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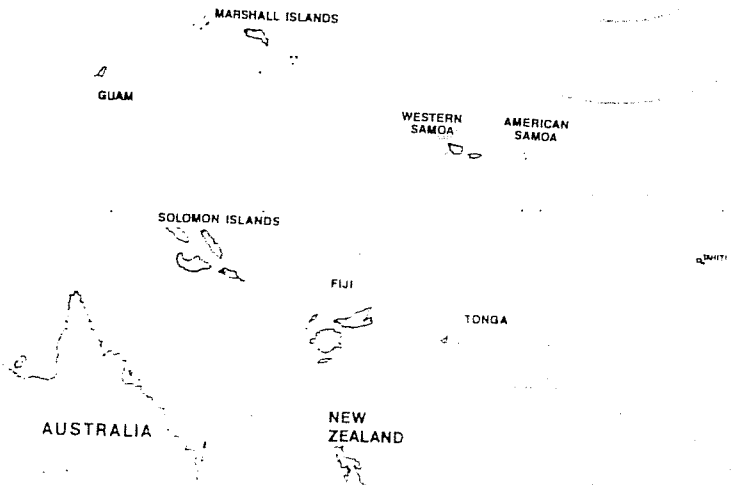
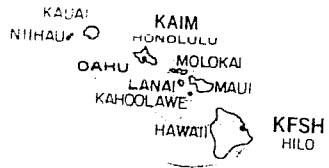
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**KAIM 870KHz-AM-95.5MHz-FM  
HONOLULU 50.000 WATTS**

*"A voice for God from  
the Land of Aloha to  
the Pacific Basin"*



## BROADCASTING INFORMATION

Greg Monti, 1301 S. Cleveland St. #356, Arlington, VA 22204-4848  
prepared 26 July 1987

call	kHz	day/night	at city
KSHD	540	1500/210	CA Hasperia wants 25000/210
WARO	540	1000/	PA Canonsburg granted WWCN (still has ungranted appli for 1000/500)
WASG	550	3900/	AL Atmore granted 700/
appl	610	1000/500	PR Patillas
WCQR	640	10000/1000	TN Blountville wants extension of time to construct
appl	660	10000/	NC Bethel
appl	670	5000/	NC Kitty Hawk
appl	670	20000/	VA Claremont
appl	670	4000/	VA Midlothian
WGTW	680	25000/10000	GA North Atlanta granted WCNN (again)
WNZK	690	5000/	MI Westland granted 1000/
appl	700	50000/	GA Cusetta
KUET	710	5000/	AZ Black Canyon City wants to delete nighttime operation (I show them as a daytime which once applied for night operation but had the application returned, so not currently nighttime authorized)
—KWOW	730	500/	ID Boise granted KIZN
WCPT	730	5000/42	VA Alexandria call change to WPRD canned, still WCPT
new	760	500/	NC Morganton granted WCIS
WKZY	770	10000/1000	FL North Fort Myers granted WIKX
WTNY	790	1000/1000	NY Watertown application for 5000/1000 returned
—KAFE	810	5000/	NM Santa Fe granted KMIK
appl	810	1400/	VA Dubiin (reapplies with lower power and new freq)
appl	820	2300/200	VA Cloverdale
WGCN	830	5000/500	SC Sans Souci requests extension of time to construct
WQKA	850	5000/	NY Penn Yan appli for 1000/ returned
WAEC	860	5000/	GA Atlanta wants 5000/500
WTEL	860	10000/	PA Philadelphia wants 10000/500
WQRX	870	1000/	AL Valley Head granted 10000/
KROL	870	300/500	NV East Las Vegas wants 5000/500 (this is the synchro repeater, not the main station in Laughlin)
new	890	10000/1000	TX Laredo requests extension of time to construct (see also 1490 Laredo TX below)
KBIF	900	1000/	CA Fresno granted 1000/500
WVJD	900	5000/	GA Savannah granted WEAS (again)
WZXM	900	1000/	MI Gaylord granted WMJZ (WGPG never used)
KBIG	910	1000/	MT Billings appli for 890 kHz and 50000/500 returned
WNBG	930	470/470	TN Waynesboro granted WTNR
KAJR	930	5000/500	WA Union Gap granted KZTA
appl	940	2500/	GA Rincon application returned
appl	940	1000/	NC Raleigh application dismissed
—KKIC	950	3500/5000	ID Meridian granted KJHY
WUPY	970	5000/	MI Ishpeming granted WMVN (again)
WPGA	980	1000/	GA Perry wants 5000/
WYAT	990	250/	LA New Orleans granted 1000/400
KRMO	990	250/	MD Monett granted 2500/
WRRS	990	250/	WI Mayville wants 500/
KBIB	1000	1000/	TX Marion wants extension of time to construct
WBSH	1020	500/	AL Heflin application to reinstate expired construction permit for new station denied
WOOB	1030	10000/1000	AL Leeds requests extension of time to construct
appl	1030	5000/1000	FL Fort Pierce
appl	1030	25000/500	FL Gviedo
WNOW	1030	10000/	NC Mint Hill granted reinstatement of expired CP
appl	1030	5000/1000	TX Tye (reapplies)
new	1040	4700/1000	NJ Flemington granted construction permit (corrects day power shown earlier as 5000)
appl	1040	5000/1000	NY Delmar granted construction permit (corrects day power shown earlier as 25000)
appl	1040	???	NY Oswego application dismissed
WAMN	1040	5000/	WV Green Valley wants extension of time to construct

MNTA 1050	5000/	MT Kinsey granted 10000 (still has ungranted appl. for Miles City MT. no power change)
WSEN 1150	1000	NY Baldwinsville granted 780 kHz and 7500/
WTFP 1150	2500/2500	MA Natick granted WBIV
appl 1060	5000/	TX Hawley (resplies)
WANN 1170	10000/	FL Tallahassee granted WNUV
WUSA 1170	10000/	CP West Klamath granted new CP to replace expired CP
KANN 1090	5000	UT Ogden wants extension of time for move to Roy UT and 1110 kHz and 10000/1000
appl 1100	1000/2500	TX Bridge City application returned
WISD 1110	5000/5000	WA Oak Harbor granted KJTT
net 1120	1000	AL Hobson City granted WHDX
appl 1120	1500/1000	CA Santa Maria (resplies)
WKGW 1120	2500/	PA Oil City granted 1000/
WQED 1130	7500/	PR Guvenilla granted 250.700
WDLW 1140	1000/	OH Mansfield appl for 1160 kHz and 500/1000 dismissed
WSPC 1141	1000	VA Saint Paul granted 2500/
WCCS 1150	5000/1000	PA Homer City wants 10000/1000 (still has ungranted appl for 5000/750)
appl 1160	10000/1000	VA Chuckatuck application returned
new 1160	5000/250	VA Fieldale granted construction permit
KJNP 1170	5000/50000	AK North Pole wants 50000/23000 (nondirectional night)
WDXN 1170	5000	NC Claremont granted 10000 (still has ungranted appl for 7700/)
new 1170	2500/	VA Lynchburg granted construction permit
appl 1180	10000/	TN Knoxville (resplies)
new 1180	4500/	VA Danville granted construction permit
WGUY 1200	10000/10000	ME Brewer granted WKIT
appl 1200	10000/1000	VA Salem application dismissed
WASE 1210	1000/	NC Wadesboro granted 1340 kHz and 500/1000
KASY 1210	50000/1000	WA Auburn application for 50000/10000 returned
KMYL 1230	1000/250	AZ Phoenix granted KAMJ (still has ungranted appl for 550 kHz and 1000/1000)
WLCK 1250	500/	KY Scottsville granted 1000/
KNWZ 1270	1000/	CA Palm Desert wants Thousand Palms CA and 4000/590
WHTT 1270	5000/5000	FL Tallahassee granted WANN
KBRD 1280	5000/5000	CO Denver granted KXXL
WPXY 1280	5000/5000	NY Rochester call change to WAHV set aside without being used, WPXY remains assigned
KQAK 1280	5000/5000	OR Eugene granted KWGW
WIRK 1290	5000/5000	FL West Palm Beach granted WPBG
KRGV 1290	5000/5000	TX Weslaco granted KRSE
new 1310	500/500	MA Dudley (to be synchronous with WORC 1310 Worcester) granted construction permit
KNRC 1330	5000/1000	ID Halley granted KSKI (again)
KDDL 1340	1000/1000	CA Mojave granted KVDV
KVQB 1340	1000/1000	LA Bastrop granted KMYD
WAKK 1380	5000/5000	GA Atlanta wants 5000/4200
appl 1390	2500/710	NH Bow (resplies with lower night power)
WFEE 1390	5000/	MS Meridian granted WMER
WOND 1400	1000/1000	NJ Pleasantville wants 580/1000
WELM 1410	2500/1000	NY Elmira granted 5000/1000
KBAL 1410	5000/	TX San Saba granted 800/
appl 1420	750	IN La Porte to be sync with WIMS 1420 Michigan City
KDCH 1430	1000/	TX Houston granted 5000/
KCLK 1430	5000/	WA Clarkston wants CP to replace expired CP for move to Astin WA with 5000/1000
WAZL 1440	5000/1000	FL Winter Park granted WPRE
WBLA 1440	5000/	NC Elizabethtown appl 940 kHz & 10000/1000 dismissed
KNET 1450	1000/1000	TX Palestine granted KYKX
new 1460	5000/5000	HI Maui granted KULA
WBUL 1470	1000/	NY Fort Knox granted reinstatement of expired CP to move to Shepherd NY with 25000/ on air as of 7/8
appl 1470	5000/	WV Huntington application dismissed (would have competed with renewal of WHRD 1470)
WLTM 1480	5000/	NY Franklin granted WAJA
KDBI 1490	1000/1000	MT Dillon granted KDLN
WEDS 1490	1000/1000	NE Omaha granted KEED
KVQB 1490	1000/250	TX Del. Mar Hills this station was sold after the CP for 890 kHz was granted; the sale did not include the CP so the new owner of KVQB will remain on 1490 while the old owner builds a new station on 890

WQCY 1500 5000/5000 MI Detroit granted WLGW (again)  
 WGMF 1500 1000 NY Watkins Glen wants 1490 kHz and 1000/650 (re-  
 applies with lower night power)  
 WLGW 1500 500 OH Xenia granted WBDI  
 appl 1520 5000 TX Splendora application returned  
 KBLG 1930 1500 AR England granted Scott AR and 500/  
 WGAE 1550 5000/2400 CT Bloomfield granted W5BL  
 WWSJ 1560 250 IN Paoli granted W5EE  
 WRES 1570 1000 GA Ashburn granted WNNQ  
 WDBS 1570 1000 IN New Albany granted 2000/ (still has ungranted  
 appl for 412.4)  
 WQFW 1580 2500/2500 PR Morovis granted 5000/2500  
 appl 1600 5000/5000 ME Brewer (reapplies)  
 appl 1600 500/500 NY Johnson (City) (reapplies with lower day power)  
 WDCD 1600 500/500 TN Lebanon granted 1200 kHz and 10000/500  
 appl 1600 5000/5000 WA Sequim application returned

**RECENTLY ANNOUNCED (and not yet approved) STATION SALES:** An  
 incredible number of major AM stations were sold this month:  
 KIDP 550 KS, WKRD 550 OH, W5AU 550 CA, KMGH 550 MT, WVMH 570  
 ME, WUNC 570 NC, KMS 580 CA, WTAG 580 MA, WRTH 590 IL, WROW 590 NY, WDAF  
 510 MO, WTUN 610 OH, WPBD 640 GA, KGSF 660 ND, WRKO 680 MA, WOPX 730 VA,  
 KSSS 740 IL, W5JQ 810 MS, KABN 830 AK, WCUG 850 GA, KHLG 850 HI, WRAP 850  
 CA, KDNB 860 TX, KVDZ 890 TX, WQXY 910 LA, KVEC 920 CA, KWYS 920 MT, KOLQ  
 920 NY, KRZN 930 MN, WNNH 930 NH, WNBG 930 TN, WRFD 950 AL, KOOL 960 AZ,  
 KFMF 960 UT, WRLE 970 GA, KIAL 970 TX, WVOV 970 VA, WCAP 980 MA, WAFP 990  
 MS, WSIX 980 TN, KGTM 990 TX, WHFB 1060 MI, WSRG 1070 KY, WHYI 1070 SC,  
 WDBA 1070 TN, WKSP 1090 SC, WNAF 1110 PA, KOLE 1120 TX, KRZN 1150 CO, KKEY  
 1150 OR, WTYJ 1150 SC, KEZB 1150 TX, WQVA 1170 WY, KEX 1190 OR, KUBR 1210  
 TX, WAYE 1220 AL, WSFT 1220 GA, WKRS 1220 IL, KOFG 1220 KS, WRLK 1230 AL,  
 WALI 1230 MD, KMSL 1230 MT, KORT 1240 CO, WATN 1240 NY, KTHE 1240 WY, KOKY  
 1250 AR, KTHB 1250 CA, KBTQ 1250 MO, WNDL 1260 IN, KVSP 1260 NM, KQYX 1260  
 OR, KWPP 1270 OR, WQZZ 1280 FL, HIT 1290 WA, WCHY 1290 GA, WIRL 1290 IL,  
 KQMS 1290 AR, KRCP 1300 CA, WISE 1310 NC, WMHI 1320 FL (new sale,  
 supersedes one below), WLCY 1320 FL, KLSB 1330 CA, K5JN 1330 MN,  
 WHAD 1330 NY, WPBR 1340 FL, KVOB 1340 LA, WLAV 1340 MI, WAGR 1340 NC, WRHI  
 1340 SC, WCLR 1340 WI, WYXY 1360 FL, KSMJ 1380 CA, WCHQ 1360 PR, KPPL 1390  
 CO (new sale, supersedes one dismissed below), WDVH 1390 FL, KSLM 1390 OR,  
 WUSD 1390 SC, WGTN 1400 SC, WLIS 1420 CT, WENE 1430 NY, KOPA 1440 AZ, WVMG  
 1440 GA, WNFL 1440 WI, KOWN 1450 CA, WSTU 1450 FL, WLRN 1450 ME, KXXL 1450  
 MT, KVCK 1450 MT, KKCG 1480 MN, WIXR 1480 ST, WANA 1490 AL, KZAD 1490 AR,  
 KDRG 1490 MO, WJFL 1490 MS, WOUR 1490 NC, WJNL 1490 PA, KDEN 1500 GA, WQMA  
 1520 MS, KFBH 1530 CA, WGAE 1550 CT, WJIL 1550 IL, KOKA 1550 LA, WSES 1550  
 ND, WHIT 1550 WI, KMAR 1570 LA, KVRA 1570 SD, WPGC 1580 MD, WEBG 1580 PA,  
 WVEY 1590 OR, WQAM 1590 SC, KMVP 1600 CO.

**Dismissed Station Sales:** WMHI 1320 FL, KPPL 1390 CO, WMPP 1470 IL,  
 WWHY 1470 WY, WRSD 1560 PR.

**Stations for sale:** IRCA members with a few dozen million dollars to  
 spend might want to buy WMAZ 570 Chicago IL, KNBH 830 San Francisco CA or  
 WIP 610 Philadelphia PA. All three are on the block.

**CORRECTION:** It was implied in last month's story about Radio Moscow  
 broadcasting from Cuba on medium wave that WHBO was still on 205 kHz and  
 still licensed to Tampa FL. WHBO's construction permit for Pine Lakes Park  
 FL and 2040 kHz has been on the air since before Radio Moscow came on.  
 This must make Moscow's interference that much worse since the two  
 stations are co-channel. Broadcasting magazine had bad information.

**EARLY DAYLIGHT TIME PRESUNRISE SOLUTION:** The FCC has proposed a  
 permanent solution to help AM daytimers get on the air in time for the  
 morning commute during April. The FCC proposes allowing presunrise  
 operation beginning the first Sunday in April, presumably at 0600 local  
 time no matter how dark it is, with a minimum power of 10 watts provided  
 there's no interference to the primary (groundwave) contours of Class 1  
 stations. The problem arose when daylight time's start was moved from the  
 end of April to the beginning.

**NBC RADIO NETWORKS SOLD:** General Electric, NBC's new owner, has  
 rumored, made a deal to sell the NBC Radio Networks (the regular NBC net,  
 plus The Source and Talknet) to Westwood One. The sale price is about \$50

million and does not include any radio stations, just advertiser and affiliate goodwill. Westwood One is a young, expanding radio programming production and distribution company which runs its own network and which bought the Mutual radio network two years ago. Oddly enough, Westwood will not run its own newscasts under the arrangement. It will buy newscasts from their original producer, NBC. M Street Journal and Montl:

**DIALUP REMOTE CONTROL HOOPLA:** Encouraged by a series of articles on the subject in Radio World, a free trade newspaper for radio engineers, a controversy has erupted over devices called "dialup remote controls." With the exception of stations whose transmitters are immediately visible to their studio operators, all radio stations are supposed to have remote control of their transmitters. Remote control is supposed to occur from a designated "remote control point" which must be specified in the station license. Usually, that's the station's on-air studio. The old fashioned way of setting this up was to put a control panel in the studio and rent a permanent data circuit from the local phone company to interconnect the transmitter and the studio to allow readings to be taken and for controls to be actuated.

Dialup remote controls don't require a fulltime data circuit and don't require a control panel at the studio. When the studio operator needs to take readings, he or she dials up the transmitter site with a tone-generating phone. The remote control device answers the call, responds to commands punched in by the operator and, with an electronically generated voice, gives transmitter readings and reports trouble. The operator must punch in a "password" to gain access, preventing vandals and hackers from controlling the transmitter.

All this makes it much easier on the many stations who have contract engineers, i.e., no fulltime chief engineer. The contract chief can perform a cursory inspection of the transmitter site remotely from his home or office or from another station or from a pay phone a hundred miles away. If the overnight delay reports that the station is off the air and won't come back on, the engineer can call the transmitter site and at least try to find out what's wrong, possibly even fixing it by switching backup equipment on line by phone.

Critics of this type of scheme, who do not (yet) include the FCC, claim that it can be abused. For example, the contract chief could call the transmitter site every few hours and take readings himself, making changes as required to keep the transmitter within legal limits. And he could do it without the studio operator at the designated control point ever knowing about it, and without the out-of-tolerance reading or the adjustment made to correct it ever appearing in the operating log. In effect, the remote control point can become a "road show" which isn't in the same place twice. That would be a violation of FCC rules, if it were true and if anyone found out about it.

It's unclear whether the FCC is considering any action specifically regulating or banning dialup remote controls. Are you DXing a radio station whose transmitter is being controlled from a pay phone at McDonald's? (Radio World and Montl:

Except as noted from the 22 and 29 June and 6, 13 and 20 July issues of The M Street Journal.

