-1010

(Cont. from last week. .) Regarding AM stereo being AM's "savior," I thought about it at some length. Even if every car receiver made today had AM stereo, that alone wouldn't be the solution. The reason is, people would never bother flipping over to the AM side. To get to AM, all radios require the flip of a button, and everyone I know always stays on FM. (On some of my friends' and even my own brother's car radios, I've flipped to AM to see which stations they had their push buttons set on, and I was surprised to see them set on 530. . .still left the way the factory had set them!) However, I do think AM can be saved, and it only requires two simple requirements. The FCC is doing (or not doing) all sorts of things to try to save AM, but I firmly believe that these two requirements would do the trick (and furthermore, nothing else will work): First, it should be required that all car radios that cost over \$100 be capable of receiving AM stereo. And secondly, and most importantly, all digital car radios (and they're all digital nowadays) should be designed so that the AM & FM bands are continuous. That is, when you tune past 108 FM, you'd immediately be at 530 AM, and when you tuned past 1610 AM, you'd be at 88 FM. There shouldn't be a switch or button to change bands. Thus, people tuning around in the FM band would accidentally tune in AM without meaning to do so. And if the AM station is in stereo, and playing music they wanted to hear (none of that MYOL garbage), the person would stay with that station, and probably not realize they were listening to AM. (And the AM stations would be playing so-called FM formats because they know that listeners would be accidentally tuning them in.)

Regarding the four systems: The Sansui CX-990 (as with the SRF) can also tune in all four AM stereo systems. But, of course, there are now only two systems in operation: Motorola (now known as Broadcast Electronics) and Kahn. However, the controversy over which system was (and is) the "best" was (and is) simple propaganda. I wasn't able to notice any difference in the quality of the four systems. Stereo is stereo. Of much more importance for fidelity is the simple relative closeness of the stations to the receiver. The closer, the better sound quality.

One quick final note. Perhaps this is a distorted way to look at things, hi, but although I think that AM stereo could possibly save AM stations, I wonder if it would "save our hobby," as Albert suggests. In fact, from a DX'ing point of view, one might hope that AM stations do start falling off the air in order to open up the Clears again, hi. (I'll certainly go for that, hi-Rth.) 73 de SMM.

GENE MARTIN, 3303 E. EVANS AVE., DENVER, CO 80210

(Cont. from last week. .) (Last week, Gene doubted the auroral zone was responsible for non-Japanese reception on the US East Coast.)

I have doubts about the reality of the auroral zone as a permanent feature in the ionosphere of far northern latitudes.

If the auroral zone blocks out Japanese signals en route to the Eastern US, how come it failed to do it way back in the early 1930's?

Finally, I believe if James Hall in Pittsburgh found a carrier on

747, 1047 GMT 31 October, as he reported, the chances are at least 10-to-1 it came from JOIK Sapporo. JOIK is so overwhelmingly dominant there, and the DU's on 747 so trifling, it almost makes 747 a Clear Channel. I think it's a 10-to-1 bet that any signal found on 747 back east is from Japan. Hall's 774 carrier found at the same time might have been Australia, but his 747 signal argues for Japan there too, JOUB. Dr. Wood in Hawaii tells us that Tahiti on 738 runs an open carrier all night, and that would suggest what Hall heard on that frequency rather than Australia. (So THAT's what I've been hearing against KCBS-RtH.)

Quite possibly, Hall is the first eastern DX'er in many years to tune in a signal from Japan. The A-Index was 3 that morning and had been 10 the day before.

The late winter and spring is not too late to hear JOIK at my location. Its final appearance for me last year was 06 May, so eastern DX'ers might well keep checking 747 at least through March, although October to November is traditionally a better time to hear Japan. 73.

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95828 Tele-Forum: (916) 386-8677 to 2200 PLT & ppd

First, Steve, I'm going to pick apart your forum, hi. Remember, you live in the second largest radio market in the US, and decidedly a Rock oriented market. Yes, T40 is dead on AM. BUT, for the over 35 crowd, a lot of us are listening to Rock oldies, C&W, News/Talk and MYoL. The over 35 crowd is also the advertisers "dream" audience. Rock stations may be #1 in the market, but not necessarily #1 in sales (where 16 counts). Here in the 33rd largest market, KRAK (C&W), KFBK (News/Talk), KXOA (MYoL) all AM'ers figure into the Top 10 ratings and its rumored that KFBK is #1 in sales. And until the manufacturers put some "guts" back into the AM side of car radios (like they used to be), people still won't listen to AM stereo. I like your idea of a continuous band; the problem, it probably cost too much to produce. My parent's digital car radio goes part way on that, in that when it reaches 1610 AM it automatically goes to 530 AM, and then from 108 FM to 88 FM.

After bp's observations of oldies stations popping up everywhere on the AM, I noted that Sac. has three. KGNR 1320, KSMJ ("Magic 13-80") and KXOA 1470. Only KXOA is live, the other two automated except for week-day AM and PM drive. I despise listening to automation, probably as a result from working the FM side at KRED. Whenever I tuned in K-92, I always knew which reel was playing at any given time. KGNR says they're stereo, but their fidelity is horrible. KSMJ a better choice. KSMJ also puts an emphasis on the Motown sound.

Still looking for KLIP 1210, day and night. Fresno area stations are quite strong here midday and I used to be bale to null KDPC midday to hear KLIP. Now that they've moved, can't bring 'em in. At night it seems like KASY overwhelms the frequency.

