



November 12, 1988 - Volume 26, Number 7 - Edition 831 - ISSN 0899-9732 ✓

### In This Issue

Broadcasting Information ..... 2  
 Anchorage, Alaska Stations ..... 5  
 Eastern DX Roundup ..... 6  
 Central DX Roundup ..... 9  
 Sorting Out the NYC Dial Changes 10  
 Western DX Roundup ..... 11  
 DX Worldwide East ..... 14  
 Eastern DX Forum ..... 16  
 Western DX Roundup ..... 17  
 Technical Column ..... 20  
 Heavy Metal Network Coming? ..... 21  
 Verification Signers ..... 22

### Notes from HQ

Pat Martin is on vacation this week, so there is no DXWWW.  
 Charles Broyles is looking for an Icom R-70 receiver. If you have one for sale, write him at Rte 6 Box 315, Pittsboro, NC 27312 or call (919)542-2165.  
 We recently received a letter from a DXer in Bulgaria who is interested writing to DXers in the U.S. His name and address: Mikhail Petrov, Omurtag 68, Sofia 1124, Bulgaria.

### New Members

Steve Griffin, Sherman, IL  
 Scott Pierce, Endicott, NY (rejoin)  
 JD Stephens, Huntsville, AL (rejoin)  
 Stephen Howe, Menlo Park, CA (rejoin)  
 Jairo Salazar, Valencia, Venezuela

We also received some information on Shortwave Press Service. They specialize in publications and tapes on clandestine stations. They also have some more general material in German, plus computer software and a MW loop. One of their latest items is a monthly listing of clandestine stations. For more information and prices send one IRC or US\$1.00 to Shortwave Press Service, Weenderstr 30, D-3400 Goettingen, West Germany.

### Odds and Ends

The DX season is off to a good start. We've had several good domestic loggings in the last few issues, and Latin American reception is picking up. Todd Skains had a good western opening 10/29 netting KWJJ-1080 among others. Phil Bytheway has been hearing several Latins in the evening here in Seattle, which doesn't happen often enough. High latitude foreigners (TAs and TPs) have been few and far between so far.

Do you need a supply of supports for your next Beverage antenna expedition? Political yard signs are ideal. They're about four feet high and designed to be pounded into the ground. Best yet, there's currently a good supply of them around. If you gather some up you'll also help remove a visual blight from the landscape, hi.

Right now is, nonetheless, the best time of year to log TAs and TPs. If you've never heard any, give it a try. East Coasters should look for Europeans in the evening. Some good bets are Germany-1593, Monaco-1467, Norway-1314, and various Spaniards. West Coast DXers will find TPs in from about 2am until sunrise. It's often a good idea to DX just before leaving for work. Best bets are Korea-1567, USSR/China-1476, and Japan on 693/747/774/828. Check last season's DXWW columns and the "Foreign DX Reference" (see pg 13) for other good bets.

In recent months we've received a few letters from members whose bulletins have been munched by the Post Office. One or two members only received one page from one issue; others have received bulletins with parts of pages ripped off. There's not much we can do about it, but if you receive a damaged bulletin (or one doesn't arrive), let us know and we'll replace it for free.

Now look inside for lots of good DX information. 73, bp.

# BROADCASTING INFORMATION

Editor: Geov Parrish, 1201 S. Court House Rd., Arlington VA 22204  
 Deadlines: 11/26, 12/24, etc. \* \* \* compiled 10/29/88

New deadlines, backed up a week cuz I missed bp's deadline last month.  
 Sorry 'bout that. Truly.

## NEW STATIONS

<u>call</u>	<u>KHz</u>	<u>power/antenna</u>	<u>state/city</u>
KJCC	540	500/	DA-D CA CARMEL VALLEY requests replacement of CP
KJOR	550	500/	ND-D NV RENO requests extension of time
new	650	250/	DA-D MD PITTSVILLE application
new	660	1000/700	DA-N ON RED LAKE granted
WDDE	680	500/500	DA-2 KY NEWBURG granted 1300/450 w
new	710	5000/	DA-D VA BLACKSBURG app. (vs. WFNR) returned
KBCB	760	6000/	DA-D KS OVERLAND PARK requests extension of time
new	820	10000/10000	DA-2 SK PRINCE ALBERT granted
new	820	10000/10000	DA-2 SK SASKATOON application dismissed
WKDI	940	1000/	DA-D MD DENTON requests extension of time
KFTO	890	50000/1000	DA-2 CA CITRUS HEIGHTS will be on in "6 mos-1 yr"
new	900	1000/250	ND ON DRYDEN granted
KAJD	950	5000/500	ND AK JUNEAU requests extension of time
KBIB	1000	1000/	DA-D TX MARION requests extension of time
new	1020	25000/1000	ND NE HOLDREDGE application returned
WKAO	1040	10000/1000	DA-N SC HANAHAN wants reinstatement of expired CP
WWOU	1120	1000/	ND-D FL DESTIN wants reinstatement of expired CP
WTWF	1160	5000/250	ND FL WOODVILLE reapplies for move to Tallahassee FL, 1000 w nights, new xmtr location
K'PLL	1180	25000/1000	DA-2 CA PLACERVILLE requests reconsideration of denied ext. of time (could I make this up?)
KOQI	1200	25000/1000	DA-N CA SOQUEL, granted extension of time
"new"	1200	1000/250	DA-2 MI TAYLOR granted (to owners of WCHB-1440)
KZNE	1230	1000/1000	ND NE CHADRON granted extension of time
new	1270	5000/5000	DA-2 MA FAIRHAVEN granted
KXXT	1290	500/	ND-D TX KERRVILLE requests extension of time
KULA	1460	5000/5000	ND HI MAUNAWILI requests extension of time
new	1500	1000/	ND-D FL ST. CLOUD granted
new	1510	2500/	ND-D FL MELBOURNE BEACH application dismissed
KHPY	1530	50000/	DA-D CA YUCAIPA granted move to Moreno Valley CA
KPOR	1570	5000/	ND-D CA GROVER CITY dismissed app for ext. of time
new	1570	400/280	ND OH ATHENS granted
KSSA	1600	5000/1000	DA-1 TX DALLAS synchronous xmtr is now on the air

## CHANGES IN EXISTING FACILITIES

<u>call</u>	<u>KHz</u>	<u>power/antenna</u>	<u>state/city</u>
WETC	540	5000/	DA-D NC WENDELL-ZEBULON granted 8000/ w DA-D
CFGM	640	50000/50000	DA-2 ON RICHMOND HILL finally on air ex-1320 KHz
WCNN	680	50000/10000	DA-1 GA NORTH ATLANTA dis. app. for 15000 w nights
WNZK	690	1000/	ND MI WESTLAND applies for 2500/ w DA-D
CHAK	690	???	ND NWT INUVIK apparently moved here from 860 KHz. If anyone hears this from the lower 48, call me. Collect.
WDKT	730	1000/128	ND AL MADISON applies for 500 w nights
KHIS	800	250/20	ND CA BAKERSFIELD amend app. for 440 w nights
WAPO	820	1000/	ND-D TN JASPER returned app. for 10000/ w ND-D
WWMO	830	1000/1000	DA-N NC EDEN applies for 50000 DA-D (for 830 CP, stn is still on 1130 KHz w/1000 w ND-D)
KWPN	840	2500/	ND-D NE WEST POINT granted 5000/ w ND-D
WTEL	860	10000/	DA-D PA PHILADELPHIA returned app. for 500 w night
KPRM	870	15000/1000	DA-N MN PARK RAPIDS returned app. for 25000 w days
WTAK	1000	10000/	DA-D AL HUNTSVILLE granted 5000 w days, 3400 w CH
WKZE	1020	250/	ND-D CT SHARON granted 2500 w days, 1800 w CH
KRAD	1020	400/250	ND OK PERRY on the air ex-1040 KHz
KLHT	1040	10000/10000	DA-1 HI HONOLULU applies for 5000/5000 w ND
WTWZ	1120	2500/	ND-D MS CLINTON applies for 5000 w days, 2500 w CH
KMOA	1190	500/	ND-D AR KENSETT granted 10000/ w days, 1900 w CH
WANN	1190	50000/	DA-D MD ANNAPOLIS granted 25000 w days

call	KHz	power/antenna	state/city
WXRA	1220	1000/	ND-D NY NORTH SYRACUSE requests yet another extension for move to 1200 KHz, 1000/1000 w
CJRL	1220	1000/1000	DA-1 ON KENORA app. dismissed for move to 660 KHz
CIYR	1230	1000/250	ND AB HINTON granted 1000 w ND nights
KNWZ	1270	1000/	DA-D CA PALM DESERT granted move to Thousand Palms CA, 5000/750 w DA-2
CKEC	1320	5000/5000	DA-N NS NEW GLASGOW granted 25000/25000 w DA-2
KCEM	1340	1000/1000	ND NM AZTEC application for 560 KHz dismissed
WHYS	1350	1000/	DA-D FL FORT MYERS returned app. for 5000/ w DA-D
WGTC	1370	5000/500	DA-2 IN BLOOMINGTON applies for 1000 w nights
KMIN	1400	1000/1000	ND NM GRANTS reapplies for 980 KHz, 1000/250 w ND
KITZ	1400	1000/1000	ND WA SILVERDALE granted 1000/800 w ND
KITA	1440	5000/	ND-D AR LITTLE ROCK granted 240 w DA nights (DA-N)
WBUL	1470	2500/	DA-D KY SHEPHERDSVILLE applies for 1000/ w ND days
WLEE	1480	5000/5000	DA-2 VA RICHMOND returned app for 5000/ w day only
CFWB	1490	1000/1000	ND BC CAMPBELL RIVER granted 880/880 w ND
WWBC	1510	1000/	ND-D FL COCOA requests extension of time for move to Rockledge FL & 770 KHz
CKOT	1510	10000/	DA-D ON TILLSONBURG granted 1200 KHz, 10000/10000 w DA-2. Are any Canadian daytimers left?
WKVI	1520	250/	ND-D IN KNOX granted 2000 w days, 410 w CH
WIBG	1520	1000/	DA-D NJ OCEAN CITY granted 1020 KHz, 500 w ND-D
KLLV	1560	1000/	ND-D CO BREEN granted move to 550 KHz, 1800 w DA-D
WJTX	1580	250/250	ND IL URBANA reapplies for 1000/500 w
WSRR	1580	2500/	DA-D NJ WASHINGTON granted extension of time for CP for 4400/500 w DA-2
WJIK	1580	10000/	ND-D NC CAMP LEJEUNE dismissed request for extension of time for move to 830 KHz
WGRY	1590	1000/	DA-D MI GRAYLING reapplies for 1230 KHz 680/680 ND

CALL LETTER CHANGES

( \$ means change accompanies a station sale; \* check for format info)

WDLV	550	NC Pinehurst	WKHO	KSZN	1340	TX Pampa	* KPDN
WNBC	660	NY New York	*\$ WFAN	WWWB	1360	AL Jasper	WZPQ
WNYR	670	NY Syracuse	WAQX	KBUK	1360	TX Baytown	\$ KWWJ
WJMW	770	AL Athens	WVNN	WEIF	1370	WV Moundsville	WQPN
KXTC	790	CA Clovis	*\$ KOQO	KMRY	1390	IA Des Moines	* KJJY
WSIG	790	VA Mount Jackson	WSVG	KODS	1400	CA Visalia	* KHTZ
KWRP	830	TX Cibolo	KBUC	KCWV	1410	KS Leavenworth	*\$ KKLO
WQKA	850	NY Penn Yan	* WYLF	KKUL	1410	OR Portland	*\$ KBNP
new	890	PA Cashtown	WFKJ	WRB	1430	TN Madison	*\$ WRLT
new	890	PA Nicholson	* WFQA	WRGF	1450	VA Highland Sprs	\$ WCLM
WREZ	950	AL Montgomery	* WSYA	KILS	1470	KS Liberal	KYUU
new	1040	OR Tigard	KEZF	WBND	1490	MS Biloxi	WMTX
WFAN	1050	NY New York	*\$ WUWQ	WAQX	1490	NY Syracuse	WNYR
WCII	1080	KY Louisville	*\$ WDJX	WGAB	1550	CT Bloomfield	\$ WLVB
KLTN	1240	NM Albuquerque	\$ KALY	WUSJ	1590	TN Johnson City	\$ WKTP
KGBU	1250	OR Florence	KCST	KEND	1590	TX Lubbock	\$ KLLL
KVIX	1290	OR Lake Oswego	* KLVS	KWHA	1600	AR West Helena	\$ KJTW