#### VOLUME 25 PUBLISHING SCHEDULE

Here's the publishing schedule for volume 25 of DX Monitor. The dates shown are the masthead dates. Deadline for inclusion in the DXM is one week before those dates. Deadlines for individual editors will be noted in their columns. Generally their deadlines are 10-14 days before the masthead date.

1: 9/12, 2: 9/29, 3: 10/10, 4: 10/17, 5: 10/24, 6: 10/31, 7: 11/7, 8: 11/14  
9: 11/21, 10: 11/28, 11: 12/5, 12: 12/12, 13: 12/19, 14: 12/26, 15: 1/2, 16: 1/9, 17: 1/16, 18: 1/23, 19: 1/30, 20: 2/6, 21: 2/13, 22: 2/20, 23: 2/27,  
24: 3/6, 25: 3/13, 26: 3/19, 27: (anniversary issue): 3/26, 28: (april fool's): 4/2

## RADIO PROGRAMMING NOTES

Editor: Geov Parrish, Box 16353, Alexandria VA 22302; (703) 379-4275

Deadlines: 8/28, 9/25, 10/23. Mail early, avoid the Christmas rush.

<u>call</u>	<u>KHz</u>	<u>state/city</u>	
KBLU	560	AZ YUMA	was adult contemporary, now rock oldies
KWNK	670	CA SIMI VALLEY	was AC/CHR, now SMN adult contemporary
WWII	720	PA SHIREMANSTOWN	new station on the air, oldies/AC mix, 1Ds as "AM Stereo 720" with lots of Harrisburg ments
WGOM	860	IN MARION	was modern country, now adult contemporary
WQRX	870	AL VALLEY HEAD	was AC, now Transtar rock oldies (note #1)
WKRT	920	NY CORTLAND	was adult standards, now rock oldies
WVOV	970	VA DANVILLE	AC/CHR mix, will become religious upon sale
KIOQ	1030	CA FOLSOM	was KHWY, country, now rock oldies "10-Q"
WEKS	1080	GA MARIETTA	was black "Kiss 104" // FM, now silent
WCII	1080	KY LOUISVILLE	was SMN adult contemporary, now SMN rock oldies
KHEI	1110	HI KIHAI	was CHR "B-94" // FM, now country (Park-HI)
WKBO	1230	PA HARRISBURG	was ad. con., now SMN rock oldies, drops L King
WANM	1270	FL TALLAHASSEE	was WTNT, country, now black (note #2)
KXKL	1280	CO DENVER	was KBRQ, country // FM, now rock oldies "Cool 105" and still // FM
KBCN	1300	AK FAIRBANKS	was news-talk, now silent (O'Connor-AK)
KWRM	1370	CA CORONA	was adult standards, now traditional country
KBOP	1380	TX PLEASANTON	was country mornings, Chicano/Spanish afternoons, now it's all Chicano
WMZQ	1390	VA ARLINGTON	was SMN country & ctry oldies, now 100% simulcast of their country FM (note #3)
WKTH	1410	MI GRAND RAPIDS	was SMN rock oldies, now SMN adult stds 7/13
WCSE	1450	SC MYRTLE BEACH	was adult standards, there's a tentative NRC report that they're off the air, can anyone confirm this?
KCKX	1460	OR STAYTON	new, on the air with a country format
KEZO	1490	NE OMAHA	was KEDS, rock oldies, now album rock // FM "Z-92"
WLQV	1500	MI DETROIT	was WCZY, CHR // FM, now SMN black gospel & back to these former calls, ex-WCZY, ex-WLQV, ex-WDEE, ex-WJBK...
KRGO	1550	UT WEST VALLEY CITY	was MoR/Variety, this week they're country

Note #1: While there are new satellite programming services coming out of the woodwork constantly, the two main ones are SMN and Transtar. Knowing what formats they offer, and who carries them, and when in the hour they leave room for local breaks, can often help ID a station. Transtar's formats are adult contemporary, country, CHR, rock oldie ("The Oldies Channel"), soft ad. con. ("Format 41") and adult standard ("AM Only"). SMN has a bunch: country, adult contemporary, rock oldie ("Pure Gold"), black oldies ("Heart and Soul"), adult standards ("Star dust"), black gospel and hard rock ("Z-Rock," not currently on any AM stations). Knowing some of the slogans or air personalities can help you tell who's running what. Another way to tell the two services apart - Transtar uses prerecorded announcements by the jocks triggered by an inaudible cue tone, that give station call letters or slogan in a couple of seconds before the jock starts talking. Done right, it sounds live done wrong, as on a lot of small town AMs, there's dead air, or on voice giving the call letters and a different one then coming on with the rap about the song (or whatever). This sounds awful.

Note #2: The owners of WANM-1070 Tallahassee FL bought WTNT-1270 and spun off the 1070 facility, so in effect WANM has moved from 1070 to 1270. 1070 is now WSUY with new owners, new format, new address, etc.

Note #3: The WMZQ simulcast came July 16 when the deregulation of main studio regulations took effect. Before, stations whose AM and FM were licensed to different cities couldn't fully simulcast because the FCC required stations to originate at least 50% of their programming from their city of license. Since the FCC no longer cares, we now have another whole batch of stations empowered to turn their AMs into expensive translators for FM sister stations. Thanks, FCC.

**Proposed Station Sales** (\* means check the format listings for more info)

KICT-550-KS, WKRC-550-OH, KMON-560-MT, WVMI-570-MS, KMJ-580-CA, WDAF 610-MO, WTVN-610-OH, WPBD-640-GA (unbuilt CP, sold to owners of WQXI 790, who will now spin off the 790 KHz station and move WQXI to 640) KQSR-660-ND (unbuilt CP), WCPT-730-VA, WSJC-810-MS, WUCG-850-GA, WRAP 850-VA, KONO-860-TX, WKYD-920-AL, KVEC-920-CA, KWYS-920-MT, KOLO-920-NV KKIN-930-MN, KPMY-960-UT, WKLS-970-GA, WVOV-970-VA\*, WAPP-980-MS, CIOF 1040-BC, WSRG-1070-KY, WHYZ-1070-SC, KCLE-1120-TX, KRZN 1150-CO, KEX

1190-OR, KUBR-1210-T (CF not on air yet), WALB-1220-AL, WSFT-1220-GA, WKRN-1220-IL, KOFO-1220-KS, WALI-1230-MD, KBSR-1230-MT, KCRT-1240-CO, KTHE-1240-WY, KTMS-1250-CA, KBTC-1250-MO, WNDE-1260-IN, KVSP-1260-NH, KCYX-1260-OR, KWPR-1270-OK, KIT-1280-WA, WCHY-1290-GA, WIRL-1290-IL, WISE-1310-NC (former owners of WISE bought WWNC-570), WMHI-1320-FL (former owners bought WHOF-640, new station now on the air), WLOV-1320-FL, KSJN-1330-MN, WHAZ-1330-NY (former owners bought the now-silent WWCN-1460), WPBR-1340-FL, WAGR-1340-NC, WLZR-1340-WI, WXYX-1360-FL, KSMJ-1380-CA, KPPL-1390-CO, WDVH-1390-FL, WCSC-1390-SC, WGTN-1400-SC, WLIS-1420-CT, WENE-1430-NY, KOPA-1440-AZ, KOWN-1450-CA, KXXL-1450-MT, KKCC-1480-MN, WIXR-1480-SC, WANA-1490-AL, WOUR-1490-NC, KFBK-1530-CA, WPGC-1580-MD, WEBG-1580-PA, KWBY-1590-OK, KHVP-1600-CC

**Dismissed Station Transfers:** WMHI-1320-FL, KPPL-1390-CO (both of these were for previous sales, listing above is for sale to different buyers), WMPP-1470-IL, WRSO-1560-PR (grant rescinded)

Also up for sale: NBC has announced three of its owned & operated stations (WMAQ-670, KNBR-680 & an FM) are up for sale. NBC has also sold its radio network to Westwood One (which already owns Mutual Broadcasting and several syndication networks) for an estimated price of \$50 million. The news departments of Mutual & NBC radio networks are expected to be combined for greater cost efficiency. Maybe not sold yet: at least two groups have filed to block the sale of Taft radio & TV stations (including, from the group above, WTVN-OH, WKRC-OH, KEX-OR, WKLS-GA, WDAF-MO, WNDE-IN & WLZR-WI). The person orchestrating the buyout was apparently investigated for fraud by the SEC several years ago, but never prosecuted. Sale of the month: First Media's eleven radio stations (including AMS KOPA-AZ, WPGC-MD & KPMY-960, all of which 100% simulcast their FMs) were sold to Cook Inlet Region Inc., the investment arm of the Alaskan Natives' trust funds. In other words, the stations have been sold to the Eskimos. The possibilities for new formats and/or promotions are nearly endless.

The Radio Moscow/Cuba scare is heating up. Apparently on Tuesday, July 21, very-high-powered Cubans on 1040 KHZ and 1160 KHZ relaying Radio Moscow in English broadcast for the first time at night; they were on for several hours, and according to news reports WHO-1040 and KSL-1160 were "knocked off the air." (They may have been asked by the FCC to sign off so the FCC could monitor the transmissions and estimate the power - chances are the sheer force of the signal did not blow their transmitters up...) The estimated power of the Cubans is 300,000 watts. For the last couple months a high-power Cuban has been relaying Radio Moscow sporadically during the day on 1040 KHZ, causing groundwave interference to WHBO-1040 and WYFX-1040 in Florida. All this is supposedly in retaliation for Radio Marti on 1580 KHZ. Why doesn't anyone seem to care about the 60 or so Cubans that already dominate their channels in much of the Southeast? Just curious...more on the soap opera as it develops.

Listings this month come from the June 29, July 6, 13 & 20 issues of The M Street Journal except where noted; thanks to inaugural contributors Dale Park (Park-HI) and Rod O'Connor (O'Connor-AK). Remember that you folks on the mainland can also help keep this column swimming in information, just by dropping a card or note the next time something format-wise happens in your area. With the DX season shortly upon us, your local news may help someone else ID and bag a new station!

Bill Hardy would like information on music countdown programs for the New Amana. Bill wants to include as many programs as possible. He will obtain much info directly from networks and syndicators, but he wants to include partial listings for shows such as "Mid-Week Countdown," "Country Countdown," "Hits From Billy's," and similar shows that haven't been available. Please check newspaper listings, if you can, and you hear while driving or on the show in progress, or while on vacation. Please send the info to Bill Hardy, 1301 Pacific Ave., Aberdeen, Wash., 98501, by Sept. 15th. Include calls, frequencies, program titles, and date/time if known. If you're at it, if you come across any information on stations with an FM Radio network or music of your life, send that, too. Thanks!

# CENTRAL DX ROUNDUP

John C. Johnson 979 Neptune Boulevard Billings, Montana 59105-2139  
 All times are Eastern. Deadlines: 9/1, 9/14, 9/28, 10/5, 10/12, 10/19, 10/26

[SA] = Shawn Axelrod, 21 knightsbridge Drive, Winnipeg, Manitoba R2M 4E7  
 ICOM IC-R79, Loop, 120 longwire.

[JCD] = Your editor using an ICOM IC-R71A with a Radio West Loop.

- 560 WEBC MN Duluth, 7/4 strong. 0515 w/notes & AC music. ID as "AH 56 WEBC". [SA-MB]
- 730 CKDM MB Dauphin, 6/19 very strong. 2210 w/rock music. IDing "Music at it's best on 73. CKDM." [SA-MB]
- 940 CBM PQ Montreal, 6/15 good. 0102 w/ID. mx, 3/0ff. [SA-MB]
- 1000 KDMO WA Seattle, 6/13 poor. 0450 w/70's music. A1 & then local news ID given by Vanna White. [SA-MB]
- 1090 KJJF MN Fergus Falls, 6/17 good. 0648 w/local weather, CHR/AC music and ID as "KJJK 96 1/2 FM, clear channel AH 1090". [SA-MB]
- 1110 CKJD ON Sarnia, 6/29 fair w/KFAB off. 0307 w/CHR. TC, and IDing as "CKJD". [SA-MB]
- 1170 KOWD MN Waseca, 7/4 good. 0631 w/music by Genesis. weather. ID as "KOWD, AM & FM, Haseca, MN". [SA-MB]
- 1210 CKWA AB Slave Lake, 7/13 fair. 0300 w/Broadcast news, sports review 77 to 1370. [SA-MB]
- 1230 KYKC SD Sipox Falls, 6/20 strong. 0415 w/C&W. IDing as "KYKC" and "Kick" or "Country Kick". [SA-MB]
- 1240 WGBR MN Hibbing, 7/4 good. 0657 w/sign on & Satellite News Network. [SA-MB]
- 1260 KWYR SD Winner, 6/13 strong. 0545 w/rock music. IDs as "Magic 93. KWYR-FM, South Dakota's Hot FM". [SA-MB]
- 1280 KSNE MN Minneapolis, 6/21 good. 0458 w/E2L & 40's music. IDing as "Sunny. 1280 AM is KSNE". [SA-MB]
- KXKL CO Denver, 7/1 strong w/KBYL. Ex-KBRD. 0400 w/rock. IDing as "Cool Radio. KXKL, Denver, Boulder. Cool-105". Playing back to back various versions of "Louie, Louie". [JCD-MT]
- 1320 KHRT ND Minot, 7/19 fair in K0ZY null. 0730 w/Christian music. mx for ND, IDing as "Heart Radio for the Magic City". New for me, ND#34. [SA-MB]
- 1350 WSLR OH Akron, 6/21 good. 0450 w/C&W. "Whistler Radio" ID. [SA-MB]
- 1400 KDRG MT Deer Lodge, 6/20 good. 0604 w/late rock music, TC, and ID as "KDRG". [SA-MB]
- 1440 KQRS MN Golden Valley, 6/13 poor w/KKXL. 0645 w/KQRS ID and local spots. [SA-MB]
- WNFL WI Green Bay, 7/13 good. 0342 w/open carrier or tone then ID: "This is WNFL Green Bay testing with 5000 watts". [SA-MB]
- 1450 KATE MN Albert Lea, 6/24 fair. 0555 w/weather, news, sports, ID as "AM Stereo. 1450 Golden Radio KATE, Albert Lea." [SA-MB]
- 1460 KDMA MN Montevideo, 7 8 poor w/KTLD. 0530 w/sign on w/SS5. New for me. MN#78. [SA-MB]
- FTLC ND Dickinson, 7/7 good. 0650 w/lost animal report and then folks music. [SA-MB]
- 1480 KKCD MN Fasston, 6/23 strong. 0659 w/sign on as "KKCD, KKCD-FM, North Country Radio". [SA-MB]
- 1490 KBSO MT Laurel, 7/26 strong. Ex-KNFL which was silent. 2100 w/rock oldies - satellite fed. Not sure which service, DJs include Jeff Mitchell, Jerry Thomas. 2112 Satellite News Network mx and spot cluster. IDs as "Big Sky Oldies. KBSO 1490 AM, the heart and soul of rock and roll". Legal IDing as "KBSO. Laurel". Promos say 24 hour format, but past few nights a 0200 w/off. This station is just 15 miles from me so I have lost 1490 again! MT#63. [JCD-MT]
- EXRA MN Alexandria, 6/22 fair. 0645 w/sign on. [SA-MB]
- 1550 ERGO UT Granger, 6/14 good. 0611 w/bigger coin dealer spot, C&W mx. IDing as "1550, Country Cargo". [SA-MB]
- 1560 WQXR NY New York, 7/1 poor. Tentative. 0503 w/classical music, NY mentioned at 0506 then music continued. [SA-MB]
- 1580 KDAY CA Santa Monica, 6/13 poor in short fade in. 0610 w/music, TC, and KDAY ID. [SA-MB]
- KNIX AZ Tempe, 7/17 fair to good. 0620 w/C&W. local spots, ID: "KNIX, we deliver". New for me. AZ#2. [SA-MB]
- KTSS IA Davenport, 6/14 good. 0539 w/late rock & mentions of "quad-cities" in local spots. "Power 1580" ID. [SA-MB]

\*\*\*\*\*[OPEN MIKE]\*\*\*\*\*  
 Happiness lies in self-forgetfulness. John





# WESTERN DX ROUNDUP

2301 PACIFIC AVE. ABERDEEN WA 98520

- REPORTERS FOR THIS ISSUE:
- (TRN) Tim Hall-958 E. Dr. P-1-Whala Vista, CA 94111  
HF-2 MW, Radio west loop
  - (RH) Rob Harrington-Box 21866-Denver, CO 80221
  - (RCK) Ric Resick-6509 Bellamy Way-Sacramento, CA 95826  
FRG-7, SW-1
  - (JW) Curtis Menamin-2917 Georgia St.-Vallejo, CA 94591  
EE Superadio, Selectatenna
  - (RHW) Roy H. Millar-13714 30th Ave. N.W.-Marysville, WA 98276  
Sunraig 5077, SW-2
  - (SP) Dale Park-2253 Kanealii-Honolulu, HI 96811
  - (AMP) Art Peterson-851 31st St.-Richmond, CA 94804
  - (DF) Doug Pifer-4786 Macadamia Dr.-Oceanside, CA 92056  
FRG-700, MW-1
  - (RW) Robert Wien-1309 Lentwood Dr.-San Jose, CA 95116  
EE Superadio, EE Long-range portable, SW-2
  - (EW) Jean Wilkins-4351 Hoyt St. #208-Wheat Ridge, CO 80033  
R390A, R1000, 4' non loop

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OF SPECIAL INTEREST:

- 760 KMED:  
KJIM  
  - EC, Thornton c/w heard testing on & off with various types of music, "KMED" IDs, and annots. of new station coming on the air c/w. On c/w, heard using KJIM call letters. Format is relig. during the afternoon, with live Bible program from Dallas, TX at 1900. KJIM is part of the new United Stations Network. (RH)
  - +Used the KMED calls for only a few days in early June while testing with a variety of music. So those lucky enough to log the KMED call will have a rare one! Officially switched to KJIM on c/w with a mixed bag of pop/relig. music, talk shows in PM, canned relig. programs in A.M. Currently operating 0800-2400 EST. Can't get hold of any one at the station to confirm power, etc. Slogan is "The Spirit of '68." (SW-10)
  - +Per call to station, KMED is now on the air with 5000 days/1000 nights. Currently operating "16 hours a day," hopes to go 24 hours soon. (RW-0A)
- 1030 KIQQ  
LA, Folsom-Sacramento c/w 1900 call change, ex-KHWY. Logged 2000 at s/on with ID "KIQQ, Folsom-Sacramento, the new 10-Q," into Elvis song. Per call, changed calls from 10. Now older format. (RW-0A)
- WZL 1317 heard "This is the all new 4. This is 4100." Ex-KHWY, which was country. Very good signal with rock oldies/named. (RW)
- +612 1200 "the all new 1200" with rock oldies. Trials in market with oldies, not only one live. Still off at midnight. Has Sacramento phone number 44-2076. Heard in surprise with new calls, ex-KHWY. (RW-0A)
- 1210 KOWY  
LA, Washington-St. George. Heard at s/on over NPRS with ID "KOWY, Washington-St. George." into AF news, then farming program. (RDP-1000 called, call change, ex-KHWY. (RW-0A)
- 1260 KPMY  
LA, Aspen c/w 1260 CBC features. LA, then mellow pop music with Dr. Allan Scott, "The Tie" slogan. Miscellaneous ad on program note. 0900 ID, CBC news. Mixing with KPMY. Other at 1200, but improving as AM passed away. (RW-0A)
- 1340 KRMW  
LA, Reno c/w 1340 call change, ex-KHWY. Heard, well on top of freq. with ID "Reno listening to Reno's another voice, KRMW, Reno" into FBI News. (RW-0A)