And speaking of Fresno stations, KFRE 940 usually is strong enough at night to slop 930 and 950 a bit, but caught a fairly clear KGRL Bend, Oregon at LSS 22 February, in fact at one point nearly overwhelming KFRE.

Who has American Country Countdown with Bob Kingsley at 0830 PLT Sunday mornings? KORD?

Regarding the term OM and YL. How about M and F? You write that down on dozens of forms and applications. ERC, how does that sound?

Regarding abbreviations. Some have been in use for 60 years and I don't think they're about to change now. The New Member Packet (last time I checked) has a listing of nearly all abbreviations we use. I've tried to pare them down as much as possible, but s/on, s/off are pretty obvious. Even some daily newspapers use them in their TV logs. Then again we could go to the other extreme and call our publication, Distant Transmission Monitor, hi.

Last call for the Anniversary issue. Get those cards and letters rolling on in. See y'all next week and best of DX de RtH. .

To the point Denver Post 2-24-87

The announcement being heard on Denver's KOA Radio — a single sentence, six words long — is certainly one of the strangest, if not briefest, formal utterances ever heard on Denver radio:

"Cheyenne's KUUY has moved to 650."

Huh?

The explanation is as unusual as the message. Two years ago, country-music KUUY moved from 1530 on the dial to 870, only 20 notches from KOA's longtime home at 850. Theoretically, the two stations weren't supposed to interfere with each other in southern Wyoming, but KOA listeners could hear KUUY in the background.

KUUY general manager/chief engineer Wally

Boller says KOA didn't show much concern over the interference for two years, until KOA recently was put up for sale. At that point, says Boller, KOA became interested and helped KUUY move to its current 650, paying the Wyoming station an unspecified sum for its trouble. The brief announcements were part of the deal.

KOA general manager Lee Larsen says his station was always concerned, but it took two years to find a new home for KUUY and complete the paperwork. The announcements will run sporadically for another week or two.

KUUY much stronger on 650 than it was on 870.

Gene Martin

DX WORLDWIDE EAST

JIM HALL
9870 SOFTWATER WAY
COLUMBIA, MARYLAND 21046
U.S.A.

*** NEW ADDRESS ***

Once again I am pleased to return DXW-E to the pages of IRCA's DX Monitor! Please begin using new address immediately -- anything sent to 240 Byron Road in Pittsburgh will reach me with delay as I will only be there occasionally. So, if you've sent a report to Pittsburgh, look for it next week or the following week. For now, we have several excellent reports already on hand. I have no real DX to report as of yet although I've done bandscans (looking mainly for TA's due to my semi-coastal proximity). Nothing outstanding yet although I've noticed that it's much easier to pull audio out of the weaker hets/carriers, i.e. Portugal-666 only fair carrier 2/21 0400a but audio cutting in and out nicely. I'm looking forward to continued TA DXing, and I may even be able to run some mini-bev's into the Little Pawtuxent River in the woods in the backyard, which is conveniently to the East. I believe I'll be able to handle the column without delay although sometime in the (near) future I am required to be in Georgia for 2 months and will have little or no time for club affairs. I would like to thank the individual(s) who nominated me for Board of Directors! As it was, however, I received the notice too late to submit a campaign statement. I sent a statement, though, honoring the nomination and stating acceptance if elected. On with this weeks' DX :

TRANSATLANTIC DX

- 531 ALGERIA/unID, 2237 2/7 : Ain Beida atop w/man in AA; a second stn w/pop mx, prob. Switzerland, was noted under. (Connelly-MA)
- 549 ALGERIA, Les Trembles 2235 2/7 : Woman singing & screaming in AA, o/several others. (Connelly-MA)
- 567 IRELAND, Tullamore 2233 2/7 : Fair to good w/Irish-accented EE talk, then jazz music. (Connelly-MA)
- 585 SPAIN, Madrid 2229 2/7 : SS talk at good level. (Connelly-MA)
- 594 unID's, 2240 2/7 : Mess of carriers, fragments of AA-sounding mx (Morocco or Saudi Arabia?) (Connelly-MA)
- 603 unID's, 2228 2/7 : Jumble, no distinguishable audio. Not a commonly heard TA channel. (Connelly-MA)
- 612 IRELAND, Athlone 2228 2/7 : RTE atop w/Tina Turner hit, EE talk; presumed Morocco u/ w/bits of mx. (Connelly-MA)
- 621 CANARY ISLANDS, Santa Cruz de Tenerife 0247 2/8 : SS talk, poor in slop. (Con-MA)
- 639 SPAIN, La Coruna et al 2227 2/7 : Poor/fair w/SS talk in CBN slop. (Connelly-MA)
- 648 unID's, 2225 2/7 : Growl, rumble, possible AA mx. (Connelly-MA)
- 657 MOROCCO, Laayoune 2224 2/7 : AA talk, in WNBC slop. (Connelly-MA)
- 666 t PORTUGAL, Lisboa 2218 2/7 : Bits of PP talk. Tried 720 (for // ed) but found jumble. (Connelly-MA)
- 675 FRANCE, Marseille 2226 2/7 : Real good (best ever) w/Gershwin-type instru mx, then man in FF. (Connelly-MA)
- 684 SPAIN, 2223 2/7 : Sevilla good w/SS talk & mx, some WRKO slop. (Connelly-MA)
- 693 ENGLAND, Droitwich et al 0407 12/21 : Female pop vocal, EE talk - good. +2222 2/7 BBC documentary, xInt o/SAH from presumed Azores. (Connelly-MA)
- 702 MOROCCO/unID's, 2220 2/7 : Big OC (or poorly modulated carruer) w/AA mx in back-ground. AA mx seemed //711 (though difficult to tell) so probably from Sebaa-Aioun. (Connelly-MA)
- 711 t MOROCCO, Tarfaya 2219 2/7 : XInt w/fast female AA vocal & strings -- clobbering WOR! (Connelly-MA)
+(Layoune) 2218 1/21 : Incessant AA talk - new stn. Fair. (Hakiel-NY)
- 738 SPAIN, Barcelona 2216 2/7 : SS talk, fair. (Connelly-MA)
- 756 WEST GERMANY, Braunschweig/Ravensburg 0605 2/8 : Good w/man & woman in GG. (Con)
- 765 unID, 0203 1/20 : Semi-cl mx, man in EE talk, fair. (Hakiel-NY)
- 774 SENEGAL, Dakar 2210 2/7 : Fair to good w/FF talk. Connelly-MA
SPAIN, synchros. 2208 2/7 : SS talk, in like a local. (Connelly-MA)
+0301 1/10 : Fair, man w/nx in SS, WABC slop. Don't know which Spanish station. (Ross-ON) (There's some 50 and a 60 kW's here. ed)
+0015-0100 1/13 : Very good w/m & w in SS, ment's of Barcelona. EE mx by Billy Joel & Nana Mouskoura. 6 time pips @0100 into SS nx by m/w. (Ross-ON)
- 783 t PORTUGAL, 2340 1/12 : Poor w/EE rock mx, male dj - lang.?? (Ross-ON) (Likely was Portugal, Robert. PP sds/1k a 75% SS & 25% FF mixture. ed)
+(PORT./EAST GERMANY, 2215 2/7 : PP talk o/u opera mx. (Connelly-MA)
- 792 SPAIN, 2207 2/7 : SS talk by man & woman, fair. (Connelly-MA)
- 819 t MOROCCO, 2205 2/7 : AA talk bouncing in & out of strong jumble / growl of competing "somewhat co-channel" carriers. (Connelly-MA)