FORMAT CHANGES

call	KHz	state/city
KNMX	540	NM LAS VEGAS was Spanish/Chicano, now silent
KTSA	550	TX SAN ANTONIO was adult contemp., talk, now adult standards
WBHQ	560	TN MEMPHIS was news-talk, now rock oldies (WGSF-1210 takes it)
WROW	590	NY ALBANY was adult contemporary, now easy listening // FM
WBLX	660	AL FAIRHOPE was gospel, now black // FM 92.9 (Fitz-CT)
WFAN	660	NY NEW YORK was WNBC, AC/talk/sports, changed over to 66 WFAN on 10/7 @ 1730 (EDT), Imus remains (Wyllie-MA among others)
WEND	760	FL BRANDON new, to be Sun network talk to Tampa Bay
WYXX	770	VA CEDAR BLUFF was WYRV, country/CHR, now country (Mitkus-NC)
KOQO	790	CA CLOVIS was KXTC, adult standards, now Spanish // FM
WQXI	790	GA ATLANTA was rock oldies, now CHR/jazz eves // FM (Fitz-CT)
WHOS	800	AL DECATUR was gospel, now the third "All Elvis" oldies stn
WAT	850	IL CRYSTAL LAKE was country, now soft AC (again)
WYLF	850	NY PENN YAN was WQKA, adult contemporary, now adult standards
WUTK	850	TN KNOXVILLE was WIVK, silent, to be non-commercial all-news
KPTO	890	CA CITRUS HEIGHTS new, won't be on for six months to a year, will be religious to Sacramento when they arrive (Perry-CA)

WFCA 890 PA NICHOLSON new, to be non-commercial religious  
 WHFL 920 MI HANCOCK was adult contemporary, now contemporary Christian  
 WSYA 950 AL MONTGOMERY was WREZ, album rock, now "Sunny" AC/oldies //FM  
 WBBF 950 NY ROCHESTER was rock oldies, now country  
 WAVG 970 KY LOUISVILLE was adult contemporary/talk, now rock oldies  
 WSPQ 1010 WI STEVENS POINT was WXYQ, country, now oldies (Axelrod-MB)  
 KRAD 1020 OK PERRY country, adds Sun network talk nights  
 KKSA 1030 CA FOLSOM was adult standards to Sacramento, now silent again  
 WDRQ 1030 MI STERLING HEIGHTS new, CHR to Detroit (Laskowski-IN)  
 WUKQ 1050 NY NEW YORK was WFAN, sports (see 660), 10/7 switched to  
     Spanish, not // WSKQ-620 (Wyllie-MA & others)  
 WDJX 1080 KY LOUISVILLE was WCIL, rock oldies, now CHR // WDJX-FM  
 WOAP 1080 MI OWASSO was soft adult contemporary, now country  
 KACO 1090 TX BELLVILLE was country, now Sun network talk  
 WGMM 1100 GA WOODBINE now silent  
 KBND 1110 OR BEND was adult contemp., talk, now AC // KLRR-FM  
 KIIS 1150 CA LOS ANGELES was CHR // FM, now "club dance music" black/CHR  
 WHET 1150 MD GAITHERSBURG was SMN satellite AC, now live AC, jazz, talk  
 WDGR 1210 GA DAHLONEGA was country, now adult contemporary (Fitz-CT)  
 WGSF 1210 TN ARLINGTON was rock oldies, now contemporary Christian  
     (oldies format moves to WHBQ-560 Memphis)  
 KALY 1240 NM ALBUQUERQUE was KLTN, Spanish, still Spanish  
 WKWZ 1240 NY SCHENECTADY was WWWD, rock oldies, now CHR // FM 96.7  
 WIBU 1240 WI POYNETTE polka days/eves, IRN syndicated country overnights  
 WXKU 1250 PA YORK was WOBG, rock oldies, now country  
 WCRT 1260 AL VESTAVIA HILLS Transtar oldies, adds Classic rock evenings  
 KLVS 1290 OR LAKE OSWEGO was KVIX, adult stds, now all Elvis to Portland  
 CJSO 1320 PQ SOREL was silent, back on with French  
 WRRR 1330 IL ROCKFORD was WYBR, AC // FM, now ad. standards (Clemmer-IL)  
 KTYL 1330 TX TYLER was rock oldies, now adult contemporary // FM  
 WMQX 1340 NC WINSTON-SALEM was adult contemporary, now rock oldies // FM  
 KPDN 1340 TX PAMPA was KSNZ, country, now adult standards  
 KJJY 1390 IA DES MOINES was KMRY, adult standards, now country // FM  
 WLAN 1390 PA LANCASTER was adult standards, now rock oldies  
 KHTZ 1400 CA VISALIA was KODS (for a week), still rock oldies  
 WRON 1400 WV RONCEVERTE was country, now CHR  
 KKLO 1410 KS LEAVENWORTH was KCWV, new age // FM, now contemp. Christian  
 KBNP 1410 OR PARKROSE was KKUL, still business news to Portland  
 WRLT 1430 TN MADISON was WWRB, album rock // FM, now soft AC // FM  
 WTAL 1450 FL TALLAHASSEE was adult standards, now Sun network talk  
 WMHW 1470 CT MERIDEN was adult contemporary, now motivational talk  
 KKEL 1480 NM HOBBS was KUUX, country, remains country (Nittler-CO)  
 KOMA 1520 OK OKLAHOMA CITY was adult standards, now rock oldies  
 WPTR 1540 NY ALBANY was country, now news-talk  
 WPAD 1560 KY PADUCAH country, adds IRN country program overnights  
 KGUL 1590 WA SEATTLE was KJET, automated "new wave"/dance AoR, now  
     oldies "Cool Gold" (Portzer-WA)

The new satellite networks are springing up almost faster than they  
 can be tracked. Where possible I'll list affiliations; bear in mind  
 that sometimes these networks aren't IDed on the air, but they can still  
 be useful if you can ID parallel network stations.

\* \* \* \* D I A L C A R D \* \* \* \*

Have we truly exhausted all the cities and areas with BI readers?  
 If not, send in your area! Otherwise, I may have to invent them, and  
 then who knows what sort of oddities might prevail...

TRIVIA QUESTION OF THE MONTH

Answer to October's question: The state with the highest low station is  
 Delaware, whose lowest is 900 KHZ in Georgetown. The lowest high  
 station is KLAM-1450 Cordova AK.

For November, we tackle HARMONICS. The FCC and CRTC generally avoid  
 assigning two frequencies to the same town when they cause trouble on  
 lousy receivers. For example, in all of Canada and the U.S., I've only  
 found ten instances where stations licensed to the same city are on  
 frequencies where one doubles the other. (For example, while KFI-640 in  
 Los Angeles and KPRN-1280 in Long Beach are doubles in the same coverage  
 area, they're different cities of license). I'll give you one set:  
 WMAL-630 and WWDC-1260 here in Washington DC. How many of the other

nine can you come up with? (Can you find others I missed?) Some hints: Of the nine, five are in the Eastern Time Zone; three are Canadian, six are in the U.S.; two sets are in the same city; in two cases the two stations are the only two stations in the community! Good luck...

**PROPOSED STATION SALES** (\* means check the format listings for more info)

KWMT-540-IA, KBLU-560-AZ, KGRT-570-NM, WICI-600-IN (unbuilt CP), KSPN-6120-CO, KHOW-630-CO, WPBD-640-GA (sold to owners of WGST-920), WMOO-660-AL, WCPS-760-NC, WLND-830-OH, CKVL-850-PQ, WATV-900-AL, WBRV-900-NY, KCLW-900-TX, WFDF-910-MI, KHVN-970-TX, WKLY-980-GA, WITL-1010-MI, WBZ-1030-MA, WBNC-1050-NH, WRPT-1050-NH, KIIZ-1050, WBAF-1090-GA, WGBR-1150-NC, WAYD-1200-AL, KLDI-1210-WY, WJUN-1220-PA, WRRX-1230-AL, WAYX-1230-GA, KTRF-1230-MN, KERV-1230-TX, KDGO-1240-CO, WLCF-1240-FL, WBHB-1240-GA, WROV-1240-VA, WJMC-1240-WI, KZLR-1270-AR, KLGW-1280-TX, KUMA-1290-OR, KVOL-1290-TX, WPVA-1290-VA, WWGN-1320-NC, WYGO-1330-KY, WSOY-1340-IL, WAML-1340-MS, WHPA-1340-PA, KOLE-1340-TX, WKFD-1370-RI, KPOS-1370-TX, WVMS-1380-TN, KCZN-1400-CA, KKUL-1410-OR, WIMS-1420-TN, WRXO-1430-NC, WVAM-1430-PA, WJJL-1440-NY, KOBO-1450-CA, WKEU-1450-GA (now silent), KXXL-1450-MT (also now silent), WCLI-1450-NY, WFRG-1450-NY, KDLX-1450-UT, WJAK-1460-TN, WBZN-1460-WI, KOKA-1480-LA, WTVL-1490-ME, WEMJ-1490-NH, KOAW-1490-NM, WSDC-1490-SC, WTTN-1580-WI, KVGB-1590-KS, KQUL-1590-WA, WIDU-1600-NC, WBLV-1600-OH

**STATION SALES THAT FAILED:** WKWB-1520-NY

**MISCELLANEOUS NOTES:** The FCC in four separate actions proposed changes in its rules to facilitate enhancement of nighttime AM operation. Stations involved are in Class II, III, II-S and III-S. The commission is looking into improved methods of calculating skywave and groundwave field strengths. The FCC will also review methods used to calculate nighttime protection for AM stations...A possible up side to 66 WFAN? While the traditionalists rue the loss of WNBC, consider that with the death of Top 40 music on AM, the programming most likely to hook people on long distance listening for AM stations is sports, especially local play-by-play of teams in other parts of the country. An all sports station that covers half the country might be a good deal for the DX hobby. Just a thought. Incidentally, WUKQ-1050 and WSKQ-620 are co-owned for the time being; the FCC has granted a temporary waiver of duopoly rules until a buyer can be found for WSKQ...as will probably have been noted elsewhere by now, Radio New York International has been heard back on the air during mid/late October from somewhere off the coast of New York, 1620 KHz. Maybe they'll be bought out by disgruntled former WNBC staff, who will turn the station Spanish and sell it to a consortium of mulatto touch-typists who - oh, never mind...73's...

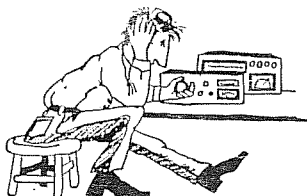
**Radio Stations & Broadcasting Companies**

- Alaska Educational Radio Foundation
- 6401 E Northern Lights Blvd..... 338-2612
- Alaska Public Radio Network
- Business Ofc
- 4640 Old Seward Hwy..... 563-7733
- Aurora Community Broadcasting Inc
- 4101 University Dr..... 561-1161
- Heads-Up Broadcasting Inc
- 1600 E 76th Av..... 349-1545
- Kash AM/FM Radio
- 1500 E 68th Av..... 522-1515
- Listener Line
- Anchorage..... 522-3311
- K A T B CHRISTIAN RADIO-89.3FM
- Suite 121
- 6401 E Northern Lights Blvd..... 338-2612
- Request Line..... 333-1577

- KBVR 700 AM
- Broadcast Center
- 1007 W 32nd Av..... 562-3456
- Request Line..... 561-5444
- News Hot Line
- Anchorage..... 561-5882
- Sales Office..... 561-4200
- Program Information..... 561-5444
- KCFA 1020 AM CHRISTIAN RADIO
- Esda River..... 694-5232
- KEW NEWSTALK 55
- News/Talk 55
- 1777 Forest Park Dr..... 272-7461
- KFGQ
- Business
- 9200 Lake Otis Pkwy..... 344-9622
- News..... 344-7013
- Studio
- 9200 Lake Otis Pkwy..... 344-1588
- KGOT FM 101.3
- 2800 E Dowling Rd..... 563-3555
- Request & Contest Line
- 2800 E Dowling Rd..... 563-3664
- KHAR HEART RADIO 590 AM
- PO Box 111566 So Station
- Easy Listening
- Anchorage..... 522-3422

