



# DX MONITOR

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VOLUME 15      NO.34      WHOLE NO. 485      AUGUST 5, 1978

## FLASH TIPS

PUBLICATION DATES-----VOLUME 16 DX MONITOR

SEP 9-23	JAN 6-13-20-27	MAY 5-19
OCT 7-21-28	FEB 3-10-17-24	JUN 16
NOV 4-11-18-25	MAR 3-10-17-24-31	JUL 14
DEC 2-9-16-23-30	APR 7-21	AUG 11

- (1) All above masthead dates are Saturdays.
- (2) Deadline for Editors columns to be at HQ is the Monday prior to the masthead date.
- (3) Exception to (2) would be when a Monday is a holiday. In this case move the deadline back to Friday, 8 days before Masthead date.

### M I S C E L L A N Y

A note from Bernd Trutenau warns that the ITU List is a "plan". To quote Bernd: "This means all the stations listed may be on the air on new frequencies by 11/23, but you can be sure that only very few of the new superpowers (and others) WILL be on the air in November."

Doug Snyder, 3130 Woodmont Drive, San Jose, CA 95118 is offering a computer printout, on 8 1/2 x 11 inch sheets, of over 200 transmitter sites around the world that list alphabetically each country (and for larger countries, multiple site locations), the geographical coordinates of the site and the Great Circle Distance and Great Circle Bearing computed on the individuals home coordinates. Cost is \$5.00 cash, check or money order (made out to Doug Snyder). All that is required is the person's name, address and geographical coordinates (longitude & latitude) as close as they can figure it.

Bill Hardy advises that KWMS-1280, not KALL-910, is running Salt Lake City PCL baseball. Thanks to Bill Harms and Matthew Shugart for catching this change.

To Richard Eckman: Your point well made on the recent article. Won't do it again---dkk...

### CONVENTIONS:

IROA--Portland, OR--August 11-13, 1978. Contact Bill Block, 9307 S.E. Olney St., Portland, OR 97216.

NRC---Atlanta, GA--September 1-4, 1978. Contact Karl Jeter, 2816 Frontier Trail NE, Atlanta, GA 30341

My family & I were recently back in NW Iowa for two weeks on vacation. DXed on a half-baked tablemodel. Daytime DX still shows long distance DX such as KFVR-550 & KFGO-790, WIBW-580 & numerous other closer stations in both Dakotas, Nebraska, Minnesota, Iowa, Kansas & Missouri. Used to be able to hear the Chicago clears in the daytime but this set wasn't up to it. Didn't hear the Omaha station on 660, is it off the air for the time being or was my set too weak to pick up a  $\mu$ kw from 100 miles? Noted KAYL & KILR carrying Cardinals baseball, WNAX & a few others carrying the Twins & a host of semi-looal stations carrying the Royals. Vince Lloyd of the cubs told me they don't go into Iowa because their main sponsor has no outlets in that state. Hope to see you in Portland. dkk..

## \*\*\* NEW MEMBERS

- Ken Knorr, 1339 Prospect Ave., Des Plaines, IL 60018
- Kirk D. Schneider, 781 Cedarwood Dr., La Habra, CA 90631
- Arthur S. Amarin, 1975-A Kalawi Dr., Wailuku, HI 96793
- Michael Jeziorski, 4758 S. Laverne, Chicago, IL 60638
- Dave Rukakoski, Rt. 6, Brooklyn, CT 06234
- Richard Clark, Santo Cerro, La Vega, DOMINICAN REPUBLIC
- Tom Kelly, 1215A 6th Ave, San Francisco, CA 94122
- Andrew Kwiatkowski, 9624 Ave. M, Chicago, IL 60617 (rejoin)

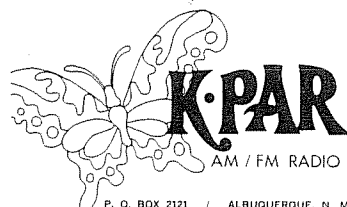
### ADDRESS CHANGES

- James J. Wallace, 3786 Quince Dr., Apt E, Columbus, OH 43228
- Neil Zank, 623 Lyncrest Dr., Lincoln, Nebr. 68510

RENEWALS AS OF 26 JULY 1978

- John Clemmer, David Legler, Bob LaFore, Dave Williams, Karl Jeter, Tony Bratton

Well gang, here's the end of another volume of DX MONITOR. I hope that everyone has gotten a lot out of this volume. One note for everyone. Rick Heald and John Zondlo have been told that the Forums are going to have to be held to 20 lines. If you submit one that is longer than that it will be cut at a logical point (end of a sentence or thought) and the rest will be printed in the next issue. This way we should be able to give you the most information in the space that will be allowed. Thanks to Ron Schatz for the help that he gave the publishing committee last issue. See you all at the convention in Portland. '73 til next month.



P. O. BOX 2121 / ALBUQUERQUE, N. M. 87103

## The Inside Story

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**eastern dx  
roundup**

Bob Curtis  
17 Cobbleview Dr.  
Colchester, VT 05446

DEADLINES: Mon. Aug. 21 & Sat. Sept. 2, 1978  
All times are Eastern Local Time  
\*\*\*\*\*

- Splatter:  
"My 300th station." (see WBRL-1400) Bryan Lee - CT  
"Verified in nine days w/personal letter, CM, stickers, key chains and three iron-on transfers! They also returned my MS." (see WHBF-1270) Mike Brooker - ON  
"102 new catches in three months with the TRF." Bill Townshend - DC  
"Said testing 'till we're through'." (see WYXI-1390) Paul Mount - OH  
"Bill Townshend's logging of WOLD-1340 is interesting. I didn't know there really is a WOLD, as in the song by Harry Chapin. ("I am the morning DJ on WOLD-D-D-D-, playing all the hits for you wherever you may be") Mike Brooker - ON  
"Not listed anywhere in CW." (see CIHI ??-1260) Bryan Lee - CT  
A vacation trip to St. Andrews, NB found WQDY-1230 Calais, ME and CHSJ-1150 St. John, NB the best daytimers. Bob Curtis - VT  
"WBZ...at high noon on the longest day of the year." Bill Townshend - MD  
"CHYM Kitchener is finally here on 570." Stan Stanbury - ON  
"Don't know how I got DX in July, but I did." Mike Brooker - ON  
\*\* \* \* \* \* \*  
550 ???? UNID 5/21 1656 Pop mx, male DJ, poor under WGNB. (WDEV?) (BL-CT)  
(ed: either WDEV or CFNB Fredericton)  
560 WFIL PA, Philadelphia 7/9 1259 T-40 mx, ment of Philadelphia. Poor-fair under slight WGMS splash. A much-sought-after Philly stn, nearly impossible to hear at night because of radiation pattern. Finally logged the bird. (WPT-MD)  
570 CHYM ON, Kitchener On 570 since 6/21 Xlnt daytime signal. Pest at night w/WKBN. (MB-ON) 1270  
+ CHYM is finally here on RS from 1490. First noted 7/17, but is much weaker than previous daytime OC tests occasionally hrd on this freq for almost a year. (CMS-ON)  
WSYR NY, Syracuse 7/22 1722 Wx at Syracuse 93-F w/TC. Sig very good in late, hot summer afternoon. (BC-VT)  
590 WVLK KY, Lexington 5/19 2320 T-40 mx. Heard ID under WEBL. (BL-CT)  
620 WLBZ ME, Bangor 7/3 0147 News, "You're listening To News-center." Good, no sign of WVNJ, WHEN or WVMT. (BL-CT) 1320  
740 \*WPAQ\* NC, Mount Airy 7/1 0150-0200 ET'ing w/TT, ID at 0159. Good o/KRMG. (MB-ON)  
WRNR WV, Martinsburg 7/9 1308 Rlgs pgm with ser-1330 mon by OM. Fair u/moderate WPIK splash. (WPT-MD) 1340  
750 WHEB NH, Portsmouth 5/18 1827 Pop mx, "It's 27 after 6 on H-E-B". (BL-CT)  
800 CJBQ ON, Belleville 7/17 2136 Expos-Reds NL base-ball game. Fair u/CKLW. (WPT-DC)  
WRKV CT, Rockville 7/6 2000 Miracles never cease. Ultra-Pest, WCCM, signed off a bit early and I got this. All this waiting, just hear the 1360 words, "WRKV, Rockville". The strange thing is WCCM is over 80 miles away with 1KW, and WRKV is a measly 25 miles away with 1KW! (BL-CT) 1380  
830 WNYC NY, New York 7/17 2134 Talk show, signal bombing in like a local - only 1 kw - darn good. (WPT-DC)  
860 WOAY WV, Oak Hill 6/28 2040 Gospel program. Good signal. (WPT-DC)  
870 WWL LA, New Orleans 7/9 2100 Dixieland jazz mx, ID. Fair 40 mins before LSS. (WPT-DC)  
960 t WEAV NY, Plattsburg 7/10 0007 Sports w/several stories about the Expos. Caught while pest WELI was ETing. (Almost blew my ears off!) (BL-CT)  
980 WCAP MA, Lowell 7/8 1357 C&W mx played, mention of "CAP Country", poor under semi-local WSUB. (BL-CT)  
1020 KDKA PA, Pittsburgh 6/21 1315-1317 T-40 mx, March of Dimes plug, then Eastern Air Lines promo. Good at high noon at summer solstice (sun elevation more than 70°) thru heavy QRN. (WPT-MD)
- 1030 WBZ MA, Boston 6/21 1300-1305 National and New England nx, ment of arrests for crimes in Mass.-Conn. area. Fair thru heavy TSTM QRN. (Bill: is TSTM - thunderstorm?) This is high noon on longest day of year (sun angle over 70°). QRN prevented me from getting verifiable copy. I was hoping to get enough for QSL, but no dice. (WPT-MD)  
1070 WFLI TN, Chattanooga 7/5 2055 Theme from "Grease" Xlnt with stn still on daytime power. (WPT-DC)  
1080 KRLD TX, Dallas 7/3 0200 Good w/promo for week-day nx for the Metroplex at 3pm, then into EZL w/promo. "Always gentle on your mind" o/WTIC at 0200. This one before midnight all over the U.S. for those who care. (PRM-OH)  
1090 KAAV AR, Little Rock 7/4 2200-2215 Fair to very good w/rock 2200-2215 mixing w/WBAL's Orioles game. (PRM-OH)  
1110 WNAR PA, Norristown 7/9 1230 MoR mx, ID. Fair after nulling WUST slop. (WPT-MD)  
WUPE MA, Pittsfield 5/24 2003 S/off "Whoopie Radio" came in after WHIM s/off. (BL-CT)  
WVNH NH, Salem 5/18 2001 S/off...owned by the Salem Brcdstg Corp." w/religious message by local Baptist preacher. Caught this one also just after WHIM s/off. (BL-CT)  
1220 WKBK NH, Keene 7/8 0554 News/Sports with Dick Ellis, ad for West Swanzey Garage. All alone on frequency. (BL-CT)  
WSME ME, Sanford 6/21 0601 "All Hit Mx", sports, Good. (BL-CT)  
1240 WCOU ME, Lewiston 6/11 0023 Country mx, address given on air: WCOU, P.O. Box 330 Lewiston, Maine. (BL-CT)  
WOCB MA, West Yarmouth 7/3 0033 News, ad for WTEV ch.6, poor under WGBB. (BL-CT)  
1260 t CIHI ?? ???????? 7/3 0036 Pop mx, male DJ, wx: highs in the 20's! Where's it from? (ed: probably ON or the Maritimes. That temp's about 68 F.) Not listed anywhere in CW. Good signal. (BL-CT)  
WNDR NY, Syracuse 7/3 0048 Pop mx, ad for "Youth Organization", fighting with CIHI, pesty WEZE off. (BL-CT)  
CFGT QU, Alma 7/3 0054 FF pop mx, "Cee-ef-gee-tee" ID by very FF male DJ. (BL-CT)  
WHBF IL, Rock Island 6/19 0300-0315 w/GBS nx, PSA for Peace Corps, C&W mx. Fair-poor with CJJD slop. WXYZ off. Veried in 9 days with personal letter, CM, stickers, key chains & three iron-on transfers! They also returned my MS. (mint stamp). (MB-ON)  
WLBR PA, Lebanon 5/23 2318 Nx, mentions of city of Lebanon and a mention of Columbus Park. (BL-CT)  
WHHO NY, Hornell 7/8 0607 News, mentions of Western NY and a news story about Gov. Carney. Good. (BL-CT)  
WHET MA, Waltham 7/16 2035 Caught ID by OM annor Fair. (BC-VT)  
CKNR ON, Elliot Lake 7/3 0117-0130 w/local ads, Top-40 mx. Blockbuster signal for 250 watts Most of it comes in over water, (Lake Huron & Georgian Bay). (MB-ON)  
WENT NY, Johnstown 6/14 2228 Pop mx, ad for Country Time Lemonade, singing ID "W-E-N-T" (BL-CT)  
WKOP NY, Binghamton 7/17 2010 "on 1360 WKOP.... We are proud to be part of your life". In & out w/others. Fair-poor. (BC-VT)  
CKLC ON, Kingston 7/2 0232-0250 w/rock mx, promo for Genesis concert in Toronto at Exhibition Stadium, marine wx, baseball scores. Good over WBNX. (MB-ON)  
WAOK GA, Atlanta 7/4 0230 Good at end of rlgs show w/full ID at 0230 o/WLCY. Format seems to be rlgs. (PRM-OH)  
WBNX NY, New York 7/10 0305 w/PSA for United Negro College Fund, into "Monday Morning Gospel" program. Fair sig. I need Gospel programming on MM's like I need CFTR slop. (MB-ON)  
+ 7/13 2113 Talk in SS. Fair, hardly any WEAM slop since the 0's (?) are on the air WBNX heard in NJ last month. (WPT-DC)  
WNVR CT, Naugatuck 7/8 0556 Another new one, caught just before pest WNRI s/on, and in between a fadey WBNX. Sports w/Bob Sagen-dorf. ID "14 NVR". (BL-CT)

+ 7/22 1943 "On 1480 NVR Greater Waterbury's (something) radio station. This is Steve Rogers at 7:43... Then good "14 NVR" WNVR Naugatuck ID. Fair-good way o/WSYB.(BC-VT)

WLCY FL, St. Petersburg 7/4 0223 Fair-good with "Time in a Bottle" promo as "The Best Music WLCY", some WAKQ QRM. (PRM-OH)

1390 CHOO ON, Ajax 7/4 0220 Atop w/country mx 0220, promo, "This is CHOO Radio 14, the country sound of the Durham Region", then jx "Country Sunshine CHOO, Chew Country." (PRM-OH)

WCSC SC, Charleston 7/4 0156 Equal to WYXI, ID at 0156. (PRM-OH)

WEED NC, Rocky Mount 6/28 0628 Wx forecast, PSM Good sig in unscheduled WEAM SP. (WPT-DC)

WEOK NY, Poughkeepsie 5/17 1859 Pop mx, ads for an Irish Mx and Dance Festival. (BL-CT)

WRIV NY, Riverhead 5/19 0841 Nx, ads for Suffolk County Nat'l Bank and Aanco Transmissions. (BL-CT)

WVON IL, Chicago 7/4 0206 Fair, breaking thru WYXI w/"I Feel Love", ID 0206. (PRM-OH)

\*WYXI\* TN, Athens 7/4 0150-0225 About on top of the channel altho much QRM under, testing 2500 day power change from 500. Country mx, YL announcer, giving phone # 615 745 1390 and ID between records. Said testing "till we're through", on since 0005. (PRM-OH)

1400 WABY NY, Albany 7/14 2125 "WABY Albany, News, Information, Sports." suddenly came thru. Local WDOT very weak for some reason. (BC-VT)

WBRL NH, Berlin 6/14 2219 Expos vs Padres bsbl game. Good signal but competing with WENT and local WILL. (My 300th station).(BL-CT)

WIDE ME, Biddeford 5/22 2039 Pop mx, ID "WIDE Radio", poor under WILL. (BL-CT)

WROZ IN, Evansville 7/4 0235-0300 Good w/c&w mx, jxes "Rosey Country WROZ" 0235-0300 (PRM-OH)

WSMY NC, Weldon 6/28 0600 S/on. Fair amid GY QRM (WPT-DC)

WTSL NH, Hanover 5/22 2147 Heard ID in mess, "W-T-S-L Radio 14". (BL-CT)

1420 WCED PA, DuBois 5/21 2147 EZL mx, OM anncr. (BL-CT)

1470 WINH SC, Georgetown 7/9 2029 S/off, "Studios in Historic Georgetown". Fair but clear/ (WPT-DC)

1490 WAZL PA, Hazelton 7/4 0034-0036 w/PSA for summer reading & activities club at Public Library followed by PSA for recycling. Both PSA's gave addresses & phone no's. I was lucky to get good QSL material before losing signal in GY QRM. (MB-ON)

WDDL PA, Lancaster 6/28 2113 Phillie-Expos NL baseball game, ad for college in Chester, PA. Fair atop GY pile. (WPT-DC)

WKVT VT, Brattleboro 5/18 1955 EZL mx, "WKVT, Brattleboro". (BL-CT)

1550 KQWB ND, Fargo 6/19 0245-0300 Sounding like RS, but assumed ET'ing by simulcasting FM stn. Played rock mx w/no ads. Maybe they have a night CP. (MB-ON)

\*WMOO\* AL, Mobile 7/7 0546 ET'ing with Gospel mx. Good. (WPT-DC)

WTYN NC, Tyron 6/24 0140-0159 w/ET. Played light classical and easy listening mx. ID at 0159 Fair sig. My 19th station on 1550. (MB-ON)

1560 KCJJ IA, Iowa City 6/19 0404 w/wx mentioning IA, then into "Delta Dawn" by Helen Reddy. Only ID heard was "1560 Radio", very poor under KKA. (MB-ON)

1570 CHLO ON, St. Thomas 6/20 0105 Wx forecasts (max temp 28° C/82° F), s/off. Fair-good. (WPT-DC)

1580 WRDI NJ, Hammonton 7/17 2030 "On behalf of the staff and management of WRDI....Good evening." foll'd by SSB. New for me. (BC-VT)

\*WYFA\* NY, Patchogue 7/5 0123-0154 w/ET w/pop mx, including some oldies like "Daydream Believer" by the Monkees. ID jingles and ID by OM at 0154. Some periods of OC too. What seemed like QSB may have been their switching from 10kw ND pattern to 5kw DA CH pattern. (MB-ON)

+ 7/17 2020-2030 "29 after 8 o'clock at WYFA" In & out w/other stn, but got excellent ID on tape. (BC-VT)

1590 WSMN NH, Nashua 7/22 1725 "Good afternoon, the temp outside our WSMN studios is 31° C 87° F. this info is presented by the Capital Wx Service in Concord." Doesn't add up, does it? Fair w/QSB/QRM. (BC-VT)

WTVB MI, Coldwater 7/2 2100 Loud w/ID jx into nx Then pattern change. (PRM-OH)

1600 WAYC PA, Bedford 7/7 0600 S/on, caught ID moments before local WINX s/on. Fair signal. (WPT-DC)

WJNG NY, Sag Harbor 5/19 1253 Nx: "5 Town Local News", excellent signal, no sign of WUNR or WJXY. (BL-CT)

1620a CFAB CLANDESTINE/ON 6/30 2055 Logged w/ID at 2055, rock before & after. Fair to poor w/slight splatter from one of WCBG's spurs on 1625a. According to ODXA, CFAB is stronger at Hamilton. (CMS-ON)

//////////  
PER THE LIST  
1360 WWBZ NJ, Vineland 7/10 0020-0025 w/TT, ID by OM at 0025 saying, "This is WWBZ conducting a special frequency check." Good over WSAI. (MB-ON)

REPORTERS THIS ISSUE

MB-ON Mike Brooker, 245 Old Forest Hill Rd., Toronto, ON M6C 2H5 Sony TFM 8000W

BL-CT Bryan Lee, P.O. Box 69, Brooklyn, CT 06234 Realistic TRF + longwire

PRM-OH Paul Mount, 471 Emerson Ave., Teaneck, NJ 07666 Realistic TRF  
DX'ing from 550 Larchmont, Wyoming, OH (north of Cincinnati)

CMS-ON Stan, C. M. Stanbury II, Box 218, Crystal Beach, ON LOS 1B0 Hq.-200 & 90 ft longw.

WPT-DC Bill Townshend, 4500 Conn. Ave., NW, Washington, DC 20008 Realistic TRF

WPT-MD DX'ing during lunch break at work at Marlow Heights, MD, except 7/9, when I was in Reserves at Andrews AFB.

BC-VT Bob Curtis, 17 Cobbleview Dr., Colchester, VT 05446 SP-600 + longwire  
\*\*\*\*\*

Whew! While typing the column, between WNBX and WNVN, took a break, went to Montreal and back; and have just finished in time, I hope, to get it to SF before deadline.

73 and good DX Bob Curtis

**central dx  
roundup**

Richard C. Evans  
P.O. Box 392  
Havertown, PA 19083

For reporters living west of a line extending north/south through the Ind.-Ohio state line, and east of the Rocky Mountains.