- 846 ITALY, Rome 2203 2/7 : Loud w/rock mx by Rod Stewart. (Connelly-MA)
 855 SPAIN, Murcia 2202 2/7 : XInt w/SS talk; WHDH phased. (Connelly-MA)
 864 EGYPT, Santah 0232 2/8 : Fair w/AA chants, Holy Quran pgm. (Hakiel-NY)
 873 SPAIN, Zaragoza 2243 2/7 : Loud w/man in SS. (Connelly-MA)
 +2325 1/7 : Poor w/man in SS talk. (Hakiel-NY)
 882 ENGLAND, Washford 2244 2/7 : V. good w/"Homeward Bound" by Simon & Garfunkel, then EE talk. (Connelly-MA)
 +0000 1/13 : Poor/fr w/man in EE w/nx - definite British accent. Into EE rock mx by America. Faded 0009. (Ross-ON) (Nice logging, Robert. ed)
 891 ALGERIA, Algiers 2158 2/7 : Good w/AA female vocal & violins. (Connelly-MA)
 1035 PORTUGAL, Lisboa 2147 2/7 : Good w/PP sports broadcast - fast PP talk by man w/ accompanying crowd noises. (Connelly-MA)
 1062 PORTUGAL, Sao Salvador 2150 2/7 : PP talk in CJRP-1060 slop. (Connelly-MA)
 1179 SWEDEN, Horby 2335 1/5 : Fair w/woman in Swede talk, //6045. (Hakiel-NY)
 1206 FRANCE, Bordeaux 2155 2/7 : FF talk by woman; fair to good. (Connelly-MA)
 1314 NORWAY, Kvitsøy 0249 12/21 : XInt w/modern jazz/New Age mx. +0119 2/8 : "Love Hurts" by Nazareth, then girl in Norwegian. This stn is one of the best TA's during the normally "humdrum" midevening (0000 to 0400z) time period. (Connelly-MA)
 1359 GERMANY D.D.R., Berlin 0517 1/9 : Poor w/instru. mx, GG talk. (Hakiel-NY)
 1375a ST. PIERRE & MIQUELON, 0251 12/21 : V. gd w/"Sledgehammer" by Peter Gabriel. Have noted this station closer to 1374 on occasions (was on 1374.2 for some time. ed). Perhaps this is to increase the pitch of the het from France-1377 (which is probably troublesome not too far from the xmtr site) without decreasing the pitch of the het from WDEA/CFLV/WFEA-1370 too much. (Connelly-MA)
 1377 FRANCE, Lille 0612 1/9 : Fair w/man in FF, pop vocals, FF talk. (Hakiel-NY)
 1386 USSR, Kaliningrad 2348 1/12 : Good w/m & w in EE talk. A regular now. (Hakiel-NY)
 1413 YUGOSLAVIA, Pristina 0447 2/8 : Strong w/AA mx pgm o/presumed Spanish gy's. (Conn)
 1422 WEST GERMANY, Heusweiler 0426 2/8 : Fr-gd w/Alpine mx incl accordions & yodelling, then GG talk. (Connelly-MA)
 1458 ALBANIA, Lushnje 0417 2/8 : Strong w/Slavic talk by man & woman; atop SAH & low-pitched growl. (Connelly-MA)
 1476 SPAIN, 0412 2/8 : SS talk in graveyard-like jumble. (Connelly-MA)
 1494 FRANCE, synchros. 0443 2/8 : FF talk by woman; fair. (Connelly-MA)
 1503 SPAIN, 0501 11/24 : Poor/fair w/SS talk. (Connelly-MA)
POLAND/SPAIN, 0403 2/8 : Stargard/Stettin w/nx by woman in Slavic language o/u Spanish w/SS talk by man; mess of several others noted under. (Connelly-MA)
 + (POLAND), 0558 1/9 : Poor, Chopin IS. (Hakiel-NY)
 1512 BELGIUM, Wolvertem 2050-2057 2/7 : To good peaks (well before sunset); piano music (ragtime, similar to "Entertainer" / Sting theme), then DD-sounding talk. This station is much easier to log now that former Boston powerhouse WMRE-1510 has gone silent. Now at sunset there's just a bit of CJRS/WNLC (New London, CT. ed) QRM with which to contend. (Connelly-MA)
 +0604 1/9 : Fair w/cl mx, DD talk? (Hakiel-NY) (Very likely DD. ed)
 1521 SAUDI ARABIA, Jeddah 2133 1/24 : Fair/good, AA mx/talk. (Hakiel-NY)
SAUDI ARABIA, Duba 0257 12/21 : OC, then AA mx at s/on. Rock-crushing signal; should be receivable worldwide. +0319 2/8 : AA a-cappella chanting, at staggering level, totally destroying WWKB (phasing out the Saudi was necessary to extract audio from WWKB). (Connelly-MA)
CZECHOSLOVAKIA, Kosice 0528-0530 2/8 : Strong w/semi-classical orchestral mx, then man & woman in Slavic language. (Connelly-MA)
 1530 VATICAN, Vatican City 0333 2/8 : Choir mx (//1611); atop WCKY. (Connelly-MA)
 1539 WEST GERMANY, Langenberg 0440 2/8 : Filk & operatic GG vocal mx, excellent with WPTR phased. (Connelly-MA) (Oops, sorry - city is Mainflingen here. ed)
 1557 MALTA, Cyclops 0358 2/8 : XInt w/10-note Deutsche Welle IS, brief GG announcement by man, then IS again. (Connelly-MA)
 1566 SWITZERLAND, Sarnen 0454 11/24 : V. good w/"That's What Friends Are For" by Dionne Warwick (& Stevie Wonder? ed), then GG talk. (Connelly-MA)
TUNISIA, Sfax 2212 1/6 : Good -- AA chants. (Hakiel-NY)
 1575 SPAIN, Cordoba 0457 11/24 : Dominant here instred of usual Portugal. SS talk, good. (Connelly-MA)
 1584 SPAIN, 0612 2/8 : Loud w/Abba song, then GG male vocal. (Connelly-MA)
 1593 WEST GERMANY, Langenberg 0356 2/8 : Good w/SS talk, o/others. (Connelly-MA) (Please reverse the pgm details for the last 2 loggings; it's 3AM. ed)
 1593.6 unID, 0338 12/21 : Low-pitched weak het on high side of Langenberg. (Connelly-MA)
 1602 SPAIN, 0456 11/24 : SS talk fr/gd o/SAH rumble & WUNR slop. (Connelly-MA)
 1611 VATICAN, Vatican City 0332 2/8 : Harp mx, then choir mx //1530. Signal stronger than Anguilla-1610 at times. (Connelly-MA) (I've noticed same once or twice in Pgh. Mark. ed)