- KKGR GOURMET 100
- Gourmet 100
- Pacific Rim Broadcaster
- 1777 Forest Park Dr..... 272-7461
- KKGR Gourmet 100
- Studio Line..... 277-1005
- KKLV FM 104
- PO Box 11566 So Station
- Adult Contemporary
- Hotline
- Anchorage..... 522-1144
- Office..... 522-3422
- KNK 105.3 FM 1007 W 32nd Av..... 562-3456
- KNB Z RADIO Anchorage..... 276-4815
- KPXX FM POWER 102
- 3700 Woodland Pk Dr..... 243-3141
- Request Line
- Anchorage..... 243-5102
- KSKA FM 91 LISTENER SUPPORTED RADIO
- Programming, Membership, General
- Information
- 4101 University Dr..... 561-1161
- KSKA Newsline Anchorage..... 562-2279
- KWHI
- Studio Line..... 349-9691
- Whale Blubber..... 344-4847
- KYAK AM 650
- 2800 E Dowling Rd..... 563-3311
- Contest Request Line
- Anchorage..... 563-4334

via Rod O'Conner



Eastern DX Roundup  
Editor: Ray Bauernhuber  
141-12 243 St., Rosedale, NY 11422

DEADLINE:     SATURDAY'S

=====  
(JDS-1-AL) J.D. Stephens  
3605-8 Chasewood  
Huntsville, AL - 35805  
RF-2600 w/30' longwire  
(JDS-2-AL) J.D. Stephens  
3605-8 Chasewood  
Huntsville, AL - 35805  
Sears AM/FM car radio, car whip  
(WI-RI) William Wyllie  
95 Peck Street  
Franklin, Mass. 02032  
DX'ing at Prudence Island w/Fisher 418 AM/FM radio  
with an indoor antenna.  
(WI-MA) DX'ing at QTH w/Realistic Modulaire 2200 w/indoor  
antenna  
(WPT-MD) William P. Townshend  
4500 Connecticut Avenue, NW  
Washington, D.C. 20008  
DX'ing at work w/Realistic Portovision-40  
(WPT-DC1) DX'ing at home w/Sony 2010  
(WPT-DC2) DX'ing in front of International Club, 1800 K St. NW  
w/Portovision-40  
(KVJ-AL) Karl Jeter  
2115 Scarbrough Rd.  
Stone Mountain, Ga. 30088  
DX'ing in Eastern Alabama near Roanoke w/Chuck  
Hutton; using HQ-150 & approx. 1500' Western Beverage  
(KVJ-GA) DX'ing at QTH w/assorted beverages.  
=====

570 KLDD TX, Dallas 10/16/88 0045 rock oldies, "k-oldie",  
phone requests. (KVJ-AL)  
610 WTVN OH, Columbus 10/24/88 1849 Oldies, ID by OM;  
fair-good o/u WIP. (WPT-DC1)  
690 WAPE FL, Jacksonville 10/21/88 1852 FAIR/GOOD Deerfield  
Lakes spot, t40 mx, o/u CBF. (WPT-DC1)  
750 WSB GA, Atlanta 10/20/88 0801 FAIR, u/WBMD. (WPT-MD)  
750 KJEL MO, Lebanon 10/5/88 1928 under WSB w/talk by m/DJ,  
mention of "K-gel." S/off @1930 w/invite to tune to  
KIRK-FM and said would return at sunrise. Heard  
"Lebanon, Lake (?) of the Ozarks" mentioned in  
s/off. (JDS2-AL)  
300 WHOS AL, Decatur 10/7/88 2230 Another "All-Elvis"  
station in new format change. "WHOS, Your Elvis  
Connection", "Elvis is Forever on WHOS AM 800",  
"Continuous Elvis all Day Long, WHOS", among the  
many slogans. Still simos w/WDRM "Country 102" FM,  
but now only after midnight local. (JDS1-AL)  
350 WYDE AL, Birmingham 10/20/88 0759 GOOD SID, TC. (WPT-MD)  
380 KRVN NE, Lexington 10/15/88 1951 Dominating w/C&W,  
time/temp. (KJ-AL)

950 WPEN PA, Philadelphia 9/30/88 2132 GOOD o/other stations with EZL mx; ID as "The Station of the Stars." (WW-RI)

960 CHNS NS, Halifax 10/1/88 2220 GOOD over others. Rock songs, weather, chorus singing CHNS & ID as "96 CHNS." (WW-RI)

960 WFGL MA, Fitchburg 10/8/88 2020 GOOD but fady; EZL mx like "Mack the Knife"; not heard in a long time; ID as "WFGL Radio 960." (WW-RI)

960 WSBT IN, South Bend 10/4/88 1952 Clear on the frequency w/"AM 96 WSBT". (JDS1-AL)

1000 CKBW NX, Bridgewater 9/30/88 2129 STRONG not always heard here. ID noted as "CKBW AM & FM" (WW-RI)

1070 CHOK ON, Sarnia 10/16/88 0232 VERY GOOD o/unk SS station; ID as "CHOK Your World Series Station." (WW-MA)

1150 WZBQ AL, Tuscaloosa 10/6/88 2325 LOUD w/"10 in a Row" rock mx. "Z-102"// FM. (JDS1-AL)

1160 WOBN NJ, Toms River 10/8/88 2300 FAIR TO GOOD fady in and out; country mx, ID as "Star Country" only use call on the hour. First time logged AM, a few months ago I logged FM. (WW-RI)

1240 WMGJ AL, Gadsden 10/18/88 1826 "magic AM", B/Sol format; one of my closest unheards. (KVJ-GA)

1290 WRBN MS, Meridian 10/17/88 1930 Black gospel, HBN Net nx. (KVJ-GA)

1300 WSSG NC, Goldsboro 10/13/88 1955 GOOD Sptx tk show; xclnt o/WFBR [ex-WYNG]. (WPT-DC1)

1310 KEZM LA, Sulphur 10/17/88 2142 Oldies, "Classic Stereo AM-1310" request line No. = 527-3657. (KVJ-GA)

1310 KBMV MO, Birch Tree 10/9/88 2005 FAIR w/no sign of WDOB. Northern stations not in this evening. Auroral conditions? Frequent "KBMV" jx, satellite C&W w/Doug Adams //WBRJ. (JDS1-AL)

1310 WDXI TN, Jackson 10/7/88 0043 Faded up for "...on WDXI", into C&W, then gone. (JDS1-AL)

1320 KWNN AR, Fort Smith 10/9/88 2023 Loud w/no sign of CFGM. "KMAZ 99.1, Western Arkansas" as well as \_\_\_\_\_ Oklahoma's Music Leader", spots for Exxon, Winston Morgan Motors, C&W mx. Are calls still KWNN or have they become KMAZ-AM.? (JDS1-AL)

1330 WMLT GA, Dublin 10/11/88 2047 Peaking o/WFBC w/spot for Chevy/Olds dealer, Ga. Southern PB promo. Frequent "AM 1300 WMLT Dublin" slogans. (JDS2-AL)

1370 WLPD RI, Wickford 9/24/88 2300 GOOD but much background noise. ID as "1370 Bayradio"; adult contemporary satellite programs. Local nx by John Thresher on hour. 180 watts at night. Some QRM from WDEA. 2300 s/off; much QRM from WFEA. (WW-RI)

1370 WDEA ME, Ellsworth 9/24/88 2310 FAIR TO GOOD o/WFEA and after WKFD goes off. News and Olympics update, then into program "Sports Final." (WW-RI)

1370 WELV NY, Ellenville 9/28/88 1923 GOOD buyt fady; EZL mx. with WELV ID. (WW-MA)

- 1380 KLUE OK, Muskogee 10/15/88 & 10/16/88 2322,0105  
"Supergold" Satellite pgn, FM ID "KKWK--QUICK 97"  
and slogan "Regional Radio" mixing it up w/ the  
other OK, KSWO. (KVJ-AL)
- 1380 KSWO OK, Lawton 10/16/88 0100 Satellite nx, C&W mx, ad  
for "Romance Hotline." (KVJ-AL)
- 1390 WTJS TN, Jackson 10/15/88 2031 "AM-1390", oldies, ad for  
"Roswell Food Mart on Hwy 45-N". (KVJ-AL)
- 1410 KTCS AR, Fort Smith 10/16/88 0140 "Country Lovin" KTCS  
window sticker jackpot promo. (KVJ-AL)
- 1420 WENE TN, Erwin 10/20/88 1900 FAIR ID, s/off by OM, ment  
of 5kw power. (WPT-DC2)
- 1430 WNRJ NY, Newark 10/3/88 2050 GOOD over WENE but Eady;  
black mx & DJ's. (NW-RI)
- 1440 WNEZ LA, Monroe 10/16/88 0223 oldies, F/DJ, ID. (KVJ-AL)
- 1490 WCLD MS, Cleveland 10/16/88 0000 ID, CNN nx. (KVJ-AL)
- 1500 KCLF LA, New Roads 10/15/88 2012 Local ads, LA Weather  
Net, oldies "Home of Goodtime Rock and Roll" (KVJ-AL)
- 1520 WKXQ SC, Myrtle Beach 10/13/88 1347 GOOD caught last  
few words of s/off, w/ment of Myrtle Beach  
[ex-WTGR]. (WPT-DC1)
- 1530 WRPM MS, Poplarville 10/9/88 1930 Good w/C&W mx and full  
data sign off. (JDS1-AL)
- 1540 WQCC NC, Charlotte 10/13/88 1346 GOOD tail end of  
Gospel program, then s/off w/o SSB. (WPT-DC1)
- 1550 WRHC FL, Coral Gables 10/11/88 2000 Out of nowhere  
w/"This is WRHC Miami/Coral Gables/Hialeah by OM  
w/Latin accent. WRC log says SS format. (JDS2-AL)
- 1590 WZRX MS, Jackson 10/9/88 2010 Rose up out of the mud  
w/Merchants Map spot, "Z-106"//FM. (JDS1-AL)
- 1620RNI INTERNATIONAL WATERS 10/15/88 2150-2245 w/mostly  
rock oldies, varying signal; at times very strong;  
ID's at :15 and :45 only, no other talk. ID at 2245  
ment. broadcasting from International Waters on the  
"good" ship Sarah, registration Principality of  
Ceylon (?not sure, isn't that Sri Lanka now?? [yup,  
it shore is...but see Karl Zuk's comments on this])  
also, "Sarah rocks us and we rock you, but not too  
hard." (KVJ-AL) [Karl, the Coast Guard put them out  
of business again].

=====  
UNIDENTIFIED  
=====

- 920 UNID 10/4/88 2003 Good w/CBS Nx, C&W mx, "The Righty 92"  
and "The Country Giant, W\_ \_ \_" slogans. (JDS1-AL)

=====  
Thanks again to all the reporters this week; please keep  
the reports coming in and remember that deadlines are  
Saturday's. Till next time, 73's de DX de Mr. B.  
=====









# WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

**DEADLINES: EVERY MONDAY**

**REPORTERS FOR THIS ISSUE:**

- (DA) Doug Allen-P.O. Box 5646-Woodland Park, CO 80866  
TS430-S, 160m dipole and Beverages
- (TRH) Tim Hall-350 G St. #F-1-Chula Vista, CA 92010  
ICP-2010, Radio West loop
- (GK) Glen Kippel-612 West Ave.-Merced, CA 95340  
SP-600-JX17 & 8' non-resonant loops
- (GL) Gary Larson-DX'ing in Walnut, CA  
Car radio
- (5P) Dale Park-2253 Kanealii Ave.-Honolulu, HI 96813  
(5P-HI) DX'ing from Kane'Ohe, O'Ahu with Delco car radio
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118  
GE Superadio, GE long-range portable, SM-2

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

- 650 KORL HI, Honolulu 9/101551 noted back on the air //KLHI-FM 101.1  
Tried to recheck later, but turned up nothing, and thought a power failure that knocked several stations off the air was the cause. But per KLHI, KORL was supposed to be off! (The relay agreement expired last month!) I suppose the engineer was fooling around, right? (5P-HI)
- 1110 (KHEI) HI, Kihei is now temporarily off the air, along with co-owned KVIB-FM 94.3, while owners search for a buyer. Occured 9/88 per FCC Honolulu; tentative return date is 11/29. (5P-HI)
- 1380 (KLNI) HI, Pearl City 9/19 noted off the air. Per FCC, owner Henry Youngs took it off 9/16, citing financial difficulties. This SMN outlet had run a "last-minute" ad blitz on TV, right up to the week before. (5P-HI)