680 KKYX TX San Antonio, 6/23 0025-0035. Charlie Rich Mx, promo "KKYX, the King Thing", C&W Mx, BB scores. Signal mixing with WMPs. (JL)

740 WKIS FL Orlando, 7/3 0135-0138, Wx, promo for "KIS cash call", MoR Mx, signal fluttering badly, heavy QRM. KTRH off. (JL)

760 WJR MI Detroit, 7/3 0200-0206. NBC Nx, then "Scott Kilgore, WJR Nx", Good signal, but some QRM, and SS Nx u/stn. (JL)

860 KOAM KS Pittsburg, 7/3 0210-0215, C&W, Top 40 Mx, Wx for truckers and travelers. Exc. signal, no QRM this MM. (JL)

KONO TX San Antonio, 6/23 0001-004, Promo followed by Rod Stewart Mx, "86-KONO", Signal fade, then flutter. (JL)

980 KMBZ MO Kansas City, 7/3 0223-0229, MoR and RR Mx, "This is your all-night music leader, the new 98, KMBZ". PSA cut short by QSB, QRM. WSIX apparently has MM SP. (JL)

990 KTRM TX Beaumont, 6/22 2350, DJ Steve Young, Wx, "Country KTRM" promo, then racked up by WNOX and XET. (JL)

1010 WMOX MS Meridian, 6/23 0045-0048. PSA for Travel Rights, Silver Springs, MD. Rock Mx, then ID. Signal fading, with SS anncr in background. (JL)

1110\*KFAB\*NE\*Omaha, 7/13 0226-0233. Noted w/xlnt signal on ET in 90% WBT null; 400-cycle tone, brief periods of OC, & 1 commercial type ID mentioning "Good neighbor to the midwest"; nightly pest around here w/v/q received in about 3 weeks. (SAM)

1130\*WGUF\*MS\*Gulfport, 6/24 0216-34. Very good to surprisingly poor (for being 80 miles from here) on ET; various tones, brief periods of OC, and 1 ID announcing end of test; very critical antenna setting was necessary due to almost total domination of KWKH, also considerable QSB and slight QRM; never tried for during the day, but, presumably, could be heard w/no problem: not called or rptd. (SAM)

1140\*KFIX\*MO\*Liberty, 6/29 0120-0208. Ex-KBIL, 1st time relogged w/new call, running ET featuring various tones, extended periods of OC, and 1 ID; rather weak signal subject to QSB, punching it out with WRVA and "Fidel's jammer"; rptd as KBIL w/very nice v/l received in less than a week; not rptd again. (SAM)

1160 KSL UT Salt Lake City, 7/3 0245 Nitecap Show, Exc. signal w/local WJBO off. (JL)

1210\*WADE\*NC\*Wadesboro, 7/12 0116-0212. Good to unreadable on ET w/various tones, extended periods of OC, and one badly mangled ID at 0210; excessive QSB o/u WCAU and unid SS signal; 1st hrd about six months ago w/sta called & rptd at that time, no verie. (SAM)

1230 WJBC IL Bloomington, 6/6 1853-1900. Good with spots, ID. New. (BPS)

1290 CJBK ONT London, 6/20 0044 poor u/WIRL. New. (BPS)  
 \*KUOA\*AR\*Siloam Springs, 6/10. Mostly fair on DX test 0100-0145 t/o. TT's, march/circus-sounding Mx, & IDs about every 5 minutes. Didn't notice any jingles. (GT) 6/27 0136-57. Noted ETing again w/repeated playings of the same C&W album; one ID, then apparently off; some QSB, but generally making it in well over the usual WIRL/WTOC/KTRN mess; first hrd about 3 months ago, rptd at that time, with very nice v/l and other brochures rcvd in about a week. (SAM)

WHIO OH Dayton, 6/12 0056 poor w/ID, Cx bad. New. (BPS)

1340 KOLE TX Port Arthur, 7/3 0356-0400. RR Mx, Wx, signal in and out of the graveyard pile. (JL)

1360 KBKB IA Fort Madison, 6/20 2145. Good w/late s/off; hurried "KBKB, Ft. Madison now leaves the air", then off. ex-KXGI. (BPS)

1370 KDTH IA Dubuque, 6/15 2131 fair w/ID. new. (BPS)  
 WCCN WI Neillsville, 6/18 2143 s/off, poor under WSPD, bad QRN. (BPS)

1430 KELI OK Tulsa, 7/3 0335-0341. Annt for lost animal, several PSAs back-to-back, RR Mx, Wx, temp for Expo Square. KELI pronounced as one word. Some QSB. (JL)

1540\*WANL\*AL\*Lineville, 7/8 0244-0342. The "lyin' lion" at it again w/various tones, extended periods of OC, and infrequent, irregularly spaced IDs; nice strong signal completely clobbering KKEL and some unid w/easy listening Mx (KXRV?); this one has been hrd testing at least twice a year, but refuses to answer phones or verie rpts. (SAM)

\*WRSM\*AL\*Sumiton, 7/13 0109-52. Good solid signal on ET - especially on various tones, but carrying only one extremely garbled ID; slight QRN and minimal KXEL QRM; first hrd about a month ago during tests prior to beginning operations; according to nice, fast v/l (about a week), stn was scheduled to begin regular broadcasting around 6/15, but it's not known whether or not they're now officially on the air. (SAM)

\*KBXM\*MO\*Kennett, 7/15 0211-21. Xlnt to good on ET w/various tones, brief periods of OC, and 1 ID giving TC; little QSB and always well o/KXEL - even when supposedly in their null; this one will verie, but give them about six months to get around to it; a "regular customer", hrd in these parts at least once a year. (SAM)

1570 WFUR MI Grand Rapids, 6/6 2128 poor w/s/off, local WBEE still on. No QSB, no QRN, mucho QRM. (BPS)  
 WAPL WI Appleton, 6/8 2145. Much wanted finally bagged w/no CFOR. Weak but clr. V/l in 3 days. CE wrote about arranging a DX in letter, tentative 10/2/78. (BPS)

1590 WSWW WI Platteville, 6/14 2200. Good w/ID, new SM-1 finally got a null on WAKR. New(BPS)

PER THE LIST:

1st SAT: WRVK-1460 T KY 0300-15 (SAM) Note: time change, but could be temporary  
 2nd TUE: WHMT-1190 T TN 0115-30 (SAM) Note: time change, but could be temporary

A TIP OF THE HAT THIS WEEK TO:

JL - JOSEPH LANDRY, 11643 Baylor Drive, Baton Rouge, Louisiana 70816  
 (Welcome to what looks like a "Southern DX Roundup-rce")  
 SAM - SCOTT A. MENTZER, Route Three, Tylertown, Mississippi 39667  
 BPS - BRIAN P. SHERWOOD, 211 Larch, Elmhurst, Illinois 60126  
 GT - Gerry Thomas, Apt, 460, 2355 W. Michigan Ave., Pensacola, Florida 32506

NANCY HARDY, Editor

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western dx roundup

ALL TIMES ARE EASTERN LOCAL

Phone for hot WDXR tips: (206)532-6827 till 11:30pm (PLT) nightly--prepaid calls only

DEADLINES: Thursday August 24, Thursday Sept. 7

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(MB) Mark Bixby-1627 Highland Dr.-Newport Beach, FRG-7, 3' wedge CA 92660  
 (NHP) Nick Hall-Patch-3272 Alder St.-Victoria, BC Transmogified HRO, V8X 1P2 FET AA loop  
 (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA FRG-7, HE-30, SM-1, and 98520 questionnaires to stations in some cases  
 (NH) Nancy Hardy-2301 Pacific Ave.-Aberdeen, WA FRG-7, SM-1 98520  
 (WJH) Bill Harms-N. 2213 Vista Rd.-Spokane, WA FRG-7, 3' wedge, longwire 99206  
 (SMM) Steve Mittman-2248 West 37th St.-San Pedro, Realistic TRF, 3' wedge CA 90732  
 (bp) Bruce Portzer-6546-19th NE-Seattle, WA HQ-180A, 4' loop 98115  
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 (MFS) Matthew Shugart-12561 Groveview St.-Garden Grove, CA 92640 Realistic TRF, Sony TFM-7400W  
 (RW) Robert Wien-945 Desert Isle Dr.-San Jose, CA GE TRF long-range portable 95117

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 550 KMVI HI, Wailuku 7/12 on RS w/live PSA & pop mx. Must be on past local mid-night now. Atop KBOW et al, as per usual after KOAC goes off nitely at 0300. (BH-WA)  
 550 CFJC BC, Kamloops 7/18 0315-0409 dominating w/KBOW nulled, no KMVI for some reason. rr mx, many "J-C-55" ment's, definite Kamloops mention 0348, but didn't say "CFJC" anytime - not even at start of 0400 "J-C-55" nx. (BH-WA)  
 560 KBLU AZ, Yuma 7/22 1424 poor w/extreme KIAC-570 splatter w/pop song, then "K-blue Radio" ID, into ad for store in the Yuma-Mesa Shopping Center at 1426. (SMM-CA)  
 560 ?KMON? MT, Great Falls 7/12 0703 noted two stns 77 w/Ai nx (one being KPQ), so waited around & got spot 0707 ment. Great Falls, then C&W mx. Good but much KPQ QRM, KSFO nulled. 0713 spot for "What makes Great Falls great" & others, more C & W. By 0717 had faded too far to make firm ID possible, rats. (BH-WA)  
 570 \*KCNO\* CA, Alturas 7/3 0336 good o/everything w/OC & occasional TT. (RW-CA)  
 580 WIBW KS, Topeka 6/26 0523 poor u/KFXD's semi-null w/Jepko. (RW-CA)  
 580 KCMX OR, Ashland 7/16 0350 on RS w/ID & C&W mx. Evidently AN, as DJ said "with you till 5 this morning" at 0546. Also on past 0425 Tues. 7/18; however, was off MM 7/17 0350 so not NSP, thank goodness. (BH-WA)  
 590?WOW? NE, Omaha 7/17 0344 heard a faint PSA in the 590 mess w/a mention of Omaha, then buried u/KTHO, KUGN & KFXM. Can't count. (RW-CA)  
 610 KFRC CA, San Francisco 6/26 0349 noted w/classical mx, not an ET, if anybody heard classical on 610, this was it. Don't know why they were playing it, tho. (RW-CA)  
 630 (KIDO) ID, Boise apparently off MM's again. Not noted 7/3, 7/10, 7/17. Just CKOV and KHOW. (NHP-BC)  
 KIDO +Letter from PD says watch for call change to KMMA sometime in the next few months. Also, they are "occasionally" off MM 0200-0700 for maintenance, no set pattern on the SP. (BH-WA)

640 (KFI) CA, Los Angeles 7/3 0630 noted totally off. (RW-CA)

690 KHEY TX, El Paso 0659 6/30 XETRA was off, and this was noted w/s/on ID, SSB, then Ai nx. Very poor amid QRN. (NHP) +7/13 0430 poor to fair u/XETRA w/C&W mx. SID at 0436, into "Convoy" song. Noted again 7/21 at 0417 w/good signal; many mentions of "K-hey." (SMM-CA)

690 (XETRA) BC, Tijuana noted off 7/13 at 0430 and again 7/21 at 0417. (SMM-CA)

720 KDWN NV, Las Vegas 7/15 1801-1816 poor w/slop from KBRT-740 & extreme slop from KMPC-710. AP Radio nx, w/ad for local hotel and casino, into light pop mx. "It's 3:16 at K-dawn" TC from OM at 1816. (SMM)

730 KSVN UT, Ogden this is unID in April 15th DXM, finally ID'd by calling request line heard on air 3/23 0810 (621-4371... not 631), called K-7 Modern Country. 55 watt PSA. (MFS-CA)

790 KGMI WA, Bellingham appears to be AN on MM's again. Automated MOR & one ID 0500 7/10, followed by local wx. Have noted the MOR previous MMs also. (NHP-BC)

830 WCCO MN, Minneapolis-St. Paul fair 7/15 0419 w/talk on severe LA smog cx. (MB)

860 KWHO UT, Salt Lake City 7/6 0802 poor to fair w/"America the Beautiful", 0803 "Mountain West Concert Radio" ID. (MB)

870 \*KIEV\* CA, Glendale xlnr 7/18 0311 w/varying TT. (MB-CA)

890 ?KBYE? OK, Oklahoma City 7/10 0720 very weak thru QRN w/talk. Could have been relig. which would match KBYE but uncertain (MFS-CA) (Unless WLS went all-relig., Hi, hi.--NH)

910 \*KOXR\* CA, Oxnard 7/7 0330-0346, 0402 fair to good in KNEW null w/1 kHz TT, one ID at end, then back on at 0402 re-check. New. (RW-CA)

910 KPOF CO, Denver 7/17 0458-0501 o/null'd KNEW w/religious & ID into nx. (WJH)

920 KELP TX, El Paso 7/3 0514 poor o/u KORK, but new. Heard w/a clear MDT TC, "It's 14 after 3 at Kelp-92," then faded out w/KORK taking over. (RW-CA)

920 unIDs 6/20 0500 two stations looping NW, one BFL mx, one rr, heard w/QRN from KHJ-930 talk show. That direction normally impossible when KHJ is playing mx so both are new here. (MFS-CA) (Had this been a MM, your BFL mx would possibly have been KITN. However, KITN runs Larry King from MBS all other nights, so don't know what it was unless the Mutual line broke down. KXLY should have been off, so odds are the rr was KGAL.--NH)

930 KYSS MT, Missoula 7/20 2310-2320 w/C&W mx, promo for "Kiss Radio" Gift Book, sports, and ID. Surfaced enough to get by KXLY-920 slop for a few minutes. A real goodie as KXLY still slops badly on the "frog". (WJH-WA)

940 \*KPRE\* CA, Fresno 7/10 0555 noted w/TT when OC was turned off, nothing there except CJIB. (RW-CA) (How could you hear a TT if the carrier was turned off?--NH)

940 KBRE UT, Cedar City 7/20 2239 w/ad for "Cedar City's newest business, The Shirt Shop." Then SID, & into Alice Cooper song. PSA for high blood pressure at 2248. Poor to good w/QRN & KHJ-930 slop. (SMM-CA)

940 CJIB BC, Vernon 7/17 0414 poor but readable w/Eric Clapton mx, KPRE off. (RW-CA)

950 KIMN CO, Denver 6/26 0419 poor to fair w/syndicated "Roy James, the Solid Rock" religious program. (MB-CA)

950 \*KMTX\* MT, Helena 7/3 0332 TT start 0337 voice ID. Good w/KJR. New here. (WJH)

950 KSEL TX, Lubbock 6/26 0429 on top briefly w/"AM 95, FM Rock 93" ID. Severe KIMN QRN. (MB-CA)

990 KTKT AZ, Tucson 7/11 0550 deep fading, very poor, but audible at times w/rr mx, KKIS off. (RW-CA)

990 CBW MB, Winnipeg 7/11 0600 poor to fair at s/on w/GSQ, list of all CBC affiliates in MB, then a beep, then OM "This is CBC news." KTKT wiped out. (RW-CA)

1010 \*KIQI\* CA, San Francisco 7/10 0508 poor to fair w/"K-101" ID's, pop/MOR mx, apparent FM simulcast, abrupt OC in mid song at 0515. (MB-CA) +7/12 0311 TT'ing w/splash from 1000-1030. (RW-CA)

1010 KD JW TX, Amarillo 7/6 0718 poor w/C&W mx, 0719 wx and Braniff Airlines spot. (MB)

1020 KDKA PA, Pittsburgh poor to fair 7/15 0409 in KTNQ absence w/local wx, 0410 request number given as 333-9393 & into pop mx. 10-Q noted testing at 0422. New here, heard again 7/16 in yet another 10-Q SP at same time. (MB-CA)

1030 \*KCTA\* TX, Corpus Christi 6/26 0220 noted w/TT, poor signal. (RW-CA)

1030 \*KTWO\* WY, Casper 7/17 0534 noted testing w/rr mx, DJ must prefer rr to C&W, two ID's after mx, then OC. (RW-CA) (KTWO's format is MOR/pop daytime; KTWO only uses C&W 0200-0730 Tues.--Sun.--NH)

1050 KBUF KS, Garden City 7/3 0746 local spots, CDT TC's. Great signal at 5kw on totally clear channel, should be best bet for this state, I feel. (MFS-CA)

1060 KKKQ AZ, Tempe 7/3 0733 at last, the new call ex-KUPD. Usual strong signal, ID's as "The new K-Q" similar to the "New 10-Q." (RW-CA)

1060 \*KPAY\* CA, Chico 7/16 0245 a strange s/off time, but off 15 minutes before midnight. (RW-CA)

1070 (KNX) CA, Los Angeles 7/10 0408-? noted off w/TT & periods of OC; off totally at 0600 re-check. (RW-CA)

\*KNX\* 7/10 xlnr w/TT. May have 2nd MM SP/ET. (MB-CA)

1080 KWJJ OR, Portland 6/20 0350-0400 very good, minimal slop since XEPRS-1090 seemed to be having xmtr troubles. Very frequent ID's. (MFS-CA) +7/15 0215 poor w/wx & "KWJJ" ID, into MOR'ish pop mx. (MB-CA) (Supposed to be "Modern Country," which gets MOR-ish at times, hi.--NH) +Per answer to my letter lists their Sun. SP as "0301-0830." However, I've noted slight variations to this in the past, such as an 0352 s/off or an 0900 s/on so maybe take that info w/a grain of salt? (BH-WA)

(KWJJ) 6/30 0300-0330 noted totally off, KRLD all alone. Friday night/Sat. morn. (RW)

1080 \*KRLD\* TX, Dallas 6/26 0238 noted w/TT, fair, in KWJJ null. (RW-CA)

1100 KFAX CA, San Francisco 6/20 0400 announced s/off for "scheduled maintenance" to be back on at 0800. (MFS-CA) (This is a weekly Tues. SP.--NH)

1110 \*KRLA\* CA, Pasadena 7/17 0415 xlnr w/TT, o/KFAB. (RW-CA) (What's KRLA's MM SP, anyone?--NH)

1120 KMOX MO, St. Louis 0510-0525 poor to fair u/o KPNW & occasional carrier interference from KRLA-1110 which, when on, would wipe out KMOX. Finally logged this station w/call-in public affairs program w/Scott St. James. Phone number as (314)436-7900. State #26. (SMM-CA)

1130 KRDU CA, Dinuba 6/26 0328 poor w/end of "American Indian Hour" program. (MB)

1130 KLEI HI, Kailua 7/20 0330 poor to fair u/KSDO, mixing w/KWKH. Local wx, w/many temps given. Poorly heard mention of "Maui," but then clear "KLEI" ID popped out. Into beautiful mx. Only 2nd time ever heard. (SMM-CA)

1140 \*KMJJ\* NV, Las Vegas 7/1 0401-? good, way o/KRAK at times, various rr mx, one ID at 0430. New, ex-KLUC. Also noted 7/12 0306 fair in KRAK null. (RW-CA) (Sounds like anyone needing Virginia better hurry up before KMJJ's CP for fulltime goes on.--NH)

1150 KCKY AZ, Coolidge 7/17 0510 poor to fair in KIIS/KAYO null w/"Southern Nights." Not heard in a while. (RW-CA)

1150 KSAL KS, Salina 7/3 0649 in KIIS "seminull" heard positive ID then tail end of legal ID at 0659, into Ai nx. Finally I've logged this elusive state! (MFS)

1170 \*KLOK\* CA, San Jose 7/17 0500-0515 tested for only 15 minutes, off totally for only 3 minutes, but caught unID rr in there w/KV00. (RW-CA)

1220 KCCS OR, Salem 7/5 2355 poor w/ID "KCCS, music that gives hope." and into relig. MOR mx. (MB-CA)

1230 KRIZ AZ, Phoenix 7/14 0245 poor u/KKTT w/ pop mx. Ad for Navy at 0250. (SMM)

1230 KGAM CA, Bakersfield 7/16 0445 ex-KGEE. Noted for first time, didn't know who I had until I heard ID at 0500. Has switched format to EZL. (RW-CA) (anyone know if they are related to KGFM, Bakersfield?--NH)

1230 KXO CA, El Centro 7/19 0240 peaked strongly from GY mess w/rr mx. ID as "It's Madness(???) ; KXO, El Centro." (SMM)

1230 \*KKT\* CA, Los Angeles 6/26 0421 fair to good w/repetitions of the song "FM", ID at 0425.35. Seems to be going off quite regularly. (MB-CA)

1230 KLAV NV, Las Vegas 7/18 0455 brief fade-up in KKT null w/wx, CBS nx at 0500, then into C&W mx. Unneeded. (SMM-CA) +6/20 2300 poor w/"Radio 1-2-3, KLAV, Las Vegas" ID & into nx. (MB-CA)

1230 \*KQIK\* OR, Lakeview finally heard this one w/ f/c 7/3 0309. TT, Morse code ID audible in GY mud. (WJH-WA)

1230 KPRQ UT, Murray 7/10 0343 poor w/Pioneer Dodge spot, then "K-park 12" jingle and into pop mx. (MB-CA)

1240 KPPC CA, Pasadena 7/10 0359 very poor w/ "KPPC Pasadena, California" ID then s/ off. New here. (MB-CA) +7/3 0308 good in KMBY null, well o/KROY, KSON, XECG mess. ID as "This is Inspirational Radio, KPPC," into soul mx (Gospel mx??--NH). Xlnt for 100 watts. (RW-CA)

1240 KSON CA, San Diego 7/7 0608 poor in KMBY null o/"buzzsaw", XECG coming up to take over. (RW-CA)

1250 WREN KS, Topeka 7/17 0539 fair w/pop mx. ID from OM at 0544, into short wx report for Topeka & Wichita. (SMM-CA) +7/18 0659-0708 xlnt w/spts, ID, Ai nx then poor after 0700 when stn switched to ND so not enuf for verie from my most-wanted station. (MFS-CA)

1250 KIKZ TX, Seminole 7/3 0720 on PSA, good w/farm info, mentions of Big Spring, Hobbs (NM), promo for Radio Bingo. (MFS)

1250 ?CKOM? SK, Saskatoon 6/30 0720 during DJ patter of KYAC, very weak mention of Saskatoon w/loop NE, doubt anything else, WREN faded out, KTMS as well as KYA off. (RW-CA)

1260 (KYA) CA, San Francisco 6/26 0301 noted totally off, not back on till well past 0800. Frequency dominated by KGIL, no sign of CFRN. (RW-CA) +6/30 0500 noted s/off, may have a nightly 0500 s/off now. (RW-CA)

1270 \*KGUY\* CA, Palm Desert 7/18 0535 testing w/ early 60's mx. ID from OM at 0540 & 0542, w/mention that they were on the air for transmitter testing & maintenance. Fair w/KFRN-1280 slop. (SMM)

1270 ?WHBF? IL, Rock Island 6/30 0620 possibly the one w/C&W mx u/KTLC in CHWK null. Not KFJZ, could be CHAT, but not C&W. Nothing else fits. (RW-CA) (CHAT does have C&W at times. It also could be an ET from any of several C&W stns.--NH)

1270 \*KWRL\* NV, Sparks 6/30 0248-0300 noted varying TT, o/KCOK. They were testing before midnight. Isn't that illegal? (RW-CA) (Theoretically, yes. Usually your pre-midnight ET'ers don't bother to ID, hi. --NH)

1270 CHAT AB, Medicine Hat 7/1 0554 noted w/"C-hat" ID, promo for upcoming rock show, then faded out u/KTLC. Fantastic, rare reception, blowing away KTLC & CHWK, KYA-1260 off. (RW-CA)

1280 KJOY CA, Stockton 7/19 0259 poor u/KFRN in attempted null, w/quick ID, into pop mx. What "JOY," hi, since KFRN is practically in my backyard, and NSP! (SMM-CA)

1280 \*KWMS\* UT, Salt Lake City 7/3 0528 fair to good o/u KJOY w/TT. (RW-CA)

KWMS 7/5 0036 noted w/Salt Lake City Gull baseball ID. Good w/KIT nulled. (WJH-WA)

1280 KUDY WA, Spokane forget this one during the summer as they are 6am-6pm (PLT). (WJH-WA)

1280 KIT WA, Yakima 7/7 0712 w/top 40 mx. Good thru KFRN. (MFS-CA)

1300 KROP CA, Brawley 6/26 0306 first time at s/ off; well u/KYNO & KWKW, end of s/off "Good night from all your friends at KROP." (RW-CA)

1300 \*KPTL\* NV, Carson City 7/17 0303 noted strong w/TT, slopping o/to 1290 & 1310. (RW)

1300 \*unID\* 7/7 0532 first time ever heard a dial tone on a WC station testing. Loop N/S. (RW-CA)