P A N - A M E R I C A N A D X

- 590 CUBA, 0040 2/6 : Believe it or not there is a R. Relej here, weak u/MLVA. R. Rebelde not here tonite - Relej-570 now absent. Suspect 590 Rebelde is being overhauled and freq. is being reserved by Relej? (Demitt-PA) (Possible, but Cuba seems to take any channel that's convenient to them and their "domestic service" QRM outlets. ed)

665 EL SALVADOR, San Salvador YSS 0301 1/23 : VG, nice signal. Man w/SS nx. (Ross-ON)
 670 VENEZUELA, Caracas VVLL 0250 12/31 : Over WMAQ w/lively SS pops/balads, ID by man
 as "Rumbos". (Ross-ON)
 760 CUBA, 0040 12/31 : Radio Reloj w/man in SS nx, clock ticks & ID on minute. Under
 WJR. (Ross-O.)
 780 VENEZUELA, San Cristobal YVOD 0140 12/31 : in WBBM null; Talk by man & woman - no
 mx. ID by man "Ecos del Torbes" in SS, //4980. (Ross-ON)
 810 COLOMBIA, Bogota HJCY 0230 12/30 : In WGY null; SS pops-lively mx. ID on 1/2 hr
 "Sutatenza". (Ross-ON)
 885 MONTERRAT, Plymouth ZJB 0318 2/8 : Good w/'Let's Dnace' by David Bowie. (Connelly)
 1555 CAYMAN ISLANDS, Gun Bluff 0359 2/8 : AdCon pop mx, fair w/bad slop & het from much
 stronger Malta-1557. (Connelly-MA)
 1575 DOMINICAN REPUBLIC, Santo Domingo HIAG 0258 1/11 : Good, ID as "R. Amanecer". From
 1570 - not the usual Latin fmt. (Hakiel-NY) (See my previous log of this as well. ed

+ + + + + + + + + + + + + + +

Thanks to the following for their various letters at al: Robert S. Ross, Tim Hall,
 John H. Demmitt, Nick Hall-Patch, Richard Eckman, Gene Martin, and Richard Segalas, and anyone
 else who has recently contacted me. Delays in replying or other are due to my move to MD.
 Next week I will detail some of the letters rec'd here in DXWW-E, so look for them DXers.....