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- 1100 **WJVC** **CO**, Longmont 6/9 2400 noted now signing off at 0004 EDT after area news & weather. Owned & operated by Radio Longmont, Inc., with 10,000 watts day/500 watts PSA. No nite/PSA ment., but they aren't too strong here at nite, 30 miles distant. (RW)
- 1110 **KHFI** **HI**, Hana in May format switched to C&W with slogan "Maui Country. A-W Eleven" (was top 40/AdCon/Ethnic // FM). References to "network" of carrier current relays also gone. Still operates 1200-0600EDT. (5P-HI)
- 1130 **KWKH** **LA**, Shreveport 6/8 0457 poor but clean ID, "KWKH anniversary party...at the Radio Ranch." (DP-CA)
- 1140 **\*KRAK\*** **CA**, Sacramento 6/8 0324 noted with 00 and not 50kw (later confirmed via phone using 5kw standby transmitter). 0452 back on with full 50kw and very much bothering 1130 & 1150. (Rth-CA) +6/8 0357 with TT, totally off later. (RW-CA)
- KZEM** **ID**, Boise 6/8 0358 ending song with Mandy Travis followed by "K-Zem satellite weather" at 0359. You don't hear perfectly clear KZEM through a 50kw 00 12 miles away smack dab in their pattern, hi. (Rth-CA)
- CKXL** **AB**, Calgary 6/8 0443 with KRAK totally off & replacing KZEM with "Hits of today and yesterday, 11-40 XL Radio." (Rth-CA)
- 1150 **KRZN** **CO**, Englewood 6/8 0337 on top with contest promo & a POB address in Englewood for entry. 0349 "We are Denver's only Motown station, KRZN." (Rth-CA)
- KEZE** **WA**, Seattle 6/8 0401 up from the mud totally ignoring Murphy's Law of DX with a clear on top "KEZE AM & FM Seattle. It's a minute after one in the morning as we continue..." and lost to KRZN. (Rth-CA)
- 1180 **KKAR** **NE**, Bellevue-Omaha 6/10 0040 area news, weather to 0059 s/off. ID as "K-K-A-R Bellevue-Omaha" and announced power as "5000 watts day, reduced power at nite." Fair, not much QRM. (RW-CC)
- 1190 **(KEY)** **OR**, Portland 6/15 0356 totally off, KEZE in strong. (RW-CA)
- 1210 **(KPRZ)** **CA**, San Marcos MM 6/15 noted off. KQTL really dominated the channel in their absence. (TRH-CA)
- WCAU** **PA**, Philadelphia MM 6/15 0516 surfaced briefly under KQTL. Still trying for a report. (TRH-CA)
- KRSV** **WY**, Afton MM 6/15 very weak under KQTL, but faded up nicely for one "KRSV, Afton" ID by man. New, WY #8. (TRH-CA) (Time?-NH)
- 1280 **KKAL** **CA**, Arroyo Grande SM 6/14 0748 fair under KFRN with Music Country Net. Rare here due to KFRN being NSP. (TRH-CA)
- 1290 **KHSL** **CA**, Chico 6/20 1700 with ID "Newstalk AM 1290, KHSL." Was long time country. (Rth-CA)
- 1300 **KMPS** **WA**, Seattle 6/6 0554 fair with C&W music, ment. of contest. ID "AM 1300, KMPS Seattle-Tacoma-Everett." (DP-CA)
- 1320 **KCPX** **UT**, Salt Lake City 6/24 0200 coming in good with "This is Power 99," then DJ gave KCPX AM-FM ID. Rock music. (CM-CA)
- 1350 **KSRC** **CA**, Santa Rosa 6/1 0337 noted with annot. of new 24 hour operation, "...our first night of 24 hour operation," there goes another frequency! (RW-CA)
- 1400 **KBLX** **CA**, Berkeley 6/8 0635 fair, not much noted except ID (hi!), "KBLX 102.9, 1400" and "The Quiet Storm." (DP-CA)
- KLTW** **CA**, San Luis Obispo 6/6 0606 fair, MOR music. Ad for Wall Street Journal and ID "San Luis Obispo's favorite adult radio station K-Light AM 1400." (DP-CA)
- 1410? **\*KCAL\*?** **CA**, Redlands presumably them with loud TTs under KERN/KFMS and others. (TRH-CA)
- 1490 **\*KYCA\*** **AZ**, Prescott 6/13 0323 TTs, man with IDs. (TRH-CA)
- 1500 **TIS** **CA**, San Diego Sea World TIS noted on car radio while driving by. Gets out well to the SSW, but inaudible along I-5 freeway just 1/2 mile east. Even weak at park entrance!! Must be carrier current & less than one watt. New. (TRH-CA)
- 1530 **(KPEM)** **CA**, Sacramento 6/22 0428 totally off, freq. dead. (RW-CA)
- 1570 **CKTA** **AE**, Taber 6/8 0600 with SID "We love sun country, CKTA." (A Canadian actually used their calls, hi. (Rth-CA)
- 1590 **(KLIW)** **CA**, San Jose 6/20 0131 totally off, K000 in strong. (RW-CA)

UNIDs:

- 760 6/14 0657 poor in CRQR null with KPMO off. AdCon, promo for top 40 countdown show. KSLT (TRH-CA)
- 1150 6/14 0600 unID under mess while looking for KEEZ with what sounded like MORN. KELS? (RW-CA)
- 1440 6/14 unID with Music Country Net all night. (TRH-CA)
- July 28 we're off to Banff, Alberta and Glacier Nat. Park, Montana. Happy summer everyone!



# WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

Next WDXR deadline is Tuesday September 1

REPORTERS FOR THIS ISSUE:

- (MAB) Mike Bittner-27215 Sunnyside Road-Palo Verdes, CA 90274  
Surplus ARC-5 rx, SM-2 loop
- (TRH) Tim Hall-350 G St. F-1-Chula Vista, CA 92010  
ICF-2010, Radio West loop
- (RHM) Roy H. Millar-13714 30th Ave. N.W.-Marysville, WA 98270  
ICF-2010, long wire
- (5P) Dale Park-2253 Kanealii Ave.-Honolulu, HI 96813  
Sony ICF-6700W  
(5P-HI1) DX'ing at Hanauma State Park, Honolulu, HI  
Delco car rx with C-QUAM  
(5P-HI2) DX'ing at Kailua, HI with ICF-6700W
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118  
GE Superadio, GE long-range portable, SM-2

\*\*\*\*\*  
OF SPECIAL INTEREST:

- 1230 KAMJ AZ, Phoenix 7/6 0444 call change, ex-KMYL, good on top over KLAV, KGE0, KGFJ, with ID "Phoenix's Magic 101," ment. they won't repeat any song between 9am & 5pm "we promise..." into Barry Manilow song. (RW-CA)
- \*\*\*\*\*
- 530 WNCN749 CA, Burbank "Burbank Airport Information Radio at 530 on your dial" arncr. at 0048 6/2. (MAE-CA)
- WNHV296 CA, Los Angeles 6/13 2052 "Los Angeles Airport Radio" ID strong. (MAE-CA)
- (KRN984) CA, Los Angeles this call for LAX TIS not heard here anymore. (MAB-CA)
- 550 KUZZ CA, Bakersfield 6/23 "California Country" slogan, C&W music. ID at 2330. (MAB-CA)
- 560 KSFO CA, San Francisco 5/30 oldies rock music under severe KLAC-570 slop. ID at 0124. (MAB-CA)
- 580 KRFJ CA, Fresno 6/23 Talknet with Bruce Williams, "News-58" slogan & IB at 2358, into promo for Old Time Radio Theatre, then into ABC News on the hour. (MAB-CA)
- 590 KFXM CA, San Bernardino 7/6 ad for "The Press Enterprise" at 2259. Bruce Williams ment. Talknet, gave "KFXM San Bernardino" ID at 2300, into news. (MAB-CA)
- 600 KKLQ CA, San Diego 7/6 "Q-106 The Better Music Fix" slogan at 2358. Gives legal ID only on the hour. (MAB-CA)
- \*KKLQ\*+MM 7/6 loud TTs, some of which seemed to drift to 610!! Sorry, guys, but a few test tones won't stop your signal from covering everything from 540 to 660, hi. (TRH-CA)
- +7/6 0328 totally off, later on with TT. (RW-CA)
- 610 KAVL CA, Lancaster 7/6 DJ arnc'd "That was Stevie Wonder on KAVL" at 2326, into weather report. (MAB-CA)
- KZSS NM, Albuquerque MM 7/6 0325 fair under KPRC & drifting KKLQ tones. Male DJ, slogan "Albuquerque's new star," format AdCon, always with 3 consecutive songs by the same artist. (TRH-CA)
- ?KVNUT UT, Logan MM 7/6 0347 probably them with Talknet very weak under KPRC/KZSS/KKLQ-600 mess. Still needed here. (TFH-CA)
- 620 KTAZ AZ, Phoenix 6/7 ID at 0104, into ABC News. (MAB-CA)
- KNGS CA, Hanford 6/2 woman arncr with ABC News o/u man with ABC News on KTAR. "Kings Country" slogan & ID 0107. (MAB-CA) (KNGS is Ae, KTAR Ai, per Almanac.--NH)

630 KOH NY, Reno 6/2 ID at 0103, into news. (MAB-CA)

650 KUUY WY, Orchard Valley 7/6 0711 in nicely in CISL null with ID, local spots. (RW-CA)

660 KTNN AZ, Window Rock 7/6 cross-over music, ID at 2314. (MAB-CA)

670 KBOI ID, Boise 6/3 singing ID "KBOI Just For You" at 2349, with KWNK nulled. (MAB-CA)

\*KBOI\*+7/6 0326 noted with TT. (RW-CA)

700 WLW OH, Cincinnati 6/3 weather ment. temps in 80's at 0006. "AM 700 Stereo" slogan at 0007. EZL music to ID at 0017, under severe KMPG-710 slop. (MAB-CA)

720 KDWN NV, Las Vegas 7/6 piano, guitar & orchestral "lounge music." "It is 8-38 here at Kay-Dawn, there is no change in the weather at St. Louis at the Dodger game" anncet. by man at 2338. (MAB)

730 PKSVN? UT, Ogden 6/3 talk show at 2355, missed ID at 0000, into news. TC ment. 10 o'clock at 0000. (MAB-CA)

CKLG BC, Vancouver 7/5 0448 Suzanne Vega's "Luka," station jingle, Level 42's "Lessons in Love." Poor, then very poor; KUIAI-720 QRM, erratic fading. (5P-HI)

750 KAMA TX El Paso 6/4 "Kah-Mah" slogan, SS ID at 0037. (MAB-CA)

?KOAL? UT, Price ad for Merrill Thorp Ford, ment. eastern Utah & Price, into C&W music at 0045. (MAB-CA)

760 KFMB CA, San Diego 7/6 Bill Balance gave ID "Right here on 76, KFMB, San Diego," gave phone no. 570-1776 at 2345. (MAB-CA)

(KGU) HI, Honolulu 7/16 0647 noted off the air. Per station, this was due to technical difficulties. (5P-HI)

770 KPLA CA, Riverbank 7/7 "Good morning, with 50,000 watts, this is 77-West, KPLA Riverbank-San Francisco" ID at 0900. Into Agriculture USA farm news show. (MAB-CA) (Mike, KPLS is on 1150 in Santa Rosa, CA.--NH)

KKOB NM, Albuquerque 5/31 woman anncr. ment. area code 505, ID at 2247. 7/7 "77 KKOB" ID with TC of 6:48 at 0848. (MAB-CA)

780 KAZM AZ, Sedona 6/13 2304 "AM Stereo KAZM" slogan, UPI News. (MAB)

KROW NV, Reno 6/13 "The Big 78," "Country Crow," "Something to Crow About" slogans heard at various times. C&W music, ID 2318. (MAB)

(KROW)+7/6 0324 totally off. (RW-CA)

810 (KGO) CA, San Francisco 6/28 0650 totally off at first, but test tones later. KCMO noted in their absence. (TRH-CA)

820 WBAP TX, Fort Worth 7/6 C&W song "Friday Night Blues" at 2352. "On WBAP 8-20" ID by DJ at 2354. (MAB-CA)

830 KNCO CA, Grass Valley 5/29 rock music, ID 2303. (MAB-CA)

WCCO MN, Minneapolis "WCCO Radio" ID 6/22 0222 under strange test tones. (MAB-CA)

840 WHAS KY, Louisville "84 WHAS Time and Temperature" ID at 2355, 6/3. Into talk show. (MAB-CA)

850 KOA CO, Denver 7/6 woman author of "Mayflower Madame" book talking about birth control methods on Jim Bohannon show. "KOA Radio 85 News" anncet. at 2359. (MAB-CA)

860 KONO TX, San Antonio 7/9 0640-0654 very weak under KVVA with man reading news & weather. May have gotten enough this time for a taped report. Tough to pull this one out from under KVVA. (TRH)

880 KKMC CA, Gonzales 6/14 relig. o/u C&W music on KRVN. Hal Lindsey phone-in program at 2350. "KKMC Gonzales, The Central Coast's Christian Radio" ID at 0005. (MAB-CA)

KRVN NE, Lexington 6/13 C&W music under KKMC. ID at 2341. (MAB-CA)

890 (KDXU) UT, St. George 6/28 0706 totally off, leaving KEYQ alone (with local XEGM-950's spur, which has a twin on 1010). (TRH-CA)

KDXU +7/7 "8-90 KDXU St. George" ID by woman at 0000, into ABC News. (MAB-CA)

910 KMJC CA, El Cajon 7/3 "Your Christian Voice" in El Cajon" slogan & ID at 1759 after relig. program. (MAB-CA)

KNEW CA, Oakland 7/3 C&W music, ID at 0815. (MAB-CA)

920 KQPK NV, Las Vegas 5/30 ID at 0031. (MAB-CA)

940 KFPRE CA, Fresno 5/3 ID 0045 over unID SS station. (MAB-CA)

\*KDEO\* HI, Waipahu 7/16 0651 noted going off & on with music and open carrier. Per L., the engineer was "fiddlin'" (it's a C&W station, hi) with the equipment. Station went down at 0002. (5P-HI)

950 KIMN CO, Denver 7/1 "Under the Boardwalk" song at 0051, "AM 95" ID by man, ment "Kim bumper sticker" & "kim fireworks show" at 0054. (MAB-CA)

- 950 KJR WA, Seattle Fr 7/3 0534-0552 fair over KAHI tonight during joint SP of locals XETRA-690 & XEGM-950 (these two often take their SPs together for some reason...). Finally, enough for a report. (TRH-CA)
- 960 KOOL AZ, Phoenix 7/3 ID by Wolfman Jack at 0059. (MAB-CA)  
KAVR CA, Apple Valley 6/28 2100 "This is KAVR Apple Valley." "AM 96" slogan at 2258. (MAB-CA)
- 970 KYTE OR, Portland 5/3 big band-swing music, Tennessee Ernie Ford, other nostalgia performers, ID at 0800, "On Music You Remember" slogan, into CBS News. (MAB-CA)
- 990 KKIS CA, Pittsburg 6/1 ID at 0729. (MAB-CA)  
KBLS CA, Santa Barbara 6/15 big band vocals. IDs 0015 & 0044. (MAB)
- 1000 KVSD CA, Vista 7/7 "San Diego's New Way to Talk, KVSD" slogan & ID at 0857. (MAB-CA)
- KOMO WA, Seattle 6/1 ID at 0754. "AM-1000" slogan. (MAB-CA)  
1030 KIOQ CA, Folsom-Sacramento MM 6/29 0230-0306 fair in KTWQ SP with hits from about 1965-1975, slogan "The new 10-Q" after every song. Called their "Q-line" request line and spoke to night DJ "Rocket Man," who has the intelligence of a houseplant. (TRH)  
+6/29 Ai news noted 0300-0305 time slot; subsequent music not MCRN (C&W) as last heard on KHVY. ID at 0459 as "KIOQ, Folsom-Sacramento." Per verie, changed calls 6/19 & playing Rock & Roll "oldies" ever since. Alone on channel this MW, although not a strong signal. (RHM-WA)
- KTWQ WY, Casper 6/5 "Kay-Two Radic" ID at 0008. (MAB-CA)  
1040 WHO IA, Des Moines 6/5 Talknet, low level het & severe KTNQ-1020 slop. ID at 0101. (MAB-CA)
- 1080 KRLD TX, Dallas 7/5 0450 ad, weather forecast from the "K-R-L-D News Centre," "Healthwatch" from the Univ. of Texas Health Center. Fair, then very poor; mixing with KSCO fading up & out, KNX-1070 QRM. (5P-HI1)
- 1090 KKYN TX, Plainview 6/24 0743 poor under presumed CHEC with XEPRS off briefly again. Man with farm news, IDs. Killed by XEPRS test at 0746. New, TX #38. (TRH-CA)  
KING WA, Seattle 5/29 0743 Larry King Show // KMVI-550. Not heard often here. KPNW-1120 & KEX-1190 weak by comparison! Fair to poor; unID (spur?) in back. (5P-HI)  
CHEC AB, Lethbridge 6/24 0339 poor-fair in QRN but dominating channel while XEPRS pulled the plug for 20 minutes. (TRH-CA)
- 1110 \*KHEI\* HI, Kihei 7/5 0704 noted on with uninterrupted Willie Nelson music (e.g. solo version of "Mamas Don't Let Your Babies Grow Up to Be Cowboys"). Noted off at 0715 recheck. Equipment test? SP usually 0600-1200 daily. (5P-HI)
- 1120 KPNW OR, Eugene-Springfield 6/3 singing ID at 0042. (MAB-CA)  
1130 KRDU CA, Dinuba 6/24 0020 Marty Robins song under KSDO. ID at 0030. (MAB-CA)
- KSDO CA, San Diego 6/15 Larry King at 0750. "The Information Station, AM 11-30" slogan, singing ID at 0800. Over relig. station. (MAB-CA)  
+As of 7/6 or 7/7, has dropped Talknet, now running Larry King AN. (TRH-CA)
- 1140 KRAK CA, Sacramento 6/24 C&W music, ID at 0033. (MAB-CA)  
+7/5 0523 woman with live ad for a Pepsi promotion at Suburban Ford; local ad, promo for station contest, ID "11-40 K-R-A-K" & Tanya Tucker song. Not in stereo, says indicator light. Poor, KHEI-1110 QRM. (5P-HI1)
- KMJJ NV, North Las Vegas smooth pop music suddenly surfaced over jumble at 0057, 6/24. Clear ID at 0100, into news. (MAB-CA)
- 1160 (KSL) UT, Salt Lake City MM 6/29 0329 male DJ s/off, then off until 0600. Too much slop from local KCBQ-1170, which usually puts out a much cleaner signal. Rats!! (TRH-CA)
- 1170 (KCBQ) CA, San Diego 6/27 0325 off, leaving KLOK. Sure wish this had coincided with KSL's SP! (TRH-CA)
- 1180 KERI CA, Wasco-Eakersfield 6/15 "Radio For The Way You Live" slogan. Singing & spoken ID at 0754, into SS program. (MAB-CA)
- 1190 KEX OR, Portland 6/21 ID at 0259, into news under KPZE. (MAB-CA)  
1200 CKDA BC, Victoria 7/14 0230 song by The System, song "The Danger Zone," DJ with TC & temp., into Feargal Sharkey song "on A-M 12-hundred, G-K-D-A." Fair to very poor, o/u WOAI, KZ00-1210 slop; sometimes ripply. Also monitored 0353-0415 for report. (5P-HI2)
- 1210 (KPRZ) CA, San Marcos 6/27 0320 off again. Only AN about half the nights in June. (TRH-CA)