1310 KNPT OR, Newport per station is now 0900-0300 every day. (BH-WA)

1320? \*KWHN\*? AR, Ft. Smith 7/16 0252 unID TT hrd very weak u/KCPX, looping ESE. Was just going to pass it by when an ID came on "This is KW---...equipment testing purposes only," then back into tone. KWHN is only one that would make sense. (RW-CA) (Don't overlook the possibility of 1kw KWOE, Clinton, OK.--NH)

1320 KHIT WA, Walla Walla even though this is a semi-local, reception is difficult because of KMBI-1330 slop. Heard 7/21 2325 w/"K-hit" SID & Carpenter's song. (WJH-WA)

1330 KFAC CA, Los Angeles 7/15 0326 w/C&W mx. First time ever hrd KFAC w/anything other than classical. At 0333 OM mentioned that this is a new Fri. night (Sat. morn) feature on KFAC in which he is recreating a successful show he had on WBAI (FM) in N.Y. in which he played quality C&W and pop mx which wouldn't be played on other AM & FM stations because they wouldn't sell or wouldn't offend. (SMM-CA)

1330 ?KFH? KS, Wichita 6/22 0025 w/TC in CST. (CDT?--NH) In KFAC null. Had heard C&W mx earlier here. Still searching for ID. (MFS-CA)

1330 \*KUPL\* OR Portland 6/26 0351 noted testing o/u KFAC. Fair. (RW-CA) KUPL +7/10 0525 poor w/MOR versions of pop songs, 0530 ID & PSA for employment workshop. KFAC noted off first time ever. (MB-CA)

1330 unID 6/26 0634 in KFAC null. SID "Your kind of Country..." (like KLAC-570 & KRNV-880) but missed call. Anyone know who on 1330 uses this? (MFS-CA)

1340 KATA CA, Arcata 7/15 0339 one of the strongest receptions of this one ever for me, way o/everything briefly w/ID, then back down, KMAK taking over. (RW-CA)

1340 KAIN ID, Nampa 6/26 0525 this one not heard in a long time, good o/KBET et al w/ opportunities for Idaho employment. (RW)

1340 KRAM NV, Las Vegas 6/20 2246 poor w/"K-ram Music Country" ID in mess. (MB-CA)

1340 KOTY WA, Kennewick, per stn is AN-6, off MM 0300-0800. Also, they plan to switch soon from Mutual to Ae net. (BH-WA)

1350 KRLC ID-WA, Lewiston-Clarkston 7/2 0649 loudest reception ever for this one, something going on up there. Actually slopping 1340. (RW-CA)

1360 KZIQ CA, Ridgecrest 7/16 at 0845 s/on. Fair thru KGB. One of most-wanted stations, and one of closest un-heards, saves a few GY'ers. (MFS-CA)

1360 unID 7/16 don't know if this is all one stn or several: 0845 Power Line program, 0900 interview w/CC OM speaking in broken EE about Chinese Revolution, no ID. 0900-0907 Gospel mx, all thru KGB. Any suggestions? (MFS-CA)

1380 KZUL AZ, Parker 6/20 fair to good w/ID "In all that we do, the music is you, Casual Radio." (MB-CA)

1380 KTSM TX, El Paso 7/15 in poor in KTOM null w/KGER-1390 slop.S/off w/info on KTSM-FM 99.9 & KTSM-TV 9. Into SSB. (SMM-CA)

1390 \*KCEY\* CA, Turlock 7/17 0315 noted on w/TT, testing most of the night. (RW-CA)



1390? \*WTKN\*?MS, Meridian 7/13 0203 very poor u/  
KGER w/TT. Very tentative per the list.  
KEV QRM. (MB-CA)

1390 WFBL NY, Syracuse a pest most of 7/24 MM  
o/u various TT's w/ rock mx, CBS nx  
at 0500, promo 0529 for "14 FBL give-  
away" (another variation of the "What  
radio station do you listen to?"  
syndrome...). (bp-WA)

1390(\*KKOAA\*)ND, Minot 7/10 0537 tried, but not  
heard, only weak KEV in there. (RW)

1390 KCRC OK, Enid s/on 0559 7/24 u/KSLM etc w/  
call letters given about once every 5  
seconds, little else readable. (bp-WA)

1390 \*KSLM\* OR, Salem ET'ing MM 7/24 w/TT--noted  
w/Morse code "CQ" several times, 0549,  
0558, 0600, & 0609, then elaborate pre-  
recorded ID w/weird sound effects,  
mentioning ET, "5:30" s/on, and address  
to send DX reports to! (bp-WA)

KSLM Per station, has MM SP 0230-0830. Also  
has "20-20" nx format, w/local nx at  
:20 and local plus MBS nx at :40. (BH)

1400 \*KONG\* CA, Visalia 6/29 0347 noted w/TT o/  
KVEG. (RW-CA)

1400 KVEG NV, Henderson 5/29 0416 ex-KEMI. OM DJ  
said that he could be reached on CB  
channel 14, & that his handle is "Vegas  
Country 14." Into C&W. Sounds like  
CJOC-1220. (SMM-CA)

+7/14 0157 good signal, atop CHNL1/CINL,  
KTNT, & others, w/C&W mx, promo for KVEG  
monitoring CB channel 14, slogan "Vegas  
Country KVEG." (BH-WA)

+7/14 0157 "Vegas Country" & call in promo  
for the station monitor of CB channel  
14. Into C&W mx. (NH-WA)

1400 \*KIUN\* TX, Pecos 7/3 0622 very weak, but  
readable on f/c per list, strong KVEG  
well o/them, all in KRE null. (RW-CA)

1410 \*KMYC\* CA, Marysville 7/7 0323 noted quite  
strong w/TT, well o/KERN & CFUN. (RW)

1410 KPAM OR, Portland heard one hour after  
local sunrise 7/13 0910-0920 w/ID's  
"K-pam," rr mx & local ads. Good. (WJH)

1420 KUJ WA, Walla Walla 7/20 0350-0401 w/pop  
mx. ID at 0401, along w/"You're listen-  
ing to...much more music" slogan. Fair.  
(SMM-CA)

1430? \*KRG1\*?NE, Grand Island 7/10 0543 very weak  
u/KARM/KBRC combo w/1kHz TT, what  
sounded like an ID at 0545, then off.  
(RW-CA)

1430 KLO UT, Ogden 7/3 0725-0730 I haven't  
heard this one in a while, tnx to KARM,  
but noted again w/Ai nx, ID "This is  
Channel 14, KLO Og-den!" Weak u/KARM.  
(RW-CA)

1430 KCLK WA, Clarkston heard s/off 7/21 2344-  
2345 w/KXXR-1440 slop nulled. (WJH-WA)

1430 KBRC WA, near Mt. Vernon 7/10 0500 this one  
is becoming a pest on MM, must be on  
5kw now. O/u KARM w/great signal. ID  
as "near Mt. Vernon." Is their studio  
or xmtr outside Mt. Vernon, hence  
"near?" (RW-CA) (One block outside the  
city limits.--NH)

1440 KOPA AZ, Scottsdale 7/12 poor to good u/  
KPRO. S/off at 2237 after Presley song  
w/OM saying "The sound of solid gold  
continues on KOPA-FM 100.7 in stereo  
in the Valley of the Sun." (SMM-CA)  
(Everyone note new call. ex-KSGR.--NH)

1440 KUHL CA, Santa Maria 7/13 1511 fair in KPRO  
null w/ABC commentary. Ad for Old Town  
Mall in Santa Maria at 1513, into nx,  
then pop mx. (SMM-CA)

1440 KPUR TX, Amarillo in good o/KKXL & 2 unID  
stations 7/15 0647-0701 w/top 40 mx,  
wx and a local spot. My 450th logging.  
And who days DX doesn't exist in the  
summer, hi. (WJH-WA) (It does for  
those who acquire a new rx in the  
summer, hi.--NH)

1440 CJOI AB, Wetaskiwin heard w/nx & s/off 7/19  
0152-0200 mixing w/partially nulled  
KODL. KMED was in there also. (WJH-WA)

1450 KTIP CA, Porterville 7/18 0400 poor to fair  
w/ID from YL. Into EZL. I guess you  
might consider this station a real  
"TIP," hi! (SMM-CA)

1450 KYET ID, Payette 6/26 0136 ID "This has  
been the rx from the KYET Newsroom."  
into mx. Good o/all. (WJH-WA)

1450 KEED OR, Eugene popped in w/a PLT TC and  
then back into the mud 7/5 0406. (WJH)

1460 (KDON) CA, Salinas 7/10 0546 noted totally  
off, only a weak KMWX/KENO combo  
there, w/KYSN occasionally coming  
through. (RW-CA)

1460 KMWX WA, Yakima 7/3 0415 poor but readable  
u/KDON w/NBC nx at a strange time,  
TT also in there. (RW-CA)

1460 CJMH AB, Medicine Hat a dominant here  
lately. Heard every night w/ID's as  
"CBC Radio serving Southern Alberta."  
Call letters per verie from CBC. (WJH)

1460 \*unID\* 6/26, 6/27, 6/28...7/3 0400-? this TT  
has been driving me crazy. Noted u/  
KDON, occasionally strong, then fades  
out, then comes back, but never any  
ID's. Seems to be coming from north,  
could be KGAA? or KROW? Maybe KGAA is  
testing an xmtr. (RW-CA)

1480 KYOS CA, Merced 6/30 0411 on RS, could be  
going 24 hours, but noted off 7/3 so  
may be going 24h SP:MM rather than  
nightly midnight s/off. (RW-CA)

1480 KVAN WA, Vancouver scribbled "24 hrs, 7 days  
a week" across my questionnaire,  
confirming my suspicions that they're  
NSP w/AOR. (BH-WA)

1490 KWAC CA, Bakersfield 7/14 0220 up & down in  
mess w/SS mx & talk. ID in EE at 0230  
from OM as "This is KWAC, Bakersfield,  
California." Then resumption of SS  
programming. (SMM-CA)

1490 KTOB CA, Petaluma 7/1 0500 noted s/off, thot  
24h w/MM SP, but now schedule unknown.  
Mentioned returning at 6am. (RW-CA)  
(NewNRC Log has 0500 s/off for them  
nightly, 0100 MM; s/on 0830 M-F, 0900  
Sat., 1000 Sun. 7/1 was a Sat. so this  
fits.--NH)

1490? \*KRTN\*?NM, Raton 7/21 0217-0230 per the list  
w/TT poorly audible on & off u/KDB &  
other mess. Possible YL announcement  
at 0225. Definitly won't count. (SMM)

1490 \*KVAC\* WA, Forks TT 7/3 0316-0323 & Morse ID.  
New here. (WJH-WA)

1490 KENE WA, Toppenish here for the first time  
7/7 0128-0130 SS talk & ID at 0130. (WJH)

1490 CJPR AB, Blairmore first new catch on the  
"Frog." 7/1 0226-0233 o/all. //CJOC.  
C&W mx, ads, and asked for trade of  
QSL's. A regular now. Sometimes better  
than CJOC, hi. (WJH-WA)

1500? \*KROQ\*?CA, Burbank 6/26 0334 probably the one  
w/various tones o/KSTP, mucho KGA-  
1510 slop. (RW-CA)

1500 (KXRX) CA, San Jose noted off 6/26 0321, 7/3  
0500-? and 7/10 0400, but on 7/17 0504.  
Will have to watch this for a while.  
(RW-CA)

1510 WLAC TN, Nashville 7/17 0341 poor u/KGA w/  
ID. Into pop mx. State #25. (SMM-CA)

1510 (KGA) WA, Spokane I talked w/the CE Jim  
Stargell by phone & he told me that the  
SM SP is a set thing & because of xmtr  
problems they occasionally go off on  
MM & even other mornings. But don't  
count on it. Otherwise AN. (WJH-WA)  
+6/30 0328 noted off on a Fri. night/  
Sat. morn. OC on. Wonder why they were  
off? (RW-CA) (See Bill Harms tip  
above, Robert.--NH)

1520 ?WKBW? NY, Buffalo 7/10 0537 maybe the one w/  
faint rr mx in KYXI null, looping NE  
destroyed at 0600 by KOMA s/on. (RW)

1520 KYXI OR, Oregon City noted many Sundays  
lately w/Larry King all am. Letter from  
station confirms that former Sun. SP  
is gone; NSP now. (BH-WA)

1530 KNBI KS, Norton 7/17 0715 fair to poor w/  
almost inaudible ID, TC. In better on  
7/24 to make believer out of me for  
surprise catch (#300). (MFS-CA)

1530 WCKY OH, Cincinnati 7/24 0540-0548 w/EZL-  
MOR mx. Wx forecast for Cincinnati at  
0542, then EDT TC. New. (SMM-CA)

1530 KVWO WY, Cheyenne switched to here about  
May, I believe, ex-1370. Format C&W,  
10kw-ND days, 5kw-DA-CH, 1kw-DA-N,  
same DA for CH&N. This leaves 1370  
silent in Cheyenne for the present. (ER-WA)

\*KVWO\* 7/11 0413-0430 & 0503-0506 probably one testing w/ various tones, hums, & buzzes. Off at 0430 w/ no ID. (RW-CA)

1530 unID 7/24 0745 till KFBK s/on 0800. Loud, xlnt signal w/C&W. KVWO? Certainly strong enough for 10kw even w/DA-N&CH. KRYT & KCLR also probably possible, though. (MFS-CA) (10kw would be ND on KVWO. Only the 5kw-CH & 1kw-N would be DA.--NH)

1540 \*KPOL\* CA, Los Angeles 7/11 0404 xlnt w/OC, off at 0405 revealing KXEL in the clear. (MB-CA)  
+7/17 0558 strange airplane-taking-off like sound, no idea what they were trying to do. (RW-CA)  
(KPOL) 6/30 0510 noted off on a Sat. morn, KZAM strong & alone. No sign of KXEL. Wonder what they were doing off? (RW)

1540 \*KRXV\* TX, Fort Worth 6/26 0450-0515 good on ET in KZAM null, testing w/ various EZL selections, o/at 0515. At first I thought it was a KPOL ET; ID's after every song. (RW-CA)

1540 KZAM WA, Bellevue heard them 7/21 0900 ID into nx. Momentarily paused to tie into their FM xmtr. (WJH-WA)

1550 KQWB ND, West Fargo heard them the first time in the night 7/8 0130-0153. At first I thot it was a fantastic catch, but I soon found out that they are a pest on an already crowded channel, hi. Heard w/rr mx, DJ patter & frequent ads. O/all. They say they are "24 hours a day." Oh well. (WJH-WA)

1550 KGAR WA, Vancouver 6/26 0600 positive ID weakly in KRGO null (I guess you could call it a "null"). Don't know if this is one of my previous 1550 unIDs. What is KGAR's format?(C&W--NH)  
All I heard was the ID--that's a switch! (MFS-CA)

1550 unID 6/23 0738 C&W from N or NW, not KRGO. (MFS-CA) (Almost certainly KGAR.--NH)

1550 unID 6/23 0744-0750 pop mx, strongest due east. No idea here, lost fight for ID too potent (as usual) KRGO. (MFS-CA) (This could be KQWB, now fulltime at West Fargo, ND. See WJH's tip.--NH)

1560 \*KPMC\* CA, Bakersfield 6/30 0320 noted w/ID & mention of testing, OC on, KKAA and an unID SS under. (RW-CA)

1560 ?KAAA? SD, Aberdeen 7/15 0400 very poor w/ XEBG-1550 slop. Heard CBS nx, then C&W mx. Is KKAA C&W?! (SMM-CA) (Yes.--NH)  
KKAA Finally heard them. Everybody else has, hi. 7/22 0157-0206 nx about SD & wx, then CBS nx on the hour (//KPMC). Soft C&W mx. KPMC partially nulled. Also noted C&W station during nx. KCJJ? (WJH-WA) (KCJJ is supposedly off till 0215.--NH)

1570 CHUB BC, Nanaimo 7/17 0600 first time I ever heard them ID w/their twin, but good o/CKTA w/"This is CHUB-1570 Nanaimo, and CHPQ-1370 Parksville," into nx. (RW-CA)

1580? \*KNIX\* AZ, Tempe-Phoenix 7/13 0604 probably one w/TT well o/KDAY but badly mangled by KLIV-1590 slop. Doubt KWIP as signal weaker in the direction of Merced. (RW-CA)  
\*KNIX\* 7/13 noted TT booming in from 0315-0332. Retune in at 0345 showed FM simulcast w/C&W mx wiping out KDAY. Also noted testing again 7/17 0457 w/TT. (SMM-CA)

1580 KLOU LA, Lake Charles 7/17 0400 w/SID. At 0403 there was an announcement that due to technical difficulties AT-40 couldn't be played. Into pop/rr mx. Poor to fair. (SMM-CA)

1590 \*KLIV\* CA, San Jose 7/8 0511 noted off for a rare ET, but \$&\*!% OC left on, and testing quite often, KBBQ audible u/ KZOK & KBBQ. (RW-CA)

1600 \*KUBA\* CA, Yuba City 6/30 0316 noted ET'ing w/ various tones, then C&W mx at 0325. ET o/at about 0345. (RW-CA)

1600 ?KLAQ? CO, Lakewood 7/8 0544 tent. as unID C&W looping ENE thru KLIV-1590 OC splash, KWOW & KASH nulled. Just as song ended, KLIV started a TT, destroying any hopes for an ID. (RW-CA)

1600 KASH OR, Eugene 7/8 0515 very rare nighttime reception w/SID "16-K-A-S-H." O/u mess. (RW-CA)

1600 KOHI OR, St. Helens for those needing this little "light bulb", their sked is as follows: M-Fri. 0900-2300 (or LSS when earlier); Sat. 0900-2100 or LSS; Sun. 1100-1935. (BH-WA)

1600 unID 6/26 0406 poor to fair in KWOW null w/nx read by Michael Moore, PDT TC, then ID sounding like "KLAT" & into "American Country Countdown" (similar to AT-40). (MB-CA) (If it weren't for the PDT TC, Mark, I'd say you had KLAQ, which is NSP C&W. Maybe the DJ gave the TC an hour off? There was a KLAT on 1600 in Centerville, UT, a few years back, but it is now Gospel-formatted KBBX, and it's a daytime anyway.--NH)

July f/c's heard per the list:

1st MM: KIUN-1400 TX (RW-CA)  
KVSL-1450 AZ (RW-CA)  
The following back in 1st MM time slot-  
KQIK-1230 OR (RW-CA) (WJH-WA)  
KMTX-950 MT (RW-CA) (WJH-WA)  
KBFI-1450 ID (WJH-WA)  
KVAC-1490 WA (WJH-WA)

Welcome to WDXR, Eddie. A lot of good tips this time from everyone. Cx can't be too bad if bp's hearing 5kw from Syracuse. For a change my fingers don't ache. Now that I'm working again (at a fabric store part-time) I'm able to afford some things I've been wanting. You guessed it--first thing I saved for was an electric typewriter! It will take some getting used to certain keys being in different locations, but even so the typing of this column went faster than usual. Looks like most of you like the idea of parentheses ( ) meaning a station off the air or tried for but not heard. So if there are no objections, we'll keep that. Bill wonders whether we should use the symbol "t" rather than "?" for tentatives. Bill likes the "t", but I like the "?", hi. In the next WDXR watch for new guidelines for the column! Hope to see many of you in Portland at the convention!!

## DX CONTESTS --

### FINAL DOMESTIC CONTEST STANDINGS

PM	PS	NAME	TP	TNS
01	01	Nittler (NE)	1589	217
02	02	Morby, R. (NY)	1554	146
03	03	Collera (NY)	1419	163
05	04	Hall-Patch (BC)	1333	119
04	05	Hardy, N (WA)	1201	126
06	06	Hardy, B (WA)	1182	124
07	07	Wolfish (ON)	1165	128
08	08	Morby, L (NY)	961	121
09	09	Hammer (OH)	831	95
11	10	Wheeler (PA)	777	106
10	11	Clemmer (IL)	751	78
12	12	Ryan (AL)	678	101
13	13	Mount (NJ)	657	67
15	14	Eddie (MO)	560	75
14	15	Hogan (IN)	418	48
16	16	Anderson (NY)	379	33
17	17	Rice (NY)	0	0

### DOMESTIC VERIFIED

PM	PS	NAME	TP	TNS
01	01	Eddie (MO)	169	18
02	02	Clemmer (IL)	11	1

### FOREIGN CONTEST

No entries

It has been fun being contest manager. Thanks to all members who made this possible.

I will be sending certificates to the top four finishers in each division.



**eastern dx forum**

John Zondlo  
6617 Maryland  
Hammond, IN 46323

Bill Coleman, Jr.-114 Circle Dr.-Rocky Mount, NC  
27801-(919) 443-7282

Heard WKTB-1540 KHz-Richmond VA on testing this past Monday morn. (6/11) with a jazz music format, and giving out phone # for reports. Not too much MW DXing here except mostly on the FM and TV dials. I know we have some foreign members out there who are reading this right now. I need your help in obtaining some air checks of the Voice of Peace, which is still operating on 1538 KHz. In return, I'll provide you with some jingle packages, air checks of stations here in my area. I also have a lot of air checks of pirate stations like the old Radio City, Radio London, Radio Caroline, and Radio North Sea for exchange of old time radio programs, and your area air checks, AM and/or FM. Prefer cassettes, more so than reel-to-reel. Can be in stereo or mono. Please send cassettes soon as possible from anywhere world-wide. 73's, and thanks for any help.....

Gerry Thomas-2355 W. Michigan Ave., #460-Pensacola,  
FL 32506

Nothing much in the way of DX to report....summer doldrums still in evidence here. What little radio-related activity that has occurred lately has been the result of a marriage between my summertime hobby (i.e., 35mm photography) and my winter diversion (guess). For the last couple of months I've been driving around this part of the country photographing the broadcasting and transmitting facilities of my local and semi-local stations. (With this, my wife now feels that she has sufficient evidence to have me committed, so watch for an address change, hi.) The primary purpose of this forum is to see if there are any members with cameras who are interested in trading photos. Sort of an "I'll show you my locals if you'll show me yours" deal. Sincerely, if anyone is even slightly interested, please let me know. Well, gotta go. Hope to meet some of you at the "other" convention in Atlanta. 73's.