CREDITS :

(Demmitt-PA) John H. Demmitt, Box A #K0848, Bellefonte, PA 16823
 (rx/ant.)
 (Hakiel-NY) George Hakiel, 739 Van Buren Ave. West Islip, NY 11798
 (RACAL 6790, ICOM R71A, 1w's, loops, phasing unit)
 (Connelly-MA) Mark Connelly, 7 Trowbridge Path, West Yarmouth, MA 02673
 (KENWOOD R-600, 2 37-metre wires w/phasing unit. 'Back from El Paso....')
 (Ross-ON) Robert S. Ross, Box 4373, Stn. C, London, ON CANADA N5W 5J2
 (Sony 2010, KENWOOD TS430S, 4' box lopp, 100' longwire)

DX Worldwide - West



PAT MARTIN

P.O. BOX 843

SEASIDE, OR 97138

Time: UTC phone (503) 861-3185

DEADLINES: 3/10, 3/17, 3/24, 3/31

Some DX has been coming in from a few DXers. According to most DXers at
 Bruce Portzers annual get together, foreign MW DX has been very poor. Lets
 hope things do improve. Even the DU DXers in Australia and New Zealand have
 been complaining about conditions. Received a nice list of Hawaiian address
 changes from Dale Park. See after the Roundups. Thanks for the info. Also
 Dale thanks for the tip on KQNG, ex KIP0. On with reports:

PAN-AMERICAN DX ROUNDUP

1610 ANGUILLA, The Valley-Caribbean Beacon in well in the 1st week in
 Feb. On 2/2 varied from good to down in the mud 0935-1025. Hymns
 before 1000, good ID on hour. On 2/7 caught s/on at 0854.58 w/
 Hawaiian type steel guitar, ID, Bible verse for the day, TC in AST
 Then at 0900 TC and date and a full outline of the days programs.
 Good at times but w/splash QRM from KUBA-1600 and KWOW-1600.
 Reported. (AWP-CA)
 t +Also logged at 1002 2/17 man talking rarely readable at best. Rel.
 sermon Woman talking after 1020. Choral music near the last half
 hour. No ID noted. Faded out before 1100. Ten. for Anguilla. TIS
 signals from Puget Sound weaker than ever (JW-OR)

TRANS-PACIFIC DX ROUNDUP

- 531 JAPAN, Morioka-JOQG NHK1 in fair to good 1045-1100 2/16 w/monologue in JJ by man, NHK pips on hour. Best signal in at least a couple of years. (AWP-CA)
- 540 CHINA, C1 synchro weak w/Chinese pips 1000 1/12. First time I have hrd China on 540 KHZ since the 9KHZ shift. (AWP-CA)
- 590 HAWAII, Lihue-KQNG, ex KIPO, hrd after the tip rec. from Dale Park. noted in fair to good way o/KVI and others from Hawaiian pgm until 0700. Then ID calling themselves "KQNG (KONG) of Kauai" then later tuned in w/rr mx and "KQNG (KONG of Kauai" IDs at 0835 2/24. Now I have heard them on 1350 as KTOH, KIVM, and KIPO, then on 570 as KIPO and now KQNG through the years. I never did catch them on 1490 KHZ years ago with 250 watts. (PM-OR)
- 720 HAWAII, Eleele-KUAI on 2/7 at 0750 noted off the air. Still off later that day so I had a KQNG DJ call them up, he reported on the air the stations main transmitter broke down and the back up blew t Noted back on at recheck 2/8 at 0400. (5P-HI)
- 830 HAWAII, Honolulu-KIKI 2/17 1112 MOR oldies, ID, PSA for 4H in Hawaii. Best signal this season. No sign of WCCO (JW-OR)
- 1098 MARSHALL ISLANDS, Majuro WSZO 2/15 0952, Marshallese? Noted w/loc. island mx, then a woman w/talk mentioning BBC twice, possible ID into chorus singing, off at 1001, So WRTH 87 is wrong since it say sign off on Sundays at 1200. Language sounded like Tagalog or Ilokano, both from Philippines. (5P-HI)
- 1110 HAWAII, Kihei-KHEI Per phone call 2/19 the stations "satellite net work (KLAN-600-Lanai, KLAH-700-Lahaina, and KMOL-810-Molokai) are on the air, but the DJ didn't know what the powers were. If the relays are on I can't hear them, so the wattage must be small. No mention of this in broadcasting of FCC-Honolulu has no words either. (5P-HI) (I'll be trying for them here, Dave PM)

UPDATED HAWAIIAN ADDRESSES:

- KQNG-570-2956 Aukele Street, Suite D103, Lihue, Kauai, Hawaii 96766-1462
Or Post Office Box 1748-Lihue, Kauai, Hawaii 96766, Phone: (AC 808) 245-9527 or 946-6202.
- KORL-650-Old Pan Am Building, 1600 Kapiolani Blvd-Suite 222, Honolulu, Hawaii 96814-3714, Phone (808) 943-0650 or 947-5675.
- KAHU-1060-400Hualani Street, Hilo Hawaii 96720-4312 or Post Office Box 4666 Hilo, Hawaii 96721-1666, Phone (808) 935-9138.
- KHEI-1110-Kealia Beach Plaza, 101 North Kihei Road, Kihei, Hawaii 96753-8828
Phone (808) 879-7702.