1210 ?KONY? UT, Washington 7/7 KONY or KOMY ID at 0015, Merle Haggard song. ID again 0019, ad for Frontier RV, Kenny Rodgers song. ID again with "Request line 677-1210" 0026. (MAB-CA) (It's KONY.-NH)

1220 KDFC CA, Palo Alto 6/23 classical guitar music at 0314. (KDFC San Francisco" ID 0316. (MAB-CA)

CJOC AB, Lethbridge 7/3 0622-0649 poor-fair under XEB, but hanging in there with male DJ, C&W, lots of promos. Slogan used: "The Best in Country Music." Finally got enough for a report. (TRH)

1230 ?KAMJ? AZ, Phoenix Tu 7/7 0411 resumed them with "Magic 101" slogan, weather for Phoenix, songs from 1967. Unsure of calls. (TRH)

KPRL CA, Paso Robles Tu 7/7 0349 weak under mess with Ray Brien show. Can never hang on to this one long enough for report. (TRH)

KWG CA, Stockton Tu 7/7 0315-0323 fair, mixing with KGeo during KSON-1240 SP. Oldies music, male DJ with lots of IDs, promos, slogan "Golden Oldies 12-30." New, CA #195. (TRH-CA)

KLAV NV, Las Vegas Tu 7/7 0356 fair, male DJ promo for UNLV alumni BKB game. Ex-KEZD. (TRH-CA)

1240 KJOP CA, Lemoore Tu 7/7 0429 poor under EDIG with male SS DJ with ads for local nightclubs. (TRH-CA)

KNRY CA, Monterey Tu 7/7 0305 has added Larry King, now IDs as "KNRY Newstalk 12-40." (TRH-CA)

KSAC CA, Sacramento Tu 7/7 0340 faded up for ID under KNRY, KLTN. New, CA #196. (TRH-CA)

KSON CA, San Diego 6/13 C&W music, ID at 2136. (MAB-CA)

(KSON)+ Tu 7/7 0305 totally off, leaving KNRY over KSMA, both with Larry King but almost a full second delay between them. (TRH-CA)

KLTN NM, Albuquerque Tu 7/7 0359 now noted using slogan "La Nueva Mexicana" in addition to old "Radio Latina" slogan. (TRH-CA)

KCLV NM, Clovis Tu 7/7 0400 faded up under KLTN/KNRY with ID "KCLV, 12-40, Clovis, NM" by male DJ. New, NM #23. (TRH-CA)

1250 KTMS CA, Santa Barbara 6/13 Talknet program interrupted for Dodger baseball & II at 2146. (MAB-CA)

1290 KAZA CA, Gilroy 6/3 SS ID at 2337 ment. San Jose and "Rah-dee-oh Kah-zah." (MAB-CA)

KMEN CA, San Bernardino 6/3 Dodger baseball o/u KAZA, ID 2332. (MAB)

1300 KYNO CA, Fresno 6/23 "13 KYNO" ID at 0403 over nulled KWKW. Ment. Fresno in ad for "Alert Bail Bonds" at 0409. (MAB-CA)

1310 KDIA CA, Oakland 6/3 ID at 0411, woman DJ gave phone number 430-2700, then into rock music. (MAB-CA)

1320 KGNR CA, Sacramento 6/23 ID popped out of jumble at 2320. (MAB-CA)

KCFX UT, Salt Lake City 6/23 talk show ment. Provo at 0341. ID at 0342. (MAB-CA)

1340 KSFE CA, Needles 6/23 C&W music, ID at 0359. 6/24 "Thank you for listening to the one and only Needles radio KSFE" at 0815 by man anncr. (MAB-CA)

KIST CA, Santa Barbara 6/5 news o/u rock music, ID 2308. (MAB-CA)

1350 KSRO CA, Santa Rosa 6/28 2345 "You're listening to KSRO here in Sonoma County." (MAB-CA)

1360 KPOP CA, San Diego 7/6 or 7/7 picked up Talknet from KSDO-1130. (TRH) +7/7 spot for American Library Assoc. at 0044, into promo for Talknet. "KPOP K-pop" slogan at 0045. (MAB-CA)

1370 KWRM CA, Corona 6/28 series of songs from the musical "CATS." "Spotlight Show" anncr. at 2354, into ad for Maxwell House coffee. ID 0002, 6/29. All in EE language. (MAB-CA)

1380 KTOM CA, Salinas 6/1 "Cal Gold AM & FM" slogan, ID 0854. (MAB-CA)

1390 \*KGER\* CA, Long Beach MM 7/13 0340 TTs, leaving KMIX alone on freq. (TRH-CA)

1400 KCZN CA, Santa Paula-Ventura 6/20 "Hello from Ventura County, this is Joe ??? on KCZN, your Country Cousin," at 0843. "KCZN Ventura-Santa Paula-Oxnard" ID at 0900, into Satellite News Network. (MAB-CA)

KVIS CA, Visalia 6/13 0803 "Fun Lovin' Solid Gold KVIS AM-14" slogan. (MAB-CA)

1410 KERN CA, Bakersfield 6/14 0010 "Newstalk 14-10 KERN Bakersfield" ID. (MAB-CA)

KLLB CA, Lompoc "Kay-double L-B" ID at 1738, 6/13. "14-10 Country" slogan at 1744. (MAB-CA)

1440 KUHL CA, Santa Maria 6/4 ID at 0815. (MAB-CA)

1450 KVEN CA, Ventura 7/2 AP network news anncr. at 0832, local ad. ID at 0833. (MAB-CA)

1490 ?KRKC? CA, King City 6/14 ment. King City at 0029, under KDB. (MAB)

KDF CA, Santa Barbara 6/14 0015 classical music, "KEF AM & FM" ID. (MAB-CA)

- 1500 KHTT CA, San Jose 7/7 DJ ID'd "15 hundred KHTT" at 0053, into rock music. (MAB-CA)  
 1510 KGA WA, Spokane 7/7 C&W music. "15-10 KGA" ID by DJ at 0057, into song "Paper Roses." (MAB-CA)  
 1520 KOMA OK, Oklahoma City 6/15 "AM 15-20" slogan & ID at 0000, over SS station. (MAB-CA)  
 1530 KFBK CA, Sacramento 7/7 local ad 2159. "AM 15-30 KFBK Sacramento" singing ID at 0100, into ABC News. (MAB-CA)  
 (KFBK)+6/29 0440 & 7/6 0330 totally off both these times. (PW-CA)

UNIDs:

- 800 7/1 SS man made "Rah-dee-oh Oh-chen-tah" anncr. at 0016. (MAB-CA)  
 880 7/6 0541 TT loud on 880, suspect KMC. (RW-CA)  
 1100 6/24 relig. program under KRLA-1110 slop. Young man preacher at 0825. Anncr. ment. Lincoln, Nebraska at 0830. (MAB-CA) (Format matches KFAZ.-NH)  
 1110 5/29 0740 SS talk & ads, ments of "republica," back to what sounded like a variety show with a host & applause. Faded out about 0744. KRXY? Very poor, ripply co-channel QRM. (5P-HI)  
 1140 6/24 Angels baseball game, ad for office equipment store in Cathedral City, ID 0055 sounded like KCFK. (MAB-CA) (KCMJ, maybe, ex-1010.-NH)  
 1240 7/14 0343 repeat of MBS Toni Grant show. Signal up then faded into mud at 0345. Could be the same station heard with Larry King at 0407. Grant runs 2100-2300 live. O/u C&W station (KSON?). Poor to very poor. (5P-HI2)  
 1260 6/25 sounded like "KTSF your news & info station" under EGIL at 0025. (MAB-CA) (KVSP, NM?--NH)  
 1270 6/28 SS anncr ment. BGN & "Rah-dee-oh Ceh-teh" 2327. (MAB-CA)  
 1400 6/13 sounded like "Kay-Why the oldies channel" at 0848. 6/20 "AM San Louis Kay-light" at 0815. "K-light, your Light Life" at 0828 o/u KC2N. (MAB-CA) (KLTW, San Luis Obispo?--NH)  
 1460 KDON?? 7/5 0509 DJ patter, ads, possible ID & 10980's version of "Battle Hymn of the Republic." // KLNI-1380 so this is an SMN Stardust station, but then again, KCNN-1420 is midway between 1380 & 1460, so it may just be a mixing product. Very poor, het & local QRM. (5P-HI1)

REPORTERS TO WDXR VOLUME 24		(Total number of tips and number of issues)	
1. Robert Wien	592/34	22. Neil Kazaross	23/1
2. Tim Hall	384/23	23. Art Peterson	18/5
3. John Wilkins	160/14	Jack Woods	18/4
4. Dale Park	145/19	Doug Pifer	18/3
5. Gary Larson	107/17	26. Mike Stonebridge	13/1
6. Bill Hardy	96/16	27. Pete Taylor	12/6
7. Mike Bittner	87/1	Nan Hawthorne	12/1
8. Don Kaskey	85/6	29. Bill Block	11/7
9. Pat Martin	65/14	30. Jef Jaisur	10/2
10. Bruce Portzer	62/8	Glen Kippel	10/2
11. J. Steve McDonald	55/6	32. Alan Davidson	9/3
12. Steve Mittman	53/16	Bill Frahm	9/3
13. Roy H Millar	46/18	Curtis McMenamin	9/2
14. Ric Heald	44/5	Doug Martin	9/1
15. Phil Bytheway	42/4	36. Eric Thompson	8/1
16. Jim Hilliker	41/2	37. Rich Toebe	7/3
17. Ed Hoffman	39/4	Kevin Malin	7/1
18. Bill Nittler	36/6	39. Albert Lobel	4/2
19. Nancy Hardy	34/16	40. Rob Harrington	2/2
20. Chris Knight	33/3	Mike Riordan	2/1
21. W. George Elliott	30/4	42. Frank Orcutt	1/1

Welcome to WDXR, Mike. With your report you made the WDXR Top 10 for the year! Thank you to all who reported to this volume's WDXR columns. If it weren't for you, there would be no WDXR! Speaking of no WDXR column, I wonder what ever happened to the missing one. Last I heard, Bruce still hadn't received it. The P.O. must have devoured it, hi. But, I've re-typed the column, so it should appear elsewhere in this issue. Can't have all those good tips go to waste. ☺

## A DXer's TECHNICAL GUIDE

Now in its 2nd edition, this 120-page book answers questions on how receivers work, how to make them work better, what audio filters and loop antennas will do for you, how to build a beverage and phasing unit, and much more. Only \$5.50 for members, \$6.50 for nonmembers (\$2.00 extra for overseas airmail). Write IRCA, P.O. Box 21074, Seattle, WA 98111.

# EASTERN DX FORUM

RICHARD EVANS

1431-E. 29th Avenue South  
Wisconsin Rapids, Wisc. 54494

Reports from members living east of the Mississippi River  
Deadlines: 8/11/87  
This column typed: 7/26/87

J. D. Stephens, 3605-8 Chasewood, Huntsville, Alabama 35805  
Greetings to all from the state of eternal humidity. This is my first time in EDXF, and I hope to contribute often and (hopefully) have some not-too-mundane things to write about. I have been a casual MW DXer since '76, but it hasn't been until the last 11 months that I really have made any consistent efforts to DX and QSL the BCBC. My low rate of SWBC QSL returns had something to do with that. One thoroughly distressing incident I want to relate requires a little background. As I mentioned, I used to be very casual about my DXing, more often than not merely logging the call sign, frequency, date and time in a notebook and, unless it was a Canadian or Caribbean station, not bothering to copy any details and send a report. Well, in going through my old logbook, I noticed a station KRKA which I had noted being in Seward, Arkansas. Let me now tell you that I used to have problems with the two-letter state abbreviations, and, evidently when I had looked up the station and saw the "AK" state abbreviation, I mistook it for Arkansas and totally blew a chance for my best logging (and possibly a QSL) to date -- Alaska. I wonder how many other simple mistakes have cost a DXer "that rare one"? Hope I'm not the only one. Well, enough on that. One observation before I go -- I feel that in the future there will be fewer MW stations on the air. One only has to remember the CB boom and, more recently, the home computer craze and remember how many manufacturers there were, and how many were left once times got tough. Survival of the fittest. With the audience FM has stolen away, and the general miserable situation in AM as a whole, I just don't see how the market can sustain the current number of stations. I hope my analogy isn't too crazy. I'd certainly like to know what other members think. Well, next time I won't hog as much space. 73's until next time. (Welcome to EDXF, John. I can still remember having a rock go thru my radiator the one time I was in Huntsville -- back in Sept., 1967--rce)

Ernest R. Cooper, 5 Anthony Street, Provincetown, Massachusetts 02657  
617-487-9337. Only recent BCBC veries are WWRB-1520 and WEKS-1080, from a DX test. Those of you in the Washington, DC area might be interested in this bit of info: My WOMR radio show, "Forward - March" will be carried during the time usually occupied by "Band Concert of the Air" on Saturday night, August 29th, from 2200-2300 on WETS-91.9 FM, Takoma Park, MD. This is one side of an exchange of programs between these two FM non-commercial stations. My show is a program of all marches of John Phillip Sousa. I hope you Washingtonians will listen - fan mail would be welcome, of course! Now a question. Where would anyone suggest I might buy an Audio Technica AT-400 microphone? I bought one a couple years ago from LaBelle Camera and Stereo, but they no longer handle this product. There hasn't been much BCBC DXing here - the FM band has been hotter than a suit of red flannel underwear on the Mojave Desert in July! I have 35 states and five provinces now on FM, adding Ontario, Colorado and Oklahoma this summer. I hope to meet many of you in Peoria on August 14-16 at the IRCA's annual convention. Let's hope we'll have a few more this year than attended the Florida bash last August! (Seven people were there, I understand.) Could it be there are just too many radio club conventions in the summertime? WLDN-1570 has completed its move to 640, and is now WNRD, and is using the slogan "wins". They have a very poor signal here nights, and are still very weak in the daytime. 1590 has become an interesting frequency here in the wee hours. WETT-MD is often on top, sometimes WAKR-OR, and once in a while WJBQ-ME, and also heard in there have been WJRA-NJ which is AN Sundays with GOC programming, and WJRO-MD which is GOC every morning. I also heard WUSJ-TN s/off one Monday morning at 0200, but not enough for a report. Congratulations, Rick, on your new address, which, I take it, means a new job? (You're right, and I'm enjoying it so far--rce) Forward - March.

John E. Demmitt, Box A, R0346, Bellefonte, Pennsylvania 16823  
Hope everyone has a great 4th of July weekend. Lots of the celebration in my area was covered by WMLP-470 Bellefonte. I was able to listen to the happenings of the carnival and the parade in town. The signal of this station gets very poor at the end of their two hour extended broadcast, so I



# DX Worldwide - West



PAT MARTIN

P.O. BOX 843

SEASIDE, OR 97138

## Time: UTC phone (503) 861-3185

DX continues to be slow with only a couple reporters this time around. Hopefully we will see a change in this in the Fall which is right around the corner. Next time around hopefully we will see a change. We can keep our fingers crossed. Per Phone call Bruce Portzer and Nick Hall-Patch heard Papua/New Guinea on 564 KHZ over the 4th of July weekend on Vancouver Island. We should have a report on that next time around also. I have been DXing off and on this Summer with little results. I have even checked my antennas and find they are working great. We also have a new reporter this time around, Shawn Axelrod from Winnipeg, Manitoba, Canada. Welcome to the column. Hope you report often. In DX News from DX Australia, apparently 1PHR or 1PPP is now QSLing per reports. Yours truly has a report out so I hope they come through. In other news: ABC Managing Dir. David Hill announced on Friday 3/July that ABC metropolitan and regional stations would commence 24 hour operation in August!!! It is believed that the changeover will commence on August 1 and most of the major city stations should be 24 hours from that date. 4CH-Charleville-603 KHZ is a new ABC Repeater, now on the air. (Per Arthur Cushen). 2GU-1098 KHZ-Coulburn a new ABC repeater is also on the air. (Per Arthur Cushen - R. Copeman) 3WV-594 is expected to have a new solid state modular design 50KW transmitter housed in a new building during the first half of 1988. 2CO-675 plans are to eventually re-locate it to Cronq Cronq with directional antenna, and to relay 2FC-576 Radio National Pgm. 6WF-720 is now AM Stereo since March 87. 6SE-747 is 24 hours relaying 6PR-852 overnight (Ian Stanley). 3WA-756 officially on air Friday 12 June 87 (VLR+VLH closed that day on SW). 3WA relaying 3AR-621 Radio National pgm with tone AN. 3WA had run Radio Australia overnight during tests. 5CC-765 noted relaying 5CS-1044 in evenings this also from Ian Stanley. 3AB-990 relays 2FC-576 Radio National pgm with Radio Australia 1500-1930. ~~5CS-1044~~ call change from 5PI (Centre State Radio) 3CS-1134 operates 1900-1505 M-Sat, 1900-1400 Sun, not 24 hours as shown in Pacific log. 3MP-1377 wants to relocate tx to Sunbury area with freq. change to 693 KHZ, 3 mast directional antenna but is having problems with Bulla Shire Council (Ian Stanley). 5LC-1602 is 24 hours. relays 2JJJ FM overnight. New Zealand: From Arthur Cushen- Te Maori Radio, Auckland 603 KHZ, sked: 200-0600 daily power 1 KW. Now on with reports:

### PAN-AMERICAN DX ROUNDUP

- 540 MEXICO, S.L.P. XEWA 6/14 0420 good signals man and woman in SS. Mex. mx 77 900 in CBK null. (SA-MB)
- 760 CUBA, Radio Reloj 7/4 0950, weak usual SS format w/WRJ (SA-MB)
- 900 MEXICO, Mexico D.F. XEW 6/4 0945 strong signals man talk in SS ads for Mexico "X-E-w la voy de la Latina America" ID on hour. (SA-MB)
- 1070 UHID, SS 7/6 at 0915 good at times w/WRJ, apparently HSP w/IDs only as "Radio Mexicana" also noted prior HSP, no station listed with this slogan in 87 WRTH or Mexigleno list. Has someone changed freq. or is this a new Mexican? HELP!!! (RW-Ca) (I Can't seem to find anything on it either. Anyone else hrd this? PH)
- 1080 CUBA, Guines -CMCU 6/20 0930 strong with man and woman talk in SS with several mentions of "Habana" over KPLD, at times. (SA-MB)
- 1210 CUBA, Soncti Spiritus-CMCL 6/20 0743 fair to poor and new for me, LA mx some fades w/man talk in SS about Soncti Spiritus. (SA-MB)
- 1270 CUBA, Radio Reloj (Camaquay) 6/20 0755 good w/usual format, pips on hour (SA-MB).