- \*\*\*\*\***
- 530 KNID798 CO, Stapleton Airport, Denver fair sig at 55 miles day & night. (DA-CO)
  - CFHS ON, Ft. Francis 10/24 a service of the ministry of tourism, Ontario highways & recreation. "For weather tune to CFOB on 640." O/u KNID798 Stapleton Airport. (DA-CO)
  - 540 KWMT IA, Ft. Dodge 9/4 0006 "Your country station, KWMT." (DA-CO)
  - 570 KLAC CA, Los Angeles 10/14 0904 "KLAC News" many times. (DA-CO)
  - 580 KMJ CA, Fresno 9/3 2315 Fresno Bulldogs football, spots. (DA-CO)
  - 600 KKLQ CA, San Diego 10/12 0902 many "Q106" IDs. (DA-CO)
  - 520 KTAR AZ, Phoenix 10/17 0358 spot cluster, ID. (GK-CA)
  - KCLQ CA, Hanford 10/14 0906 s/on then simulcast with KCLQ-FM. (DA)
  - KSTR CO, Grand Junction 10/5 0001 79 watts on top. (DA-CO)
  - KWFT TX, Wichita Falls 9/16 0110 s/off & SSB. (DA-CO)
  - 560 CFRR AB, Calgary 9/10 0135 ID & weather. (DA-CO)
  - 680 KFQE MO, St. Joseph 9/7 0035 ID, under KNBR & KWKA. (DA-CO)
  - 690 KVNA AZ, Flagstaff 10/13 under XETRA 0541 with ID "AM 6-90, KVNA." (GK)
  - 730 ?KIZN? ID, Boise 10/14 0900 sounded like "KIZN 93 FM." (DA-CO)
  - KURL MT, Billings 9/4 0036 temp. & ID into relig. (DA-CO)
  - KSVN UT, Ogden 10/5 0000 dominating peanut whistles. (DA-CO)
  - 750 KMMJ NE, Grand Island 9/23 0778 "75 Country." (DA-CO) (0778??--NH)
  - KOAL UT, Price 10/25 0717 C&W DJ asking for calls, 800-548-4403. As far as I know, I was the only one who called that half-hour. Lots of KPMB slop. QRM from KXL, KAMA, etc. (GK-CO)
  - KAMA TX, El Paso 9/3 2300 "cah-ah-emay-ah" ID. (DA-CO)

760 CKQR BC, Castlegar 10/13 0458 with "All Night Network" & into BC news. (GK-CA)

780 WJAG NE, Norfolk 9/23 0808 ID & local news. (DA-CO)

790 KFGO ND, Fargo 10/7 2354 spots for Moorehead, Fargo, local weather and legal ID. (DA-CO)

800 ?KNKK? UT, Brigham City 10/25 0700 ID "KNKK (not positive of call) Brigham City, Ogden, Salt Lake City," then SMN news. At 0800 re-tune, c/s ID then sounded like ABC News. (GK-CA)

840 KVEG NV, North Las Vegas 10/24 0431 strong way over WHAS with ID "AM 840, KVEG" into comedy program. Per friend in Vegas, power is 50kw days, 25kw nights, and per JCJ-MT, has been on air since 10/18. Thanks to JCJ for this tip. Note: per on-air annct., address is 4180 South Pecos, Las Vegas, NV 89121, and they are eager to hear from anyone! (RW-CA)

850 ?KOA? CO, Denver 10/10 0629 ads for Dick Davis Financial Digest & Folgers before fading out. Very poor to poor, KIKI-830 splatter. (5P-HI)

880 KKMC CA, Gonzales 10/11 1638 poor sigs with usual Christian programming. New midday catch here; locals XEMO-860, XEGM-950, XEPRS-1090 and XERCN-1470 all took random SP's last night and this afternoon. (TRH-CA)

890 KQLX ND, Lisbon 9/24 0800 "AM Stereo 890." (DA-CO)

900 KHOZ AZ, Harrison 9/4 2245 "Great songs, great memories." (DA-CO)

?KSG? KS, Wichita 10/4 2200 not sure of call. (DA-CO)

920 KDHL MN, Paribault 10/8 0006 "It's 36 degrees at KDHL." (DA-CO)

?WBBB? NC, Burlington 9/20 2309 ID in noise into relig, on E-W Beverage. (DA-CO)

KKLS SD, Rapid City 9/20 2310 legal ID & local spots. (DA-CO)

KYST TX, Texas City 9/20 2303 SS, ID in EE, under KQEO. (DA-CO)

930 KSEI ID, Pocatello 9/17 0038 weather and "KSEI AM 930." (DA-CO)

KSDN SD, Aberdeen 10/7 2134 local weather & ID. (DA-CO)

960 KOOL AZ, Phoenix 9/17 2253 news & weather into oldies from 50's and 60's. (DA-CO)

CFAC AB, Calgary 10/11 0732 news of Alberta & Saskatchewan. (GK-CA)

1000 KSTA TX, Coleman 10/14 faded in with Texas farm market news, spot for Coleman Nat. Bank; o/u WCFL. (DA-CO)

KJJT TX, Odessa 9/18 0000 SS very strong, s/off in English. (DA-CO)

?WRQT? ?? 9/5 0000 mostly casual banter by guy & gal with occas. AdCon. Sounded like a pirate?? Very weak. (DA-CO)

1010 KIND KS, Independence 9/7 1930 Royals BB, spots // 101.7. (DA-CO)

1020 KCKN NM, Roswell 9/8 0100 new class., SS parttime. (DA-CO)

1030 KCTA TX, Corpus Christi 10/18 0813 local spots & ID into relig. (DA)

1050 KNXX NM, Los Ranchos de Albuquerque 9/17 2300 ID in SS o/XEG. (DA)

1060 \*KPAY\* CA, Chico 10/24 0432 strong with TT. (RW-CA)

KAHU HI, Hilo cut back hours again to 1100-2300 EST, even though it's licensed fulltime! Betchacan't catch this, Pat, hi! (5P-HI)

KYW PA, Philadelphia 9/4 0200 "All news all the time KYW." (DA)

1070 ?CFAX? BC, Victoria apparently the station under KNX 10/17 0417 with "The Original Night Shift" & Canadian weather. (GK-CA)

1130 WDGY MN, Minneapolis 10/7 all evening; their multi-tower array squirts about 99% of their power north, the Beverage picked up the other one per cent! (DA-CO)

1140 WRVA VA, Richmond 10/8 2159-2206 relig., then ID, news, and woman giving Richmond weather, under KSOO. State #32. (DA-CO)

1190 KVSF KS, Beloit 10/15 0707 s/on, weather, PFA spot, over KJLA. (DA)

WOWO IN, Ft. Wayne 10/18 0752 local spots & ID. State #33. (DA-CO)

1220 KDFC CA, Palo Alto 9/16 0028 class. music to ID, in static. (DA)

?WLSM? IN, Salem 10/18 0804 "25kw ?'s most powerful station" sounded like Salem? Under CJRB & others. (DA-CO)

?WTCN? MN, Stillwater 10/14 0727 MN farm news & weather, no ID. (DA)

CJRB ME, Boisservain 10/7 2300 relig., ID, back to relig. (DA-CO)

1230 KHAS NE, Hastings 10/7 2000 Lincoln area news & local spots. (DA-CO)

KVOC WY, Casper 10/21 0900+ dom. on Beverage for 20 min. (DA-CO)

1250 KBRF MN, Fergus Falls 10/7 1845-1900 local spots & Cardinal football promos into C&W, ID on hour. (DA-CO)

KIKC MT, Forsyth 10/21 0905 "Montana headlines," spot on parade in Billings, legal ID at 0915. (DA-CO)

1260 ?KWYR? SD, Winner 10/24 0659 2nd MM tent. logged in a row. Nice inst. SSB then garbled ID "...with a power of 5000 watts, daytime only, by authority of the Federal Communications Commission..." faded out. Back up with ABC-I news which fits KWYR. Very weak in KOIT null, fighting KVSF & CFRN. (RW-CA)

- 1270 KIML WY, Gillette 10/14 2313 legal ID into C&W, under WKBF. (DA-CO)  
 1290 KHSL CA, Chico 9/5 0051 promos & class. (DA-CO)  
 KMEM CA, San Bernardino 10/10 0618 George Benson song, ID on cart; "The Heart-and-Soul of the Inland Empire, K-M-E-N," back to satellite DJ with talk. Probably SMN black oldies. Fair. (5P-HI1)  
 1300 KROP CA, Brawley 10/8 0100 ID on hour. (DA-CO)  
 1310 KZZP AZ, Mesa 9/5 2118 "KZZP 104.7 FM." (DA-CO)  
 KOKX IA, Keokuk 9/5 2105 "temp 56 at KOKX." (DA-CO)  
 1320 WKAN IL, Kankakee 10/7 2031 "presentation of KAN sports." (DA-CO)  
 1340 ?KNPA? ID, Nampa 9/29 2137 local spots, no ID heard. (DA-CO) (Earlier this year they were heard with calls KSGR.--NH)  
 1360 KNRE TX, Ft. Worth 10/5 2300 ID as Fort Worth-Dallas. (DA-CO)  
 1380 KHJJ CA, Lancaster 10/1 0900 s/on, SSE, "Lancaster-Palmdale." (DA)  
 1390 KCRC OK, Enid 10/5 2322 "We're here to remember the good times" into oldies. (DA-CO)  
 1410 KWYO WY, Sheridan 10/6 0015 "10:15 here at KWYO." (DA-CO)  
 CFUN BC, Vancouver fair-good 10/17 0341-0350. Contest promo, spot for Ocean Park Ford, weather "Right now 6 degrees at English Bay." AdCon music, slogan "14 C-Fun." (GK-CA)  
 1420 KMOG AZ, Payson 10/22 0924 C&W, many local spots, one ment. Star Valley. In clear mostly, some SS under probably XEXX. Very good sounding. (GL-CA)  
 1450 KSIW OK, Woodward 10/5 2305 temp & forecast for Woodward. (DA-CO)  
 1470 KFQX TX, Abilene 9/26 0200 legal ID. (DA-CO)  
 KWIV WY, Douglas 10/5 2345 weather for Douglas. (DA-CO)  
 KRER CA, Eureka snagged 10/17 0304 with KYOS off. Satellite News Network (SMN) News, C&W music, slogan "KRER Eureka, Big Red." (GK-CA)  
 KGCX MT, Sidney 10/6 0103 s/off & SSB. (DA-CO)  
 1490 KSYC CA, Yreka 10/17 0307-0315 in SMN Country net // KRER. Promo heard 0311 ment. "Music Country." (GK-CA)  
 1550 KUAT AZ, Tucson 9/29 2105 news & ID. (DA-CO)  
 +10/22 0936 lady doing news/sports/weather. 62° in Tucson, into Weekend Ed. from NPR. (GL-CA)  
 1580 KNIX AZ, Tempe-Phoenix 10/22 0938 with Cotton Jenny in strong but a bit fady with KDAY under. Nice to hear. (GL-CA)  
 1600 KGST CA, Fresno 9/16 0000 ID in Spanish on hour. (DA-CO)  
 KSSA TX, Plano 9/26 0102 SS, but legal ID in English. (DA-CO)

UNIDS:

- 1230 KZOU?? 10/15 0000 ment. of Little Rock, call something like "KZOU solid gold." Poor in slop. (DA-CO)  
 1340 10/10 0620 "Best of King" with guest Marlene Saunders. My LKS shows KATA-CA and KL00-OR as possibles. Poor, some KFAC-1330 QRM. (5P-HI1)  
 1600 9/27 0038 heard "It's 58 degrees at KRXO 108." (DA-CO) (KRXY-Englewood, CO?--NH)  
 1600 10/23 1846-1848 "KCTL 105.5" & "Y 108." (DA-CO)

Welcome to WDKR, Doug. That's some first report! See everyone next week. ♡

\*\*\*\*\*  
**IRCA Foreign DX Reference, Volumes 23-25**  
 \*\*\*\*\*

You're tuning around and hear a carrier from foreign origin on a frequency (say TA on 891). You want to quickly know which countries have been heard on the frequency and what type of programming was heard. Or, you're DXing and have heard several stations from one foreign area (say Japan) and want to quickly know what other stations have been heard from that area. These are the situations the IRCA Foreign DX Reference was created for. No longer will you need to thumb through tens of back issues of "DX Monitor" to find the information you need. With the IRCA Foreign DX Reference you can quickly determine which foreign stations might on a particular frequency or where to look for more stations from a particular area.

In honor of IRCA's 25th anniversary (and because it sounded like a good idea), this year's Reference was compiled from the last *three* years of "DX Monitor"!

The IRCA Foreign DX Reference is a cross reference listing of all the stations reported to DXWW-W and DXWW-E during volumes 23-25 of "DX Monitor" (9/85-8/88). Three sections are available: Trans-Atlantic, Pan American, and Trans-Pacific. Each section contains a frequency listing (countries reported for each frequency) and a country listing (frequencies reported for each country) including the "DX Monitor" issue in which they were reported (volume and number). The Reference is an indispensable guide to what was reported the last three years, and where to find specific information about the receptions.