Scott Mentzer-Route #3-Tylertown, MS 39667

Once again, greetings from "ye olde Mississippi TT Gambler". First off, a hot summer tip for a hot summer. According to a recent v/1, the CE at WBIX (1010) mentions that he often runs a fairly extended TT on the first Tuesday of the month. As nearly as I can figure it out, the thing kicks off at around 0100 and is likely to last for an hour or more, featuring such things as easy-listening music, 1,000 cycle TT, and some random fragments of prerecorded religious programming. Even though they use a DX, at 10,000 watts, somebody beside yours truly ought to be able to pull them in. (Seeing that they're located in Jacksonville Beach, Florida, they probably have 99% of that power directed toward "Sharkie" and his transistor out in the Atlantic, hi.) Outside of that, there's not too much to report, at least not as far as summertime DX is concerned. Recent veries to come slithering in this way include: KEDD, WIXE, WBIX, and WRSM (all v/1); for a few choice examples of mediocre DX, check out CDXR. Ever since school has been out, I've been putting a few bucks back toward college by working as a laborer on a local construction job; the money's good, but believe me, one earns every penny of it, and after "busting your butt" all day in the hot sun, with 90+ temperatures, the prospects of doing a little bit of late night dial-twisting aren't too inviting. Therefore, just about all of the significant DX (in the summer? ha) I've done in the past month or so has taken place over the weekends. Some weeks back, I was pleasantly surprised by receiving two phone calls from some of the "bears in the back room" (not Grizzlies, hi); at that time, Gerry Thomas was still waiting for his KPAR and KNWS veries (since I received mine about three weeks ago, I assume he has received his by this time), and from Jim Ayres up in Jackson, who says that he has given up on BCB EX for the summer, concentrating his efforts on the FM and TV aspects of the hobby. Although I've never fooled around too much with either FM or TV DX, I did run into something rather interesting this past Sunday evening (6/18). Watching a show on channel 2 (WBRZ-TV in Baton Rouge), I suddenly found the audio completely taken over by

somebody else who also kept trying to dominate the video portion as well; this "unwanted stranger" turned out to be none other than KOAI (channel 2) in Flagstaff, AZ - beat that one, Jim, hi. (Now.... if only I could bounce a Flagstaff TTer in here on BCB....hi.) Final thought for the month: you can always tell when the summer conditions have hit bottom - "W" stations in WDXR are down to "absolute zero" and "K" stations in EDXR read at "zilch". Looks like that's about all from here; till next time, stay cool (if that's possible), grab whatever DX you can find, and, by the way, Bill Harms, since you're checking things out on 1380, how about my taking WAOK, stuffing it in a big box, and sending it out to you - permanently, hi. SAM

Greg Monti-5 Hickory Road-Bayville, NY 11709

The new WYFA-1580 is now on in Patchogue, NY. Like its predecessors (WSUF and WPAC), it's a 10kw daytimer, with 5kw directional away from CBJ-1580 in critical hours. The format is somewhere between "adult contemporary" and "soft rock". Needless to say, the dial position and resultant groundwave attenuation provide for less than wide-area coverage, even at 10kw. WGSW-740 ran into trouble the night of 6/10 (while they were off, of course), when a couple of partying types with bolt cutters cut down one of their three towers. They operated normally for the next week or so without it, but with a much less directional pattern, if any. The signal was good along the south shore of Long Island to the southwest, where it's usually pretty bad. As far as I know, they're back to normal. Being that the day after the incident was a Sunday, and a slow news day, some stations, like WCBS-880, gave the story lots of coverage. WTNE-1520 in Mineola, NY, has an unusual antenna system. Their tower, which is loaded with 2-way service antennae, is not their antenna. They have four pieces of wire running up the four corners of the tower on standoff insulators! And the wires are only about 100' long, making for rather poor efficiency. I believe the tower was there before they were, and they just had to make do with what was available. Was listening to all-news WPOP-1410 last night. They gave heavy coverage to a story on VHF-TV skip, which prime-time viewers were complaining about. They talked to a guy from the ARRL who explained what sporadic-E was, and that it only occurred in the summer, and also mentioned that some viewers had identified the offending stations as being in Texas and Ohio. I recently had occasion to be on the south shore of the island in mid-Suffolk county, and noticed a CBS affiliate on 790. WEAN and WAEB are just too weak there, and neither are CBS anyway. Someone suggested it might be WTAP. This was in the daytime, and maybe someday I can make a more detailed inspection of daytime shoreline DX. Static and 73's.

Charles F. Herman-P.O. Box 541-Clarion, PA 16214

Que pasa folks? It's been quite some time since I've last graced these pages. Much to formulate about this time. After a couple of months silence, I'm back. Well, JFCAn, I had a fine trip to Britian, but there was only two weeks. The weather around here has been like Paradise. Boy time flies. It's been a while since I've sent in a forum report. Been some time, but I'm still alive and doing well. Hello once again. Greetings to one and all. Hi all! I was sorry to see that dues will have to rise so much due to the postal rate increases. Dear Friends, it's certainly interesting that our Ed-in-chief would devote over half page of DXM space to appoint himself as spokesman. No other members of the club offered an opinion. In other words, why so much member apathy? So my "no" vote reflected a cross-section of club opinion. So, what's your pleasure? If you feel you're not getting straight answers elsewhere write to me. I for one hate to see this battle end. Well, I'll stop with this rambling for now. No letters written in 3 months, was sick. But I feel this had to be said. I hope you've now all seen the light. I think there is a high interest among members about this hogwash. Keep 'em coming, gang! Well said! Every friggin word above appeared in the July '78 issue of DXM. Of course, I used a little "literary license". Hope you enjoy! 73.

Mike Brooker-245 Old Forest Hill Road-Toronto, ON  
M6C 2H5

Had a good time at the ANARC convention in Montreal. I met IRCans Bill Townsend, Larry Nebron, Denis Beauregard, and Don Erickson. ODXA was well represented with about 20 members. The convention was mostly for SW DXers, but there was a BCB DX workshop. Since convention sessions started at 0900, I didn't have time to DX, but in the daytime I noted that CKLM, which I affectionately call "La Grande Peste" covered 1550-1590. Local yokel (or rather semi-local yokel) CHYM moved to 570 on 6/21. It's an even bigger pest on 570 than it was on 1490. I received a verie from WIXY-1600 for their frequency check. It said: "Sometime in the summer of 1978, WIXY will begin fulltime operation. It will be WIXY's policy to be a continuous radio station (i.e. NSP). There will be no dark nights. We realize this will cause despair in DX circles, but we feel the service to our listening public, especially late workers who enjoy the country music we broadcast, must be constant and ever-present. The date of the beginning of fulltime operation is not yet set, but if you wish to send a SASE we will be glad to send you press releases when the date is announced. You may wish to listen in on our first night of operation, both for the question of whether your DXing at 1600 will be affected, and just for the fun of hearing a new fulltimer. Send SASE care of Operations Manager." Since there has not been much poetry in DX Forums recently, here is one which I hope will inspire the IRCA muses to write something much worse:  
An IRCAn from T.O.,  
Said, "DXing is one thing I do know,  
If you want to hear slop,  
KMBR is hard to top,  
But CFTR is Numero Uno!!!!"  
That's about it for now. The Jays have clinched last place, but it's ARGOS in 78!!!!, with Terry Metcalf leading the Boatmen to their first Grey Cup since '52. Threescore and Thirteen de MB.

Bryan Lee-P.O. Box 69-Brooklyn, CT 06234  
It's me again. I'm saddened to read the 7/8 issue of DXM. It's a shame the IRCA is driving away members and future members by its rate increases. Great contributing members like Brian Sherwood shouldn't be driven away. Who knows, if worse comes to worst, the IRCA could fold due to lack of members (hi). Why not offer one page of advertising to make up for printing costs? Rates could be kept low while DXM is still printed in the same fashion at 34 issues per year. Hope you're reading this BoD. Well, on to more enlightening things. Conditions haven't been too bad around here of late, with 13 new stations for the first two weeks of July, best being WEAV coming in while WELI was ETing. After two and a half months, KXEL finally veried. Post office didn't notice the 13¢ stamp instead of 15¢!! Heard a station on 1260 on 7/3 that faded in for a second saying, "To win, call 628-8888." So I spent the next half hour calling directory assistance, asking the operators for local exchanges, only to find out my mystery station was WWDG!! What a bummer! Got to go, 73s to all.

ALBERT S. LOBEL-10514 CAMINITO BAYWOOD, SAN DIEGO CA 92126;  
PHONE: (714) 566-0092.

Greetings to all IRCA'ers everywhere! This DX'er recently attended his first beverage party. It was a lot of fun despite the fact that this DX'er got sick shortly after arriving. A few hours later I was feeling better than ever (no it wasn't on or because of beer -- would you believe warm root beer?!, hi!!). I arrived there well before anyone else after a four hour drive from Poway where I picked up Matti Johansen. Everyone else, Don Erickson, et al, arrived about three hours later. Once the antennas were put up the DX'ing got under way. The conditions, according to those who've been there before, were not as good as usual. My DX150A operated off the car battery worked real well. There was no problem with running down the cars battery; it didn't even show any sign of being the slight bit affected by the DX150A. I will make a point of attending the next beverage party that I can possibly make. I have sent in my vote for the new IRCA DXM rates. I have voted on the 26-6 sheet bulletins, 8-12 sheet bulletins in the present format. Hope all of you get your votes in soon! QUESTION: How will the renewals be handled for those who've already paid their dues for the year? WELL, 73 and good DX to all, de ASL.

RADIO-TELEVISION STATION  
IDENTIFICATION RECORDINGS  
by Jim Ayers

With this letter, I ask you for your input on a project I am considering. I am willing to head up the production of taped recordings of radio and TV station identifications. The purpose of this project is to make available to DXers with a cassette player tapes of radio and TV IDs, IDs which are otherwise weak or impossible to be heard in your area. I hope there are many DXers who, along with me, are interested in such a tape. The way I see it, you, the club member can send me a cassette tape including identifications of your local stations and of other stations received with a fair signal in your area. I am interested in both radio and TV IDs. I want to include as many stations as possible on these tapes so I'll take the IDs of all stations including the clear channel radio stations common to so many of us. Since we DXers are spread out so widely across the country, some stations are a long way from any DXer. For this reason, I'll accept IDs of lesser quality signals. I'm looking for IDs that can be easily understood and with as strong a signal as possible. Between all of us, there are thousands of stations received with strong signals. If possible on the radio stations, send me IDs with sound effects, backup music, drum rolls, orchestra background, etc. IDs with call letters sung sound nice. Send something as interesting and as catchy as possible. Some stations have long IDs running half a minute long and such with lots of IDs included, often including the frequency, location, and assorted other info about the station. There are lots of these with music background. Many good IDs come near the top of the hour. Sign-ons and sign-offs also make to be pretty good IDs. I'm looking for AM, FM, TV and domestic shortwave IDs (US and Canadian stations on shortwave). As for AM, FM, TX and TV IDs, I want to hear from ALL club members. This includes our overseas members. I'll be thrilled to hear from our overseas members. For the present, please don't send foreign short-wave.

I need your submissions on cassette tapes. Send a fair quality tape if possible, especially if some of your IDs have music included. Try to avoid 3 for a dollar tapes!!! Please leave a space of 2 or 3 seconds between IDs of different stations, and please send a list of stations included. The one thing I fear about cassette submissions is this: some recorders slightly change speed as they get older and can cause a lot of trouble. I speak from experience. The first 1 1/2 years of my DX catches were recorded on a recorder running 10% too fast and I had to transfer all of that stuff to my new recorder. So if your recorder runs at too much of a different speed than mine, we have trouble. I hope this won't be much of a problem, though. My procedure will be to record the master tapes for this project on my reel-to-reel recorder. I'll transfer submissions from your cassette to the reel-to-reel master. Every 60 minutes of master tape will be fed back on to a cassette to be sent to you. I'll keep the tape that you send to me in an ID library so I can stay flexible with modifying the master tapes. I need your input on what I've said. And now some questions: Should you send me a blank tape to return to you as the finished product or should you send me \$1.69 to buy high quality tapes at discount bulk rates? (With over 50 orders, I can get \$2.50 tapes at \$1.69 discount rates.) Should I divide the AM, FM, TV and SW IDs among separate tapes consisting of exclusively AM IDs on one tape, FM on another, and SW thrown in there somewhere, or should I mix the IDs all together with each other? Either of these systems of grouping suits me equally well. I could make masters mixing the IDs on one tape and separating them on another tape. It's u

(article continued on page 573)

**KTNW**  
100

1230 HOUSTON

# DX Worldwide



BRUCE PORTZER,  
Editor

All times GMT/UTC  
Deadline 8/24

6546 19th Avenue Northeast - Seattle, WA 98115 - 206-522-2521

## ATLANTIC DX ROUNDUP

- 548 ALGERIA, Oran, poor w/drum mx 0124 6/25. (Connolly)  
765 a SENEGAL, Dakar, good w/mellow African vocal harmonies & man in FF 0037 6/25. (Connolly, MA)  
1205 FRANCE, Bordeaux, fair-good w/FF talk, then rock mx 0349 6/25. (Connolly, MA)  
1403 GUINEA, Conakry, weak w/talk & native mx 0107 6/28. Best TA during Auroral cx, male chanting in FF & fluttery carrier 0115 7/5. Xlrt w/female African vocal mx/chanting 0147 7/9. (Connolly, MA)  
1421 W. GERMANY, Saarbrücken, fair w/man in GG 0304 7/19.  
1475 BENIN, Cotonou, fair w/FF talk, African mx, 0103 & 0112 6/28. Weak net on low side (SS GYer?).  
1529 VATICAN CITY, R. Vatican, fair-good w/AA-type mx & preaching 0111 6/28. (Connolly, last 3)  
1538 WEST GERMANY, Mainflingen, DLF good w/man in GG o/ WPTX slop 0303 7/19. (Connolly, MA)  
1546 t UKRAINE, Vinnitsa, suspected here, talk in noise 0302 7/19. (Connolly, MA) (Unusual catch for this time of year, but certainly possible. The other things listed here aren't any better bots. bp)  
1578 ? UNID, Portugal?, opera here at weak level 0140 7/5. (Connolly, MA)  
1586 W. GERMANY, Langenberg, WDR, very good (entertainment quality) w/swing jazz 0300 7/19. (Connolly, MA)

## PAN AMERICAN DX ROUNDUP

- 535 GRENADA, Morne Rouge, R. Grenada good w/steel drums & Trinidad-style vocal 0201 7/9. (Connolly, MA)  
540 MEXICO, San Luis Potosi, XEWA, SS talk by OM 0435 7/17 fair. (Townshend, DC)  
545 DOMINICA, Roseau, still off the air 6/25. (Connolly)  
540 ? UNID, R. Velita (?) ID hrd, then 2 march pieces played (NA's?), then s/off 0200 7/9. CBT dominant after s/off of the IA. (Connolly, MA) (If you have a tape of it I might be able to ID then anthem.bp)  
555 ST. KITTS, Basseterre, good w/festive reggae mx having heavy bass line 0156 7/9. (Connolly, MA)  
580 PUERTO RICO, San Juan, WKAQ, good w/record ad (bits of SS vocals), WKAQ 4-note IS, then rapid-fire SS talk about traffic 0203 7/9. (Connolly, MA)  
595 DOMINICA, Roseau, fair-good o/WEEI slop; EF nxcast 0204 7/9. (Connolly, MA)  
610 CUBA, Trinidad, CMHW, R. Rebelde //600/590 0614 7/8 w/ poor signal & incredible QRM from multiple domestics & Honduras. (Baskind, MS)  
610 HONDURAS, Tegucigalpa, HRLP, noted w/promo 0117 7/13: "En la América... la Fabulosa!" Fair overall. (Baskind)  
620 CUBA, Moa, 6/25, unusual to hear anything atop YMM but THIS R. Rebelde out/let audible 0300 w/EE disco //590/600 etc. Fair. (Thomas, FL)  
650 DOMINICAN REPUBLIC, Santo Domingo, R. Universal, HIAT, u/WSE w/TA mx 0815 7/13. Last month's logging as "R. Universidad" was a typo on my part, sorry. (Baskind)  
650 VENEZUELA, Maracay, YVLI, booming in w/R. Vision ID, ads for Maracay firms 0205 7/9. (Connolly, MA)  
670 CUBA, San Pedro de Cacocum, CMKP, R. Progreso, noted suffering from bad hum in carrier, distorted audio 0156 7/13. Left air for repairs once or twice during the course of the evening. (Baskind,MS)  
670 VENEZUELA, Caracas, YVLL, atop channel w/"Notirumbos" mx pgm, 3 note chime sounded between each item 0340 6/25. (Connolly, MA)  
675 COSTA RICA, San José, TICN, R. Sonora, in like a ton of lead 0645 7/8 w/usual format. (Baskind, MS)  
698 DOMINICAN REPUBLIC, Valverde, HIDC, good, killing 700 IA mess; female SS vocal noted 0207 7/9. (Connolly)  
700 COLOMBIA, Cali, HJCK, SS talk by OM, ment of Barranquilla 0102 7/14. Fair u/WIW 30 mins after sundown. (Townshend, DC)  
700 CUBA, Ciego de Avila, CMJT, R. Progreso finally hrd o/WPTX splash, WIM, Jamaica, & Costa Rica QRM 0312 7/13. (Baskind, MS)  
705 t ST. VINCENT, Kingstown, suspected w/reverberated talk & soul mx 0129 6/25. (Connolly, MA)  
740 CUBA, Camagüey, CMJL, dominant o/CBL; IS, then R. Habana Cuba ID & slogan "primer territorio libre de América" 0353 7/9. (Connolly, MA) (Which loosely translates as "freeist land in America"...bp)

- 750 COLOMBIA, Medellín, HJDK, LD de Antioquia, in 0652 7/8 battling QRM w/Caracol ment & IA mx. (Baskind,MS)  
750 VENEZUELA, Caracas, YVKS, IA mx 0156 7/13 poor fair u/WSEB. (Townshend, DC)  
752 a? UNID, weak SS OM here 7/18 0440 putting about 2 kHz het on WSE. Long fades. (Thomas, FL) (TIRA? bp)  
760 COLOMBIA, Barranquilla, HJAJ, good w/LV de Barranquilla ID 0225 6/25. (Connolly, MA)  
760 VENEZUELA, Puerto la Cruz, YVOQ atop HJAJ; speech about Venezuelan politics 0120 6/9. (Connolly, MA)  
780 CUBA, Camagüey, CMJN, athletic event, rapid SS talk by OM 0047 7/13 good, minutes after LSS. (Townshend)  
810 COLOMBIA, Bogotá, HJCY, o/WGY, man in SS, Sutatenza ID 0351 7/9. (Connolly, MA)  
+SS talk by OM fair-good. IDed 0059 7/13. (Townshend)  
810 PUERTO RICO, San Juan, WKVM, noted w/SS mx, "KVM" jingle, mx headlines in SS, fair w/QRM 0100 6/25. (Connolly, MA)  
830 VENEZUELA, San Antonio de Los Altos, YVLT, loud w/R. Sensacion ID, TC 8:46, then male SS vocal 0046 6/25. (Connolly, MA)  
840 COLOMBIA, Santa Marta, HJBI, Ondas del Caribe, w/TC & ment of Colombia u/WHAS & unid LV de Cuba outlet 0859 7/17. (Baskind, MS)  
840 HAITI, Cap Haitien, LVEF, R. LVEH dominant w/FF talk & Caribbean style instrumentals, low het present on high side 0217 7/9. (Connolly, MA)  
+Squeaked in w/"Amazing Grace" chimes ID //1035 1059 7/14. Poor sig. (Baskind, MS)  
840 PANAMA, Panamá, HOL80, R. Libertad rose above IA babble 1058 7/14 w/full ID & address as given in WPTH: Aptd Postal 4950, Panamá 5, Panamá. (Baskind)  
840 ? UNID, 0712 7/13, someone running a horribly edited version of "Star Wars" theme as an IS. 23 sec of mx, phaser noises & repeat. This abomination went on until 0726, when the IS terminated and the sig faded out. How frustrating! (Baskind, MS) (Maybe the stn you had on 770 last month changed frequency.... bp)  
850 t HONDURAS, Tegucigalpa, HRU, R. Centro, assumed to be the stn running Honduran mx 0302 7/13. Badly muffled promo 0305 ended "...en Tegucigalpa." (Baskind, MS) (HRU is listed on 860 in WPTH.... bp)  
860 DOMINICAN REP., Santo Domingo, HIIR, talk in SS by YL u/GJBC 0120 7/13 fair. (Townshend, DC)  
860 NICARAGUA, Managua, YNAV, R. Continental, seemingly has returned to the air. Hrd quite a few "Continental" & "Nicaragua" IDs 0359 7/16, including an SID ending "Nicaragua son". 0400 "La Continental...on la misma señal" supports ID, as it's something a stn coming back on would possibly say. (Baskind, MS)  
860 PANAMA, Chitré, HOL55, R. Reforma, 1056 7/14 super accurate TCs hrd (within 2 sec or so of WWV, that is), Ranchera-ish mx format. DJ shouted "cuatro minutos para la seis..." & keyed a bomb-falling type whistle until top of hour, then YIs w/SID. (Baskind, MS) (A four minute bomb-falling whistle?? bp)  
871.5 ? UNID, IA here w/man in softly spoken SS facing off against wretched jamming-type signal on 870 0220 7/9. (Connolly, MA)  
875 ? UNID, first noted 7/11 as a het against WWL. Reception is poor at best due to fading & QRM. Stn is EE, plays only c/w mx, has no spots, gives wx & occ mx. Looped toward Central America or Caribbean area. Have hrd them go off at 0600 & briefly at 0700-0706. They have been hrd on as late as 0900. Closest thing to ID was hrd when the temperature was given for "downtown (thunder crash)". Got it on tape & sounds like "Barcelona" (or similar) to me; loaned tape to SHM & he hears something like "Port Limon". HELP! (Bixby, CA) (The location of Port Limon, EE talk, cw mx, & 0600 s/off bear a suspicious resemblance to TIQ, last reported on 1175. Maybe they've moved or added a relay xr. Can you send me a copy of the tape? bp)  
880 CUBA, Pinar del Rio, CMAF, talk in SS by OM fair u/WBES 0123 7/13. (Townshend, DC)  
890 DOMINICAN REP., Santo Domingo, HIPJ, R. Continental w/"Calidad Eldorado" ment, popish SS tunes 0117 7/13. (Baskind, MS)  
930 COLOMBIA, Bogotá, HJCS, u/domestics, Cubans, etc., w/Todelar chimes 0257 7/14. (Baskind, MS)  
950 CUBA, La Habana, CMBF, 1705 7/9 u/WBKH w/talk in SS, some semi-cl mx around 1710. (Baskind, MS)  
+Talk by OM in SS 0146 7/13 and again 0159. Fair u/CBM slop & WPEM. (Townshend, MS)  
960 COLOMBIA, Magangué, HJHN, R. Sutatenza good/dominant w/accordion mx w/SS male vocal 0335 6/25. This pest pretty well kills any chances to get ZFB Bermuda under weakened-domestic cx. (Connolly, MA)  
980 CUBA, La Habana, CMCK, running RHC pgm "La Cancion" 0540 7/13. Gave usual Apartado 70-26 addr. (Baskind)  
1000 COLOMBIA, Cartagena, HJAJ, good w/man in SS, Colombia business ads 0152 7/9. (Connolly, MA)

1000 DOMINICAN REPUBLIC, Dajabón, HHHG, "Este es ...R. Beler" ID hrd as I hesitated on freq to get a TC 1016 7/14. "En Dajabón" popped thru a moment later. (Baskind)