### THANKS TO THESE REPORTERS:

- SA-MB SHAWN AXELROD-21 KNIGHTSBRIDGE DRIVE-WINNIPEG, MANITOBA, CANADA R-7C with Shortwave Horizons Loop R2M 4E7
- RW-CA ROBERT WIEN-1302 DENTWOOD DRIVE-SAN JOSE, CALIFORNIA 95115  
CF SuperRadio. Loop

can appreciate why so many DX'ers have not been able to log this one yet. On July the 4th at noon, I intended to do a bandscan paying special attention to the two Chicago stations that can be heard in the center most part of PA day and night but instead of getting WGN-720, I heard WWII and this station is great! I am impressed that it is not a commercial station while at the same time supplying easy listening music and a variety format. The station uses a 5 minute AP news feed on the hour. The ID goes... "WW 2". This station is stereo and packs a powerful signal. DX'ers in the northeast will soon have a TR on 530 from Atlantic City which will tell you when the surf is up, hotels with available rooms and traffic info. If they have enough room on the tape loop, I hope they mention the machines that are paying off, hi. Those near Atlantic City may want to get CJFT from Port Erie while they have a chance. WVAM-1430 from Altoona, PA is announcing they are able to air a better sounding music due to the new compact disc players they have in the studio. It goes make a difference and you can expect a lot of stations to change over. There is something to be added the list that includes mom, apple pie and baseball. It is the new NRC "Updater 2". It's a beautiful piece of work that lists applications, grants, requests, new calls & stations, formats, address changes, etc. Everything is laid out in an easy to read format starting with frequency, call, state, city, remarks and reference. The print is large and dark with a lot of white space. This resolves the problem of updating the AM Log as a tiny dot in the log can refer the user to the updater. If future updaters do not include previous info, the number of the updater can be put in the log. (Or you can use different reference marks to indicate different updaters--rce) This piece of work deserves a lot of credit and is an answer to many prayers. The two FL stations operating on 1040, the FCC and State Department are very upset that a Cuban transmitter of 200,000 watts is relaying Radio Moscow programming but the USSR said it is a matter between the U.S. and Cuba and they have nothing to do with it. The radio war goes on. If they stick to their current schedule, this should give DX'ers a great shot for the station towards the winter when it gets dark early.

Rick Evans, 1431-E 29th Avenue South, Wisconsin Rapids, Wisconsin 54494 (715-423-3119) Ernie was right when he suggested that my new address meant a new job. This is the job I applied for back during the first week of February (and wound up moving during what will probably be the hottest week of the year, hi. I'm working evenings as a rate clerk for CW Transport. The hours are 1830-0230 ELT (1730-0130 CLT), but overtime can change either or both of the starting and quitting times. So, don't bother trying to call evenings during the week--I'm never home! We're finally settling in, and getting used to the smaller population. Wisc. Rapids is the same size as the town we left, but this county is only about 70,000 people while Montgomery County was over 850,000. The HQ-190 (for what it's worth right now) and the loop are both sitting in Michigan at my Dad's place, so the only DX I've done so far is on a small portable which isn't doing so well. If the portable is any indication of conditions here, it'll be a lot rougher DXing than I planned. 27 stations so far from 11 states and 2 provinces, but a bandscan last M. got me only down (or up, really) to 1070, so I'll take it from there tonight. The only station in town is WPHR-1320--they run Brewers baseball and CBS news, plus talknet during the evening when the Brewers aren't playing and after the games. For casual listening, it's "Joy Radio", WJZY-106.1, which is easy-listening. Judging by them, the stations in this area are really competitive for spots in all the surrounding towns within a 40 mile radius. Gotta run. I haven't received the list of publication dates for the next year yet, but I'm assuming it will be 8/21. The only report forwarded to me so far was from John Demmitt, and that was about two weeks ago. 30 postcards were sent out on 7/6 to notify reporters of my new address.

## DX WORLDWIDE EAST

Jim Hall, 240 Byron Rd., Pittsburgh, PA 15237

Jim Hall is back as DXWWE Editor, beginning with the next DX Monitor. Thanks to Bill Harms for filling in during the past few months, and please give Jim the support you've given him in the past.





# Western DX Forum

★ ★ ★ ★

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

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8377

DEADLINES - 31 AUG, 14 & 28 SEP, WEEKLY THEREAFTER

□ □ □ □ □ □ □ □ □ □  
FRANK ADEN JR., 5147 MORRIS HILL, #133, BOISE, ID 83706

I would like to thank those of you who voted for me in the last election, well there's always the next time, hi.

I went through northern Idaho in the middle of June and took notes for the Idaho Broadcasting Guide Data Base. I didn't notice any major changes but KMJY Old Town wasn't heard while passing through the area. They haven't answered any of my letters so I wonder if the station is already off the air.

KFUK's application for transfer from Priest River to Elk City makes more sense to me now that I find it's owned by 4-K Radio (KOZE and KORT). I suspect they may be planning to use it to relay KORT.

KMIC 950 is now with a contemporary Christian format and is off the air for days at a time when they run out of gas for their generator.

KIYS FM is going after 1210 in Meridian again after deciding not to. I can't figure out why we have all these companies trying to put stations back on the air or start new ones when even the more established stations are barely making it here. KGIX FM put KSGR 1340 on after KNPA went out of business and we now have new KHEE FM replacing KLCI who couldn't make it either yet the company who owned it is now planning to put a new FM on the air to replace KFML who also went out of business. None of it makes any sense and we have two applications for Eagle 1060 and 700. (Evidently the new tax law still allows a write off for business losses or a bunch of people aren't too terribly bright, hi-Rth.) 73 for now.

GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504 (818) Citrus 0-6210 or Citrus 2-7176

Hi again. At work here in North Hollywood next to Burbank listening to European music on local KCSN FM.

On 18 July went to Long Beach for a SCADS GTG. A video was shown by someone who is in law enforcement and very much into ham radio. It was of a recent trip to Russia and Siberia. A very interesting presentation. Saw ASL and his wife who had come up from San Diego.

A couple days before drove to Valencia for a 3-mile cross-country run. While there noted 1400 Santa Paula on with C&W. Signal was fair on car radio KSHO 540 barely heard. Haven't heard any word on the new 1220 Canyon Country

Got a new phone directory for S. Orange County and noted KSRT listed, but no address except El Toro. While in Long Beach drove to KGER transmitter site at 6417 E. Alondra in Paramount. It's now in rear of a new business park. One tower is next to the transmitter building and the other is some yards northeast of the building. I noted no cars inside fence so I'm sure it's run remotely. Had I been closer to Pacific Coast Highway I would have looked for the 1280 KFRN transmitter site. (It's in Seal Beach, Gary-Rth.)

I see KUTY 1470 and KMEN 1290 are on the block. Hope whomever buys them keeps them alive in their markets.

Greg Monti, thanks for your great job with WPN. And good luck in continuing with the column.

Really sorry to see WCFB go as a call sign. History with it. I'm sure.

RCE, good luck in Wisconsin and with the new job. Hope you find there permit good DX. (Yeah, and they used to talk about my moves. At least they were in the same state, hi-Rth.)

Regarding Roy Millar's comment on flat tops, KPPC 1240 uses one, top of Star News building and is 250 watts. KGFJ 1240 as well. KIEV 870 has its original but usually not used except as a standby.

Local story here recently in the papers was that Westward One will buy NBC, or something like that - at least the radio end. (Which explains why I heard KNBR was on the block-Rth.)

73 from Pasadena where this was written.

NICK HALL-PATCH, 1538 AMPHION ST., VICTORIA, BC V8R 4Z6

Yet more on reception of Japan via northerly paths such as those through Alaska, northern Canada and through to the eastern US. I hope readers aren't too tired of this topic because Gene Martin and I aren't yet!

A forum of Gene's quotes Edwin Chandler in Radex, September 1931 concerning reception of (among others) JJ stations in Ranfurley, Alberta. Ranfurley is about 75 miles east of Doc Moran's abode in Sherwood Park where I

... we're talking about the same area.

I've also heard from Mike Stonebridge in Fox Creek, Alberta, 110 miles northwest of Edmonton. Mike says he's logged five JJ there, the high-power NHK outlets on 693, 747, 828 and 873 with most receptions in January through April, and never earlier than November (a can of worms here: is there a mid-winter anomaly on Japan - Fox Creek patns?-hi). NHK 828 has been heard 11 times with audio since 1985 and is the most common, but Asiatic carriers have been received many times, though only below 900 kHz. Under 50 kw DU stations however have occurred all over the dial, many with audio, and peak in September and March-April. Mike qualifies his data with two observations: he checks the band for TP's only about six times a month, and feels that Fox Creek is not the same as Edmonton for reception, as he hears much fewer MW TA's than Don Womart does, even with a TA Beverage at Fox Creek.

JJ stations are obviously not impossible in Alberta, just less common than Australia/New Zealand in recent years, but their reception is encouraging to those wishing to log Asiatics in the eastern part of the continent, especially when combined with the Radex reports of JJ reception in the east. My original point still stands I feel: the auroral zone does absorb signals on northerly paths (such as Asia to Edmonton and beyond) more than it does on the southerly paths to Victoria, Denver and Dallas. When Asiatics do come through on those northerly paths, it would be interesting to see how well they come through on our southerly paths. Mongolia anyone? 73. (Interesting to note that 828 NHK is first and most often heard here in Sacramento-RtH.)

GLEN KIPPEL, 612 WEST ST., MERCED, CA 95340

Hello again. Not much to report as I strained my back a few weeks ago and have been taking it easy since.

A big "thank you" to all 28 of you who voted for me in the election. I think the BoD has been doing a fine job and I've had no real complaints. I've been thinking lately that we might consider taking more of a marketing-driven approach to who we are and what we are doing as a club. Should there be much of a decrease in interest in MW DX'ing, we might have to consider broadening the scope of activity to other areas which use similar hardware and techniques, e.g. longwave and/or tropical bands. I repeat, if there are NOT sufficient members to make bulletin publication practical otherwise. But maybe Charles Taylor's scenario will happen first, AM broadcasting will be limited to Third World countries and we'll be able to hear some really juicy DX. Wouldn't that be nice?

In industry news, the FCC recently surveyed 700 AM stations and is pleased to announce that there are now 700 AM stereo stations in the US. How's that for "new math"? Radio World conducted a mail-in survey to see how many AM stations were planning stereo conversion. Two DJs said their station wouldn't go stereo because "we can't even afford a \$50 cassette recorder." (Shades of my days at KNBA, hi-RtH.) Talk about hard times.

The NRSC pre-emphasis standard is meeting with hardly any opposition; stations from Alaska to New York have already installed the equipment. Also, the Region 2 Administrative Radio Conference is scheduled for the 1600-1700 kHz band. Use by broadcasters is expected to begin in the early 1990's.

I finally got my R-386 going again. The cord for the megacycle drum was broken and had to be replaced. It's really a tedious job, but now I'm back to four receivers once more.

That's it for now, so 73.

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95821

Well, now that we had July/August in April/May, we're now having April and May weather in July. My tomatoes are trying to figure out which season it is, hi.

Came across what is apparently Dawson Creek, BC on 890 MW 27 July. I say apparently because at the top of the hour there was a pause (obviously for and ID) but just dead air and back into Satellite Radio network. CRFC's ruling of allowing unstaffed stations on the overnight can be rather frustrating to a DX'er. Either 890 was unstaffed or the guy was in the comfort station down the hall, hi.

In the win some, lose some category, now that 1030 rolson has new owners, they're back to NSP. KHWY had been off nightly at 0000 FLT. KGNR 1320 continues with its nightly SP. I keep meaning to record their s/off; sort of in the style of Jonathan Winter's Ma Frickett.

Dale Park take note. KTRR 860 is broadcasting the Stockton Ports of the California League (A). That's interesting as Modesto also has a California League team. And evidently the Santa Rosa area once again has a CL team as I noted KTOB 1490 carrying the Green Giants and San Jose Yankees. When I was at KPDS, we had a "Country Plus Night" at Rohnert Park Stadium. I actually found a ballyard colder and windier than "The Stick," ... Luckily, our G

had some additives to his giant thermos of 'coffee," hi.

It's probably already in WDXR, but the old calls for 1360 Tacoma have been restored. Now ID'ing as "Pure Gold, KMO Tacoma." Good to see the old calls back. Usually dominates the channel, not bad considering Modesto is just 75 miles down the pike.

Now that I'm finally in a QTH featuring a 400 mile-long, 35-60 mile-wide valley, I've discovered the pleasures of FM DX. Briefly, is KSURP Santa Monica using "S-103" or possibly "KS-103" slogan. Finally heard those burts others have mentioned. If not KSURP, who?

Also, KGNN 1320 is 12 miles to the north, two sticks, one cut for 1320 with the other half again taller with KCTC on that tower. I've been hearing KGNN pop up and QRM KSAN 94.9. my radio, or their tech problem? Oh yes, rx is the GE Superadio.

Have discovered I can make KSMJ 1380 (my second worst pest, overmodulated and over processed) phase shift with the SM-1 nearly standing on its end. In the "null" heard a clear "... weather around the Monterey Bay." Close enough for me; that's KDOM.

That's it this time around. One more monthly, then bi-weekly; watch the deadlines as we move into the fall season. Only wish we'd get some summer before it ends, I mean it's only gone to 90 once this month (July). Best of DX and hope you snare the one you've been waitin' on. 73 de Rth. .

## Seafaring Protesters Challenge F.C.C. Rules

By JOSEPH BERGER

Protesting what they called the stagnant state of rock-and-roll radio in New York City, a group of gaudy radio enthusiasts took to the airwaves last week from a rusty old freighter anchored five miles off Long Island's South Shore.

The Federal Government was not amused, and Saturday, after two nights of broadcasts it sent a boarding party out to head off the pirates.

Two agents of the Federal Communications Commission, accompanied by a Customs Service officer and an Immigration and Naturalization Service officer, sailed on a Coast Guard cutter to the 200-foot freighter, moored south of Long Beach and flying a Honduran flag.

They told the two radio operators aboard the freighter — newly christened Sarah after the girlfriends of some of the operators — that they were apparently violating Federal rules requiring broadcasters to be licensed.

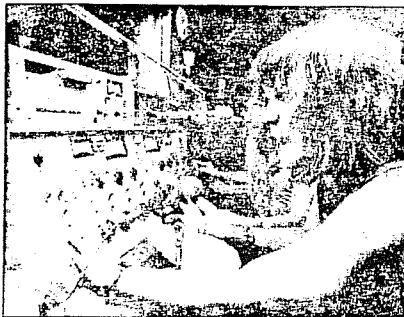
Late yesterday, Randi Steele of Queens, a leader of the group that put together the seaborne station, expressed defiance of the F.C.C.'s action. He said the station planned to continue broadcasting since it was outside what he said was the three-mile territorial limit of the F.C.C. The station was on again last night.

"We're basically doing this as a dare, a warning signal that New York City radio that is directed at youth is very stale and stagnant," said Mr. Steele, who is 36 years old and is a disc jockey for a show, "The Steele Ship," on the pirate station.

A figure at the center of the enterprise was Alan Weiner of Monticello, Me., a former owner of radio stations who has battled with the F.C.C. before, in Maine and in Yonkers, over its powers to regulate the airwaves. Mr. Weiner has boasted in the past of his ability to uncover loopholes in Federal broadcasting regulations.

Sally Lawrence, a spokeswoman for the F.C.C., said yesterday that Mr. Weiner, who was aboard the freighter on Saturday night, had operated a legal station in Presque Isle, Me., but had his license revoked in April 1985 because he was broadcasting on unassigned frequencies.

According to Mr. Steele, Mr. Weiner is part of a group of about 20 "radio en-



Randi Steele, foreground, and Ivan Jeffreys broadcast Monday from a ship anchored near New York City.

thusiasts, some of whom have worked as engineers and on-air personalities in the radio industry.

The group, calls itself Radio New York International, or R.N.I. The group, Mr. Steele said, feels that F.C.C. regulations requiring stations to set guidelines for what their disc jockeys can play have made it difficult to put a personal stamp on the music and talk that gets aired. Its members, he added, also share a "pacifist" political philosophy.

They also plan to begin broadcasting full time in August and to sell commercial.

### A Honduran Registry

In a telephone interview, Mr. Steele said the group pooled \$100,000 of savings to buy the vessel — described by the Coast Guard as "very rusty" — and outfit her with five transmitters, including a 110-foot radio tower. The group obtained a Honduran registry on July 3. Mr. Steele said, because an American flag would have made the ship subject to American radio regulations.

The ship has been rechristened the Sarah, Mr. Steele said because "a number of us have had girlfriends named Sarah and there are a couple of rock songs named Sarah so it seemed the logical thing to do."

The Sarah sailed from a Boston dock with a crew of six and anchored off Long Beach. Using less than 20 percent of her transmitting power, she broadcast for six hours Thursday night and six hours Friday night over 1620 AM, 103.1 FM and shortwave and long wave frequencies.

Article: NY Times 7/27, via Karl Zuk. Photo: from Seattle Times, same date. Other articles sent by Albert Lobel, Steve Mittman, & John Demmitt. Demmitt's article gave SW freq as 6240 & LW as 190 kHz. Lobel's info from San Diego paper said they were heard in Canada, Florida, & Michigan.