Each listing is 6 or 7 pages long. You can order any one of the three (TA, PA or TP) for \$2.00 each, or all three for \$5.00. Order your copy now before the 1988-89 season gets underway. Make checks out to IRCA and send them to: 9705 Mary N.W., Seattle, WA 98117. (phil bytheway)



# WORLDWIDE EAST

EDITOR: JIM HALL ■ 240 BYRON ROAD ■ PITTSBURGH, PENNSYLVANIA 15237-4015 U.S.A.

T R A N S - A T L A N T I C D X (Connelly-MA) unless noted

- 549 ALGERIA, Oran-Les Trembles 0210 10/10 : Good w/female AA chant.
- 585 t SPAIN, Madrid 0216 10/10 : SS mx, in WEEL-590 slop.
- 684 t YUGOSLAVIA, Beograd 0517 10/28 : Strong carrier, but little audio in slop - m in lang. (Hall-PIT)
- 738 SPAIN, Barcelona 2338 10/10 : SS pgm, poor.
- 747 t HOLLAND, Flevoland 0420 11/1 : M in unID lang. & possible US pop song - likely the one with Norway-1314 audible & a gd. het from 1179 which was prob. Sweden. (Hall-PIT)
- 891 ALGERIA, Algiers 0244 10/10 : Good w/AA chanting & violins.
- 1062 t PORTUGAL, Norte 0510 10/28 : Fr - occ audio in slop sd/lk PP. (Hall-PIT)
- 1107 SPAIN, 0301 10/10 : SS nx, fr o/SAH cluster.
- t+0520 10/28 : Audio in heavy slop - SS, presume Spanish gy'er. (Hall-PIT)
- 1116 t ITALY, Bari et al. 0511-0540 10/28 : Surely an OC til 0530, 11-sounding talk after 0530. Must be the Italian @s/on. (Hall-PIT)
- 1125 YUGOSLAVIA, Tovarnik 0509 10/28 : Pr but peaked & was //1134. (Hall-PIT)
- 1134 SPAIN, 0303 10/10 : Bits of SS talk by woman, in WNEW-1130 slop.
- YUGOSLAVIA, Zadar 0513 10/28 : V. readable at times //1125 - M & w in Slavic talk. (Hall-PIT)
- 1179 t SWEDEN, Solvesborg 0517 10/28 : Likely the one per cx w/ m & w in unID lang. (Hall-PIT)
- 1375.0 unID, 2300 10/26 : Seemed to loop ENE - St. Pierre/Miquelon back from 1376.2 etc? (Hall-PIT)
- 1377 FRANCE, Lille 0445 10/10 : Poor w/m & w in FF.
- 1467 t MONACO, Monte Carlo 0443 10/10 : Bits of mx, slopped.
- 1521 SAUDI ARABIA, Duba 0314 10/10 : Excellent, like a local w/male a-cappella AA chant; pop mx European way under. This and 891 were the strongest TAs.
- 1575 unID, (SPAIN or PORTUGAL) 0318 10/10 : SS or PP male vocal, poor.
- 1584 SPAIN, 0433 10/10 : SS talk by man o/other audios & low-pitched het growl.
- 1593 WEST GERMANY, Langenberg 0432 10/10 : Pop mx, poor to fair w/rapid fades.

P A N - A M E R I C A N D X (Connelly-MA) unless noted

- 535 GRENADA, Morne Rouge 0212 10/10 : Gd w/EE telephone-talk show. (Mark - WRTH has this listed as St. George's now. ed)
- 555 ST. KITTS, Basseterre Z1Z 0213 10/10 : Gd w/soul oldie "Take Time To Know Her" (Percy Sledge/1968). (Connelly-MA)
- 560 JAMAICA, Kingston 0500 10/24 : Rlgs pgm, s/off by man, ment of JBC. Good, no sign of pest WFIL. (Townshend-DC)
- 580 PUERTO RICO, San Juan WKAQ 0215 10/10 : Strong & totally dominant w/Washington & Puerto Rico news items then SS "WKAQ R. Reloj" ID.
- 630 PUERTO RICO, San Juan WQBS 0220 10/10 : Gd w/salsa mx, local ads, "salsa" slogan; WPRO null'd.
- 670 CUBA, 0230 10/10 : Totally dominating channel w/Cuban nx.
- 744.4 unID, 0240 10/10 : Carrier. (Mark - could have this been Ecuador? See below. ed)
- 745 t ECUADOR? Chone 0239 10/27 : Carrier looping correctly. Tnx to Geo. Hakiel for the tip - see last wk. also. (Hall-PIT)
- 760 VENEZUELA, Puerto La Cruz 0119 10/27 : Mx, later possible sporting event coming up w/Cuban/WJR. (Hall-PIT)
- 790 CUBA, Pinar del Rio CWAD 0247 10/15 : Metronome pips, SS talk by man. Fair w/WTAR. (Townshend-DC)
- 925 t GUATEMALA, San Pedro Carcha TGUL 0351 10/27 : Carrier in suitable cx - got the "Imperial" ID here last season. This is rarely anything past a carrier. (Hall)
- 940 t MEXICO, Mexico City XEQ 0704 10/28 : Sd/lk man was saying "mec-er-co" (Mexico) & maybe "XEQ" numerous times w/SS mx played also, booming - very good signal! Also weak Larry King, Radio Mexico, and Canada came back later. (Heisey-PA) (Very likely the Mexican, Gary. ed)
- 1040 CUBA, 0445 10/10 : SS Cuban pgm totally dominated channel.
- 1080 t VENEZUELA, Barcelona YVQJ 0256 10/10 : SS talk mentioning Venezuela, o/u WTIC.
- 1090 MARTINIQUE, Fort de France 0254 10/10 : Good w/calypso mx, Caribbean-accented FF talk, "Caraiibes" jingle; WBAL looped. (Good catch, Mark. ed)

1120 VENEZUELA, Maracaibo YVMF 0450 10/28 : Well o/Cuban/KMOX w/back-to-back US pop/740 EE songs & occ "Mas Musicas" slogans (meaning more mx & they're not kidding), to 0450 w/full data "Este es Ondas del Lagos -- Superondas, mil ciento veinte kilocycles ( ), el super sonido, ( )" fol/by marching band anthem w/operatic vocals (same anthem as recently hrd on 1580), presumably a s/off, a few min. early (Hall)

1127.1 t COSTA RICA, San Jose TISHB 0451 10/10 : SS male vocal, badly hacked by WNEW... (Almost no doubt the one, Mark, as no other LA's have been heard on the freq. ed)

1155a unID, 0449 10/10 : Drifty, AC-modulated rough carrier - a Cuban jammer? (Don't know - I haven't seen anything else reported here. Think El Salvador is back? ed)

1555 CAYMAN ISLANDS, Gun Bluff 0316 10/10 : Stn is still on. (I think there was a rumor of this going to a 10-kHz-multiple channel or off totally). (Mark, I had read that they were possibly moving to 1550, but that was several years ago and they're still on 1555. Also, I'm sure they were off a month or two ago for whatever reason (see last few columns) - now it seems their modulation is very low. Has anyone else noticed this? ed)

CREDITS:

(Heisey-PA) G.A. Heisey, Box 310F, RD1, Osterburg, Pennsylvania 16667  
(Philco radio & GE Superradio II)

(Connelly-MA) Mark Connelly, WA110N, 7 Trowbridge Path, West Yarmouth, Mass. 02673  
(Sony ICF2010 & Palomar Loop)

(Townshend-DC) William P. Townshend, 4500 Connecticut Avenue, NW, Washington, D.C. 20008  
(Sony ICF2010) (addr:#901)

(Hall-PIT) Jim Hall, 240 Byron Road, Pittsburgh, Pennsylvania 15237-4015

\*\*\*\*\*

Continued from page 10

97.1 MHz Old owner: General Electric/National Broadcasting Company  
Old call: WYNY "country 97"  
Old format: country  
New owner: Emmis Broadcasting  
New call: WQHT "hot 97"  
New format: urban contemporary hits

97.9 MHz Old owner: Jewish Daily Forward newspaper  
Old call: WEVD (named after labor leader Eugene V. Debs)  
Old format: multilingual ethnic  
New owner: Spanish Broadcasting System of Florida  
New call: probably WSKQ "super KQ"  
New format: Spanish full service adult contemporary  
>Note: this sale may not go through; the owner of WNYM 1330 kHz which bought that station from Jewish Daily Forward about 5 years ago claims it has a first refusal right to buy 97.9 if it is for sale; if WNYM is able to prevail, the sale to Spanish Broadcasting will fall through and it will be without the FM station it wants.

102.7 MHz Old owner: Metropolitan Broadcasting  
Old call: WNEW-FM  
Old format: album oriented rock  
New owner: Sillerman-Magee Broadcasting  
New call: still WNEW-FM  
New format: still album oriented rock

103.5 MHz Old owner: Emmis Broadcasting  
Old call: WQHT "hot 103.5"  
Old format: urban contemporary hits  
New owner: Westwood One Radio Networks  
New call: WYNY "country 103.5"  
New format: country

The main impetus behind the whole swaperoo: GE deciding to get out of the radio business. Secondary impetus: Westwood One wanting to get in.

I think I have this right. Any corrections?

>Greg Monti

# EASTERN DX FORUM

Richard C. Evans  
Apt. 19  
5104 N. Lovers Lane  
Milwaukee, Wisconsin 53225  
414-466-8754

Tom Jasinski, 419 North Raven, Shorewood, Illinois 60435

Greetings. Bits and pieces with a little bit for everyone. First, I moved in July to a bigger house on the north edge of Shorewood, 2 miles north of the old QTH. A fair DX location with a 40 acre farm field across the road on the north side of the house. Possible Beverage ant. site. In August my daughter and I spent a week camping in the woods in SW Ontario. On the way up, we passed the Loran "C" station at Baudette, Minn. The station is located 10 miles south of Baudette, single antenna located on the east side of Highway 72. The AM band is nearly dead up there. The Loran "C" station could be heard with a terrible clatter on the car radio just below 530 kHz. A strong harmonic could also be heard between 1020 and 1080 kHz. You can add a TIS to the NRC TIS/HAR list, CPMS 530 kHz, Fort Francis, Ontario, with taped travelers info for the border area. Coming back down between Intl. Falls and Virginia, Minn., the AM band is really dead. WKKQ-650 was the only clear station heard on the car radio. Just a few others too weak to copy. 710 WDSM, Superior was just above the noise. KGHS-1230 got out only 20 miles. Recent QSL's: Nice v/l from WFHR-1320. Mentioned they have a badly corroded tower which could be affecting their pattern. They will remove this tower from service in the near future while repairs are made. During that time power will be reduced to 125 watts, non-directional! This per CE M.L. (Pete) Deets. (If only that could have happened last year at this time while I was living up there in Rapids!!!--rce) Still no reply from KBZY-1200 after 2nd fl-up. Per call to station correct address is: 1906 Wilmington Road, New Castle, PA 16105. Bagged a verie with a PFFC for tentative reception of KTYE-1260 for 1st Thursday PC. Test ran from 0200-0230. Received a second verie with pennant from XEQ-900. First verie was received in Sept., 87. Must have forgot they sent one. I wish many USA stations had that same cordial feeling and would at least send the first verie! For you Frequency Check freaks, the IRCA 1938 PC has WFTL-1580 listed on 1st Wed. WFTL is on 870. As of 10/22/88, the new 1200 station in Chicago is still not on the air. 73's.

Rick Evans, 5104 N. Lovers Lane, Apt. 19, Milwaukee, Wisconsin 53225

Regarding Gene Martin's Forum in the 10/22 WDXF, last season both WVAL-660 and WKKQ-650 were heard consistently in Wisconsin Rapids, with WKKQ-650 being the stronger of the two. Neither station actually told me where they transmitted from, but the letterhead for WVAL-660 indicated that they broadcast from Sauk Rapids-St. Cloud, while the coverage map for WKKQ-650 showed their coverage area with a star posted at Hibbing, Minn. I would suspect that the band is dead up there (as Tom Jasinski indicated in his forum report on this same page). Don't forget there is a lot of iron mining in Wisconsin and Minnesota south and west of Lake Superior. Virginia and Hibbing, Minn. are located on the Mesabi range, which is not a mountain range but a broad strip of iron deposits, which are mined there and shipped out thru Duluth, Minn. and Superior, Wisc. (Now there's a grounding rod if you could just tap into it!) Speaking of close stations, though, the example I always heard about was 1520 in Bryan, Ohio and Toledo, Ohio, at roughly 60 miles apart; then you have both Kent, Ohio and Canton, Ohio on 1520 at 31 miles apart. There must be some very interesting patterns in that state since all four states are in the northern half of the state, with the Bryan station being non-directional. On the DX front here, only one new station in the log in the past week, but it's not really DX. I realized that I hadn't put WHAS-840 in the records here so it became station #117 for me. Gotta call it a night for this week. See you again in seven days. 73.