1005 COLOMBIA, Neiva, HJJR, R. Colosal, noted 0901 7/13 w/"R. Colosal...La Grande" ID. (Baskind, MS)

1040 COLOMBIA, Barranquilla, HJAI, Caracol ID 0528 7/16, fair sig u/bad QRM. (Baskind, MS)

1055 COLOMBIA, El Espinal, LV del Centro HJFZ, o/WNCE splatter 0553 7/10 w/HJ- dance mx, poor. (Baskind)

1070 COLOMBIA, Barranquilla, HJAG, Emis. Atlantico, loud ID & rapid QSB into HNL 0654 6/26. (Baskind, MS)

1070 VENEZUELA, Maracaibo, YVMA, "R. Zulia, la emisora con musica dalona(?)" 0750 7/17. (Baskind, MS)

1080 COLOMBIA, Cali, HJJF, IDed per Todelar chimes during KRLD/LVRD SP (hooray!) 0629 6/26. "Musica a la Campa" pgm began bottom-of-hour, geared to "man of the field". Odd...wouldn't most farmers already be asleep unless they're DXers? (Baskind, MS) (You'll understand when you get older. bp)

1090 GUATEMALA, Guatemala, TGZ, w/"Emis. Unidas de Guatemala" ID 0721 7/17, then taped "Romantica" promo, variants of which were played between each song. Had been unid for several weeks, hrd often when KAAV was off air. Few IDs. (Baskind, MS)

1090 PANAMA, Colón, HOL82, R. Libertad, w/ID, address twice, "Hora Oficial" TC 0758 7/17. KAAV SP. (Baskind, MS)

1100 ANTIGUA, St. John's, ZDK, good w/soul mx 0140 6/9. (Connolly, MA)  
+Poor w/rigs PSA/plug 0422 7/13. Has been in most evenings during the summer. (Baskind, MS)

1100 ? UNID, "Las venticinco minutos en R. Sacros" or similar hrd 0725 7/17. Wouldn't believe this is a new R. Sacros relay, as they're off at this time. (Baskind)

1110 ARGENTINA, Tucumán, LW7, R. Tucumán, hrd w/3-part, 30 sec stn promo 0320 7/14. Seemed to be composed of 3 SIDs, each containing a couple of Tucumán ments, separated by OM's comments. Final jingle ended w/a slow "Ra-dio Tu-cu-man" & was followed by an instant QSB u/HRIP. New country. (Baskind, MS) (Uh...yeah.bp)

1125 a? COSTA RICA, San José, TISRHB, Neil Diamond vocal poor-fair 0151 7/9. (Connolly, MA)

1142.3v CUBA, jammer at high level 0312 7/16. (Baskind, MS)

1165 ANTIGUA, St. John's, ORL, loud w/piano mx 0151 7/9. (Connolly, MA)  
+0120 7/10 w/EE religion, imposing sig in the clear. (Baskind, MS)

1180 COLOMBIA, Manizales, HJFX, carrying sports 0427 7/10. It seems Panamá was losing to Cuba right up until the last few minutes...no clear IDs during game... finally caught a Caracol mention during a tape replay next morning. (Baskind, MS)

1220 CUBA, Centra España, CMGA, R. Vientiseis, running R. Rebelde-produced pgm 0945 6/27. (Baskind, MS)

1220 t DOMINICAN REP., Santo Domingo, HIN, suspect this the one w/OM frequently repeating "Republica Dominicana" 0724 7/9, but nothing definite enough for positive ID. Very poor overall quality. (Baskind, MS)

1220 MEXICO, México, XEB, blasting well o/CJOC for a few minutes 7/18 0402-0409 w/ads & LA mx. (Harms, WA)

1250 HONDURAS, San Pedro Sula, HRO, R. Suyapa, dominant 0330 7/13 w/fast TC & ads. (Baskind, MS)

1270 ? COLOMBIA, unid 0444 7/17 hrd OM w/TC (fits Colombia), cuckoos, & possible Cartagena ment, not sure. Ideas anyone? (Baskind, MS)

1340 COLOMBIA, Rogotá, HJFB, "Cuarenta minutos en LV de la Sabana" o/miss 0640 7/19. Colombia dance mx followed. (Baskind, MS) (Oog... bp)

1370 COLOMBIA, Barranquilla, HJBO, R. Piloto, 0753 7/13 TC, jx, burglar alarm siren, & a R. Piloto ID by 2 OM's. No R. Mundial, HJKX, this time. (Baskind, MS)

1370 ? MEXICO, unid, "Johnny's Gotta Girlfriend" o/crud 0213 7/13 ala XEQR. Who? (Baskind, MS) (If I knew do you think I'd tell you?? bp)

1380 ? UNID, SS noted here 0905 6/26. Couldn't get DF due to mulling KGMS. Hrd several electronic whistles (one at a time), like XERPM used to use. Possibly same unid noted 7/3 0749 w/a 1:49 TC in SS. (Hall-Patch, BC) (51% sure it's XEQC. bp)

1390 MEXICO, Chihuahua, XEV, "R. Fiesta" ID noted 3 times 0915-0955 6/26. Played old US rock & uptempo LA stuff. Poor-fair sig w/CKKC off RS but w/TT. Hrd one 3 letter call ID, but too much QRM to interpret. (Hall-Patch, BC)  
+Noted 1025 6/26 w/boistrous mx, then "...Chihuahua, este es XEV, R. Fiesta, 1390 kHz...". Again, 1058 u/KKOA w/ment of Chihuahua, then "la música de R. Fiesta" ID. (Portzer, WA)

1390 MEXICO, Reynosa, XEOR, R. Gallito, poor-fair 0356 7/15 w/"Cuatro para la diez" TC, mx, promo asking listeners to tune in Mon, Tue, & Wed, for something or other, highly detailed ID top of hour. (Baskind)

1400 t CUBA, Florida, CMJI, "R. Cubaña" ("Cuban R.") hrd u/slop 0140 7/17, would guess this. (Baskind, MS)

1450 COLOMBIA, Santa Marta, HJPM, R. Galeón w/"DXers Delight" stn promo 0625 7/13 "En R. Galeón...Exitos! En R. Galeón...Carrismo! En R. Galeón...Música!" and so on. (Baskind, MS)

1470 MEXICO, México, XESM, 0940 5/26 fair w/CJVB OC. LA mx. Then extended jingle w/3 "R. Cinco" mentions. (Hall-Patch, BC)

1470 MEXICO, Parras, XEAY, call letter ID u/domestic & XESM 0231 7/13. Had always been a really poor freq up to this point. (Baskind, MS)

1500 COLOMBIA, Cali, HJLJ, R. Tigre, 1000 6/27 w/2-tone bell IS, shouted "Tigre!" ID & talk by OM. Pest XERH off for once. (Baskind, MS)

PACIFIC DX ROUNDUP

650 t HAWAII, Honolulu, KORL, presumably the pop mx u/WSM & electrical storm 7/18 0610. (Harms, WA)

655 N. KOREA, Pyongyang, in w/some weak audio, YL talking, hrd 1150 7/20. (Tomer, CA)

700 AUSTRALIA, Grafton, 2NR, fair 1155 7/20 w/BU accented EE talk, then some piano mx. (Tomer, CA)

740 SOCIETY ISLANDS, Papeete, R. Tahiti, weak-fair u/KCBS OC 0710 7/10 w/FF talk //15170 SW. (Tomer, CA)

780 NEW ZEALAND, Dunedin, 4YA, good sig w/jazz pgm & DU accented EE talk 1125 7/21. (Tomer, CA)

844 GILBERT ISLANDS, Tarawa, VSZL, this stn not hrd all during July, even when HI's & Fiji were in well. I wonder what gives? (Tomer, CA) (Dunno... bp)

891 FIJI, Suva, R. Fiji, fair w/non-EE pgm 0635 7/10. (Tomer, CA) (They're in Hindi whenever I hear 'em.bp)

891 ? UNID, fair carrier w/strong hot noted 1130 7/21. Fiji supposed to be off at 1100 so maybe someone else on this channel now. (Tomer, CA) (Fiji seems to leave its carrier on long after s/off for some reason. bp)

1210 HAWAII, Honolulu, KZOO, fair w/JJ pgm 0655 7/10.

1475 SABAH, Tuaran, RMKK, fair w/US pop mx 1137 7/21.

1525 t RUSFER, Khabarovsk, probably, some weak EZL-type mx hrd 1138 7/21. (Tomer, CA, last 3)

DOMESTIC MUMBLEFLORPZ ROUNDUP

965 a MS, Greenwood, WABG, known as a drifter around here but noted a full 5 kHz off freq 7/19 0145. EE soul. Thought I really had something. (Thomas, FL)

1380 NY, New York, WBKX, talk in SS by OM. Fair 0113 7/14. (Townshend, DC)

VERIFICATION

1190 S. KOREA, Seoul, HJKX, v/q w/full data via airmail in 97 days for mint stamps. Unreadable w/s. Colorful card. (Hardest, Okinawa)

CONDITIONS

+Short skip seems to be prevalent. LA cx not as good as during the super aurora of early May. LA cx remain poor - only the big guns making it across the pond, and at that, reception seems to be limited. SW listening, particularly to European SWBCers & commercial maritime service CW xmsns, has begun to consume a greater portion of my listening time. Still I keep an ear to MW, hoping for a big TA opening - hopefully by August one will materialize. (Connolly, MA)  
+MM 7/24 was fairly good for stns from the NE US, better than any time in the last 2 months. Not much in the way of foreign DX from anywhere though. (Portzer, WA)

MISCELLANEOUS

Chris Baskind has the following amendments to loggings he submitted last month: 770- should have been "moog synthesizer" & "sound effects" instead of mood & wound, 840 Cuba was submitted as "Cuba, unid", but was listed under CMHW by bp (sorry 'bout that), 1250- "I take it back, Suyapa is not all talk", 1530-Cuban relay hasn't been hrd since he first logged it, 1205 Haiti should have been 1207, and whichever stn he reported hearing on 4/44 should have been 4/24. Not a bad track record considering the 5 pages of tips he sent in, hi.

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If you don't see a dip in the signal, either de-tune the loop, or out in your attenuator or RF gain to decrease the signal fed to the receiver from the loop, while rocking it back and forth to get a deep null (low 'S' meter reading).

Keep tilting and rotating until you get the deepest null on the 1450 signal possible. Go slowly! - It's sudden! At this point, your 1450 signal will sound like a severe selective fade, with little carrier left.

When you're satisfied with the null on 1450, tune your receiver to 1460 - and tune the loop to 1460 also, without moving it physically.

If, at this point, you have a station on 1460, slowly, slowly move the loop for best reception, tilting and rocking as necessary to rid yourself of the 1450 signal.

Another way to operate the loop is to peak everything to 1460, and slowly turn the loop around, without tilting it. While this works ok most of the time, it is less likely to work next to a strong local. On co-channel nulling, rotate the loop, and while rotating tilt to about 45 degrees, and you've a good chance to null offending co-channel signals. It is sometimes difficult to get a null on one of two stations operating on the same frequency. Best results are obtained if the stations are located at right angles from each other. This doesn't always hold true, however, and depends on what part of the signal you are trying to null.

So ends another DX Worldwide. The globe is back on the column heading this time (no tuxedo-clad birds I'm afraid); I was amazed at the number of comments I received on them. Hope to meet a lot of you at the convention. Some of the "new" faces I expect to see belong to Bill Harms, Rob Keeney, Susan Hall-Patch, and Kaskey junior. Sounds like a peculiar combination with just those four --- but it should be even more interesting with the rest of the motley crew thrown in, hi. Good DX in August. 73. bp.

The Old Radio Shop  
 "Using the loop"

-Grant Manning

The loop antenna is probably one of the most useful, but most easily misunderstood DX aids available.

To hunt for the rare TP, or TA, it's best that the receivers' EFO is turned on, and while slowly tuning up and down the band check all the zero-beats heard. When a zero-beat shows up where one hasn't before (exact frequency readout is nice here), simply peak both receiver and loop to that frequency, and rotate the loop (with no tilt) for best signal. Best hunting is done with a LW, unless you remember to peak the loop!

It won't, for example, log stations for you! Properly used, in conjunction with a long-wire, it will help log many stations you wouldn't otherwise hear.

Although it's possible to inductively couple a TRF or a similar transistor radio to a loop, you don't really take much advantage of the loops' capabilities when doing so. By holding the radio close to the loop, and tuning the loop to the same frequency the radio is on, it will greatly boost the radios' signal, which is what you'd expect. However, with the loop used this way, the loopstick inside the transistor radio pretty much negates all nulling properties of the external loop, and the loop amplifier need not be turned on.

So, since there are many loop owners that don't know some of the tricks, here are a few hints to make "looping" more advantageous.

With a shortwave loop (they are good to about 6 Mhz) its' gain is generally better than that of a good longwire, and the ability to null noise, makes it excellent for 60, 90, and 120 meter SWling.

To properly use a loop, you should have a well shielded receiver; this means with the antenna disconnected, you should not pick up any stations. What you pick up without an antenna, you can't null with a loop - with any loop. Your receiver should also have an 'S' meter.

On shortwave, unless you are near a local, it's difficult to null the skywave signals appreciably, and nulls are very broad. Works great for ham band DXing, as you can null 75 meter hams, for DX work.

It's always best to have another antenna to compare signals to - a standard, so to speak. A good idea for all DX shacks is a random length (25-100') of wire strung outside. When DXing, it's much easier to listen with the long wire first, get an idea of band conditions, and then switch to the loop for bringing your DX signal out of the mud.

Although this article only starts you on the way to becoming used to "looping", you should get the idea after some practice!

There are several ways to use your loop. Loops can "null" (decrease an unwanted signal - sometimes entirely, allowing same channel, or adjacent channel DX.

Good luck, and good DX!

Before using your loop, be sure your battery is fresh! More good DX has been lost to a dead battery than I'd like to think about. If you don't have a small VOM (volt-ohm meter), go and buy one, - inexpensive ones suitable for checking loop batteries are available from Radio Shack for under \$10. Check the battery under load, - that is, with the loop on, (best if it's been on for a few minutes). Correct battery voltage is 8-9V for a 9V battery. [AC adaptors, while eliminating the battery, have been found to introduce much AC line noise and distort the loop pattern. Batteries remain the best bet.]

Kanadian Korner...Knews From "The Frozen North"!  
 August 1, 1978

- 570 ON CHYM Kitchener gets the OK for 10kw. Days.
- 600 SK CFQC Saskatoon gets the OK for 10kw. D & N.
- 610 BC CHNL Iamloops gets the OK for 25kw. Days.
- 620 SK CKCK Regina gets the OK for 10kw. D & N.
- 730 BC C...Vernon CA denied...see 1050.
- 790 ON CFSO Sudbury will drop all CBC network.
- 800 ON CJBQ Belleville gets a twin! See 1270.
- 900 ON CFBR Sudbury drops all CBC network.
- 900 PQ CJBR Rimouski (and twin CJBM 1450) are now owned by the CBC. Watch for the death of both...to become relayers of CBGA 1250.
- 910 AB CJDV Drumheller gets 10kw. D & N.
- 980 ON GFPL London drops all CBC network.
- 1050 BC C Vernon gets OK for 10/1kw U2.
- 1150 MB CKX Brandon wants to drop all CBC.
- 1150 ON CKOC Hamilton gets OK for 50kw. D & N.
- 1220 ON CHSC St. Catharines gets OK for 10kw. D & N.
- 1270 ON C Trenton will twin CJEQ 800 40% of sked.
- 1270 AB CHAT Medicine Hat wants to drop all CBC.
- 1400 PQ CKSJ St.-Jovite gets OK for 1kw. Days.
- 1450 PQ CJBM Causapsal... see CJBR 900
- 1460 AB CJMH Medicine Hat simply relays CBR 1010 Calgary. It's owned by CHAT 1270, who, in my opinion, have wasted a frequency just to rid themselves of having to carry the CBC. CBR well covers "the Hat".

Now contemplate your loop. It's meant to be used with gobs of patience and lots of love. Move it slowly - it's an instrument. Handle it gently - you just won't get anywhere whipping it around. Learn to watch your receivers 'S' meter for quick dips in the signal as you rotate thru the null.

Another silly example of the same waste is CHFG 1490.

Your loop will null in both the horizontal, and vertical planes. That is it will null as you turn it around, and null deeper as you tilt it, from horizontal to 90 degrees, (the opposite for box loops.) Remember, that metal can re-radiate RF signal, so you want to locate your loop as far away from nearby metal objects as possible, this includes your receiver. The loop will also pick up light dimmers, digital displays, counters, etc., so if you hear a strange noise when attempting to null, figure out what it is that's causing the interference and shut it off.

All the latest CBC lprt expansions are going to FM.

If you are attempting to listen to a station on 1460 Khz, thru a strong local on 1450, you could try to log 1460 in the following manner.

First, put a null on your 1450 signal. Slowly rotate the loop 360 degrees, and watch the 'S' meter. You will have two points of null, one much deeper than the other - use the deeper one to work with.

93 10  
 John Oldfield

August 5, 1978...Page 567

# REFLECTIONS

MEDIUM WAVE PROPAGATION

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Chula Vista, CA 92011

## INTRODUCTION

As a result of the many comments, questions, and opinions concerning medium wave ionospheric propagation in recent issues of *DX Monitor*, I proposed, and the Board of Directors approved, the formation of this column. I believe that there is sufficient member interest to warrant a propagation column appearing on a semi-regular basis; my goals are to publish one or two pages in eight to ten installments per year.

Why me? What are my credentials and background that qualify me to edit a propagation column? My profession is engineering, specializing in aerodynamics, with a broad background in mathematics and physics. My hobby is DXing, especially foreign, long-distance MW DXing, and I've been enjoying my hobby for 16 years. For the last three years, I've been studying radio wave propagation rather intensively, as my work and home schedules permit, with an emphasis on the medium waves. With my background in the sciences, a fairly logical and inquisitive mind, and an avid interest in DXing, I've been able to come to a fairly good understanding of how radio waves propagate through the ionosphere. Over the last year I've been writing several articles on medium wave ionospheric propagation, the first of which should appear in this issue of *DX Monitor*.

I want to emphasize that I am not an expert in propagation theory - it would take many years of devoted work and study to become a true expert capable of answering knowledgeably all questions. Rather, I am familiar with the basic magnetoionic equations and theory, with the macroscopic variations (hourly, daily, monthly, yearly) of the ionosphere that affect radio wave refraction and absorption, and the significant effects of the Earth's magnetic field on radio wave propagation. To augment and expand this knowledge, I have been using a state-of-the-art computer program to trace ray paths from a transmitter through a model ionosphere to a receiver; I will be using data generated by this program to enhance my presentations in this column.

## GOALS

My goals for this column are threefold:

- 1) Provide a column for the members to learn the fundamentals of radio wave propagation, with a special emphasis on medium wave ionospheric (skywave) propagation.
- 2) Provide a column wherein propagation research, in the form of DXer gathered data both present and historical, can be initiated, coordinated, and reported upon.
- 3) Provide a forum for the members to ask questions about medium wave propagation, and to receive relatively concise and understandable answers with a minimum of equations and technical terms.

In future columns, I will be discussing some of the fundamental aspects of propagation, such as ionospheric reflection/refraction, ionospheric absorption, etc. Other topics to be considered will include the auroral zone, the so-called midwinter anomaly, signal strength estimation, geomagnetic indices, etc. I urge the members to review the available DX club literature concerning MW propagation; consult the IRCA and NRC reprint lists for the many articles written previously. Interested members can check their local libraries for the many books that have been published on radio wave propagation. One of the best books for those that don't want to deal with equations is Sun, Earth and Radio, by J.A. Ratcliffe. Of a more technical nature, the books by K. Davies, Ionospheric Radio Propagation and Ionospheric Radio Waves are excellent. The better encyclopediae (e.g. the Britannica) have excellent summary articles (look under Aurora, Ionosphere, Refraction, Radio Waves, etc.).

This column will not be used as a clearing house for member's articles. If you write an article on propagation, you don't have to pass it by me. However, submission of a preliminary copy of an article to several members with a knowledge of propagation can be beneficial; I have submitted my recent articles to 8 or 10 DXers in the last year for critical review, resulting in improvements in content and presentation, and would encourage others to do the same.

I would appreciate it if the members would submit questions concerning propagation to me at their convenience. What do you want or need to know? Don't hesitate to ask "simple" or "technical" questions. I will attempt to answer all questions; if I can't, I will let you know why. I will occasionally publish a question and answer column.

## PROPAGATION RESEARCH

I would like to propose that a coordinated effort be made to improve our knowledge and data concerning the frequency and quality of long-distance MW propagation. I have been gathering data from my own DX activity, and I encourage others to do the same. Some of my efforts over the last six months have been:

- 1) Regular Survey of Long-Distance Open Paths - In early 1978 I enlisted several West Coast DXers to observe

the reception quality of selected stations on open transmission paths (i.e., a darkness path, the station is scheduled to be on, and the frequency is clear and free of interference) on a regular basis (e.g., whenever the DXer passes the frequency in question). For determining relative signal strengths, I suggested the following subjective scale:

- S 0 - signal not detectable
- S 1 - noticeable carrier or detectable BFO
- S 2 - weak audio, not intelligible
- S 3 - fair audio, language detectable, but only partially intelligible
- S 4 - good audio, intelligible
- S 5 - excellent audio, perfectly readable.

The stations I've selected for my own survey work are Freetown-1205, Conakry-1403, Surinam-725, Guayaquil-995, Naiva-1005, Tarawa-844, Canton-1385, Pyongyang-655, Osaka-830, Sabah-1475, and Indonesia on 864, 1053 and 1134 Khz. These targets may change or be expanded when the frequency shifts occur later this year. If you wish to take part in this effort, select your target stations, based on the criteria outlined above, and let me know what your targets are. This need not interfere with your regular DXing. In fact, it may enhance your DXing by indicating openings to the geographic areas you are receiving.

It is just as important to note when the signal is not heard as it is to note when, and at what level, the signal is heard. As an example, here is a sample log of mine on Conakry-1403:

2/21/78	0527 Z	S 0	2/25/78	0520	S 3
2/23/78	0444	S 1		0526	S 2
	0445	S 2		0554	S 2
	0456	S 1		0600	S 3
	0505	S 2	2/27/78	0524	S 1
2/24/78	0453	S 0			
	0503	S 1			

From records such as this, taken over one DX season, or several seasons, we could determine how often readable, useful audio is obtained in a particular location from each area. For instance, "Conakry-1403 can be received in San Diego 75% of the nights with a detectable signal and 10% of the nights with readable audio", or somesuch.