Mr. Steele said the music ranged from tunes from the 1950's to contemporary rock hits. To illustrate the kind of answer message that he argued was not available on licensed radio stations, Mr. Steele said the station played John Lennon's "Give Peace a Chance" with Country Joe and the Fish's "I Feel Like I'm Fixin' to Die" and Bruce Cockburn's "If I Had a Rocket Launcher."

The broadcasts, Mr. Steele said, were heard by his friends all over the New York area and as far away as Boston. And F.C.C. officials said the Friday night broadcast was picked up much farther away — at its monitoring station in Allegan, Mich.

### Broadcast Was Illegal

Using direction-finding gear, officials traced the source of the transmission to a point at sea off Long Island and called in the Coast Guard. Immigration and Customs officials joined the boarding party to make sure their agency's regulations were not being breached.

Richard Elliott, chief quartermaster of the 1st Coast Guard District based in Boston, said the rusty white-hulled Sarah was a converted Japanese fishing vessel, formerly known as the I. Lopez II, whose owner was listed as International Ship Owner of Saratoga Avenue in Yonkers, N.Y.

Ms. Lawrence said no matter how far out at sea the ship was, it was illegal to broadcast without a license on an unassigned frequency.

Moreover, F.C.C. officials said 103.1 FM has been assigned to New York stations in Oneonta, Cortland and Newburgh and that the Sarah's transmission threatened to interfere with those signals.

# ANARCON '87

A review by Niel Wolfish

The 1987 Association of North American Radio Clubs convention was held this year Mississauga, Ontario from July 16-19. The event was hosted by the Ontario DX Association at the Novotel Hotel in "downtown" Mississauga. Mississauga is a city of 300,000 west of Metropolitan Toronto serving as a bedroom community to part of Toronto's workforce, and also serving as a place of work for some of the 2,155,000 who reside within Metropolitan Toronto. DXers will recognize Mississauga as the location of one of Canada's few daytime-only stations, CUMR-1190. Ironically, CUMR's transmitters are located in Oakville! Mississauga is also noted for housing most of Metropolitan Toronto's transmitter sites. CHUM-1050, CFRB-1010, CFRX-6070, CFGM-1320, and CHIN-1540 all transmit from the city, and CFTR-680 used to broadcast from a site just west of the convention hotel. Obviously, there are better places to DX from if you live in the Metro Toronto area! For those who enjoy the "Lifestyles of the Rich and Famous", the convention coincided with the opening of Mississauga's new City Hall. The Duke and Duchess of York, Andrew and Sarah, were on hand (across the road) at the City Hall for the grand opening.

As in 1984, when ANARCON was held in the Toronto suburb of Scarborough, the IRCA had a display at this year's ANARCON. For this year's display, I thought it would be appropriate to not only promote the club, but to promote the hobby of medium wave DX'ing in general. ANARCONs seem to be generally attended by those only interested in Short Wave programming, or those who believe that there isn't any DX to be had below 120 meters. There weren't any Medium Wave clubs represented in 1986 when ANARCON was held in Montreal. As well as giving out the obligatory sample IRCA bulletins, information sheets, reprints lists, and bumper stickers, several other items were available for attendees. A special map showing North American radio stations audible in Toronto on Medium Wave was available, as were typed lists showing all the radio stations heard in both Toronto and Winnipeg. (With limited time and resources, it would have been difficult to create lists for other cities, so I had to stick to places that I had DX'ed from) I also had a map available that (by way of colours) showed the difference in DX conditions between Ontario and Manitoba - the two maps showed which states and provinces were audible on Clear Channels, Regionals, or "Graveyarders". Obviously, the Winnipeg version of the map had a much larger area that was audible by way of "Graveyard" frequencies. Any IRCA member who would like a copy of the Toronto radio stations map should drop me a line.

Also on display at the IRCA table were most of my meagre QSL collection. Once again, an attempt to convey the idea that Medium Wave stations can be as difficult to DX as Short Wave stations. How many people out there have Short Wave QSLs from Cayman Islands, Guadeloupe or St. Kitts? The QSL collection seemed to be appreciated by Sarnia IRCA member Colin Miller, who was busy attempting to figure out the transmitter sites of all the radio stations in Ontario. Ori Seigel, a former veris signer at CHW-1090 (Kitchener, Ontario), also appeared to enjoy this aspect of the IRCA exhibit.

The display was also manned by IRCA editor Geoff Parrish, and former IRCA member John Sally (last a member in about 1972?), both of Arlington Virginia. Geoff and John helped to answer the various questions that attendees had. Among the common questions fielded were "what is Medium Wave DX?", and "do you sell the Domestic Log?". I must admit that I probably promoted the National Radio Club as much as I promoted IRCA! The display was visited by other IRCA members, including Ted Fleischaker (L.A.), Wolf J. Flyuhel, Colin Miller, Mike Browner, Robert S. Ross, George Hakkel, Steve McDonald, and David Newkirk. Former IRCA members Ron Schertz, Bob Walker, Douglas Maske, Paul Mount also signed the "IRCA guest book". And one can not leave out George Greene, an NRC member who probably had been to more IRCA conventions than any current IRCA members. Hopefully, I didn't leave anybody out!

Probably the only downside to the IRCA display occurred on Friday morning when Radio Canada International's Ian McFarland (host of SWL Digest) began harassing us, claiming that we had taken the space granted to Swiss Radio International. Well, last time I checked, the International Radio Club of America was a member of the Association of North American Radio Clubs, and Swiss Radio International was not. Regardless, we were set up at the table allotted to us by the convention organizing committee, right next to new Short Wave broadcaster WCSN. Considering that my hard-earned tax dollars help pay Mr. McFarland's salary, he could have at least been courteous! I doubt he would have dared to bully a Short Wave club, considering that this is where most of his listeners come from! Regardless, at a convention intended for the listener, broadcasters should be polite, not pompous.

Naturally, the IRCA was not the only club present at ANARCON '87. The Canadian International DX Club (CIDX), Association of Clandestine Enthusiasts (ACE), Association of DX Reporters (ADXR), SPEEDX, American Short Wave Listeners Club (ASWLC), Ontario DX Association (ODXA) and Michigan Area Radio Enthusiasts (MARE) were also present. Oddly enough, the IRCA display was placed (no doubt intentionally) at the opposite end of the room, by the convention organizers, away from all the other clubs. Certainly, the best club display belonged to CIDX. As well as having reprints and sample bulletins, there was a slide projector showing pictures of the famous Cardinal Divide DXpeditions to the Canadian Rockies, and a photo album with pictures of DXers. The brave could also take the "CIDX challenge". Don Moman set up a tape recorder featuring 10 DX catches. The person ID'ing the most stations on the tape would win a year's free membership in CIDX. The winner was John Fisher, already a member of CIDX, who had recently won Numero Uno's North American DX Championships. Somehow, I finished in a 3-way tie for third place (with 8 correct answers) with Montreal DXer William Westenhaver and self-proclaimed Peruvian DXpert Cedric Marshall. Maybe only five people took the "CIDX Challenge"?

Aside from manning and viewing displays, time allowed me to attend a few events. On Saturday, Werner Funkenhauser, the ODXA's Foreign Medium Wave editor, hosted a panel on Medium Wave DX featuring Don Moman, Alain Pepin and George Hakiel. Attendees had the opportunity to ask questions afterward. Unfortunately, there really wasn't all that much time to get in depth on too many topics. Nevertheless, Werner's attempts to give Medium Wave DX'ing some exposure at a Short Wave dominated convention were most appreciated. Saturday evening was the ANARCON banquet, featuring guest speaker Bob Grove. I was unable to attend this portion of the convention, so I will leave it to another member to comment on the banquet at a later date.

On Sunday, "Chinchilla farmers" David Clark and Cedric Marshall of the ODXA gave an interesting talk on propagation, which was well received. For a while, I thought I had been sent back to High School for another four years of Physics class! The seminar was followed by the annual WRTH quiz, pitting a Canadian team against an American team. Sitting in the audience, I scored correctly on about one third of the questions. Anybody having the ability to recognize the Radio Austria International theme backwards would have had a field day in this quiz. After the quiz, some attendees went on a bus tour to Guelph to visit a vintage radio museum, while others began checking out of the hotel.

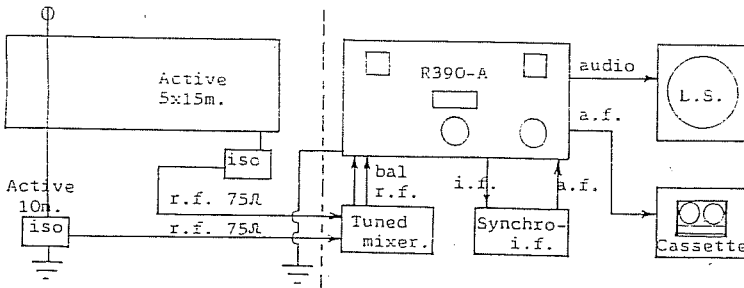
In a nutshell, ANARCON '87 was fun. It was great to chat about DX with some old friends and to get to know some new faces. Next year ANARCON will be hosted by ASWLC in Huntington Beach, California. I hope that some Southern California IRCA members will get together and organize an IRCA exhibit for the convention.



# the irca technical column

Editor: Nick Hall-Patch  
1538 Amphion St.  
Victoria, B.C. V8R 4Z6  
Canada

Graham Maynard of Northern Ireland has written a long article, "Medium wave--a Practical Approach" which has been serialized in the British club publication Medium Wave News. This article describes the author's listening set-up and some of the experimentation which led to its development. The system is displayed below in a block diagram. The "active 10m" antenna is a vertical



of 10 meters height with an isolating amplifier ("iso"). The "active 5 x 15 m" is an untuned fixed loop antenna of those dimensions, also with an isolating amplifier. The "tuned mixer" is a phasing unit combining those antennas. And the "synchro IF" is an outboard IF amplifier/synchronous (and other) detectors to improve the performance of an otherwise stock Collins R-390#.

Although Graham is not an IRCA member, he has agreed to allow his article to be distributed as an IRCA reprint. Write to the IRCA Goodie Factory and ask for reprint #RX1 and send \$1.25 and a legal size SASE to cover copying and postage.

Naturally, the article specifies British parts and suppliers, and is written with some terminology which may not be familiar to North American readers. Also, I've corresponded with Graham, and been able to get more details about certain parts of the article, so over the next while, I hope to print edited (and sometimes expanded) segments of this article in the technical column. Much of the design of Graham's listening set-up will not be familiar to most IRCA members. He is interested in corresponding with others who share his interest in MW receiver and antenna design and modifications. His address is G.S. Maynard, 16 Woodford Avenue, Newtownabbey, Northern Ireland BT36 6TL, U.K.

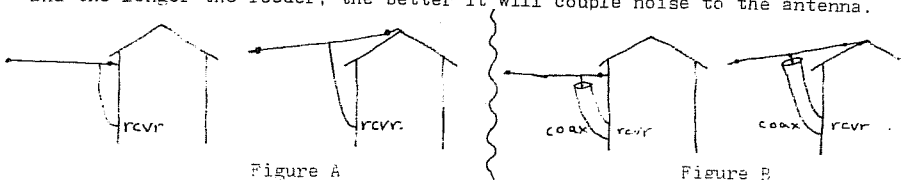
To start with, we'll describe grounding as it relates to receiving antennas, because antenna grounding and shielded lead-ins are very important to Graham's system. In the past, it's generally been considered a good idea to have a ground rod or ground system connected to the receiver's ground terminal, for reduction of local electrical noise and/or improved medium wave signal strength. Personally, I've never had much success in either category when using a ground. A ground should not be ignored, especially on AC powered equipment, but my own humble experience has shown me that AC power line ground is usually sufficient for safety.

Coaxial lead-ins with the shield grounded at the receiver end are often used by SWL's and DXers with random wire antennas to reduce pickup of local electrical noise, and to accent any directional properties the horizontal portion of their antenna might have, but again, I have not found such advantages noticeable at MW frequencies. Here is Graham on the topic of grounds for random wires: "We are trying to discriminate really minute signals, therefore it is most important that antenna EMF (electromotive force; voltage) is tied to the receiver with respect to antenna ground, not with respect to receiver ground. Nor should antenna ground be used to "earth" a mains (AC) powered receiver. A separate ground should be used with electrical and spatial isolation between them." The standard "L" or "T" method of running a wire to a receiver may place the unshielded download close to noisy house wiring (see Figure a next page). Coaxial cable can be used as a shielded download, and screened coaxial cable is a good feeder for transferring EMF between a random wire and ground to a receiver. But coaxial cables are low impedance by nature,



while long and medium wave antennas, excepting single turn loops, tend to be of medium or high impedance. When antenna and ground are connected directly to a coaxial cable, the cable behaves like a shunt to low and medium frequency receiving antennas, and EMF at the cable ends can be very low.

Also, if coax is used as a download for an L or T antenna configuration (Fig. P), the feeder coax can take interference out to the antenna, and the longer the feeder, the better it will couple noise to the antenna.



A configuration such as Figure C can be used with the download away from noise sources in the house, but the long coaxial cable lead-in will still behave as a shunt to EMF from the wire. Also, one should not ground the cable shield at both the download and receiver end, as earth loop noise from the coax shield will be transferred to the coax inner conductor and make even a quiet neighborhood sound noisy electrically.

An impedance matching transformer between the high impedance antenna/ground and the low impedance coaxial cable (Figure D) can optimise energy transfer, and at the same time, electrically isolate the antenna ground from feeder ground. This transformer is a step down type that lowers the system background noise floor yet raises EMF transferred to the receiver.



This design is based on an article in Practical Wireless, January 1984 by A.J. Cawthorne entitled "Curing TVI to MF/HF Reception" which actually describes a balanced shielded feedline from antenna to receiver for a particularly bad local RFI problem, but involved two baluns as well as a step-down transformer.

A suitable 2.5 cm diameter ferrite toroid core costs 1.72 from Electrovalue Ltd., 28 St. Judes Road, Egham, Surrey TW20 0HB, Siemens part no. F64290K0618X830. It could be wound with 15 turns primary (antenna/ground) and 5 turns secondary (coax) of thin insulated hook-up wire or #22 enamelled copper wire. Try adjusting the number of turns while for maximum signal strength of a station around 900-1000 kHz. (ed. note: Amidon Associates does not have a direct substitute for the Siemens core, but the 15 turn primary yields about 1 mH inductance, with the secondary at 110 uH. An Amidon FT50B-72 core (Figure E) could be used with a 20 turn primary and a 6 or 7 turn secondary, and should yield similar results. Other ferrite cores should be useable as long as the primary and secondary windings' inductance are similar to the above)

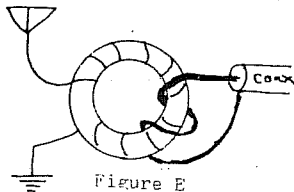


Figure E

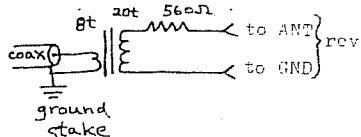


Figure F

Having matched the antenna to the feeder coax, it may also be important to match the coax to the receiver antenna input. If the receiver has a 50 or 75 ohm unbalanced antenna input, the coax can be connected directly to it using the appropriate connector. Put a receiver with a medium impedance antenna input (usually 500-1000 ohms, with a screw or spring clip



# DX WORLDWIDE II

**Paul Swearin**

P.O. Box 4812

Paul Swearin  
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Hawaya Park

1412-4812



My excuse for being late with the last DXWII column was 55-hour work weeks. The excuse for this column's tardiness is ... I've been spending all my free (?) time job hunting!

This column lists actual reported conditions or announcements via various radio clubs, credited as (ARC) or whatever. If you receive a medium-wave publication never listed here and would like to trade with me, issue for issue, for one I receive, let me know. A pack of bulletins can be sent very cheaply (in the U. S.) at the Special Fourth-Class rate. Some are already spoken for, so list second choices. And now, the changes:

## Trans Pacific

**Australia** - 585 - 7ZL here, ex 603; R. National, Hobart, located at Ralph's Bay. (Matthew Francis, DXA); 702 - New ABC station, 6KP, Karratha, 2 kw. 891 - 4AY now 4RR, Ree Radic, Townsville. (James Nilven, DXA)

**Bangladesh** - 1413 - Conillian heard with tests in Begali from 0800-1105. (MWC via ARC) 693 - Dhaka A heard here; Dhaka C on 1170. (ARC via SCDX)

**China, People's Republic of** - 1143 - Tumen PBS, Jilin province heard here. (ARC)

**Hong Kong** - 1044 -Hong Kong Commercial Bc.Co. is relaying R. Canada Int. 0230-0300. (MWC via ARC)

**Kiribati** - R. Kiribati relays its medium wave services on 14802 kHz 0555-0930; try for a parallel. (Robert Shepherd in SCDX)

**Korea, PDR** - 864 - KCBS Sinuiju, ex 860, heard by Ollie Alm. (ARC)

**Laos** - According to a schedule from Lao National Radio, Savannakhet now broadcasting at 757 kHz instead of 1090. Luang Prabang is now on 850 and Houaphanh on 1000. Pakse is using 1350 instead of 740. (Lars Astro'n in SCDX)

**Malaysia** - 782 - R. Malaysia, Sandakan now here, ex 780. (FERC via SDXL via ARC) 828 - RM Lahad Datu, ex 830 with cd at 1603. (FERC via SDXL via ARC)

**New Zealand** - 2ZM Wellington left 1161 10-21-86 for an FM frequency. (NZRDXL via ARDXL) 1602 - Radio for the Print Disabled, operating since May 9 with 500 w. On air Thursday only; 0600-1100 until Dec. 3, 1987. Report to: Radio for the Print Disabled, c/o Dave Feldon - P. O. Box 360 - Levin, NZ, and supply return postage, as this is a charitable organization. (NZRDXL)

## Trans Atlantic

**Albania** - 622 - new station. (MWSC)

**Bulgaria** - 954 - Shumen, ex 963. ID: "Bulgarskoe Radio - rayona stanitsa Shumenna srednoy vali 312 metra". (KH in ARC) 774 - P. Varna broadcasts to tourists on the Black Sea; French at 0800 and English at 0830. (MWC) Bulgarian stations have been heard operating on the unassigned frequencies of 891, 927, 954, 1017, and 1062 kHz, apparently in order to prevent the Turkish minority in Bulgaria from listening to broadcasts from the TRT. (Ollie Alm in ARC)

**Canary Islands** - 747 - ECS4 RCE Las Palmas, ex 1215 reported here by both WRTH and EBU. (ARC)

**Cyprus** - 1494 - R. Bayrak on 0900-2000, // on Sw and VHF. (BCXC via MWC)

**Czechoslovakia** - 603 - new tx from Brno area, approx. 50 kW. (ARC via UKVK via MWC) 954 - South Moravian tx in Dobrochov still off, due to construction of a new tower, to be finished in November. Power will be 400 kW. (KH in ARC)