# WTUX

THE "MUSIC OF YOUR LIFE"

1310 AM





# Western DX Forum

★ ★ ★ ★

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

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

DEADLINES - WEEKLY ON TUESDAY 11 DAYS PRIOR TO PUBLICATION DATE

□ □ □ □ □ □ □ □ □ □

GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504 (818) TH2-3051 NSP

Hi. Decided to DX prior to watching a cross-country meet at the Rose Bowl, Pasadena on 19 October. Tuned around and heard 1350 KCKC with mention of a phone number, 877-5252, for requests. Some slop from KWKW 1300. Also heard KUTY 1470, 1480 Santa Ana (call?) now in SS. (I presume still KWIZ, as I listened for a while on the 23rd and heard nothing in calls or slogan-RtH.) Also a faint KSHO 540. KWRM 1370 in strong with C&W. Heard a trace of KNSE 1510 in SS.

Looks like next month is the switch from 1300 to 1330 for KWKW. KA?N will then replace KWKW on 1300.

21 October I picked up KVEG 840 Las Vegas clear on the car radio at 2053. First time heard here or for that matter first station heard on 840, other than WHAS. Anyone know power or transmitter location. (They're listed in the NRC Log as 50/25 kw-RtH.)

Recently was at a race in Chino and later went to locate two station transmitter sites. KNSE 8729 E. 9th Rancho Cucamonga - it has four towers. (Same facility that I saw 25 years ago, but they were EE then, hi-RtH.) The other is KNTF 93.5 (C&W) at 5000 Haven Ave., Alta Loma, at the very top of the road on the side of a mountain.

Couldn't make it to the SCADS meet on 15 October due to participation at a cross-country meet in Valencia. I'm still interested but never seems to be enough time to do everything.

73 everyone and Sacramento in '89.

TIM HALL, 350 G ST., #F-1, CHULA VISTA, CA 92010-4559 (619) 426-3584 NSP

Another clear channel bites the dust! While driving to work at 0400 PLT Sunday, 23 October, found KVEG (840) blasting on my car radio with AdCon (very limited library - lots of repetition), comedy clips (ditto), and promo for nightclub acts in town. They also have a real estate show Sundays at 0900 and a cooking show weekdays at noon. In the evenings, they have an informal call-in show (mostly L.A. callers - phone number is 1-800-422-KVEG if anyone wants to put in a plug for IRCA) with music thrown in when they don't have any callers. They plan to do live remotes from casinos 1900-0100 PLT nightly. Local news on the hour (some hours), and one hour of REL shows Sundays at 0800. Slogans used include "AM 8-40," "Superstation - Las Vegas style," "The greatest air show on earth," and a few others. (Yeah, and what does that make 15-year-old KDWN - chopped chicken liver? Hi-RtH.)

Anyway, KVEG is a solid midday catch here (just what I need, hi). Called the station (702) 451-3131 and startled them with the news of my midday reception. The station's address is 4180 S. Pecos #100, Las Vegas 89121 (on the far corner of town from their N. Las Vegas city-of-license!). First day on the air was Tuesday 18 October and the station will be NSP (like everything else in Las Vegas, hi).

Well, with a semi-local on 820 and now an NSP pest on 840, I can pretty much kiss DU's goodbye - 819, 828 and 837 were the only semi-reliable frequencies to hear Australia and New Zealand here. Also, WHAS is now only barely audible under KVEG - and so much for that f/up report I was going to make for KSWB! The clears cluttered up in one month - this is a depressing way to log new stations, hi.

Local items: somebody mentioned the Rush Limbaugh show (or whatever his name is) (You got it right - made his name here at KFBK-RtH.) is airing on XETRA. It also airs locally on KVSD a few hours earlier. (He's syndicated by ABC New York, Tim-RtH.) Kind of like Bruce Williams on KGIL (1800) and KFI (2300) in L.A. After Limbaugh, KVSD picks up ABC Talkradio with Michael Jackson (they've never aired Sun Talk Radio, and I doubt they will). They've tried local talk in PM drive with very negative listener response. Also, Padres announcer Dave Campbell was suddenly fired this month by an interim Padres executive. Public opinion in running 94-to-6 percent against the firing of the 19-year Padres broadcasting veteran.

No word on KIRS 1040 yet. Will follow through on this later. 73 de TRH.

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

Thanks to all who wrote to me expressing that they enjoyed reading the article I wrote, "KRLA Becomes a Thing of the Past." I greatly enjoyed the broadcast and listening to the "old" KPWB, KRLA and KHJ of those years gone by. Some comments re the article: In the final paragraph, I wrote: "KRLA started out in 1949 as country music station KXLA." In the 03 September WDXF, Jim Hilliker responded, "KRLA began in 1942 as KPAS; then (became) KXLA a few years later." Jim, to rebut, my reference (believe it or not) is an old KRLA record album I have which states on the back cover: "KRLA starts out in 1949 as country music station KXLA, featuring Tennessee Ernie Ford as a deejay. 1959 - a big turning point: The format switches to 'radical' rock 'n' roll. . ." Per some further research, I have indeed confirmed Jim's claim that there was a KPAS on 1110 prior to KXLA - but perhaps that KPAS was a different station which became defunct, or switched to a different frequency?? Does anyone know for sure, or have a way to find out? Also, I wrote in the article: "Circa 1970, I recall that KMET 94.7 FM had also re-created. . .'Color Radio' KPWB." For those interested, I have since determined the exact date of that broadcast, which was on November 11, 1972.

In other news, per a call to the CE at KWKW 1300 (or "KW" as they call themselves), their move to 1330 and the sign-on of the new KAZN ("K-Asian") on 1300, have been delayed until at least mid-December. Also, some interesting facts he passed along: The new owner of KAZN is George Frizinger, who used to own KPAC 1330 and 92.3, until he sold the stations a couple of years ago. So this truly is a real 3-way swap. Additionally, he told me that during the actual frequency change, there will be a few minutes in which the 1300 and 1330 frequencies "will belong to no one"! I hope to catch the actual frequency swaps taking place. It should be rather interesting; and also, since I've never heard local 1330 off the air, I might even get in some 1330 DX, hi. (Steve, I remember when KFJH was a MM pest on 1330-RtH.)

Two interesting format changes: KIIS 1150 has dropped 100% // with CHR 102.7 FM, and is now 100% rap music. (Yes, I know. I almost lost my lunch on the Santa Ana Freeway, hi-RtH.) Music is literally continuous, and re-mixed so that the beat from one song bridges over into the beat of the next; the way it would sound in a disco. Sounds automated, and even the ID's ("The new Stereo Kiss-AM") are all dubbed over continuous-playing music. As of this writing, 27 October, the new format has been going for about a week, and there hasn't been a commercial break yet!

KWI 1480 Santa Ana has dropped // with light rock 96.7 and has gone Spanish (yes, Spanish!). ID's are R. Exitos. New KVEG 840 N. Las Vegas is on (I didn't even know there was a CP, hi) announcing "50,000 watts" and "serving the west, from the tundras of Canada to the deserts of Baja California." Excellent stereo signal here at night; and poor to fair midday on the TRF. (Incidentally, does anyone know the status of the new Orange, CA station on 840? Considering the strength of KVEG, I doubt the new Orange will be able to go on.)

Tim Hall, one of the radio dramas you mentioned hearing on XETRA is the "Mystery Theater" - a resurrection of the old "CBS Radio Mystery Theater." Also carried locally on KMPC 710 from 1900-2000 PST weeknights. By the way, KNX 1070 still carries radio dramas nightly from 2100-2200 PST (their old CBS Radio Mystery Theater time slot). And to think that KNX at first was hesitant to even carry such dramas, as they felt that they would not readily fit into their all-news format.

Finally, for the record (and for those who may not have noticed), CBS News has reduced the length of its hourly newscasts from six to five minutes. Apparently this was done to accommodate the affiliates by fitting into the block structures of the multitude of satellite-fed music, talk and syndicated programs and services which now abound, which their affiliates may now be carrying. 73 de SMM.

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95828 (916) EV 6-8677 1000-1300 PLT & ppd.

Well, since Tim and Steve and Gary have written my forum, on to other subjects, hi. Actually, RtH has done a once-in-a-decade feat, I scooped y'all. I caught KVEG 840 first 24 hours on the air, just past 0000 PLT on 19 October. As for their super-power claims, WHAS is about even with them - so much for the tundras of Canada, hi.

Yes, took a one-week, 11th hour vacation to the Southland. As a travel agent in the '70s, I went to all the attractions several times, but never had to pay for it - those theme parks are expensive, hi. My roommate has a new car, so offered to do all the driving, but chicken little had me get out the map and use surface streets instead of the freeways, hi.

Caught a lot of changes as I DX'ed along the way - will be sent to WDXR. Want to make a friend into a temporary enemy? Start DX'ing on their car radio, hi. Statements like, "Can't you land on just one station"? Hi. Even more embarrassing to have a non-DX'er call out calls before you hear 'em. However, our continuously changing (format and call of the month club) 1400 San Luis Obispo is now KKCV and automated (badly) C&W. Noted KBBQ 990 Santa

Barbara with near local strength from Solvang. Interesting: KBBQ was C&W on 1590 in nearby Ventura which in turn earlier picked up San Diego's old calls of KOGO. Noted some fantastic AM stereo from 1290 Santa Barbara, the best I've heard so far. And contrary to info in 22 October DXM, 1400 Visalia is neither KODS or KIVS - they're KHFTZ, automated, horrible sound and weak even next to Visalia.

Noted KNX's towers while turning onto Artesia from I-405, KFI noted near I-5 and Valley View, and Gary, is that KIEV I saw (two sticks) on a knoll just east of Glendale Frwy above the Eagle Rock Plaza? Also, south of Bakersfield, noted three sticks, one tall, other two short west side of 99 at White Lane. KPWC?

I see why little KXEM 1590 wants a change in location, power and frequency. They're SS, and for years KWAC 1490 has had exclusivity on the SS market, add KAFY as well, but KWAC been at it a lot longer.

Dale Park, if this helps you, KPRL 1230 Paso Robles and KVEC 920 San Luis Obispo carry the L.A. Rams.

Back at home on the 30th noted two C&W stations on 1030 and both very week, at 0735 PST, one was carrying a syndicated show. KMAS is AdCon, I can rule out, I think, KTW0. Any clues, gang?

And yes, I did do all the touristy things like Disneyland, Knott's Berry Farm, Universal Studios and Tijuana. Walking back to the US, the customs officer practically waved me through. Dang, I could have brought a second bottle back, hi.

That's it for another week. Keep them cards and letters comin'. Best of DX to all and may all your NSP pests take a SP. 73 de Rth and Sacramento in '89 (I promise not the El Rancho, hi) . .

BRUCE PORTER - 6546 17th Avenue NE - Seattle, WA 98115

A couple weeks ago, Gene Martin mentioned two stations on 650 and 660 only 125 miles apart. Actually, it's worse than that around here, with KXKE Selah and KWIQ Moses Lake, both on 1020, only 60 miles apart. On 1210, KASY Auburn and KREW Sunnyside on 1210 isn't much better. The FCC is really packing them in these days on the clear channels.

I managed to hear KVEG-840 on their third day of broadcasting. Their talk show was getting calls from Oregon, Idaho, and California that night, and the announcer said they'd gotten calls from Texas & Canada the night before. An impressive feat for a station just out of the box, although the toll free phone number probably helped. Still, a lot of people stumbled across these guys pretty quickly. Are there a lot of closet DXers out there that we don't know about? Or were they just KUA-850 and FGO-810 listeners who tuned in the wrong station?

73, bp.

## FREE MEMBERSHIP

We all want to see our club grow. And this season, you have a big incentive to find new members. Between now and September 1, 1989, the IRCA will give a year's free membership to any member who brings in four or more new members.