- 2) Nightly Survey of Clear Channel Signal Strengths - During the months of January through March of 1978, I attempted to survey the available clear channels each night and logged the relative signal strengths of WSM-650, XERPM-660, XEX-730, WABP-820, WCCQ-830, Belize-834, WHAS-840, WJL-870, WRVN-880, WLS-890, KOMO-1000, KTW0-1030, WHO-1040, W0AI-1200, and XEB-1220; this was done at approximately the same time each evening and typically took 15 to 30 minutes. I also noted the Boulder A Index and K index for the day and time in question, so that an attempt at correlation of the reception data with the geomagnetic indices could be made. A comparison of data gathered on the same station by DXers in different parts of the country could be useful and interesting. Sounds rather tame, I



agree, but these observations could be used to predict auroral conditions or to determine long-distance DX possibilities. Again, just having the radio on nearly every night for a short period of time might lead to some DX catches.

- 3) Signal Fading Characteristics - On several occasions I have noted the relative signal strength of certain stations at 10 or 15 second intervals over a period of 30 to 60 minutes in order to observe selective fading or interference characteristics. The minute-to-minute signal strength variation of powerful domestic stations can be great enough to permit other signals to sneak in. The logging of clear long-distance foreign stations (e.g. Tarawa-844 on the WC or Conakry-1403 on the East Coast) for 30 to 60 minutes might provide data concerning fading that would be quite useful; if done by several DXers at different locations, the data might be very interesting.

There are other projects, such as gathering data on West Coast reception of Europe (and European reception of WCNB), that might be attempted. If you have any suggestions, send them to me. If you would like to participate, either independently or as part of a simultaneous listening effort, in the gathering of reception data, let me know what you are going to do so that we can have some coordination in the overall effort.

#### FADEOUT

In closing, I would like to ask each of you to send me your questions on medium wave propagation, to volunteer to help on the various research projects, and, most of all, to DX and report what you hear.

73's de RJS

TIJUANA TIDBITS - A COUPLE (From 7/10/78 Broad-  
OF ITEMS FROM THE BORDER casting, used by  
permission:)

In July, the FCC upheld a decision by its Review Board that would deny Tijuana station XEGM-950 permission to deliver programs by wire from XEGM's Los Angeles studios to the transmitter site in Mexico. Such programming constitutes about 16 hours of each XEGM broadcast day, including live programming such as Dodger baseball games in Spanish. (The initial decision came in October 1977; see the newspaper clipping on p. 103, 11/5/77 DXM.)

Unless Adolfo and Elias Liberman decide to appeal the decision, XEGM will have to resort to recorded programming via cassettes and/or reel-to-reel tapes, such as is done by most Mexican border stations with U.S. audiences. Section 325(b) of the Communications Act of 1934, as amended, prohibits delivery of programming from the U.S. to a foreign station that can be heard regularly in the U.S., unless the FCC approves. However, back in 1937, a Federal Circuit Court of Appeals ruled that hand-delivery of materials into Mexico for broadcast to the U.S. did not violate Section 325(b). So, FCC approval is not required for taped programming, but is still required for live broadcasts (such as by network or telephone line). XEGM has had such a permit from the FCC since 1970, but this authority will not be continued if the FCC action stands unchallenged.

The FCC action comes as a result of complaints from Los Angeles stations, including KHJ-930 and KFWB-980, which have both reported interference to their 5kw fulltime signals, in Los Angeles, from the Tijuana station on 950, at a distance of some 100 miles! XEGM uses 10kw daytime, 5kw nighttime, and 25kw during Dodger baseball, trying to reach Los Angeles.

Another item of interest from Tijuana, although it involves FM more than AM, is that a group of San Diego broadcasters is trying to force a new FM station in Tijuana, XETRA-FM, to get FCC approval before airing material prepared in the U.S. XETRA-690, 50kw fulltime "beautiful music" station, uses material taped in the U.S. and shipped across the border, and XETRA-FM plans to do the same, thus avoiding problems with Section 325(b). However, the San Diego stations complain that U.S. and Mexican FM stations near the border are supposed to provide effective programming for nationals within their own borders, under terms of a 1973 agreement between the two nations. XETRA-FM is supposed to program to the 12-to-34 age market, meaning probably top 40 or album rock. XETRA-AM is supposed to keep its present format, but if the FM suddenly sweeps the ratings, watch out! --BH.



## the irca technical column

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I did say the column wouldn't be back until September, but here are some more tidbits on Yaesu FRG-7000 which couldn't wait, as I have contributions from E.H. Grossman and Gerry Thomas already in the holding pattern. I met the FRG-7000 in person last month, and Grant Manning and Bruce Portzer have also sent in a bit more info. Observations:

- 1) the receiver does not feature the FRG-7's switchable audio filter. The control does give a good variation from bass to treble, but personally I prefer the filter.
- 2) the FRG-7000 can't be run from batteries, which is a drawback for some. Both the frequency and time displays can be switched off to conserve power, so a battery adaptor would be feasible. Radio West is planning such an adaptor.
- 3) AM selectivity is the same width as the FRG-7's. The SSB filter can apparently be modified to remove the BFO but gives only slightly sharper selectivity in practice.
- 4) Grant feels that the tuning is not quite as straightforward as the FRG-7 and that the frequency readout may be a bit slow.
- 5) Essentially this is a FRG-7 with frequency readout and a clock.

6) Price--some outfits offer the FRG-7 below list price. The same outfits may give better than list on the 7000. Shop around. In Canada, it's (gasp!) 749 Canuck bucks, compared to \$585 in the U.S.

Yes, it is pretty, but you will have to decide whether it's worth the cost. The FRG-7000 that I tried tended to overload near my locals with a mere 10 foot wire strung up to the ceiling of the store. The attenuator removed the spurs, but weakened the "DX". Couldn't even hear KBLE-1050 which is audible under CFAX-1070 splatter on the TRF. A loop would probably help. Yours in transfiguration...  
Nick

VIDEO AUDIO? Here's an item from "Closed Circuit" in the 7/3/78 Broadcasting, used by permission:

"In development is technique to display radio station call letters visually on radio set dial. It's idea of Jerry Lee, WDVR(FM) Philadelphia, developed in conjunction with Chris Payne, of NAB engineering department. At least one set manufacturer, Panasonic, has expressed eagerness to pursue idea.

"Concept begins with broadcaster's continuous transmission of call sign as digital signal via AM or FM subcarrier or offset. Receiving set would identify call with each signal it picks up, and display sequence of calls as listener tunes across dial. Move is considered logical extension of digital frequency read-outs now appearing in top-of-line radio sets."

Comment: Sounds far out, but will it ever really materialize? Odds are that if the FCC approves the idea, they'll make it optional (like FM stereo is now), and even today, after 17 years of FM stereo, there are still many small monaural FM stations! You won't see too many broadcasters shelling out a few hundred (or thousand) bucks for a piece of gear that simply lights up a gadget on someone's \$1000 sound system! Odds are that more big-city broadcasters would adopt the system than would small-town stations ("our listeners already know where we are on the dial anyway" would be a typical comment). Besides, who gets to choose the content of the digital signal, the FCC or the station? In other words, would KTNQ-1020 want to be "10-Q" rather than KTNQ, and would WKQT-1320 prefer "13-Q" to WKQT? Since those two stations avoid using their call signs, why would they transmit them onto a listener's digital readout? Or, if slogans were permitted, what good would it do a station on 1230 to transmit "Radio 1-2-3" when the frequency readout says "1230" anyway? Finally, such a system would probably not really help us DXers ID a station, unless it were quite strong in the first place. It could perhaps pinpoint an unID TT with a good-to-strong signal, but most DX signals will be so weak in the first place that the even weaker digital signal wouldn't survive the distance. --BH.

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### Mobilizing the SPR-4 Receiver

Because of its relatively small size (5.5H x 10.75W x 12.25D in., or 13.97H x 27.30W x 31.13D cm.) and light weight (18 lbs., or 6.7 kg.), the Drake SPR-4 is an ideal candidate for mobile and portable MW DXing. It does have some shortcomings, however, that should be compensated before its full potential can be used.

First, the SPR-4 input impedance presents a considerable mismatch to the typical automobile MW whip antenna, especially when the SPR-4 is operated in the 500-1000 kHz band. This limits the useable sensitivity when the SPR-4 is used with the automobile MW whip. Second, the SPR-4 suffers a drop in gain, and some loss in sensitivity, when operated from 12-V automotive power. This problem may not be common to all serial numbers of the SPR-4, but mine (SN 060) has it, and it is probably present in higher serial numbers. Uncompensated, these make an SPR-4 unuseable for portable or mobile MW DXing.

To compensate for the first problem, I took some time to design a small antenna tuning unit (ATU), to provide an impedance match between the SPR-4 and our 1963 Buick's 4-foot whip. The schematic of the ATU, along with a parts list showing corresponding Radio Shack (Radio Shack) stock numbers, is shown in figure 1.

In building the ATU, no particular care is required. The interconnecting leads between the components should be held to minimal lengths, to prevent RFI pick-up. I chose a plastic box for the enclosure for the ATU because a small metal enclosure would, in close proximity to L1 and L2, act as a shorted turn around them, and enormously affect their Qs and inductances. A larger, metal enclosure would be useful to further reduce RFI. L1 and L2 should be separated by about 3 times a single coil diameter, to prevent intercoupling (but, if properly phased, this coupling will not be detrimental to the operation of the ATU; however, it may make it difficult to get a full tuning spread from 1000 to 1600 kHz).

In initially tuning up the ATU, begin at 540 kHz, fully mesh C2, open S1, and tune L2 for a maximum SPR-4 response to a station at 540 kHz. With the SPR-4 tuned to a station at 1000 kHz on the 500-1000 kHz band, it should be possible to discern a peak in the SPR-4 response as C2 is rotated. Then retune the SPR-4 to a station at 1000 kHz on the 1000-1500 kHz band, remesh C2, close S1, and tune L1 for peak SPR-4 response. Retune the SPR-4 to a station on 1600 kHz, and tune C2 for a peak in the SPR-4 response. It is important that the SPR-4 be tuned to the 500-1000 kHz band for setting up L2, and to the 1000-1500 kHz band for setting up L1, as there is a wide disparity between the SPR-4 input impedances in the 1000-1500 kHz band and the 500-1000 kHz band. After initial ATU tuneup, if you find that you cannot achieve resonance at both ends of each band, experiment with the value of C1. While C1 affects the matching into and out of the ATU, it can be varied considerably in value (and even eliminated in some instances) with only minimal effect on SPR-4 performance. As a matter of fact, you should play with the value to optimize performance. In general, for a shorter antenna whip, increase the value of C1; and vice-versa.

If you are so lucky (unlucky?) as to have a CB whip, give it a try with the ATU. The greater height of the bumper-mount type ought to be useful.

Having suffered with the second problem of the SPR-4 several times, I investigated to determine the cause. The nominal B+ voltage that supplies the entire circuitry of the SPR-4, is a nominal, regulated 12 volts, according to the instruction manual. Therefore, there ought to be compatibility with automotive power. In fact, it was found that this B+ voltage was about 15 volts. This is evidently a factory modification. My own thoughts are that this revision was made to increase the gain and sensitivity of the SPR-4. Unfortunately, it doesn't yield commensurate mobile performance.

Rather than undertake extensive modification of the SPR-4 circuitry, in order to improve its performance with a 12-V supply, two alternatives were considered: 1. Use an inverter (12-V DC to 117-V AC); 2. Use a

separate, 15-V battery to power the SPR-4. I chose the former alternative, since I already have a Heath MP-10 inverter.

Another minor problem became evident when measuring voltages in the SPR-4 power supply: The SPR-4 power supply voltage, before regulation, is only about 16.5 volts when the SPR-4 is operated from 120-V AC. There is little headroom between that and the regulated output of 15 volts, and one can anticipate problems with the power supply breaking regulation when operating the SPR-4 from AC mains whose voltage is low (below about 115-V AC). I had this problem when using the Heath MP-10, whose output is squarewave, forcing the use of an autotransformer to boost the voltage back to 120-V AC. Since there is plenty of above-chassis free space within the SPR-4, it would be worthwhile to replace the power transformer with a center-tapped one capable of supplying about 20-V AC to center tap. This will not solve the problem of low gain and sensitivity experienced when operating the SPR-4 directly from 12-V DC, however.

A D-C power cord, which mates with the SPR-4 at one end, and with the cigarette (hawf-kawf) lighter outlet of an automobile, at the other; is available from the R.L. Drake Company, 540 Richard Street, Miamisburg, Ohio 45342, for about \$5.00 (in 1977). The part number of this cord is 1001229.

It might be noted here that the SPR-4 seems to match the automobile MW whip antenna well on SWBC bands, yielding good results.

When using the SPR-4 in portable mode, outside an automobile or aboard a boat, for example, excellent reception can be attained by using a good, amplified loop (such as the Worcester SM-2, the Palomar, or the Radio West models). Even when operated from 12-V DC directly, good results can be attained.

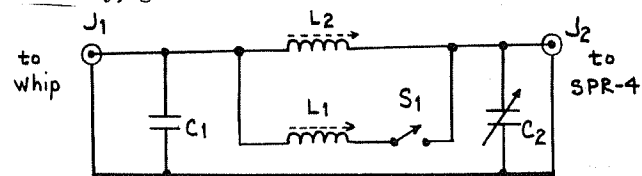


fig. 1 Antenna tuning unit.

- C1 220 pF mica capacitor
- C2 RS 272-1431 35-365 pF variable capacitor
- J1 RS 274-712 Motorola-type jack
- J2 RS 274-346 RCA-type phono jack
- L1 RS 270-1430 250 uH (max.) variable inductor
- L2 (as L1)
- S1 RS 275-612 single-pole, single-throw toggle switch

- miscellaneous:
- enclosure, bakelite, with metal cover RS-231
  - knob, bakelite RS 274-407
  - hardware; screws RS 64-3003 6-32x $\frac{1}{4}$ "
  - nuts RS 64-3007 6-32,
  - washers RS 64-3009 #6 flat

Hi Fellas:

A couple of corrections to an otherwise fine loop article, (I think Mike had old literature)

The loop (any frequency) is \$95.00 You get one coil with every loop.  
Longwave coil \$10.00  
Medium wave coil 9.00  
Shortwave coil 8.00

The coils, not the heads (as in the Palomar) are changeable.

The loop itself is actually six rods, making a total of 15" of ferrite.

Ought to have an in depth review of the FRG-7000 shortly. We have one coming next week. Schematic looks almost identical to the FRG-7, with the exception of what has been added, like the display and the clock. Since the advertising I now have on it is entirely in Japanese, it will be awhile before List in Japan is \$450. or so. One big disadvantage already noted is the lack of battery operation. You can't take it to Big Sur with you!

Far East DX Review, via Glenn Hauser  
 NEW CHANNEL PLAN FOR PHILIPPINES' MW STATIONS:

This new channel list will be effective from 23rd Nov., 1978. It's sponsored by MASUMOTO, Kimio, in Yokohama.  
 ( ) : Present ones.

Freq. (kHz)	Power(kW)	Call	Name and state name	Freq. (kHz)	Power(kW)	Call	Name and state name
540( 540)	10( 10)	DZWT	Mt Province Bctg, Benguet.	873( 890)	1( 1)	DXRT	Nation Bctg Corp., Sulu.
540( 540)	5( 5)	DYRB	Allied Bctg Center, Cebu.	882( 860)	50( 50)	DWRV	Radio Veritas, Manila.
549( 560)	5( 5)	DXEI	CWO, Zamboanga S.	891( 840)	10( 10)	DYSR	NCCP, Negros Cr.
558( 830)	10( 10)	DZCA	Office of Civil Defence, Manila.	900( 870)	1( 1)	DZBT	Luzonian College, Batangas.
558( 550)	1( 1)	DYCH	DND(NCDA), Leyte.	900( 770)	1( 1)	DZJC	Manila Bctg Co, Ilocos N.
567( 570)	1( 2.5)	DZAG	Voice of Philippines, La Union.	900( - )	- ( 5)	DWRP	NIA, Nueva Ecija.
567( 560)	- ( 5)	DXCP	CWO, Davao N.	900( 950)	- ( 5)	DXRZ	UMBN, Zamboanga.
576( 640)	1( 1)	DZYZ	National Bctg Corp, Zambales.	918( 920)	50( 50)	DZRP	NMFC, Manila.
576( 570)	10( 1)	DYDY	BBC, Cebu.	936(1120)	1( 1)	DZXT	Filipinas Bctg Net., Tarlac.
585( 600)	1( 1)	DZVV	Northern Bctg Co., Iloilo Sur.	936( 910)	1( 1)	DYKW	RPN, Negros Occ.
585( 550)	- ( 1)	DYCI	Bureau of Broad., Iloilo.	936( 860)	- ( 1)	DYOG	Ruta Bctg, Samar West.
594( 580)	10( 10)	DZBB	GMA R/TV Arts, Manila.	936( 900)	10( 10)	DXUM	Mt Apo Science Found., Davao S.
594( 540)	2.5( 2.5)	DXBB	CWO, Bukidnon.	945(1010)	1( 1)	DYRO	Allied Bctg Center, Capiz.
603( - )	10( - )	-	- , Zamboanga.	945( 940)	5( 5)	DXRO	Nation Bctg Corp., Maguindanao.
612( 590)	10( 1)	DWHB	RMN, Benguet.	954( 940)	10( 15)	DWAW	United Bctg Net., Manila.
612( 600)	5( 5)	DYHP	RMN, Cebu.	954( 750)	1( 1)	DXRI	Nation Bctg Corp, Lanao N.
621( 690)	1( 1)	DZTG	RPN, Cagayan.	963(1020)	10( 5)	DYSS	GMAR/TV Arts, Cebu.
621( 660)	5( 5)	DZHN	RMN, Camarines S.	963( 980)	5( 5)	DXYZ	Nation Bctg Corp, Zamboanga S.
621( 590)	5( 5)	DXDC	RMN, Davao S.	972( 880)	1( 1)	DWKS	Canamor Bctg, Laguna.
630( 620)	50( 50)	DWWW	RPN, Manila.	972( 950)	5( 5)	DXMO	UMBN, Misamis Cr.
639( 630)	1( 1)	DZRL	RPN, Ilocos N.	981(1010)	5( 5)	DZRD	Nation Bctg Corp, Pangasinan.
639( 630)	5( 5)	DYRG	Cadiz Edo/TV Net, Negros Occ.	981( 870)	5( 5)	DYBQ	BBC, Negros Occ.
648( 730)	1( 1)	DZRL	ACWS, Batangas.	981( 930)	5( 5)	DXER	Eastern Bctg, Davao S.
648( 610)	5( 1)	DXMB	Ruta Bctg, Bukidnon.	990( 980)	10( 10)	DWRT	Trans Radio Bctg Net, Manila.
657( 640)	1( 1)	DXXC	Vanguard Rdo Net, La Union.	999(1510)	5( 1)	DZEQ	Bureau of Broad., Banguet.
657( 650)	1( 1)	DYFL	Eastern Bctg System, Samar East.	999(1000)	1( 1)	DXHP	RMN Surigao S.
657( 550)	- ( 5)	DXDD	CWO, Misamis Occ.	1008(1010)	100( 100)	DXXX	RPN, Zamboanga S.
666( 650)	10( 10)	DZRH	MBC, Manila.	1017(1040)	5( 5)	DWDW	BBC, Pangasinan.
666( 640)	10( 1)	DXWW	BBC, Davao S.	1017(1020)	- ( 1)	DWCW	BBC, Quezon Prov.
675( 660)	5( 5)	DWLW	BBC, Ilocos N.	1017( 990)	5( 5)	DYRP	Allied Bctg Center, Iloilo.
675( 760)	5( 5)	DYNC	National Bctg Corp, Cebu.	1017( 980)	5( 5)	DXGE	Ernacruz, Davao S.
684( 690)	1( 1)	DWGW	BBC, Albay.	1017(1060)	1( 1)	DXKS	RPN, Surigao N.
684( 560)	1( 1)	DZCI	Cabanatuan Bctg, Nueva Ecija.	1026(1000)	10( 10)	DWXX	Hypersonic Bctg Center, Manila.
693( 740)	1( 1)	DZCV	Filipinas Bctg Net, Cagayan.	1026( 810)	1( 1)	DXBN	UMBN, Lanao N.
693( 740)	- ( 5)	DYWC	CWO, Negros Cr.	1035(1020)	10( 1)	DZWX	Northern Bctg Co., Benguet.
693( 630)	- ( 5)	DXBC	RMN, Agusan N.	1035(1340)	- ( 1)	DYFJ	Ruta Bctg, Antique.
693( 690)	1( 1)	DXDX	RPN, Cotabato S.	1035( 990)	5( 2)	DXCP	CWO, Cotabato S.
702( 680)	50( 50)	DZAS	FEBC, Manila.	1044(1040)	5( 5)	DZDR	Northern Bctg Co., Camarines S.
711( 720)	1( 1)	DZYI	National Bctg Corp, Isabela.	1044(1040)	1( 1)	DYMS	Manila Bctg Co., Samar West.
711( 730)	1( 1)	DYBR	East Visayas Bctg, Leyte.	1044(1040)	1( 1)	DXML	Rural Electrification, Davao S.
711( 670)	5( 5)	DXRD	National Bctg Corp, Davao S.	1044(1050)	5( 5)	DXLL	Lopez & Sons, Zamboanga S.
711( 720)	- ( 1)	DXIC	RMN, Lanao N.	1053(1060)	5( 5)	DZVR	Northern Bctg Co., Ilocos N.
720( 700)	- ( 1)	DZLU	Northern Bctg Co., La Union.	1053(1150)	5( 5)	DZEL	Eagle Bctg Corp., Quezon Prov.
720( 770)	5( 5)	DZJO	Bayanihan Bctg Corp, Quezon Prov.	1053(1050)	1( 1)	DYSA	U of Sam Agustin, Iloilo.
720( 690)	5( 5)	DYZZ	Manila Bctg Co. Negros Occ.	1053(1060)	1( 1)	DXKD	RPN, Zamboanga N.
729( 720)	1( 1)	DZGB	People's Bctg Corp, Albay.	1062(1060)	5( 5)	DXKI	FEBC, Cotabato S.
729( 650)	5( 1)	DXOR	Pedro N Roa Bctg, Misamis Cr.	1071(1030)	1( 1)	DYXT	Universal Bctg, Bohol.
738( 710)	50( 10)	DPI-1	Bureau of Broad., Manila.	1071(1070)	1( 1)	DXKT	RPN, Davao S.
747( 720)	1( 1)	DYHB	RMN, Negros Occ.	1080(1080)	5( 5)	DWIN	Eagle Bctg Corp., Pangasinan.
747( 730)	- ( 1)	DXND	Notre Dame Bctg, Cotabato N.	1080(1010)	1( 1)	DXSN	CWO, Surigao N.
756( 730)	- ( 1)	DWEN	BBC, Benguet.	1089(1110)	5( 1)	DYHR	Hypersonic Bctg Cen., Samar West.
756( 750)	5( 5)	DWNW	BBC, Camarines S.	1089(1090)	5( 5)	DXCM	UMBN, Maguindanao.
756( 770)	1( 2)	DWHL	Beta Bctg, Zambales.	1098(1080)	10( 10)	DWAD	Crusaders Bctg System, Manila.
756( 680)	1( 1)	DXJM	Pacific Bctg, Agusan N.	1107(1280)	1( 1)	DYRI	Ruta Bctg, Iloilo.
765( 780)	5( 1)	DZYT	Nation Bctg Corp, Cagayan.	1107(1100)	1( 1)	DXUL	Audience Inc., Davao S.
765( 820)	5( 5)	DYRE	Eastern Bctg Corp, Cebu.	1116(1110)	5( 3)	DZLF	Ilocandia R/TV Net., Ilocos N.
765( 750)	1( 1)	DXGS	Filipinas Bctg, Cotabato S.	1116(1210)	5( 5)	DZLB	UP, Los Banos, Laguna.
774( 740)	10( 10)	DZEM	Mareco Inc., Manila.	1116(1090)	1( 1)	DYTR	Doroteo Toledo Sr.
774(1190)	1( 1)	DXSO	Bureau of Broad., Lanao S.	1125(1390)	- ( 1)	DWAS	FEBC, Albay.
783( 750)	1( 1)	DZNL	Radio Nalinac, La Union.	1125(1170)	5( 5)	DZWN	Northern Bctg Co., Pangasinan.
783( 770)	1( 1)	DYPR	Palawan Bctg, Palawan.	1125(1430)	1( 1)	DXAS	FEBC, Sulu.
783( 810)	1( 1)	DYME	Masbate Enterprises, Masbate.	1134(1120)	- ( 1)	DYRM	Allied Bctg Center, Negros Cr.
783( 710)	10( 10)	DXRA	RMC Bctg, Davao S.	1143(1140)	100( 100)	DWVA	Voice of America, La Union.
792( 790)	1( 1)	DZAB	Angeles Bctg, Pampanga.	1143(1170)	- ( 1)	DXMV	UMBN, Maguindanao.
792( 770)	1( 1)	DYRR	Ormoc Bctg, Leyte.	1152(1310)	- ( 5)	DYII	Rajah Bctg, Iloilo.
801( 840)	1( 1)	DZNC	Northern Bctg Co., Isabela.	1161(1220)	1( 1)	DZMD	People's Bctg Net., Camarines N.
801( 800)	1( 1)	DYFA	Hypersonic Bctg, Sorsogon.	1161(1150)	1( 1)	DYRD	Bohol Chronicle, Bohol.
801( 820)	1( 1)	DYKA	CWO, Antique.	1161(1160)	1( 1)	DXDS	UMBN, Davao S.
801( 770)	1( 1)	DXMZ	UMBN, Cotabato S.	1170(1130)	10( 10)	DZHP	RMN, Manila.
801( 800)	1( 1)	DXBL	Nation Bctg Corp., Surigao S.	1179( - )	60( - )	-	- NMPC, Maguindanao.
810( 780)	10( 10)	DZRJ	Rajah Bctg Network, Manila.	1188(1240)	1( 1)	DZKO	Vanguard Radio Net., Nueva Ecija.
819( 790)	1( 1)	DYVL	Manila Bctg Co., Leyte.	1188(1240)	1( 5)	DZLT	Luzonian colleges, Quezon Prov.
819( 740)	5( 5)	DXMC	UMBN, Davao S.	1188(1220)	- ( 1)	DYRV	RCPI, Samar West.
828( 820)	1( 1)	DWZR	Hypersonic Bctg Net., Albay.	1197(1200)	5( 5)	DYRH	Allied Bctg Center, Negros Occ.
828( 880)	5( 1)	DZTC	Nation Bctg Corp., Tarlac.	1197(1200)	5( 5)	DXFE	FEBC, Davao S.
828( 780)	- ( 10)	DXCC	RMN, Misamis Cr.	1206(1160)	10( 10)	DWVA	BBC, Manila.
837( 790)	5( 1)	DZXE	Fairwave Bctg, Ilocos Sur.	1206(1200)	1( 1)	DXRS	RMN, Surigao N.
837( 800)	5( 5)	DYFM	Northern Bctg Co., Iloilo.	1215(1180)	5( 5)	DYRF	CWO, Cebu.
837( 800)	1( 1)	DXRE	Nation Bctg Corp, Cotabato S.	1224(1210)	5( 5)	DZMQ	Bureau of Broad., Pangasinan.
846( 800)	10( 10)	DWIZ	Phil. Bctg Corp., Manila.	1224( 910)	- ( 1)	DXWG	BBC, Lanao N.
846( 880)	10( 10)	DXMS	Notre Dame Bctg, Maguindanao.	1224(1220)	1( 1)	DXSM	Bureau of Broad., Sulu.
855( 850)	5( 5)	DZGE	Filipinas Bctg Net, Camarines S.	1233(1250)	1( 1)	DYVS	FEBC, Negros Occ.
855( 850)	1( 1)	DXDN	UMBN, Davao N.	1233(1230)	5( 2.5)	DXSS	Southern Bctg., Davao S.
855( 700)	- ( 1)	DXCT	BBC, Misamis Cr.	1242(1190)	10( 10)	DWBL	FBS Radionetwork, Manila.
864( 810)	1( 1)	DZSP	Nation Bctg Corp, Laguna.	1242(1220)	5( 5)	DXSY	Time Bctg Corp, Misamis Occ.
864( 900)	5( 5)	DYRC	Cebu Bctg Co., Cebu.	1251(1320)	- ( 1)	DWSI	Nation Bctg Corp., Isabela.
873( 890)	5( 1)	DZPA	CWO, Abra.	1251(1250)	1( 1)	DZMS	People's Bctg Net, Sorsogon.
873( 890)	- ( 5)	DZRC	Filipinas Bctg Net, Albay.	1251(1230)	1( 1)	DXCB	Marrakesh Bctg, Agusan S.
873( 830)	1( 1)	DXRB	Nation Bctg Corp., Agusan N.	1260(1260)	1( 1)	DWMC	Magili Community Bctg, Pangasinan.
				1260(1240)	5( 5)	DYUL	RPN, Cebu.
				1269(1270)	5( 5)	DZVX	Northern Bctg Co. Comarines N.
				1269(1350)	- ( 5)	DXRP	Bureau of Broad., Davao S.
				1278( 960)	25( 10)	DPI-2	ditto , Manila.
				1287( 960)	20( - )	DPI-2	ditto , Pampanga.
				1305( - )	10( 10)	-	- NMPC, Ilocos N.