THANKS TO THESE REPORTERS:

- 5P-HI DALE PARK-2253 Kanealii Avenue-Honolulu, Hawaii 96813
Realistic Minisette 16
- AWP-CA ART PETERSON-851 31st Street-Richmond, California 94804
FRG-7, Radio West Loop, Longwire
- JW-OR JACK WOODS-Post Office Box 1003-Waldport, Oregon 97393
ICF-2010, Martens Loop
- PM-OR YER EDITOR
SP-600, 200' NE/SW Term. LW, 1500' East Beverage, Ground System

AM isn't turning on many listeners

By Neill Borowski
Inquirer Staff Writer

Stereo broadcasting on AM radio — once seen as a way to bolster AM's rapidly sagging share of the listening audience — has fizzled.

Although stereo is the norm on FM radio, the development of AM stereo has been hampered by too few stations installing stereo transmitters, too few manufacturers making receivers and too few listeners who seem to care.

Indeed, interest has been so slight that mass merchandiser Radio Shack has cut in half the price of its AM stereo receiver and tagged it for a nationwide clearance sale.

"AM stereo really is not on everyone's wish list for products. It's being

driven by the broadcasters and not by the consumers," said Robert B. Miller, Radio Shack's merchandising vice president, who added that his chain isn't "making any more until we see what sells."

Special receivers like Radio Shack's are needed to pick up AM stereo. Like FM stereo radios, AM receivers have little bulbs that light when a station is broadcasting in stereo.

AM stereo's decline cannot be chronicled because it never rose. Although some in the industry believed that stereo could put AM on a near-equal technical footing with FM radio, only about 10 percent of the nation's 4,863 AM stations have broadcast in stereo since it was per-

mitted by the Federal Communications Commission in 1982, according to a government report on AM radio released last week.

By comparison, nearly all of the nation's 5,205 FM radio stations now broadcast in stereo. They have been authorized to do so since 1961, when FM was a relatively undeveloped radio band and the FCC was trying to spur its growth.

AM stereo "has been a fiasco... It's done just absolutely nothing to stall AM's decline," said James H. Duncan Jr., an industry analyst who publishes Duncan's Radio Market Guide. In 1986, FM held more than 70 percent of the radio audience — a market share that probably will grow to 75 percent to 80 percent by the early

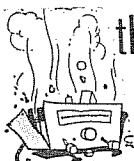
Continued
on page
23

The Great American T-Shirt Auction

We have several radio station T-Shirts sitting around IRCA headquarters, all of them in need of an owner. In the past, they have been donated to the auction at the summer convention. This time we are going to try something different, auctioning them off in "DX Monitor". This way, all club members will have a chance to buy them.

Each shirt will be sold to the person who has submitted the highest bid by March 31, 1987. During the auction (mid-February and early March), we plan to print the most recent high bid for each shirt. That way, if someone outbids you, you can submit a higher bid. The rules are simple. Minimum bid is \$2.00 per shirt. Postage costs will be added to the price of the shirt. The winners will be announced sometime in April 1987. Please include the number of the shirt you are bidding on. Send all bids to: Phil Bytheway, 9705 Mary North West, Seattle, WA 98117, or phone (206) 784-5145 (no collect calls).

1. Size M. 50% cotton/50% polyester. Dark blue with yellow sleeve inserts and neck ring. "KSOK" and "1280" with KSOK underlined in yellow on front. Slightly worn.
 2. Size XL. 50% cotton/50% polyester. Light blue with dark blue rectangle on front with "Seattle's Hit Radio" in white and "K-PLUS FM" in yellow and pink and "101.5" in white inside rectangle. Almost new.
 3. Size M. 50% cotton/50% polyester. Light blue with dark blue rectangle on front with "Seattle's Hit Radio" in white and "K-PLUS FM" in yellow and pink and "101.5" in white inside rectangle. Almost new.
 4. Size M. 50% cotton/50% polyester. Blue with "KEED 1450" in red and white on back. "Wrangler" and "COUNTRY SHOWDOWN" in yellow outline on front. Also on front, yellow outline of horse and picture of band. Almost new.
 5. Size XL(46-48). 50% cotton/50% polyester. Yellow with brown chicken wearing a "KOMO" T-Shirt. Also brown "KOMO DOES THE", "PUYALLUP", "AM RADIO 1000" and "TV4" below chicken. New.
 6. Size M(38-40). 50% cotton/50% polyester. Yellow with "KMPS", "FM 94.1" and "AM 1300" in black and "REGISTERED LISTENER" in red on front. Slightly worn.
 7. Size M(38-40). 50% cotton/50% Kodel. Blue with light blue mountains and trees on front. Also "KJZZ", "1540 AM" and "REI" in light blue and "1983", "Run for" and "the hills" in white on front. Almost new.
 8. Size L. 100% polyester. Blue grey baseball shirt with red and blue neck ring and "el paso", "diablos" and "7" in red on front. "NEWS" and "KVIA TV EL PASO" in blue and large "7" in blue and yellow on back. New.
 9. Size L. Red with yellow go-cart with "Radio 123" license and "Herfy's" and "MARYSVILLE ROADRACE" in yellow on front. Similar go-cart with "Herfy's" license and "I've Been To The Big One!", "Radio", "123", "KWYZ" and "MARYSVILLE ROADRACE" in yellow on back. Almost new.
 10. Size L(42-44). 50% cotton/50% polyester. Brown with picture of wave and "WWRC" in yellow on front. New.
 11. Size L(42-44). 50% cotton/50% polyester. White with yellow-orange sun and "Stereo Rock" in orange on front. Also "KSNR 96 FM" in yellow with red trim on front. Almost new.
 12. Size L(42-44). 75% cotton/25% polyester. White with yellow sleeves and neck ring. A "Squirt" can in yellow, red and green and "I'm a big SQUIRT", "from", "KRKO" and "RADIO 14" in black on front. The "KRKO" is slightly faded, otherwise good.
 13. Size S(34-36). 50% cotton/50% polyester. Grey short shirt with dark brown 3/4 length sleeves. "KZOK 102.5 FM" in black and orange on front. "KZOK ... all rock and roll and no B.S." in black on back. Good.
 14. Size M. 50% cotton/50% polyester. Beige with "I love chocolate. K-Lite 95.7 FM FACTORIA SQUARE" in brown on front. Good.
 15. Size M. 100% cotton. Peach shirt made in Guatemala. Large brown bull with "KFM 92 1/2" in orange below bull and "Texas Radio" in orange below that on front. Good.
 16. Size M(38-40). 50% cotton/50% polyester. Light orange with picture of "KTAC 85 Treasure Card" in blue on front. Good.
 17. Size L(42-44). 100% cotton. Dark yellow with black sun and "KJRB 790" in the shirt color inside of sun on front. Also "SPOKANE'S BEST MUSIC" in black on front. In 6 lines "KJRB's trip to Seattle to see the Bee Gees in concert July 13, 1979" in black on back. Good.
 18. Size M(38-40). 100% cotton. White with "Rainier Beer's 1986 R-rated Mountain Fresh Softball Tournament" in red with Rainier "R-BO Invitational" in red on front. Also "KUTI 980/KXDD FM 104" logo in black and blue and picture of glove, ball, bat and ball on black on front. Good.
 19. Size L(42-44). 100% kodel polyester. Light blue with "KSOP" in dark blue and red fancy lettering, "25TH" and "ANNIVERSARY" in red, "1955" and "1980" in dark blue on front. Also, picture of KSOP guitar in red and dark blue with "AM/1370" and "FM/104" over and under on front. New.
 20. Size L. 100% cotton. Light blue with color picture of Pele playing soccer on front. "KIRO Newsradio" and large "71" in dark blue on back. New.
 21. Size M(38-40). 50% cotton/50% polyester. Black with "I GOT", "KAYO'd" and "PUNCH 1150am" in white on front. Practically new.
- Not a T-Shirt but same rules apply!
22. Pull over knit ski hat with white pom pom on top. White and green with "92 KZAM" in white on green top and "*SEATTLE*" in green on white bottom. New.