The new members can be persons you talk into joining IRCA. Or people to whom you give a gift membership. Or you can send us a list of people you know (or know of) who are interested in broadcast band DXing. We'll send them a sample DX Monitor and other information on the club. If they join you'll get credit. One good source of names is reception reports at 50 kw clear channel stations - a surprisingly high percentage of the reporters don't belong to any DX clubs.

If someone joins at your persuasion, be sure to let us know so we can give you credit. The new members must be persons who have't been in IRCA for at least a year. If a person joins as a trial member or something less than a full year, it counts as half a new member.

Here's your chance to help us grow, and to help others find out about IRCA. Send some names today and watch us grow.



---

The Beverage Antenna Handbook, 2nd edition 1987  
by Victor A. Misek W1CWR

This book first appeared over 10 years ago, and its basic outline has not changed too much since then. Although it describes Beverage, or wave, antenna theory, the emphasis of the book is on the "steerable wave antenna" developed by the author and optimized for reception of the lower amateur radio HF bands. It is perhaps not a book one should dive into without at least some previous knowledge of Beverage antennas.

If you do have some experience with Beverage antennas, the chapter on the single wire wave antenna is very informative, as Misek discusses the effects of antenna length, terminations, wave velocity and ground losses. He also describes a "cone of silence mode": a method for determining the optimum length of a Beverage antenna for best front to back ratio. Unfortunately, this length is only applicable to reception of a limited frequency range such as a single amateur radio band.

Misek is a proponent of approximating a lossless ground when using a Beverage antenna, as incoming sky-waves are already tilted on HF, and do not need the tilting effect of a lossy ground to make the antenna work properly. This lossless ground is approximated by running a wire or wires along the ground parallel to the wave antenna, and is especially important in his steerable wave antenna, in order to predict values of matching transformers etc. Strangely however, he does not always include this ground wire in his diagrams. The lossless ground is perhaps not so important to the overnight DXpeditioner, but there is room for experimentation.

From the single wire, Misek moves on to the meat of the book, the theory and uses of the steerable wave antenna (SWA). This is an antenna using two parallel Beverages connected to various components to allow nulling of offending signals. Those who are familiar with Beverage's early work will recognize the origins of this antenna, and there is also some similarity to the Bailey/Hutton/Connelly phased antennas. However, Misek's antennas can also be constructed of coaxial cable or twinlead and even in the open wire version, the wires are spaced a mere 12" apart. One drawback here is that he does not mention if there is any difference in reception capabilities with varying distance between the wires, although this point is addressed in the first edition of the book. Interestingly, Misek works from his SWA theory into a "micro SWA" theory. The Micro SWA uses wires less than  $\frac{1}{4}$  wavelength long, which places it in the same area where Mark Connelly has done so much of his work. Misek found that the longer and lossier the antennas, the less stable the null, and so leans toward somewhat shorter antennas in spite of the reduced signal pickup.

The section on practical SWA construction includes details on the phasing units. Although it describes Beverage's original circuit, it recommends a simple RLC circuit (dating back to the first edition), then goes on to describe a more complex active circuit using a V-MOSFET, which can provide nulls over 360°, and uses only two potentiometers for nulling. However, for MW users, switched values of inductors and capacitors would also be needed, but it looks interesting!

The second edition of this book has so much new material in it, that it is practically a whole new book. For those who already have the first edition, a couple of further points of comparison. The second edition has twice as many pages (80 vs. 39), though it much be admitted that its print is somewhat larger...and clearer. The first edition relied somewhat on mathematical formulas to describe the action of the antennas. While the second edition does not avoid formulas, it tends to intersperse them through the text, so they are supported by a good deal of plain English, as well as a number of diagrams. Although the first edition used antenna plots to clarify the text, the second edition uses quite a number of computer generated plots of antenna patterns in elevation and azimuth to make it easier to comprehend the results of changes in antenna length, loss factor etc. One other positive aspect of the second edition is that it suggests the use of relatively simple test equipment to determine wave velocity and ground losses rather than simply using mathematics. Math may not always be able to predict what a Beverage antenna will do in the real world!

Unfortunately, it may be difficult for the MW DXer to construct Misk's circuits for use below 1.8 MHz. Some number crunching is necessary here, and the MW Beverage DXer will need some knowledge not provided in the book in order to calculate correct transformer winding for example. As Misk's circuits are often quite different from anything in the club reprints, there is a lot of scope for MW experimentation.

Even if your interests are above 1.8MHz, this is not a book for beginners in Beverage antenna work, but it is a good mix of the theoretical and the practical, and should provide inspiration for the diehard MW Beverage DXer with time on his hands for experimenting---are there any?

Thanks to John Bryant for lending me his copy of the Beverage Antenna Handbook. Now I have to get a copy of my own. John's copy came from Universal Shortwave, but he hasn't seen it mentioned in their lists. You might write direct to Victor A. Misk, 142 Wasen Road, Hudson, NH 03051 for information. The book costs US\$14.95.

--MHP

Los Angeles Times

via Steve Mittman

Sunday, June 12, 1988

## Heavy-Metal Network in Future Radio?

By PATRICK GOLDSTEIN

Remember the days when MTV revolutionized the record industry? Well, get ready for another uprising—it's time for... Radio Lisa.

The branchchild of ex-MTV kingpin Bob Pittman and influential radio programmer Lee Abrams, Radio Lisa is a proposed nationwide 24-hour heavy-metal radio network that—if it gets off the ground—could radically change the face of rock radio.

The still hush-hush project would be aimed at radio's most active listening audience—the 12- to 34-year-old rock fan—who worships bands like Bon Jovi, Whitesnake and Motley Crue, but can't find a local radio station willing to play them. The network would be a headbanger's delight, featuring splashy, MTV-style contests; world premieres of songs; high-octane deejays as well as live concerts and superstar interviews.

Pittman, who now runs Quantum Media, a firm which produces such TV fare as "The Morton Downey Show" and "The Street," was reluctant to discuss any details of the venture, saying the idea was simply "in the active hopper."

"We don't even have a tentative schedule yet," he said. "But this is an idea whose time has come. We're always looking for a hole in the market. Radio is a lot like the '70s these days. Heavy metal is being treated the way Top 40 stations used to treat album cuts, which were only played at night. But we believe that heavy-metal has real appeal and deserves its own format."

While Pittman would not confirm any specifics, Pop Eye has learned that Quantum Media plans to broadcast Radio Lisa live on AM radio, since it may be difficult to attract a broad spectrum of FM affiliates.

A prospectus sent to record company execs makes Quantum's strategy clear: "Radio Lisa will take advantage of the gap in current local radio positioning, that gap created by conservative, aging

AOR programming and mainstream commercial CHR [Top 40] stations. Radio Lisa will be an entirely new format with the progressive values of early AOR, the intensity and party atmosphere of '60s CHR and the national clout of MTV."

Needless to say, that formula has record execs breaking out the bubbly, because it would provide record labels with a national forum for new hard-rock groups who sell large quantities of albums but have been ostracized by today's Top 40 and oldies-rock radio.

"How much would we support Radio Lisa?" asked Geffen Records A&R exec John Kalodner. "Try 125%! It would be a godsend for record companies. Our band, Guns 'n' Roses, has sold almost 2 million albums with almost no airplay! Radio doesn't play new music unless it absolutely has to. But Radio Lisa could be the first assault against the virus known as classic-rock radio."

Of course, there are still many hurdles for Radio Lisa to clear.

Can it round up enough major-market affiliates to get off the ground? Can it lure its audience to the AM dial, *terra incognita* for most teen-agers? How long can it afford to lose money before establishing its ratings-credibility with the business community? And will national advertisers spend big bucks on a network with predominantly teen demographics?

Since Pittman couldn't volunteer any answers, we asked Norm Pattiz, president of Westwood One, the nation's largest radio syndication firm. A potential friendly rival, Pattiz wasn't as optimistic about Radio Lisa as its record-biz cheerleaders.

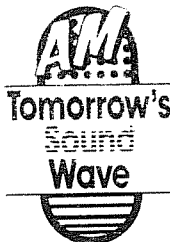
"I'm pulling for them because we're old pals, but I wouldn't want to be the guy who's breaking ground in that area," Pattiz said. "We actually had some discussions with Lee Abrams, but it's not something we'd invest our money in. The fact of the matter is that radio is a local medium—and I don't



Guns 'n' Roses' W. Axl Rose  
... catching a radio wave?

see it going back to the days when it was predominately a national medium.

"The problem with something like this is that you have to invest a whole lot of money—and spend an awful lot of money—to keep the network going long enough to achieve the kind of rating points needed to attract national advertising. Actually, there are several national formats out there already, like the Satellite Network's Z-Rock format and [New Age Music network] The Wave. But the record hasn't shown any of them to be such a huge success yet."



## IRCA VERIFICATION-SIGNERS COLUMN

Editor: TIM HALL 350 G St. #F-1, Chula Vista, CA 92010-4559  
 Deadlines: Last Friday of the month: 10/28 11/25 12/30