**Denmark** - 1062 - Danmarks Radio has expanded its P3 channel to 24 h service. (ARC via SCDX)

**Finland** - The new Pori tx's will be on the air in stages in 1987, including a 600 kW MW tx. (WDXC via ARC) 963 - The first was due on in May. (R. Finland via BE via ARC)

**France** - Radio Monte Carlo is building a new tx between Marseille and Nice. It is to be on the air in September and will carry religious prog from TWR. (SCDX via ARC)

**Germany, DDR** - Leipzig, 5 kW, Berliner Rundfunk, new; 882 - Wachenbrunn, 250 kW, Stimme der DDR, new; 882 - Ko'nigsusterhausen, R. DDR, silent; 1044 - Burg, R. DDR, silent; 1044: Wachenbrunn, 20 kW, ex 250 kW, R. DDR. (EBU via MWSC)

**Germany, FR** - 1107 - AFN Munich now only 40 kW, ex 100 kW. (SDXL via ARC) 1143 - AFN Kaiserslautern, 10 kW, ex 1107. (BT in ARC) 1197 - VOA continues broadcasting pop music and news daily except Sunday 0500-1700. (H. Poortvliet in SCDX)

**Greece** - 1404 - Komotini has increased power to 50 kW. 1494 - Rhodes is also 50 kw. 1503 - AFTIS Iraklior now here, ex 1584, 24 hrs. (WRTH via BE via ARC)

**Hungary** - 1251 - The new Marcali tx, in sw Hungary, has a power of 1000 kW. 1350 - Pécs, new 10 kW now on. (BT in ARC)

**Iceland** - Effective 1-1-87 a new broadcasting law allows for private ownership of radio and TV stations, dissolving the state monopoly on broadcasting. (Bo'ljan in MWC) New station, locations unknown, are on 1116 and 1602; 1296 has ceased tx. (EBU via MWSC via ARDXC)

**Iran** - 1314 - A station reported by Jokela. (EBU via BE via ARC)

**Iraq** - 1121 - UnID reported; 1224 - Nasiriya with 300 kW. (EBU via BE via ARC)

**Ireland** - The green light for commercial radio in Ireland has now been given the go-ahead by Jim Mitchell, the minister for communications. It is also understood that RTE have been given permission to operate a long-wave commercial service aimed at an audience in Britain. The earlier reported tie-up between RTE and RTL will probably be incorporated in the new station. RTE's R2 will be permitted to broadcast 24 hours daily. (Viewdata news via BD via ARC) 1404 - R. North on air since 11-17-86, formerly on 1386, from Cardonagh, Co. Donegal. 1512 - Athlone Independent R. closed down in mid-December 1986. 945 - Donegal C. R., ex 927. (Brian Buckley and Anoraks, MWC) 1575 - R. Pulsar, Dublin, heard testing late 1986. (MWC)

**Italy** - 1584 - Tele Radio Pace, Cerna di Verona, currently inactive. (Dario Monferini in MWC) 1305 - RAI Radio 3, Pisa, now on air. (EBU via BE via ARC)

**Lebanon** - 963 - Voice of Free Lebanon reported, ex 1478, reported with French and Arabic. 1368 - Voice of Truth, new with English news at 0900 and 1400. (Soren Bang Holm in WDXC)

**1310** - R. Free and Unified Lebanon, Beirut. (PDX via MWC)

**Libya** - 1080 - a new tx at Ajedabia, 40 kW are on. (EBU via BE via ARC)

**Maderia** - 1530 - Post Emissor de Radiodifusão do Funchal, ex 801. (ADDX via ARC)

**Nigeria** - 1008/1359 - R. Oyo, Ibadan heard on the new freq. of 1008/1359 with cd at 0001. Acc. to closing ann. the frequencies used are 675, 756, 792, 1008, and 1359 kHz.

**Reunion** - 729 - RFC St. André heard between 2350 and 0140 by JJK in Finland. (SDXL via BE via ARC)

**Somalia** - 962 - Mogadishu, not on assigned channel of 963. (UKVK via MWC)

**South Africa** - 683 - East London, not on assigned channel of 684. (UKVK via MWC)

**Spain** - All RCE stations, after 1-1-87, became R. Peninsular. (PDX via ARC) Call-signs are tending to fall in disuse. Newly established networks such as Antena 3 and R. 80 Serie de Oro have no known call-signs. EAJ and EAK prefixes are no longer to be heard on the air and seldom to be seen on postal stationery. Beware of ECS, EFE, and EFU prefixes as they stand for governmental party organizations of the Franco era, now dismantled. (HK in ARC) 531 - RCE, Oviedo, ex 1413; 558 - RCE La Coruña, ex 1395; 603 - RCE Sevilla, ex 1413. 1476 - RCE Almeria on with 10 kw. (PDX via ARC) 1503 - RCE Lago here. (MDX via ARC) 648 - RNE, ex 1359, ex ex 648. (PDX via MWC) 909 - RCE Mallorca, 10 kW. (Mundo-DX via SDXL via ARC)

**Tanzania** - 1030 or 1020 are freq's Dar es Salaam heard on, nominally 1035 v. (UKVK via MWC)

**Turkey** - 765 - Gaziantep announced to be a new TRT tx, high-powered. (Ollie Alm in ARC) 556 - New 300 kW tx on the air 9-1-86, probably Tavas. (EBU via BE via ARC)

**Uganda** - 639 - A new 10 kW tx has been installed 40 km west of Kampala. (ADXR via MWC via ARC via DXA)

**United Kingdom** - A cavern of witches have set up their radio station in the south coast resort of Eastbourne. Their station, called Wiccan Radio, broadcasts from four tx's in secret locations. By using these, plus the power of the devil, they hope to keep a broomstick or two in front of the Department of Trade and Industry. The station is owned by Kevin Carlyon, well-known in occult circles. According to the first annual report of the government's Radio Investigation Service, a "sustained and concentrated campaign" has reduced the number of regular pirate broadcasters from 27 to 7 in the year up to last April, '86. People convicted by the courts for illegal broadcasting number 124. The RIS has been concentrating its efforts to stop unlicensed broadcasters since 1985 and is part of DTI's Radio Regulatory Division. (Viewdata News via BD via ARC) The BBC is carrying out a review of its local radio operations which could lead to the closure of some stations. The review is being conducted in advance of the government green paper on the future of radio in the U.K. At the same time the BBC is likely to decide that no further local radio stations should be set up and that plans for eight more stations to complete a network of 38 in England will be abandoned. (BFXC via ARC) Rumors say that Radio Jamaica may return to the air. (Caroline Movement InfoLine via ARC) It is also reported that Radio Sovereign, the former London MW oldies station, may be one of the stations to transmit from the Sealand offshore fort. (BFXC via ARC)

vatican - 1515 - new. (EBU via MWSC)  
Yugoslavia - 1269 - Novi Sad - Srbobran now 600 kw day, 150 kw night. (EBU via MWSC via ARDKC)

### Pan Americana

Argentina - 1150 - LRA2 R. Nacional, Viedma, 10 kW, new. (GIB via ARC) 630 - LU4 Radiodif Patagonia, ex 950. 1477 - R. Horizonte, ex 1460. (ADXL via ARC)  
Bolivia - 640 R. Tarija was totally destroyed in a bombing. 1030 - R. El Mundo new with 10 kW from Santa Cruz (1/6015 kHz). (UKVK via MWC)  
Brazil - 710 - ZYJ793 R. Rural, ex 1450; 1090 ZYH893 R. Rio Baisas, ex 1480, now using 10/2.5 kW; 1290 - ZYL266 R. El Nepomuceno, ex 1450. 890 - ZYK295 R. Noroeste, ex 1550, using 1/0.5 kW. (CRM via Ollie Alm via ARC) 1070 - R. Industrial ex 1110 kHz. (Antonio Ribeiro da Motta, DXA) 630 - ZYK259 R. Cacique ex 1550. 850 - ZYJ675 R. Ariqueles, ex 1460, now 5/1 kW. 970 ZYJ277 R. Dif Rondon, ex 1350. (PDX via ARC)  
Chile - 1343 CA140 R. Nacional de Chile, ex 1400; 1442 CA144 R. Arica, ex 1440; 1565 (156 R. Parinacota, ex 1560. (Emilio Pedro Povrzenic via MWC)  
Colombia - 890 HJPM, R. Galeón, ex 892 ex ex 895, heard in Sweden. (ARC via MWC)  
Dominican Republic - 1470 - HIVP, R. Cumbre, Villa Tapia, new. (UKVK via WRTH via DXA) Despite ban imposed by Dominican government on R. Clarin in 1983, station again is broadcasting La Voz del Cid, which opposes the government of Cuba. (SDCX via ARC)  
Guatemala - 560 - R. Quetzal, Malacatan, San Marcos, new. (GDXC via WRTH via DXA)  
Haiti - 765 - R. Lumière, Les Cayes (4VU); ex 760, 5 kW. (WRTH via MWSC via MWC) 920 - 4VKE Radio Cap Haitien, 1 kW, new. 1475 - 4VAA La Voix du Peuple, Port-au-Prince, off air for supporting Duvalier. (NRC via ARC)  
Honduras - 750 R. Trujillo, La Ceiba, 50 kW, new. 880 - R. Honduras, location unknown, ex 890. 1060 - La Voz del Centro, Tegucigalpa, formerly 25 kW on 580; 1250 - R. Tropical, Tegucigalpa 10 kW, new. (WRTH via MWSC via MWC)  
Mexico - 1050 - Correct address of XEG is Apartado Postal 116 - 64000 Monterrey, Nuevo León. (Ollie Alm, ARC)  
Nicaragua - 590 R. Revolution, Chontalones, 16 kW, new. 680 - R. Deportes (HFA680), Managua, new. (WRTH via MWSC via MWC)  
Paraguay - 1020 - ZP4 R. Nanduti was destroyed by the son of General Stroessner. (SDXL via ARC)  
Perú - 700 - OBY1U R. Cutivalo, Piura, 10 kW, new. (M. Blas, WRTH, via DXA) 570 - OAX7 R. Cuzco, ex 1470 uses the slogan "La Sen(DS)al Dorada"; 610/1510 - OBY70 R. El Sur heard these two freq's; 1600 - an unID station heard in Cuzco. (SDXL via ARC) 548 - C...2 R. San Antonio, ex 540. (Emilio Pedro Povrzenic in ADXL via MWC) 1000 - OXC7T R. Macchu Picchu, ex 1400, Cuzco. (Emilio Pedro Povrzenic, ADXL via ARC) 600 - OAX6SR, Cultural Toquepala, inactive; 650 - OAX2N Ondas del Norte, inactive; 740 - OAX2J R. Sudamericana, inactive; 860 - OBY4V R. Junin, inactive. 960 - OBY6S R. Hispana varies in frequency from 953 and 960; in 24 hr.  
Venezuela - 1210 R. Barlovento, Caucagua, ex 1230; heard in Italy. (PDX via MWC) 1580 - YV... R. Venezolana now heard in Sweden. ID: "La emisora de la Dio(DS) cesis de Calabozo". via MWC) 980 - R. Nacional Zulia was to open here with 10 kW. (PDX via ARC)

### International

Laser - 576 has commenced full programming after a false start in December. A company called Radio Waves in the U. S. is selling airtime on the station - will probably soon be running about 25 kW. New and improved antenna towers are being built. (ARC)  
801 - The MV Nannel was to leave Santander to broadcast off the Dutch coast. The station is owned by World Wide Broadcasting Corp., based in Pennsylvania, and it's thought that some former Radio Veronica people are involved. On board is a 10 kW and a 50 kW tx but only the former is working at present. (Viewdata NX via BD via ARC)  
National Radio of the Sharan Arab Democratic Republic (SADR) - 1355 - broadcasting since 1979, is still on. 1800-2100 in AA, then in SS until 2155.  
Voice of Peace - 1530 - was off the air due to storm damage.  
R. Caroline - R. Pori, Finland, was to be operating at 600 kW on 963, and if interference to R. Monique was great, a frequency shift, speculated to be 891 kHz, was suggested. (ARC) Caroline operates R. Monique on 963; new address is P.C. Box 6000 - Helsinki, Spain. (AUK in ARC)

### USIA Orders Harris Medium-Wave Radio-Broadcasting Systems

Harris Corp., Melbourne, FL, was awarded a \$5-million contract by the U. S. Information Agency, Washington, DC, to provide medium-wave radio-broadcasting systems for six sites in the Caribbean basin. The systems will expand the reach of voice of America (VOA) broadcasts throughout the Caribbean and Central America.

Harris will equip the six sites with 100-kw, medium-wave transmitters; ancillary operating equipment; and Harris Sentinel control and operating systems. The Sentinel system permits each site to be operating either locally or by remote control from VOA's Washington (DC) center. It also automatically monitors operational conditions at each site and relays the information to Washington.

# IRCA SportsCentre

Deadline for the next edition: 29 AUGUST

Dale Park  
2253 Kanealii  
Honolulu HI 96815

SPORTSCENTRE GOES TO COLLEGE—CHICAGO (IRCA News): The editor of the somewhat popular DX Monitor column "IRCA SportsCentre" said this month that he will move to Lexington, Mass. of September. Dale Park, who has done the feature for over a year, says he has been accepted into Northwestern University's Graduate School and will be working towards a master's degree in radio/TV/film. "The column will be on hiatus until I find a roommate, hi," remarked Park. "The September version will be the last from Hawaii for awhile, so I hope IRCA sports fans will send along radio network info for college and pro sports, in particular football, by the 29 August deadline." Park says the August edition includes partial listings culled from logs by IRCA, NRC and ASWLC members, minor league baseball, and even the Arena Football League.

## NATIONAL LEAGUE

MONTREAL EXPOS (English Only) Dave van Horne, Jim Fanning, Rob Faulds, Rich Griffin

600 CFCF-QU	900 CJBQ-ON	960 WEAV-NY	1450 WSHQ-VT	1490 WICY-NY
680 CJOB-ME		1350 CKAR-ON		1570 CKLO-ME
	SW:		6005 CFCX-QU+	
	FM:		106.9 CKO1-ON	

Also on these Canadian Forces Network stations: 90.5 Lahr FRG, 96.9 Soellingen FRG, 101.9 Ramstein FRG (103.9 Heidelberg FRG not listed); 91.5 Brunssum NETH.

PHILADELPHIA PHILLIES Harry Kalas, Rich Ashburn, Andy Musser, Chris Wheeler

590 WARM-PA	1150 WDEL-DE	1240 WYGL-PA	1340 WTAN-FL	1420 WCLM-PA
610 WIOD-FL <sup>1</sup>	1210 WCAU-PA	1250 WOBG-PA <sup>#1</sup>	1360 WFFA-IA	1450 WIIN-IN
790 WAEB-PA	1230 WQBF-NC	1270 WLBR-PA	1400 WEST-PA	1490 WAZL-PA
800 WCHA-PA	WKBO-PA	1290 WQIH-PA <sup>#</sup>	WPAK-PA	WLFA-PA
950 WEEU-PA	WBFS-PA	1320 WSET-PA	1410 WDOV-DE	WBCE-PA

ATLANTA BRAVES: 730 WLIL-TN<sup>1</sup>, 940 WHAD-SAS, 1170 WACV-AL, 1230 WDFR-NC, 1420 WQFS-GA<sup>#</sup>  
 CHICAGO CUBS: 1040 WHO-IA<sup>S</sup>, 1170 KETT-IA, 98.1 KNAR-IA  
 CINCINNATI REDS: 790 WAKY-KY, 1490 WOH1-KY  
 HOUSTON ASTROS: 910 KIKH-TX, 1400 KWVL-TX, 1440 KDH1-TX  
 NEW YORK METS: 1180 WNAH-NY<sup>1</sup>  
 PITTSBURGH PIRATES: 1400 WAMU-PA, 1490 WPHH-OH, 1490 WJHL-PA  
 NOTE: 1. Partial schedule carried.



## AMERICAN LEAGUE

BALTIMORE ORIOLES: 1200 WAGE-VA, 1240 WROV-WV, 1500 WTOP-DC, 1590 WCBQ-PA  
 BOSTON RED SOX: 1080 WTIC-CT, 1450 WUCG-MA, 1470 WMMW-CT, 1490 WFDV-VT  
 CALIFORNIA ANGELS: 1340 KRAM-NV  
 DETROIT TIGERS: 940 WCSY-MI<sup>#</sup>  
 MILWAUKEE BREWERS: 550 WSAU-WI  
 MINNESOTA TWINS: 1280 KVOX-MN, 1340 KRCC-MN  
 NEW YORK YANKEES: 590 WROW-NY, 1180 WNAH-NY<sup>1</sup>, 1340 WENT-NY WLVL-NY, 1410 WPOP-CT  
 SEATTLE MARINERS: 920 KXLY-WA, 1360 KUIC-OR, 1550 KVAN-WA  
 TEXAS RANGERS: 930 KRHH-TX<sup>2</sup>  
 NOTES: 1. Partial schedule carried. 2. Weekend games only.



## SOUTHERN LEAGUE (CLASS AA)

HUNTSVILLE (AL) STARS Rick Davis, Don Mincher

1050 WWIC-AL	1310 WJRA-AL <sup>#</sup>	1450 WFIX-AL	1460 WFMH-AL+
	FM:	101.1 WFMH-AL+	

## CALIFORNIA LEAGUE (CLASS A)

860 KTRB-CA	Modesto A'S (Oakland)
530 KOH-NV	Fene (NV) PADRES (San Diego)
90.7 ksjs-ca	San Jose BEES (Independent)
860 KTRB-CA	Stockton PORTS (Milwaukee)



Dan Chapman

OUTLET UNKNOWN: Fresno GIANTS (S.F.), Palm Springs ANGELS (Calif.), NO RADIO: Bakersfield DODGERS (L.A.), Salinas STUPS (Seattle), San Bernardino SPIRIT (Indp.), Visalia OAKS (Minnesota).