the inca technical column

Editor: Nick Hall-Patch
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A MW DXer's view of the Kenwood R-5000

Don Moman's Kenwood R-5000 review (soon to be printed/already been printed in this illustrious journal) tells you virtually everything you need to know about this new receiver. However, I thought I might add a few words from the MW DXer's viewpoint, as I was fortunate enough to be able to put Don's R-5000 to a MW-only listening test.

First of all, there is that automatic attenuation on MW which is common to many modern day sets. In a really quiet situation, this attenuation may make it impossible to hear very weak signals, but in comparing the R-5000 with an ICOM IC-R71 with Shortwave Horizon's preamp modification, there was little advantage to the R71's extra gain during the period that I listened. Overload from really strong local signals can occur, but any overload noted was also apparent on the R71.

There are a couple of fairly major problems with this set when DXing the AM BCB however. First, the S-meter is rather poorly set up. An S-meter is supposed to indicate the strength of the carrier of the received signal, but the meter on the R-5000 shows modulation peaks of the signal superimposed on the carrier strength; that is, the meter jumps around, following the audio strength of a signal, regardless of AGC setting. It's not particularly good for spotting nulls when using a loop or a phasing unit because it's hard to identify your antenna's deepest null of the signal when the meter is fluctuating anyway.

Secondly, if you set up the R-5000 to listen in the AM mode (this set had already been modified with the improved 6 kHz filter), then neither AGC speed is really appropriate to trying to dig out DX in the splatter sodden conditions of the MW band. Even though Don found the fast AGC a tad too quick for general listening, I found that it was still hung up by BCB splatter peaks in most situation. So, in general DX affected by splatter is rough to copy in the AM setting, whether you choose the narrow or wide IF selectivity. However, switching to "USB" or "LSB" presents quite a different picture, although you must zero beat your desired signal with the set's fixed BFO (popularly known as ECSS tuning, more accurately as "non-synchronous heterodyne detection"). Often, the splatter laden signal was considerably cleaner using USB/LSB. In this mode signal improvement does not seem overly dependent on choice of IF filter, so perhaps different AGC speeds are automatically chosen in sideband modes. Whatever it is, USB/LSB can certainly make a difference. The ability to select upper or lower sideband with a push of a button is a big plus to the DXer, as the sideband with least interference can be chosen at once without any retuning. I suspect I would DX almost entirely in sideband mode if I used this set. One quirk to note is that audio output level is higher in the AM mode compared with the USB/LSB mode, which may lead to ringing ears if you switch from sideband to AM.

Other than that, I can only reiterate Don's findings. The possibility of separating mode from the choice of IF filters is a plus for the DXer, but would be more helpful if the AM mode was more useable in tight situations. The "notch" seems to work fine even if it is AF rather than IF, but that keyboard is a real pain with its left-handed location and all the button punching necessary to enter a frequency.

The R-5000 is not a set to be spurned entirely by the MW DXer, but something needs to be done about the S-meter and those AGC constants. A separate keyboard in lieu of the stock one would be nice especially if all those leading zeros could be eliminated in the process. Myself, I'm going back to work on my homebrew receiver, hi.