COLUMN #24  
 10 / 28 / 88

FREQ	CALL	SIGNER'S NAME / TITLE	ADDRESS	WHAT	WHEN	WHD
550	KARI	JIM SCOTT, CE	4840 LINCOLN RD.	BLAINE, WA	98230	LB+ 44 TRH
580	CKPR	MANFRED VOLBRACHT, DIR ENG.	87 N. HILL ST.	THUNDER BAY, ON	P7A 5V6	LB 15ff TMJ
600	CFCB	WAYNE R. RUSSELL, CE	P.O. BOX 3000	NORTH BAY, ON	P1B B8Q	Q 42 TRH
	CBLV	VIRGINIA GRANT [ NOTE #1 ]	% CBL-740	TORONTO, ON	Q	41 TRH
610	WZZK	TROY PENNINGTON, CE	530 BEACON PARKWAY WEST	BIRMINGHAM, AL	35209	LB 7 JD
620	WKNI	DORIS HARRISON, OWNER; JOE W. HARRISON, GM	[ ALSO MARK NAMORE, DJ ] P.O. BOX 620	LEXINGTON, AL	35648	LM 8ff LH
640	KTIB	JIMMIE COLE, PD	108 GREEN ST.	THIBODAUX, LA	70301	L 5 KVV
	WFNC	TERRY JORDAN, CE	1009 WILLIAM CLARK RD., P.O. BOX 35297	FAYETTEVILLE, NC	28303	L 6 KVV
	WNNZ	CURTIS H. HAHN, PRES.	249 UNION ST., BOX 1570	WESTFIELD, MA	01086	LM 37 TRH
	WPDG	DENNY AINSWORTH, OP MGR.	GRANT BUILDING, 44 BROAD ST., #802	ATLANTA, GA	30303	L 17 KVV
710	WRDM	KEVIN CASEY, DJ; BRENDA BALDWIN	710 TURNER HC CALL BLVD, P.O. BOX 1546	ROME, GA	30161	LB 10 LH
760	WJR	ED BUTERBAUGH, DIR ENG.; GARY BERKOWITZ, OP MGR.	2100 FISHER BLDG.	DETROIT, MI	48202	P 137 LH
770	KRPM	STEVE SORKNESS, CE	22220 MARINE VIEW DR.	SEATTLE, WA	98198	L 53 TRH
830	WADU	VERGIE DU TREIL	1500 E. AIRLINE HWY.	LA PLACE, LA	70068	L 11 KVV
840	KVEG	[ NEW STATION: SEE NOTE #2 ]	4180 S. PECOS, #100	LAS VEGAS, NV	89121	TRH
	WGH	CURTIS THOMAS	P.O. BOX 2218	THOMASVILLE, GA	31700	L 6 KVV
850	KOA	IAN (?) CHADWELL, CE	1380 LAWRENCE ST. #1300	DENVER, CO	80204	P 97f LH
	KTAC	JIM SCHALL, ASST ENG.	P.O. BOX 11335	TACOMA, WA	98411	P 67 TRH
	WYDE	JIM ROMINE, GM	90 BAGBY DR., #310	BIRMINGHAM, AL	35209	L+ 82f LH
880	WCBS	[ UNSIGNED ]	51 W. 52ND ST.	NEW YORK, NY	10019	P 105f LH
900	WATV	J.M. LACKEY, GM	P.O. BOX 39054	BIRMINGHAM, AL	35208	L 3 LH
	WCLZ	BOB HALLENBECK, PD		BRUNSWICK, ME		HKV
910	CKLY	ALLISON ARCHBELL	249 KENT ST. WEST	LINDSAY, ON	K9V 2Z3	L 109f KVV
930	WKCT	GARLAND WEST, CORP SEC'Y	P.O. BOX 930	BOWLING GREEN, KY	42102+	L 136f LH
	WYNT	FRED KELLY, STN MGR.	201 OFFICE PK, PINEVILLE RD	MONROEVILLE, AL	Lr	6 KVV
940	WADY	HY WHITE, GM		LEBANON, PA		HGK
950	WAKM	CHARLES DIBRELL, CE	P.O. BOX 469	FRANKLIN, TN	37065	L 4f JD
980	WNRK	[ ILLEGIBLE ], ASST. CE	8121 GEORGIA AVE.	SILVER SPRINGS, MD	20910	L 224f JD
1020	WNTK	GREG PRICE, GM		NEWPORT, NH		HGK
1030	WNDW	RAINBOW L. CONAN, OFC MGR.	P.O. BOX 23509	CHARLOTTE, NC	28212	L 16 KVV
1040	KAIN	DREW WILSON	P.O. BOX 17833, TRACETOWN	NATCHEZ, MS	39120	L 153f KVV
	WJOR	RAYMOND CHANDLER, OWNER	P.O. BOX 187	ST. JOSEPH, TN	38481	L 113f LH
1070	WAPI	[ ILLEGIBLE ], CE	2146 HIGHLAND AVE. SOUTH	BIRMINGHAM, AL	35205	L 114f LH
	WIBC	[ ILLEGIBLE ], CE	9292 MERIDIAN ST.	INDIANAPOLIS, IN	46260	L 145f LH
1080	WSSI	CHRIS GOODWIN	P.O. BOX 475	CARTHAGE, MS	39051	L 178f LH
1090	CBLC	VIRGINIA GRANT [ NOTE #1 ]	% CBL-740	TORONTO, ON	Q	41 TRH
	KAAV	FELIX MC DONALD, CE	7123 I-30, #1	LITTLE ROCK, AR	72209	PB 88 LH
	WKII	HOWARD M. KNELLER JR, PRES / GM / CE	2500 EDWARDS DR., SHERATON HARBOR PLACE, or 3151 COOPER ST., #56	FT. MEYERS, FL	33901	L 8 KVV
	WROK	JERRY RAY, GM	P.O. BOX 990	PUNTA GORDA, FL	33950	L 112f KVV
1110	WCBR	[ UNSIGNED ]	P.O. BOX "0"	RICHMOND, KY	40475	Lr 83f KVV
	WNNW	PATRICK J. COSTA, GM		SALEM, NH		HGK
1130	WMBF	THOMAS N. THORNBERG, PRES/GM	1130 U.S. 17-N, PD BOX 50	MARIANNA, FL	32446	L 8 KVV
1170	WHZ1	B.J. MORGAN(?), GM	P.O. BOX 290	HANCEVILLE, AL	35077	L 86f LH
1190	WHTO	VICTOR MICHAEL, GM		HUGHESVILLE, PA		HGK
	WSCH	HOMER CHARBONNEAU, OP MGR.		CODLESKILL, NY		HGK
1200	CFGD	LJANE CRAIG, PROG/PROMO ASST	1575 CARLING AVE.	OTTAWA, ON	K1Z 7M3	QLH 58 TRH
1210	KGYN	EDWIN SMITH, GM	P.O. BOX 130	BUYMON, OK	73942	L 137f KVV
1260	KTYE	BILL HUMPHREYS, CE	620 E. HOPKINS	ASPEN, CO		P 8 TMJ
1270	WKBF	[ ILLEGIBLE ], CE	P.O. BOX 247	ROCK ISLAND, IL	61204+	L 134f LH
1280	WSBF	[ ILLEGIBLE ], CE	3809 WASHINGTON AV.	EVANSVILLE, IN	47715	L 114f LH
	WSOV	PAUL GRIMES, GM		BERWICK, PA		P
1290	WBTG	MARK HESS, NY DIR.	P.O. BOX 518	SHEFFIELD, AL	35660	LrB 7 LH
1320	KELD	KAREN RUNIA, ENG ADMIN ASST.		STOIX FALLS, SD	Q	59 TRH
		W. TOM SIMMONS, GM	PHILLIPS @ 13TH ST.	STOIX FALLS, SD	57102	L 323f KVV
	WWSR	KATHY LOVELESS, OFC MGR.	P.O. BOX 290	MANCHESTER, TN	37355	LMB 7 LH
	WWTI	HERL G. GRABOWSKI, PD		RANDOLPH, VT		HGK

FREQ	CALL	SIGNER'S NAME / TITLE	ADDRESS		WHAT	WHEN	WHO
1330	KENU	TODD HAUSENFLUCK, AIR TALENT	1540 COLE ST.	ENUMCLAW, WA	98002	PL 51	TRH
1340	WTJF	AL COHEN, VP	P.O. BOX 968	TIFTON, GA	31797	L 120f	KVJ
	WTYS	W.F. DUNKLE III, GM	P.O. BOX 777	MARIANNA, FL	32446	L 14	KVJ
1350	CHRO	MIKE ST. ANAND, CE	FOREST LEA RD., BOX 1010	PEMBROKE, OH	KBA 713	L 33	TRH
	KRLC	JOHN L. RICHARDS	805 STEWART	LEWISTON, ID	83501	LrB 49	TRH
	KTXJ	ART LAY, GM	P.O. BOX 6090	JASPER, TX	75951	L 23	KVJ
1360	WSAI	[ ILLEGIBLE ], CE	W. EIGHTH & MATSON PLACE	CINCINNATI, OH	45204	L 7	JD
	MWVK	[ ILLEGIBLE ], CE	W. EIGHTH & MATSON PLACE	CINCINNATI, OH	45204	L 201ff	LH
1380	WOMI	RICHARD D. WALSH, PRES.		PORTSMOUTH, NH			HGK
1390	KJPW	VAN BEVDLER	P.O. DRAWER "D"	WAYNESVILLE, MO	65583	L 22	KVJ
1400	CBDD	VIRGINIA GRANT [ NOTE #1 ]	% CBL-740	TORONTO, ON		Q 41	TRH
	KLCK	COLIN MALCOLM	614 S. COLUMBUS AV, BOX 305	GOLDBENDALE, WA	98620	L 74	TRH
1430	WLSB	BILL SEATON, STN MGR.	P.O. BOX 1284	DALTON, GA	30722	LB 3	LH
1450	KDHW	DEAN AAMDOT, GM	P.O. BOX 1101	WAHPETON, ND	58075	PL 67	TRH
	WFXX	DAVID BANKS, VP		S. WILLIAMSPORT, PA			HGK
1460	WEHR	BOB GRAHAM, CE		TUNKHANNOCK, PA			HGK
1470	XLCL	SCOTT THOMPSON	P.O. BOX 3067	LAKE CHARLES, LA	70602	L 10ff	JD
	WXKW	WILLIAM LAKATAS, ENG.		ALLENTOWN, PA			HGK
1490	WCOD	CRAIG STEVENS, GM		SIDNEY, NY			HGK
	WSPB	WILLIAM F. HOOPER, OP MGR.	P.O. BOX 632 EAST LAKE DR.	QUITMAN, VA	31643	L 7	KVJ
1520	XOMA	DENNIS R. PHARR, CE	820 S.W. FOURTH ST.	MOORE, OK	73160	PB 22	LH
1550	WYXN	MONTY MARTIN, OP MGR.	2460 N. ATLANTA ST.	SHYRNA, GA	30080	LH+ 9-13	JD/LH
1560	WBVE	BRAD MUNDSTOCK, AM OP MGR.	P.O. BOX 12890	LEXINGTON, KY	40583	L 144f	LH
1590	WCSL	MILTON BAKER, PD	P.O. BOX 367	CHERRYVILLE, NC	28021	L 10	KVJ

WHAT was received: Q=QSL card, L=Letter, P=Prepared card, Lr=rpt used as verie, B=Bumperstickers, M=Map.  
 WHEN did the reply come: Number of days elapsed. f = Follow-up report ( or phone call ) was necessary.

NOTES: 1) ALTHOUGH I FILLED OUT RC1 DO-IT-YOURSELF CARDS, THEY SENT ME CBC TORONTO CARDS !  
 2) KVEG'S CE IS GORDON ALSUM, FORMER VERIE-SIGNER AT KRDL-870. -- TRH

DELETIONS: PLEASE DELETE FROM YOUR LISTS THE FOLLOWING SIGNERS, WHO NO LONGER WORK AT THE STATIONS IN QUESTION:  
 870 KRDL-WV GORDON ALSUM, CE

#### Contributors:

LH -- LYNN HOLLERMAN, 1237 Willowbrook #5, Huntsville, AL 35802  
 TMJ -- TOM JASINSKI, 419 N. Raven, Shorewood, IL 60435  
 KVJ -- KARL JETER, 2115 Scarborough Rd., 30088  
 HGK -- HOWARD KEMP, 140 Court St., Laconia, NH 03246-3640  
 JD -- J.D. STEPHENS, 3605-B Chasewood, Huntsville, AL 35805

This month we welcome HOWARD KEMP of Laconia, New Hampshire.  
 Welcome and report often.

Thanks everyone ! See you next month -- Tim

## A DXer's TECHNICAL GUIDE

### Second Edition

Would you like to know how a receiver works? Would you like to improve yours to make it better? Do you like experimenting with antennas? Do you like to tinker with radios? Would you like to see a review of a particular receiver?

If you answered yes to any of these questions, then you should get a copy of A DXer's Technical Guide. The book is 120 pages long and filled with valuable information on receivers, antennas, and accessories, including the following:

- \* Receiver performance;
- \* Receiver reviews (more than 30 of them);
- \* Audio filters;
- \* Tape recording;
- \* Loop antennas (ferrite and air core);
- \* Beverage and longwire antennas;
- \* Tuners and phasing units;
- \* Receiver construction and modification.

Although intended for the medium wave DXer, the book is also useful to the longwave DXer, shortwave listener, and ham.

A DXer's Technical Guide can be purchased for \$5.50 (members), or \$6.50 (nonmembers) from IRCA, P.O. Box 21074, Seattle, WA 98111. U.S. funds, please. Add \$2.00 for overseas airmail.

## THE INTERNATIONAL RADIO CLUB OF AMERICA (IRCA)

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



### CLUB ADDRESSES AND OFFICERS

President: Karl Zuk, 154 Old Post Road North, Cronon, NY 10520-1932.  
Secretary-Treasurer: John Clemmer, P.O. Box 482, E. Moline, IL 61244.  
Board of Directors: Emese R. Cooper, Richard Evans, Ric Heald, John C. Johnson, Patrick Martin, Bruce Portzer, Rich Toebe.  
Editor-in-Chief: Bruce Portzer, 6546 19th Ave. N.E., Seattle, WA 98115.

### MEMBERSHIP DUES

U.S. - \$20.00 per year. Canada/Mexico - \$26 (one issue mailed every week) or \$20 (two issues every two weeks). Overseas Surface - \$21. Overseas Airmail - \$30 (Central America, Caribbean, Colombia and Venezuela), \$33 (Europe, North Africa, Middle East), \$37 (rest of the world). Trial Membership - \$7.50 (10 issues of "DX Monitor" and a New Member Packet; U.S./Canada/Mexico only). Make checks and money orders payable to IRCA and send all dues to: IRCA, P.O. Box 482, E. Moline, IL 61244. Persons living outside the U.S., please use International Money Order in U.S. funds. Sample copies of "DX Monitor" are 50 cents or three International Reply Coupons each and are available from: IRCA, P.O. Box 21074, Seattle, WA 98111.

### THE IRCA GOODIE FACTORY

Reprints of more than 400 articles from past issues of "DX Monitor" are available from the IRCA Goodie Factory. Also available is IRCA stationery and the very popular IRCA publications: "IRCA Almanac", "A DXers Technical Guide", and the "IRCA Foreign Logs". For a complete list of available publications and their costs, send a self-addressed, stamped envelope to: IRCA Goodie Factory, P.O. Box 21074, Seattle, WA 98111.

Unless otherwise noted, permission is granted to publish, broadcast, or otherwise reproduce non-copyrighted material appearing in "DX Monitor" provided credit is given to the IRCA and the original contributor. Opinions expressed in "DX Monitor" are those of the original contributors and do not necessarily reflect those of the IRCA, its publishing staff, editors or officers.

International Radio Club of America  
P.O. Box 21074  
Seattle WA 98111

FIRST CLASS MAIL  
US POSTAGE  
PAID  
Seattle WA  
Permit No. 601

# FIRST CLASS

D. A. NYHOLM 19  
2071 CEDAR STREET  
SAN CARLOS CA 94070  
\* PRINTED IN U.S.A.