- 1305(1260) 5( 5) DYKC RPN, Cebu.
- 1314(1230) 10( 1) DLSA Delta Bctg System, Manila.
- 1314(1300) -( 10) DXRH Manila Bctg Co. Davao S.
- 1323(1440) 5( 1) DYOC GMA R/TV Arts, Iloilo.
- 1332(1330) 1( 1) DZKI RPN, Camarines S.
- 1332(1300) 5( 3) DWAR Victory Bctg System, Nueva Ecija.
- 1332( 890) -( 5) - GMA R/TV Arts, Misamis Cr.
- 1341(1350) -( 1) DYYS Trans Radio Bctg, Isabel.
- 1341(1360) 1( 5) DYRL Sampaguita Bctg, Negros Occ.
- 1350(1250) 10( 10) DZKQ Mabuhay Bctg. System, Manila.
- 1359(1410) 1( 1) DYMR Bureau of Broad., Cebu.
- 1368(1290) -( 1) DWAM CWO, Batangas.
- 1368(1370) 1( 1) DZBS RPN, Benguet. /Catanduanes.
- 1368(1360) 1( 1) DZRA Catanduanes State College,
- 1368(1290) 1( 1) DXKO RPN, Misamis Cr.
- 1377(1370) 5( 2.5) DYVR Eric Friel, Capiz.
- 1377(1370) 10( 1) DXKP RPN, Zamboanga S.
- 1386(1280) 10( 10) DXKW IBC, Manila.
- 1386(1330) 5( 5) DXCR Mt View College, Bukidnon.
- 1395(1390) 1( 1) DZMG Vanguard Rdo Net., Nueva Vizcaya.
- 1404(1320) 1( 1) DWAY Guaranteed Bctg, Laguna.
- 1404(1420) -( 1) DZOR Zambales Bctg and Dev. Corp. Zambales.
- 1404(1390) 5( 5) DYKB RPN, Negros Occ.
- 1413(1410) 5( 5) DXHU Harvardian, Davao S.
- 1422(1360) 10( 10) DZEM Christian Bctg., Manila.
- 1431(1420) 5( 5) DYRS Vincente Ragde and Sons, Negros Occ.
- 1440(1440) 1( 1) DZOM OMARCO, Mindoro Cr.
- 1440(1420) -( 5) DZDL Insular Bctg System, Pangasinan.
- 1458(1470) 250( 250) DZOR FEBC/MMPC, Zambales.
- 1476(1420) -( 1) DWRB Ribbon Bctg, Batangas.
- 1476(1450) 1( 1) DYLV Western Service, Cebu.
- 1485( - ) 1( - ) - NMPC, Benguet.
- 1485(1480) 1( 1) DYKR Ruta Bctg, Aklan.
- 1494(1380) 10( 10) DWEE NCCP, Manila.
- 1494(1490) 1( 1) DXOC Filipinas Bctg Net, Misamis Occ.
- 1512(1490) 1( 1) DZYA Nation Bctg Corp, Panganga.
- 1512( - ) 1( - ) - Allied Bctg, Quezon Prov.
- 1512(1500) 5( 5) DYWB Northern Bctg Co., Negros Occ.
- 1530(1540) 10( 10) DWME Capitol Bctg Center, Manila.
- 1539(1530) 1( 1) DZYM Trans Radio Bctg, Mindro Occ.
- 1548(1100) -( 5) - Allied Bctg, Pangasinan.
- 1548(1550) 10( 10) DYLA Vincontu, Cebu.
- 1557(1350) 1( 1) DZYR Trans Radio Bctg, La Union.
- 1557(1550) -( 2.5) DWGO Bureau of Broad., Zambales.
- 1566(1570) -( - ) DZHH Phil. Air Forces, Manila.
- 1584(1300) -(0.25) - AFRTS(FEN), Benguet.
- 1584(1300) -(0.25) - AFRTS(FEN), La Union.
- 1584(1300) -(0.25) - AFRTS(FEN), Pampanga.
- 1584(1300) -(0.25) - AFRTS(FEN), Zambales.
- 1602( - ) 0.5( - ) DPI Bureau of Broad., Banguet.
- 1602( - ) -( 0.5) DPI ditto , Nueva Vizcaya.
- 1602( - ) -( 0.5) DPI ditto , Zambales.
- ( - ) 10( 10) DZUP Univ. of Philippines, Manila.

1485 & 1602kHz are used for low power stations. This list is not complete, please pay attention to the additional informations in future.

WXLE - CANTON ISLAND  
Michael S. Hardester

As time permits, I contact various radio stations in the Pacific and Asia regions to obtain information concerning the station and then prepare an article for publication. When I contacted WXLE on Canton Island, I received a very nice letter from Ms. Joyce E. Haas. Following is the letter I received; it does more in explaining the station than I could do if I rewrote the letter.

WXLE Radio Station, 1386 (note frequency-msh), is located on Canton Island in the Phoenix Islands Group. The station's equipment and call sign were originally used on Eniwetok, but came to Canton in 1971. WXLE's call sign until May 1978 was 1385.

WXLE was an AFRS (American Forces Radio Service-msh) affiliate, but due to the departure of all military personnel and a cutback in the civilian population in early 1976, the station is no longer supported by AFRS and its operation is no longer budgeted by the U.S. Air Force, which operates Canton Island. I have been operating WXLE on a volunteer basis since July 1976.

We broadcast, with any luck, continuously from a CCA 250W transmitter via a 180 ft. antenna. Our intent is to provide radio entertainment only for Canton Island, however we frequently receive letters from the South Pacific, particularly New Zealand, advising of reception of our signal.

Due to the lack of an operating budget, the staff is minimal. I do a live broadcast of news Monday through Saturday from AP news and occasionally a volunteer plays old AFRS records in the evening. Otherwise our programming consists entirely of taped music. Our ID's are irregular.

I generally answer correspondence concerning the station or QSL requests, however, only as time permits since I have a full-time six days-a-week job on Canton. Our station log is minimal but if I am advised of the time and the titles or words to a couple of songs heard, I can usually give a QSL confirmation. I prefer stamped return envelopes; IRC are acceptable.

Canton Island has a population of 51 persons, all adults employed by a civilian contractor for the U.S. Air Force. We are serviced weekly by MAC (Military Airlift Command, USAF-msh) flights from Hawaii.

To add a bit from the research I have done, it should be noted that Canton Island is claimed by both the United States and the United Kingdom. The question of ownership will again be reconsidered in 1989. The island is situated about 1700 miles/2736 kilometers southwest of Hawaii.

Canton was first accurately located and mapped by Commander R.W. Mead of the USS Narragansett in 1872; the Commander named the island after the New Bedford whaling vessel "Canton" which was wrecked there in 1854.

In 1965, NASA was the dominant user of the island for satellite tracking purposes, and support of the Weather Bureau and FAA. In June of 1967, NASA withdrew from Canton, and the Air Force utilized the island as a Space and Missile Test Center until 1976.

SPECIAL FEATURE:  
STATIONS OF THE TRUST TERRITORY OF THE PACIFIC ISLANDS

By Mike Hardester - CFAO - Box M E -  
FPO Seattle, Washington, 98770 - U.S.A.

In the ten or so years I have been DXing, I have only occasionally seen mention of radio stations located in the Trust Territory of the Pacific Islands, and I have known only one DXer from that area: Bob Bundy of Truk (I wonder where Bob is at present?). I suppose my increased interest in that area of the world came from the closure of the FEBC station (JOFF-1020 kHz) here on Okinawa with plans to move to Saipan. It was with that interest I did a bit of research and came up with the following information.

The Trust Territory Government owns and operates six AM stations: WSZO-1100, 10kw station located on Majuro; WSZD-1450, a 10kw station on Ponape Island; KUSI-1500, a 1kw station on Kosrae Island; WSZC-1300, a 5kw station on Moen Island; WSZA-1480, a 1kw station, soon to be upgraded to a 10kw output, located on Yap Island; and WSZE-1500 on Koror, which operates with 250 watts which will soon be increased to 5kw.

There are three other AM stations on Saipan: KJQR-1350, a 1kw station owned and operated by the Government of the Commonwealth of the Northern Marianas; WSZE-1050 with 1000 watts, owned and operated by the Pacific Broadcasting Corporation; and KSAI-940, a 1000-watt station owned by the Far East Broadcasting Company (FEBC).

From FEBC on Saipan comes this word--the shortage of land makes it difficult to obtain a site on Saipan and for this reason FEBC chose to request the Government for 25 acres of land on the north end of Saipan. At present, the new site has been leased for the tower and the transmitter building but the environmental permits have to be approved before work can begin.

The Saipan Community Church has agreed to allow FEBC use of a section of their land for a studio, and construction of the studio has been completed. Also, permission was granted for temporary use of the area for a small transmitter, and by April 5, 1978, FEBC was on the air with test programs for five hours each day; plans were to increase to 13 hours daily beginning on April 8, but this has not yet been confirmed. With this set-up, the major population areas of Saipan are covered. If plans go as scheduled, FEBC (KSAI-940) will sign on at 6am local time and sign off at 7pm local (2000

to 0900 GMT). At the present, the major language will be English, and Chamorra, the local language, will be added as they are able to get the staff to provide it and a Christian to make the programs for them. The emphasis is more on public service with an element of Christian programming in order to attract listeners from the almost-100% Catholic community.

Plans exist for a small station to be placed in each of the other districts, with Ponape and Truk Islands already having plans on the board; search for land is under way. The shortwave site here on Saipan is still held up pending the acquisition of about 12 acres of land. With the facilities in Manila and Korea still able to operate unmolested, the urgency at this stage is not particularly great.

RADIO TONGA - MICHAEL S. HARDESTER

Tonga is an independent Kingdom with a Constitutional Monarchy established in 1862 by King Tupou I. Located on the International Dateline, the Kingdom is composed of over 150 islands, the largest of which is Tongatapu with approximately 100 square miles (259 square kilometers). The islands are scattered over 400 miles (644 kilometers) of sea in the tropical belt south of the equator, approximately 500 miles (805 kilometers) south of Samoa.

There are over 90,000 people in the Kingdom, with the majority living on the main island of Tongatapu; over 20,000 live in Nuku'alofa, the capital city of Tonga. The "men divide their time between the sea, plantation plot, King and God"...the "women keep home." The northern islands in the Kingdom are called the Vava'u Group, the central islands are called the Ha'apai Group, and the Tongatapu Group lies to the south.

Radio Tonga came into existence on July 4, 1961, as a Department of the Tongan Government. On July 1, 1975, Radio Tonga became an Independent Statutory of the Tongan Government. A3Z is the call sign of Radio Tonga, and the transmitter (10kw) and studios of the Tonga Broadcasting Commission are located in Nuku'alofa.

"The Call of the Friendly Islands," Radio Tonga's A3Z, opens and closes each daily broadcast with a playing of the ancient Tongan nose-flutes. A3Z operates in the medium-wave band on 1020kHz, and broadcasts Monday through Saturday (local time) from 1800 to 2100, 2300 to 0100, and 0430 to 1000 hours Greenwich Mean Time. Radio Tonga also broadcasts on Sunday (local time) from 0430 to 1000 hours GMT.

Radio Tonga operates on a commercial basis with advertising revenue as the main source of income. The 30-member staff of Radio Tonga is managed by Tavake Fusimalohi, with assistance from the Programme Supervisor, Siosua H. Fonua.

A typical A3Z weekly broadcast schedule contains a wide variety of programming: news, weather, sports, music, interviews, panel discussions, religious broadcasts, as well as other local productions including dramas, Broadcast to Schools, and listener request programs of a musical nature. Because of the geographical distances involved within the Kingdom of Tonga, personal messages are regularly broadcast to the outlying island groups.

The Call of the Friendly Islands, Radio Tonga, the pulse of the Kingdom is occasionally heard in North America. If you are fortunate in hearing Radio Tonga, a correct reception report will bring an attractive QSL card in return.

DISCUSSIONS POSSIBLE TO AUTHORIZE 1kw FULLTIME ON GRAVEYARD CHANNELS

A joint meeting in Toronto between the boards of directors of the Canadian

Association of Broadcasters and the USA's National Association of Broadcasters raised the prospect, long given up by many broadcasters on the Class IV "local" channels (1230, 1240, 1340, 1400, 1450, and 1490 - known as "graveyard" channels to DXers), that Class IV stations would be able to use 1kw power nighttime, as well as daytime.

Historically, U.S. broadcasters say, their attempts to raise the nighttime power limit above 250 watts on graveyard channels have been rebuffed by the FCC on the grounds that Canadian stations would not accept the change. But, when the subject came up in a closed meeting in late June, Canadian station owners seemed as enthusiastic as the Americans over the idea. (It just so happens that NAB board chairman Donald Thurston operates a Class IV graveyard station.) The NAB staff is now expected to prod the FCC to open negotiations with the Canadians for a new international agreement raising the nighttime power level on graveyard channels. (Based on 7/3/78 Broadcasting, used by permission.)

Footnote: The daytime power level was increased in early 1961 from 250w to 1kw. However, it took some 5 to 10 years for most stations to switch to 1kw daytime power, because of FCC processing workload and because of the need for each Class IV station to buy a new 1kw transmitter. However, if the nighttime power levels are upped to 1kw, most Class IV stations will already have their daytime 1kw transmitters in place, so it will be a simple matter of processing the power increases through the FCC staff. There are, of course, a few stragglers still using 250w or 500w days on local channels. -BH.

DURHAM LIFE BROADCASTING SERVICE

WPTF

BOX 1511 • RALEIGH, N. C. 27602

(article continued from page 564)

to what I hear from you. We as a club can fill hours of master tapes. Here is the approximate cost per order: \$2.50 if I buy the tape at bulk rate, 75¢ if you supply the tape that I'll send back. The \$2.50 package includes a \$2.50 tape bought at \$1.69 bulk rate plus the cost of manila mailing envelopes, 28¢ or 62¢ (foreign) postage, copies of indexes to go along with the tapes, copies of the list of the contributors to that particular tape. Please start sending your tapes on in to me. Please leave slight spaces between the IDs if possible. Select IDs with as strong a signal as possible. If this project succeeds, and I'd like to think that it will, it will probably be a couple of months before I can get a master tape worked up and start sending out the completed tapes to you. For this reason, if you are interested in receiving a tape, do NOT send any money yet. If you don't have a cassette recorder, try to borrow one from someone and send me a few IDs anyway. The more you put into this, the more someone else can get back out of it. Since I can probably make hours of master tape, I will make several different cassettes available. I will send 60 minute cassettes to interested members. Please send in some IDs during the next month or two. I'll keep you posted on what's going on through the pages of DX News, DX Monitor, and the publications of the 19 other DX clubs. And now it's your turn. Tell me what you're thinking about this, if you like it or dislike it. I want to know. Send me some IDs, questions, and suggestions. Also, please tell me what DX clubs you are a member of. Shoot off a tape and a card or letter to:

Jim Ayers  
2847 Woodside Drive  
Jackson, MS 39212 U.S.A.

Thank You!!!

SPECIAL FEATURE:

A VISIT TO THE VOA - THAILAND

by

Michael S. Hardester

One of the distinct advantages of being in the U.S. Navy is the unusual selection of duty stations (locations) available. Thus, when my wife and I learned that we were being transferred to Okinawa, we made plans on places we hoped to visit. We had considered Thailand; however, we felt it was unlikely we would have an opportunity to go. Then, about a year after our arrival overseas, a tour became available with one of the places on the tour being Bangkok. The arrangements were made and we were soon to be on our way. Of course, being an avid DXer, I was well aware of the Voice of America (VoA) relay station in Thailand, and shortly after deciding to go on the tour, I sent a letter enroute to the USIA in Washington, D.C. After some corresponding between Washington and Bangkok, plans were made for a visit to the VoA facilities.

The tour arrived in Bangkok at midnight, and we were in our hotel just before the 1:00am curfew. After a busy first day, I was able to contact Mr. Hillgartner, the Manager of the VoA operations, and plans were made for a visit the next day.

Around 7:00am, I met Mr. Chrismon, Supervisor, who was my host for the day-long tour of the transmitter and receiver sites. From the hotel, we proceeded to the air-conditioned and chauffeured VoA staff car (I make mention of this for if the humidity doesn't get to you, the traffic will!). Our driver was soon guiding our car through the hectic and congested Bangkok traffic as if we were the only ones on the road. Occasionally a Buddhist monk in his saffron-colored robe would be seen along the roadside, or a farmer leading his ox. Once outside of the city, the scenery gave way to green, lush farmland with an occasional home or local Buddhist temple noted. Low mountains were noted in the distance.