---NHP

* * * * *

The Lowe HF125 General Coverage Receiver

This English entry into the receiver market looks deceptively simple, but it seems to include quite a number of features in its 255 x 100 x 200 mm (WxHxD) frame. It covers 30 kHz-30 MHz using a digital display accurate to 1 kHz, and receives AM/USB/LSB/CW with 4 selectable IF filter bandwidths from 2.5 to 10 kHz, as well as a 400 Hz audio filter for CW. Also in its stock form are 30 memories, accessible via the tuning knob and shown on the

display; a noise blanker is also stock.

Options include an FM/"synchronous AM" detector (I have no details on this), as well as a separate keypad for frequency entry and a "portable option": a rechargeable battery pack and active whip antenna.

Sensitivity is claimed at .7 uV in AM above 500 kHz; -60 dB figures are not given for the IF filters, so selectivity is perhaps questionable. Dynamic range is given as "greater than 90 dB at 50 kHz from tuned frequency" which is not quite Icom R-71 standard, and image and spurious response are at least 80 dB down.

This set is slated for release in March 1987 (a review has already appeared in "Contact", an English DX bulletin, but I haven't seen it yet), and its basic price is quoted as £375, about US\$570. This price includes the British value-added tax (15%?) which does not apply to exported units, but shipping and local import duties would have to be taken into account outside the UK.

* * * *

A brief note on the Sony ICF-2010

This nifty portable was reviewed in DXM #719 (April 27, 1985). It is not to be ignored by the MW DXer, as it is reasonably sensitive and selective with a pretty good dynamic range, as well as good audio and a well-thought out keyboard/knob tuning and memory system. As well, the 10-LED "S-meter" is quite useful, the synchronous detector can be handy at times, and the internal loop is bypassed when an external antenna is used. If one has SW interests as well, it's quite a nice little package.

One question for other users of the 2010 however. I can find my strong locals turning up ±25, 50 and 75 kHz away from their assigned frequencies. Another 2010 from the same batch showed such spurs about ±23 kHz away, but yet another one from a different batch showed no such spurs. Anybody else noted these?

* * * *

.....and finally, having now built the broadband RF amplifier described in the technical column of DX Monitor #742, I must mention one substitution to the circuit for best results. The recommended ferrite balun core doesn't seem to work well below 1 MHz, causing loss of gain, and variations in the amplifier's input impedance. The BLN 73-201 balun core from Amidon Associates seems to be a good choice. Unfortunately, it is no longer in their price list, but the BLN 73-202 looks like a reasonable substitute.

Continued from page 20

1990s before leveling off, he said.

Of Philadelphia's AM stations, only KYW-AM (1060), the all-news station that is the city's leading AM outlet, broadcasts in stereo. WCZN-AM (1590), a country-music station in Aston, also broadcasts in stereo, as does WDEL-AM (1150), a Wilmington adult-contemporary music station. All use a system designed by Motorola Inc.

The new owners of WFIL-AM (560), a Philadelphia oldies station, expect the station to broadcast in stereo sometime this year. The old management at WFIL has shut down a stereo system designed by Kahn Communications Inc. that was switched on at the station in 1982.

One of the biggest obstacles that AM stereo has faced is that the two electronics firms in the business — Motorola and Kahn — designed competing systems that aren't compatible.

The FCC refused to designate a standard, and many broadcasters have been reluctant to commit to one system.

Of the more than 7 million AM stereo receivers that have been manufactured — most are installed in new cars — nearly all can receive only Motorola's stereo system. An estimated 363 stations broadcast in Motorola stereo and 100 in Kahn stereo.

Although the 7 million is a tiny fraction of the total 500 million AM receivers in the public's hands, it is enough to have encouraged some broadcasters to begin installing the Motorola system.

"This is almost the chicken or the egg," said Roy Shapiro, general manager of KYW-AM, which began broadcasting in stereo last month.

"We are going to be the chicken, and we are going to be the egg," Shapiro said. KYW plans to educate the public about AM stereo and to try to work with retailers to build a market for AM stereo receivers, he said.

Why would a station that plays no music bother to have a stereo signal?

Shapiro says stereo enhances the overall tone of the station — even for those who have mono radios. And advertisers have stereophonic commercials, which may grab listeners' attention more than commercials heard in mono.

Shapiro doesn't see AM stereo as the answer to all of the AM band's troubles. "It may not be a payoff for today," he said, but adding stereo to AM with other technical improvements may help to stall the band's decline and even lure back some listeners from FM.

The government last week addressed AM's problems in a National Telecommunications and Information Administration report that urged the development of AM receivers

Philadelphia Enquirer
February 15, 1987

via Rick Evans

ers that can pick up both the Motorola and Kahn signals.

Calling AM radio a "low-tech" medium, NTIA Director Alfred Sikes said at a news conference last week that the government had nurtured FM's growth without implementing improvements for AM radio.

Some radio stations have switched to AM stereo and are widely promoting it.

WCZN-AM, an Aston-based station that promotes itself as the "Country Cousin," has given away 500 AM stereo radios since it went on the air with stereo in December 1985, said WCZN owner Lloyd B. Roach.

Stereo can help the AM band, said Roach. "We need a couple of more big guys like KYW to do it," he said.

C. Robert Taylor, president of WDEL-AM in Wilmington, said that although AM stereo can help attract new listeners, it cannot solve all AM's problems.

"It's going to put it on a more competitive footing than FM," he said, but "the programming is what attracts."

THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the AM Broadcast Band (510 - 1630 KHz). "DX Monitor", the official publication of the IRCA, is published 34 times a year, weekly from October to March, twice in September and April, and monthly from May to August. "DX Monitor" contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.



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