CAROLINA LEAGUE (A)

1490 WDUR-NC Durham (NC) BULLS (Braves)  
1240 WJEM-MD Hagerstown (MD) SUNS (Orioles)  
NONE Kinston (NC) INDIANS (Indians)  
1390 WWOD-VA Lynchburg (VA) METS (Mets)  
740 WMBC-VA\* Peninsula WHITE SOX (White Sox)<sup>1</sup>  
1490 WPEX-VA Prince William YANKEES (Yankees)<sup>2</sup>  
1310 WDCT-VA Salem (VA) BUCCANEERS (Pirates)  
1480 WPWC-VA Winston-Salem SPIRITS (Cubs)<sup>3</sup>  
910 WTOY-VA  
1380 WTOB-NC



UNAVAILABLE  
Randy Steves  
Frank Adkins  
John Grahn  
Dave Collins, Kevin Olson  
Brian Barnhart  
UNAVAILABLE

FLORIDA STATE LEAGUE (A)

1340 WTAN-FL Clearwater PHILLIES (Phillies)<sup>4</sup>  
1490 WTTB-FL Vero Beach DODGERS (Dodgers)<sup>5</sup>  
1340 WPBR-FL West Palm Beach EXPOS (Expos)<sup>6</sup>  
NO RADIO: Daytona Beach ADMIRALS (Chisox), Dunedin BLUE JAYS, Ft. Lauderdale YANKEES, Ft. Myers ROYALS, Lakeland TIGERS, Miami MARLINS (Co-op), Osceola ASTROS, St. Petersburg CARDINALS, Tampa TARPONS (Reds), Winter Haven RED SOX, Charlotte RANGERS<sup>8</sup>.



UNAVAILABLE  
Joe Sanchez  
UNAVAILABLE  
UNAVAILABLE

MIDWEST LEAGUE (A)

1380 WBEL-WI Beloit (WI) BREWERS (Brewers)<sup>9</sup>  
1340 KR0S-IA Clinton (IA) GIANTS (Giants)<sup>10</sup>  
1350 WXCL-IL Peoria CHIEFS (Cubs)<sup>6</sup>  
1450 WCVS-IL Springfield (IL) CARDINALS (Cardinals)  
NO RADIO: Appleton (WI) FOXES (Royals), Burlington (IA) EXPOS, Cedar Rapids REDS, Kenosh (WI) TWINS, Madison (WI) MUSKIES (A's), Quad City ANGELS<sup>11</sup>, Waterloo (IA) INDIANS, Wausau (WI) TIMBERS (Mariners).



Rick West  
Gary Determan  
UNAVAILABLE  
UNAVAILABLE

SOUTH ATLANTIC LEAGUE (A)

580 WCHS-WV Charleston (WV) WHEELERS (Co-op)<sup>12</sup>  
560 WVOC-SC Columbia (SC) METS (Mets)<sup>13</sup>  
900 WGSN-NC Myrtle Beach (SC) BLUE JAYS (Blue Jays)<sup>14</sup>  
1450 WSAI-GA Savannah CARDINALS (Cardinals)  
105.3 WAGI-SC Spartanburg (SC) PHILLIES (Phillies)<sup>6</sup>  
OUTLET UNKNOWN: Fayetteville GENERALS (Tigers), Macon PIRATES. NO RADIO: Asheville (NC) TOURISTS (Astros), Charleston (SC) RAINBOWS (Padres), Gastonia (NC) RANGERS, Greensboro HORNETS (Bosox), Sumter (SC) BRAVES.



John Dickensheer  
Don Mac  
UNAVAILABLE  
UNAVAILABLE  
Steve Barne

NEW YORK-PENN LEAGUE (SHORT A)

1490 WBTA-NY Batavia (NY) TROJANS (Co-op)<sup>15</sup>  
1230 WLFH-NY Little Falls (NY) METS (Mets)<sup>6</sup>  
1420 WACK-NY Newark (NY) ORIOLES (Orioles)<sup>6</sup>  
610 CKTB-ON St. Catharines BLUE JAYS (Blue Jays)<sup>16</sup>  
950 WIBX-NY Utica BLUE SOX (Phillies)<sup>6</sup>  
1240 WATN-NY Watertown (NY) PIRATES (Pirates)<sup>5</sup>  
OUTLET UNKNOWN: Auburn (NY) ASTROS, Elmira (NY) PIONEERS (Bosox), Jamestown (NY) EXPOS.  
NO RADIO: Erie CARDINALS, Geneva (NY) CUBS, Oneonta (NY) YANKEES.



Wayne Fuller  
Bill Keuler  
Dennis For  
Doug Hobbs  
Jim Jackson  
Mark Shelanski

NORTHWEST LEAGUE (SHORT A)

1450 KEED-OR Eugene (OR) EMERALDS (Royals)<sup>6</sup>  
1230 KWYZ-WA Everett (WA) GIANTS (Giants)  
610 KYJC-OR Medford (OR) A'S (A's)  
590 KAQQ-WA Spokane INDIANS (Padres)  
OUTLET UNKNOWN: Boise (ID) HAWKS (Indpt.). NO RADIO: Bellingham (WA) MARINERS, Bend (OR) BUCKS (Co-op), Salem (OR) ANGELS.



Dave Glass  
Bill O'Hara  
Jerry Allen, Jay Reece  
Rich Walte

APPALACHIAN LEAGUE (ROOKIE)

1150 WBAG-NC\* Burlington (NC) INDIANS (Indians)  
OUTLET UNKNOWN: Elizabethton (TN) TWINS. NO RADIO: Bluefield (WV) ORIOLES, Bristol (VA) TIGERS, Johnson City (TN) CARDINALS, Kingsport (TN) METS, Pulaski (VA) BRAVES, Wytheville (VA) CUBS.

UNAVAILABLE

PIONEER LEAGUE (ROOKIE)

970 KBIT-MT Billings (MT) MUSTANGS (Reds)  
550 KBOW-MT Butte (MT) COPPER KINGS (Co-op)<sup>17</sup>  
1310 KEIN-MT Great Falls (MT) DODGERS (Dodgers)<sup>10</sup>  
1240 KBLL-MT Helena (MT) BREWERS (Brewers)<sup>6</sup>  
630 KTKK-UT Salt Lake TRAPPERS (Indpt.-PCL Edmonton)<sup>18</sup>  
OUTLET UNKNOWN: Pocatello (ID) GIANTS. NO RADIO: Idaho Falls (ID) BRAVES, Medicine Hat (AB) BLUE JAYS.

Glen Hebert  
Fraser MacDonald  
Gene Black  
Dean Ehlis  
UNAVAILABLE

NOTES: 1. Represents Newport News VA. 2. Represents Woodbridge VA. 3. Partial schedule aired. 4. 15 home games only. 5. Road games only. 6. Broadcast schedule unknown; also applies to California League. 7. Represents Kissimmee FL. 8. Represents Port Charlotte FL. 9. 35 home, 15 road games only. 10. Home games only. 11. Represents Davenport IA. 12. 50 games only. 13. 50 games only. 14. Home games only. 15. 9 home, 30 road games only. 16. 21 games only. 17. 30 home, 5 road games only. 18. Represents Salt Lake City; schedule unknown; set pro record by winning 29 straight games.

#### ARENA FOOTBALL LEAGUE

92.7 WSEX-IL	Chicago BRUISERS	UNAVAILABLE
1090 KYBG-CO	Denver DYNAMITE	Irv Brown, Barry Warner
1410 KGV-PA	Pittsburgh GLADIATORS	Paul Steigerwald, Beano Cook
1260 WWDC-DC	Washington COMMANDOS	UNAVAILABLE

**JOCKEY SHORTS:** Corrections Department—PHILLIES also heard on 97.9 WNVS-HJ and 104.9 WRDR-HJ...The Southern League Jacksonville EXPOS use 92.1 WXP-FL...The For-What's-Its-Worth Dept.—the semipro Alaska League Anchorage BUCCANERS are on 1030 KASH-AK and the Anchorage GLACIER PELOTS use 850 KEM-AK...On the varsity front, Memphis SU TIGERS switch from 790 WMC-TN to 105.9 WGMK-TN as the battle for listeners continues between these C&W rivals. Now WMC is trying to outbid 500 WREC-TN for Tennessee VOL5 games...Also moving are Hawaii RAINBOWS broadcasts for football and basketball, from 690 KQMQ-HI to 990 KHVH-HI due to low ratings and a format change at the ex-KKUA. Larry Bail will do play-by-play and former UH athletic director and L.A. RAMS executive Ray Nagel will football-analyze. KHVH already airs UH baseball...A reminder that the NFL San Diego CHARGERS are now on 690 XETRA-BCN and the San Francisco 49ERS are now on 810 KGO—CA; 763 KGU-HI drops Chicago BEARS for L.A. RAIDERS; 1030 WTAE-PA has the Pittsburgh STEELERS for another three years. **PLAYERS OF THE WEEK:** Richard Evans, WI; Mike Brooker, ON; Baseball America's 1987 Baseball Directory; various IRCA, NRC and ASWLC bulletins.

"I'd like to thank all the people who have contributed to the SportsCentre over the past fifteen months and hope they will continue to support this column," says editor Park. "Meanwhile, take care, be good to each other, and I'll see you in EXX." (27-29 July)

### **The Great American T-Shirt Auction, Final Standings**

Well, it is over. The first "Great American T-Shirt Auction" is history. These are the results. Those folks who have the highest bid are listed below. Thanks to all who participated.

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. \$8.00 from Paul Choroszy.
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. \$8.00 from Wilhelm Herbst.
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. \$6.50 from Wilhelm Herbst.
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. \$5.00 from Wilhelm Herbst.
10. Size L(42-44). 50% cotton/50% polyester. Brown with picture of wave and "WWRC" in yellow on front. New. \$4.25 from Doug Pifer.
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. \$3.00 from Wilhelm Herbst.
12. Size L(42-44). 75% cotton/25% polyester. White with yellow sleeves and neck ring. A "Saurin" 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. \$5.00 from David Reitz.
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 a line, "KJRB's trip to Seattle to see the Bee Gees in concert July 13, 1979" in black on back. \$2.00 from Paul Choroszy.
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. \$3.50 from Paul Choroszy.
20. Size L. 100% cotton. Light blue with color picture of Pele playing soccer on front. "KIRO Newsradio" and large "7" in dark blue on back. New. \$7.50 from David Alien.
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. \$4.00 from Frank Adee.



IRCA VERIFICATION-SIGNERS COLUMN

Editor: TIM HALL, 750 G St. NW, Univ. of Md., College Park, MD 20742-4500

Deadline: Last Friday of the month - 7:00 PM EST

PRER	CALL	SIGNER'S NAME	TITLE	ADDRESS	STATE	ZIP	QSL	QRP	QTH
540	INDE	Ray Boyd	Dir. Eng'g	PO Box 4067	Mempho, TN	38101	LM	05	JDS
546	W0AM	Greg Strode	CE	2631 Sheridan St.	Hollywood, FL	33020	LE	04	JDS
570	WNYE	Jackie P. Scarpino	CE	PO Box 6447	Asheville, NC	28804	LM	05	JDS
770	WFLA	Norman Scott	Pub. Rel.	PO Box 77	Jarvis, SC	29520	LM	05	JDS
780	W0RM	Unlabeled		230 N. McJannet Dr.	Chicago, IL	60611	LM	05	JDS
970	WHL	Hugh Burns	Tech. Dir.	1024 N. Rampart St.	New Orleans, LA	70116	LM	04	JDS
980	W0VH	Unlabeled		PO Box 880	Levellington, NE	68557	LM	04	JDS
981	05M	Unlabeled	PO Box 4000	Montreal, QC					0W
986	W0PA	Don Drain	CE	PO# 1707	Scottsboro, SC	29584	LM	14F	0W
991	WNEE	Lee Proctor	CE		Scottsboro, NE		LE	07	0W
991	WAVE	Dr. Douglas Powell	CE	Box 17970	Little Rock, AR	72202	0B	17	JDS
997	W0SE	Mark Ketzner		2400 Cottongdale Lane	Little Rock, AR	72202		10F	JDS
1070	W0CA	Big Boy	PO	1770 Grant St., Penthouse	Denver, CO	80202		05F	0W
1081	W0VE	Bill Hutchinson	CE		Quebec, QC			09	0W
1081	W0DE	Mike Rader	CE		Quebec, QC			09	0W
1090	W0CF	Clay Newcomb		1100 Pal. Creek Rd.	Indianapolis, IN	46220	LE	14	JDS
1091	W0WV	Unlabeled	CE	PO Box 4798	Panama City, FL	32401		04	JDS
1091	W0SC	Bruce Roberts	CE	West 8th & Mason Place	Evansville, IN	47204		04	JDS
147	W0L	Sam Harshbarger	Prod' Eng'g	Box 140	Charleston, SC	29402	0B	04	JDS
148	W0YA	Dennis Wayne		2000 Tucker Blvd.	St. Louis, MO	63101	LM	04	JDS
148	W0TH	Samuel Kent	PO	6480 Radio Part Dr.	Evansville, IN	47818		04	JDS
1490	W0BT	Jeffrey G. Cassano	PO Box 101	318 Ohio St.	Terra Haute, IN	47500		04	JDS
1500	W0DE	Bill Law	Gr	1000 N. Main St.	Big Spring, TX		0B---	04	0W
1510	W0AC	Walt Harriston	CE	1000 N. Main St.	Big Spring, TX		0B---	04	0W
1560	W0PA	Tony Richards	Op Mgr	18 Music Circle East	Torrington, NY	13450	LM	04	0W
1590	W0AM	Frank L. Carroll	GM	PO Box 450	Nashville, TN	37202	LM	04	JDS
1600	W0MP	Stanford Westberg	Tech Dir		Fadsburg, NY	42001	LE	04	JDS
					Columbus, GA		LE	12	0W
					Lakewood, CO			04	0W

WHAT was received: 0=QSL card, 1=Letter, 2=Prepared card, 3=Not used as verify, 4=Businessstickers, M=Mag. WHEN did the reply come: Number of days elapsed. \* = Follow-up report, or phone call, was necessary.

HELP WANTED SECTION:

Many thanks to J.D. Stephens for the verification for W0AC. John also passes along the following news:

- W0AM is temporarily out of cards and awaiting new ones. I hope they saved all reports, or if not -- TMH.
- W0SC saves all reports and answers them on a QUARTERLY basis only.
- W0D is letting the reports pile up and will verify them "sometime later."

Contributors:

- JDS - J. D. Stephens, 3605-B Chasewood, Huntsville, AL 35805
- 0W - John Wilkins, 4385 Hoyt St. #205, Wheat Ridge, CO 80033

This month we welcome new member J.D. Stephens to the column. Thanks J.D. & John for your support!

Since we've got some space left, let me re-invite all of you who write reception reports to share your information with the membership through this column. You don't have to use any set format when you write in -- you can use a postcard, a letter, or even leave a message on my phone machine -- whatever's easiest for you. If you don't keep track of how long the reply took, or exactly what each station sent you, don't worry about it -- the verify-signer or lack of one is the main issue. However, any other information you have (such as a current address) is certainly welcome too.

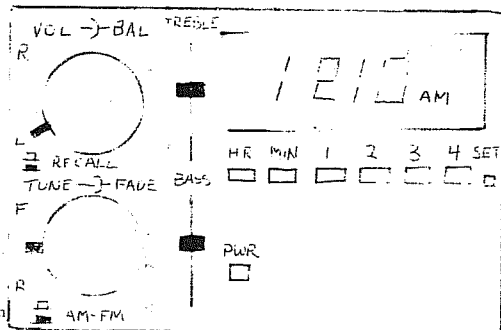
Remember also, if you're having trouble getting a reply from a station, you can always use this column to seek help from the members. That's what a publication like this is for -- getting the information from the people who have it to those who need it. If you're new to the hobby, and don't know much about verifications, drop me a note; if I can't answer your questions, I'm sure I can find someone who can.

Well, that's it for another month. Keep those (QSL) cards and (verify) letters coming. See you in Peoria. . .

-- Tim

A BRIEF REVIEW OF THE DELCO ETR AM-FM STEREO RADIO....Karl J. Zuk

I recently purchased a Chevy Nova, which is the American assembled version of the Toyota Corolla. Guess what? There was a radio in it! Here's how it works, performs, and a trick to maximize its use. The radio has two large knobs. One is a volume control/balance control, and the other is the tuning knob and a front to back balance control. Both are double pots with independent operation.



Push the top one in and it changes the display between time of day and frequency. Push the bottom one in and it changes from AM to FM. Two slide pots act as bass and treble controls. The power switch turns the unit on and off. It must be off to set the time. The clock is excellent in time keeping. The unit was installed with four speakers, giving purpose to the two balance controls. The speakers are of reasonable quality, but not remarkable. The hatchback version has slightly better speakers: ovals in the rear instead of 4 inch rounds. The radio tunes in 10 kHz detents from 530 kHz to 1620 kHz, and in 200 kHz steps on FM from 87.7 (nice for Channel 6 audio reception) to 107.9 MHz. Both AM and FM handles strong signal areas marginally. The AM side become riddled with images and products, the FM suffers from signal overload and an inability to deal with multipath. Lowering the antenna seems to cure this problem fairly well, and it is mounted just above the front of the driver's side window, making lowering it by hand easy, even when in motion. The radio also picks up random signals from the car's computer control system clock, creating weak heterodynes here and there, but they are not generally noticeable. There is no fine tuning, so they expect that you are not trying to receive Algeria when you are driving. The tuner is very selective on both bands, making it quite easy to pick out a station even if it one frequency away from a strong local station. The bandwidth is too narrow on AM, though. I would guess that it has an audio response of around 3 kHz, because you almost never hear a heterodyne, even if there is a strong split nearby. The Caribbean stations on 825 kHz and 1555 kHz never seem to het locals on 830 and 1560 kHz, even though most other common radios will produce a nice loud heterodyne. This is demonstrated in the comparison of WQXR AM and FM, a classical music simulcast twin in New York City. The AM side of this station sounds as good, if not better, on AM. They use Kahn AM stereo, and Kahn's broadband antenna modification and his new Powerside electronics that make a transmitter modulate more on one sideband than another to increase frequency response and decrease noise and interference. I don't think there is a better sounding AM in the country. When you compare the AM transmission to the FM transmission it sounds like you are switching between a fine LP record and a dial-up telephone backup feed. A bandwidth switch for AM would have been nice. I did not purchase the top of the line radio with tape deck and AM stereo, but I would imagine that the radio's AM reception would improve. One great shortcoming is the lack of a seek to the AM band preset buttons per band. By changing the radio I found a way of increasing the number to seven. To set the buttons, you dial up a frequency, press "set" and then press one of the four preset buttons. I discovered that if you dial a frequency, press "set", and then press either 1 and 2, 2 and 3, or 3 and 4 simultaneously, you access three more registers of memory. To recall these registers simply press 1 and 2, 2 and 3, or 3 and 4 simultaneously, and there are your three added preset stations. This works for both AM and FM, so by using this method, you increase your presets from 8 to 14. In conclusion, the radio is very good in selectivity and sensitivity, but does not handle strong signals well at all. It is meant for domestic use only, since there is no fine tuner. The sound, with the provided speakers is fair to good. I am satisfied with the unit, but I don't want to live in The City murr. Granted, New York City could well be the world's greatest RF cesspool, but a radio that costs around \$200 should be able to hold its nose slightly better to avoid the stink. 7-20-87 KZ

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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