Soon Mr. Chrismon and I were engaged in conversation, and it was pointed out that the VoA-Thailand presently has 42 Thai nationals and 4 Americans working at their facilities. The transmitter facilities are shared with the Thai government who produce the Voice of Free Asia programs. The transmitter plant is located approximately 67 miles/107 km north of Bangkok near the village of Ban Ra Som on 55.8 acres of land provided by the Government of Thailand. The transmitter facilities consist of a megawatt (1,000,000 watts) medium-wave transmitter (two 500,000-watt Continental transmitters) on 1580 kHz and a 3-tower directional antenna; power is provided by a commercial source.

The first part of our journey ended with our arrival at the receiver site at Ban Klang situated some 25 miles/40 km north of Bangkok. The receiver plant is situated on 25.1 acres of land, also provided by the Government of Thailand. The plant operates from commercial power and is equipped with dual diversity receiving systems, Racal and URR receivers, UHF link for feeding programs to the transmitter site, and six log periodic antennas. The station is equipped to receive, but not transmit, except as previously stated. They also receive teletype signals from the VoA communication network, and normal communications are handled through the Department of State facilities in Bangkok. After a short visit, we were once again on our way north to the transmitter site which has previously been mentioned.

The first indication we were approaching the transmitter site was the sighting of the three towers in the distance. Each tower is 97.53 meters high and they are situated on the northern side of the transmitter plant. However, before touring the facilities lunch was in order and so Mr. Chrismon, his secretary and I headed to a nearby restaurant for a Thai lunch, and if you've never eaten a true Thai meal, you're in for one fantastic experience! Now I like to eat, but the food just kept coming and coming! You have to experience it to believe it.

After lunch, we returned to the transmitter plant where the two Continental transmitters, each 25 years old, were seen along with the control facilities, tape decks, a passageway between two offices which passes through the bathroom, and a door that leads to, well, you'd never believe me if I told you. Definitely an interesting tour.

Outside, we walked up to the antenna switching control where the pattern of the antenna is switched from a north/south lobe with a lesser lobe to the east, to a beam favoring North Vietnam and Southern China. Languages which are currently broadcast include Bengali, Cambodian, English, and Laotian; the Thai Government also produces programs in Thai. Regular programming commenced on Feb. 22, 1968.

As with the VoA-Okinawa tour, the tour of VoA-Thailand was over all too soon; however, much was learned and the hospitality of the VoA-Thailand staff was super! My sincere thanks to Messrs. Hillgartner, Bartell, and Chrismon for their most personal assistance in making my tour of their facilities a most memorable occasion. The only unfortunate thing to occur was on return to Okinawa when it was discovered, in attempting to develop some 140 prints (30 of which were VoA-Thailand prints), that for some reason none of the film shot was exposed and thus no pictures of the tour are available.

In general talks with my hosts, I learned that the present agreement with the Government of Thailand is due to expire on March 28, 1983, and at present, the Government of Thailand is working on construction of a Voice of Free Asia near Lamphun (Hilltribe transmitter). The frequency is not known; however, it will most likely be medium-wave as shortwave sets in Thailand are few, and thus the reason for the current medium-wave-only transmitter presently in use. And speaking of the VoA transmitter, it will switch frequency to 1575 kHz when the 9 kHz frequency allocation goes into effect next year.

Other items of interest include the fact that the VoA transmitter on Okinawa (which ceased operations some time ago) is to be replaced with four new transmitters at Tinang, Republic of the Philippines. Also, parts from the VoA-Okinawa transmitter are enroute to VoA-Thailand.

Approximately five years ago, there were plans to construct a VoA relay in South Korea, primarily for shortwave use, but the plans were politically defeated.

The Hue transmitter in Vietnam (medium-wave) was made with American parts, and even before the evacuation from Vietnam the staff was having trouble with the transmitter, thus it is unlikely the Vietnamese will ever get the transmitter operational again.

Presently, plans are being made for a VoA satellite feed from the USA to the Philippines and possibly to the Thailand receiver site - just wish they'd try and link Okinawa up with a satellite feed!

A final note - when a coup occurs in Thailand, the VoA Director in Thailand contacts the Thai Government Public Relations Office and at the request of the Thai Government, the VoA switches to local programming or shuts down completely until matters are once again peaceful.

--Mike Hardester - GFAO - Box M E -  
FPO Seattle, Washington, 98770 - U.S.A.

**3WE**  
**CJVR** 1420  
**KPMCL**  
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RADIO  
**KHAR**  
HEART RADIO  
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P. O. Box 1709  
BAKERSFIELD, CALIFORNIA 93302  
3900 Seward Highway / Anchorage, Alaska 99503



BEST BETS FOR 50 STATES  
 --from the NY-NJ-NEW ENGLAND AREA  
 Prepared by Roger Morby

One of the prime goals for so many DXers seems to be that elusive total of 50 states heard. Of course, your ability to hear 50 states, plus DC, and 12 provinces (including two "territories" that are counted as DX "provinces"), depends on where you live. For more specifics refer back to DXM 12/10/77 p. 174.

<u>EASY</u>			<u>MODERATE</u>			<u>DIFFICULT</u>		
22 states			13 states;			15 states;		
3 provinces			4 provinces			5 provinces		
CT	MA	PA	AL	RI		AK	OK	
DC	MI	TN	AR	UT		AZ	OR	
GA	MN	TX	CA	VT		HI	SD	
IL	MO	VA	CO	WI		ID	WA	
IN	NH	WV	DE	MB		KS	WI	
IA	NY	NB	FL	MP		MT	AB	
KY	NC	ON	ME	NS		NE	BC	
LA	OH	PQ	MS	PEI		NV	SK	
MD			NJ			NM	NT	
						ND	YT	

EASY means states any beginning DXer should be able to hear, even using a simple car, clock, or portable radio. Most of these states are in nightly.

MODERATE includes states that come in only at certain times (like MM's), or when conditions ("cx") are better, or which require a slightly better receiver ("rx") or maybe a loop antenna.

DIFFICULT includes both states that are hard to hear in the region, and states that are next to impossible (nothing is ever TOTALLY impossible). These states take good equipment, time, skill, patience, and some luck to hear. Good luck!

- ALABAMA (M) - Best time to hear them is on SSS (that's sunset skip). WVOK-690 and WYDE-850 are the best bets at this time. Also try WBAM-740 and WVOV-1000 also on SSS and not too difficult. WAAY-1550 a good bet after CBE s/off.
- ALASKA (D) - Probably the most difficult of all the states. Hasn't been heard on EC in the last 10 years or so. Speculation rests on KPQD-750 and KYAK-650. Because of the high latitude signal path, there's very little chance of hearing it.
- ARIZONA (D) - KNIX-1580 the best bet on SSS in Oct. and Nov. but QRM from CBJ a problem. Other possibilities include little KRDS-1190 MM's around dawn. KTAR-620 a remote possibility MM w/QRM from WHEN/WRJZ/WVMT. Try between 0200-0500.
- ARKANSAS (M) - KAAV-1090 by far the best bet. Easiest MM after WBAL signs off 0005 and before KAAV's s/off 0205. CKKW causes the most trouble. Be careful not to confuse the two as both play C & W mx. KAAV was heard on SSS this winter in the NYC area, though tougher w/WBAL/CKKW both on. KLRA-1010 a lesser possibility.
- CALIFORNIA (M) - KFI-640 the easiest. Main problem is QRM from CMQ/YVQO. They are hard to loop because they're not in the exact same direction. However, during December and fall months KFI can be heard clearly about 1/2 hour before LSR, because the LA's have faded due to SR at their locations. KNX-1070 all nx, is a good bet MM w/CBA/CHOK off, but WIBC still on.
- COLORADO (M) - KOA-850 best bet. MM's best after WHDH s/off 0000 w/QRM from CKYL till 0206 KOA s/off. Makes it nights to some of New England, depending on WHDH's pattern. Other possibilities are KQXI-1550 which tests a lot, or KPIK on SSS.
- CONNECTICUT (E) - WTIC-1080 easily the best bet. Other lesser possibilities are WPOP-1410, WICC-600, & WDRC-1360.
- DELAWARE (M) - This state has different ranges of difficulty depending on location. In Western NY DE is difficult to Southern NJ where it would be very easy. WDEL-1150 probably best bet,

especially at MM s/off 0035 when WACQ/WRUN/CHSJ are all off but CKOC still causes problems. WDOV-1410 not much good due to QRM from WPOP/WOTT/CIGO/WING/CFMB depending on location. Other possibilities are WTUX-1290 which puts good signal into upstate NY around SS; WILM-1450 which seems to get out good. Unfortunately it is harder to spot now that it dropped NNIS.

- DISTRICT OF COLUMBIA (E) - WTOP-1500 easiest, format is all nx with s/off 0100 daily. WWDC-1260 gets out well MM's.
- FLORIDA (M) - No clear best bet for this. WSRF-1580 is widely heard on SSS or after CBJ s/off on reduced power, testing, or on f/c. WGTO-540 also good on SSS. WIOD-610 can be heard either during an aurora or w/WIP off, widely heard on MM's. WAPE-690 on SSS before they reduce power. Still other lesser ones are: WEAT-850 MM's or SSS, WINZ-940 after CBM s/off around 0200, WSUN-620 AM'S, WQAM-560 during an aurora, WTNT-1270 MM's after WXYZ s/off 0200, and WVOJ-1320 early mornings or SSS.
- GEORGIA (E) - WSB-750 only problem is LA's. If near WABC try f/c's from WWNS-1240 and WKIG-1580.
- HAWAII (D) - KORL-650 only one that was heard by any of the reporting members. Best time is AM's when WC cx are good. Most likely in spring and fall.
- IDAHO (D) - No one really knows. KBOI probably best one 1978 tests. WMAQ rarely goes off now though making it just about impossible.
- INDIANA (E) - WOWO-1190 easiest. Second best is WIBC-1070 and after that, good luck.
- ILLINOIS (E) - Take your pick WGN-720, WMAQ-670, WBBM-780, WLX-890, WCFL-1000. If you live near NYC WJJD-1160 best. (Remember WJJD is limited time s/off is at Salt Lake City SS.)
- IOWA (E) - WHO-1040. Second best KKEL-1540 if not too close to WPTR or close to WHN-1050.
- KANSAS (D) - KFH-1330 possibly best MM's before 0205 s/off when WPOW/WEVD/WHET are all off, but WRIE is still on. Other possibilities are KGGF-690 on SSS or KOAM-860 after CJBC s/off 0008.
- KENTUCKY (E) - WHAS-840
- LOUISIANA (E) - WWL-870
- MAINE (M) - Best bet for this seems to depend on the individuals location. WCSH-970 best for New England area; WLAM-1470 and WCSH-970 in Metro NYC area; WGAN-560 in Western NY. Most Maine stations beam Northeastward. WPOR-1490 is also a good bet relatively free of QRM especially MM's. Format is c/w mx. Two other regionals to try for are WLBZ-620 and WABI-910.
- MARYLAND (E) - WBAL-1090 then WFBR-1300.
- MASSACHUSETTS (E) - WBZ-1030. In NYC WPTQ-1440 best due to QRM from WINS/WHN.
- MICHIGAN (E) - WJR-760 followed by WXYZ-1270.
- MINNESOTA (E) - WCCO-830 after 2300 if WNYC is a problem.
- MISSISSIPPI (M) - WCPC-940 puts in a good signal fairly often on SSS in the fall, main problem is CBM. Other possibilities are: WORV-1580 on f/c or on SSS, WAMY-1580 on SSS, and WOKJ-1550 with CBE off.
- MISSOURI (E) - KMOX-1120
- MONTANA (D) - A tough state. Best bet is KGHL-790 on their f/c 1st Mon. 0245-0300. KOFI-1180 possible after WHAM s/off 0108 till their s/off 0205 but tough due to their pattern/power. KXLF-1370 remote possibility on RS but tough w/both WSPD & WFEA NSP.
- NEBRASKA (D) - KRNV-880 probably best bet now on SSS if you're not too close to WCBS. KFAB-1110 also possible on SSS. It used to be heard SM's w/WBT off but now CKJD is there to complicate it. WOW-590 sometimes heard around 0000 ELT too.

NEVADA (D) - KLUC-1140 is best bet on either f/c or DX Special or soon after they get nighttime patterns and power.

NEW HAMPSHIRE (E) - WFEA-1370 best bet for most of Northeast. WHEB-750 gets out well around SS in most of Northeast. They are limited time so they're on till LSS in Atlanta. WKBR-1250 also gets out well around SS.

NEW JERSEY (M) - WCRV/WRDI both 1580 get out well around SR/SS in most of area. WRDI also has a f/c 3rd Friday 0000-0015. These two will be much harder after WYFA (ex WSUP) returns to the air. WNJR-1430 is widely heard esp. after WENE s/off 0100. Other possibilities are WVNJ-620; WPAT-930 (MM best) WWDJ-970.

NEW MEXICO (D) - Best bet is KOB-770 on SSS or w/WABC off or nullable. KBCQ-1020 possible MM w/KDKA off after 0015 till KBCQ s/off 0200.

NEW YORK (E) - Take your pick, WCBW-880, WGY-810, WPTZ-1540, WKBW-1520, WNBC-660, WABC-770, the list is endless, hi.

NORTH CAROLINA (E) - WBT-1110 any night.

NORTH DAKOTA (D) - KFGO-790 f/c 2nd Mon. from 0230-0245 best bet. KNOX-1310 also a good bet on f/c, KFYR occasionally heard MM w/WKRC QRM. KQWB-1550 will probably be best bet after it gets nighttime authority and if it's on AN. It's also possible on frequent ET's.

OHIO (E) - Take your pick WWWE-1100 probably easiest, also WGAR-1220; WLW-700; WCKY-1530.

OKLAHOMA (D) - KRMG-740 occasionally heard after CBL s/off (generally around 0200) except SM & MM when KRMG is also off. KOMA-1520 a good bet w/"KB" off or nullable. KVOO-1170 not likely due to pattern and NSP WWVA. KTOK-1000 possible after 0130 WCFL s/off. KGLC-910 has been heard SM's in metro NYC.

OREGON (D) - Probably the most difficult of the 48 continental states. KPNW-1120 is possible 3rd MM w/KMOX off but very unlikely. KEX remotely possible at LSR MM w/WOVO off and CHTN faded, but still unlikely due to QRM.

PENNSYLVANIA (E) - WCAU-1210 probably easiest; also KDKA-1020 and KYW-1060.

RHODE ISLAND (M) - NSP WPRO- 630 easiest, main problem is WMAL also NSP. WJAR-920 also a good bet though off MM. WADK-1540 gets out well on SRS, a regular on the South Jersey Shore.

SOUTH CAROLINA (M) - WFBC-1330 best bet between 0100-0300 w/WPOW/WEVD both off or on SSS. WTMA-1250 a good bet TT on a MM or RS. WCSC on SSS, MM or when auroral cx prevail also good. Other possibilities are WAGL-1560 SM s/on or WBSO-1550 on SSS or WDKD-1310 also on SSS.

SOUTH DAKOTA (D) - KKAA-1560 best bet after WQXR s/off 0100 except for MM when KKAA is off too. KSOU-1140 possible on SSS.

TENNESSEE (E) - WSM-650 easiest. Others include WLAC-1510, WNOX-990, WPLI-1070.

TEXAS (M) - WBAP-820 easiest any night. WOAI-1200 doesn't seem to get out as well.

UTAH (M) - KSL-1160. Sometimes best in early mornings on SRS after LA's have faded.

VERMONT (M) - Best bet depends on location. In Western NY WCFR-1480 possibly best. In NYC try WSYB-1380 w/WBNX nulled or WVMT-620 if WVNJ s/off is 0005. WVMT probably best bet for the entire region but QRM from WHEN/WVNJ/WLBZ makes it tougher. WBTN-1370 gets out well on SSS.

VIRGINIA (E) - WRVA-1140 best, but if near WNEW-1130 try WHNE-1350, WGH-1310 or WVAB-1550 on SSS.

WASHINGTON (D) - KOMO-1000 probably best bet after WCFL s/off 0130 but QRM from LA's makes it tough. KOMO also goes off every other MM at 0300. KGA-1510 possible if WMEX is off and QRM from WLAC/CJRS not too bad. KRKO-1380 a slight possibility MM with most QRM off.

WEST VIRGINIA (E) - WWVA-1170 nightly.

WISCONSIN (M) - WTMJ-620 best bet before MM s/off 0202 but QRM from WHEN and others makes it tougher. WEMP-1250 on SSS or early mornings sometimes makes it. Other possibilities include: WISM-1480 MM's, WTTN-1580 on SSS, or WGEE-1360 MM's.

WYOMING (D) - Best bet is KTWO-1030 occasionally heard MM w/WBZ off before KTWO's own s/off 0200.

PROVINCES:

ALBERTA (D) - CFAC-960 MM is probably best bet w/WELI/WFIR off. Main problem is CHNS/CKWS. CFCN-1060 possible MM w/KYW off after 0100 w/QRM from CJRP. CFRN-1260 also possible MM. CBX-740 possible after CBL s/off till 0303 CBX s/off.

BRITISH COLUMBIA (D) - CBU-690 best bet after CBF 0008 s/off though seldom heard. CKWX 1130 would be possible if WNEW ever goes off.

MANITOBA (M) - CBW-990 best bet. Best MM around s/off 0210 or SRS. CKY-580 also possible MM's ID'ing as "K.Y. 58".

NEWFOUNDLAND (M) - CBT-540 best bet. Best around s/on at 0430 or LSS when their frequencies often are relatively QRM free. CBNM-740, CBN-640, CBY-990 also good during same period. Remember Newfoundland time is ELT + 1 1/2 hrs.

NEW BRUNSWICK (E) - CBA-1070 best. Others include CHSJ-1150, CFNB-550.

NOVA SCOTIA (M) - CHNS-960 probably best bet. Easiest MM's or AM's. CKBW-1000 a good bet around LSS or LSR. CBH-860 a good bet at 0500 s/on before CJBC s/on around 0600. CJCB-1270 quite easy w/WXYZ off MM's between 0200-0500. CKEC-1320 possible at s/on MM.

ONTARIO (E) - Take your pick. CBL-740, CKLW-800, CHUM-1050, CFRB-1010, CJBC-860.

QUEBEC (E) - CBM-940 good bet, especially if you have difficulty w/the FF as most of us do, hi. FF stations include CKLM-1570, CBF-690, CKAC-730.

PRINCE EDWARD ISLAND (M) - CHTN-1190 by far the best bet. Best time is MM w/WOVO off after 0107 (CHTN is NSP). CHTN also is good at LSS often. CPCY-630 a lesser possibility.

SASKATCHEWAN (D) - CBK-540 the best bet. Best at s/off around 0210 MM. CKCK-620 also possible if QRM is low.

NORTH WEST TERRITORIES (D) - I got some interesting comments on this like "Ha! Hasn't been heard in this area in 2-3 decades." "Are you kidding?" "Forget it, don't try, talk about it only to get laughs at DXGts." Best bet would probably be little CFFB-1210 MM w/WCAU off before CFFB 0110 s/off.

YUKON TERRITORIES (D) - I got about the same kinds of comments for this. Has 2 lkw stations: CFWH-570 and CKRW-610. CFWH-570 would probably be a better bet simply because of a more QRM free frequency MM. However the chances of getting it are still very, very, small. (Like 0, hi.)

I would like to thank the following people for their contributions toward this article.

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I would like to especially thank Bill Hardy for his help in organizing this article. Any additions, corrections, comments can be sent to: Roger Morby, Ushers Road, Ballston Lake, NY 12019. An updater will be published later if necessary.

CONTEST MANAGER: Richard C. Evans  
P. O. Box 1121  
Havertown, Pennsylvania 19083

1978-1979 IRCA Contest Rules:

RULES COMMON TO ALL CONTESTS:

1. These contests will be open to all IRCA members in good standing. Entrants will be disqualified if they cease to be members of this club.
2. The entry fee for each contest is 50c. Mint US or Canadian stamps are acceptable. You may join any one contest or a combination of your choice.
3. The contests will run from 0000 ELT 1 Sept 1978 through 2400 ELT 30 June 1979, and all stations heard or verified for reception during this period will qualify for the contests. Stations may be submitted for scoring thru 31 July 1979, but reception must be made during the above stated contest period.
4. You must enter prior to 1 Oct 1978, except that new members may join within 30 days of membership with no new contestants allowed after 31 January 1979. Stations heard or verified for reception on or after 1 Sept 1978 will be accepted despite your entry date.
5. All loggings must be done within 25 miles of your base place. Normally, this is your home, though for students or military personnel, this might be college or base. If a person moves during the contest, a decision on how to handle it will be made at that time on the individual factors.
6. Contest manager reserves the right to request the actual verie (or photostat of same) from any station submitted for scoring. He also reserves the right to request the carbon copy (or photostat of same) of any report sent to any station submitted for scoring. In the "Heard" contest, this also applies to your "working" notes.
7. The contest manager will have the final word on all scoring and interpretation of all rules, including disqualification of a station for scoring or of a member from the contest.
8. You must update your scoring within one month of the date of reception of the station or verie. Failure to do this will disqualify the item in question for contest points.
9. If you have entered more than one contest, you must update each contest separately. They may, however, be sent in at the same time.
10. No stations may be re-verified for any of these contests. For the purposes of these contests, call letter changes do not constitute a new station. Frequency changes do, however. Exception: Special tests can be re-verified and entered even if veried in a previous season.
11. Standings will be updated and typed for publication the last day of each month, and printed subject to space in DXM. The final standings will be updated 1 August 1979 and sent to the IRCA convention, then published, subject to space in the next DX Monitor.
12. The contest manager is not eligible to join the contests.
13. Alaska and Hawaii will be considered both domestic and foreign stations.
14. Entrance in any contest implies consent to all rules, including those which may appear later as necessity dictates.

DOMESTIC CONTESTS:

There will be both a "heard" and a "verified" contest this sason. For the heard contest, please substitute the word "head" for "verified" below. Otherwise, the rules are the same.

1. The object of the contests will be to verify up to three stations in each of the fifty states and ten provinces and two territories of Canada. DC will be considered a 51st state for the contest, but the three districts of the Northwest Territories will be considered "one province". A premium will be placed on local, regional and daytime stations, plus additional bonus points as explained below:
2. The first station in each state or province will be worth 1 point; the second 2 points; and the third 3 points.
3. Bonus points: Local channel stations - 5 points  
Regional stations - - - 3 points  
Daytime stations - - - 1 point  
(daytimers do not have to be heard/verified during the daytime.)

4. In addition, there is a mystery station for each state or province, worth an addition 10 points each. This may be a clear, regional or local station, and there is no guarantee by the contest manager as to whether or not the station does actually verify reports. The list will be different for the verified and heard contstes. The lists will be published with the final standings.
5. After submitting three stations for any state or province, any station may be replaced by another of higher value. You must indicate which station is being replaced. If a mystery station is being replaced by another station, the 10 point bonus will drop off with it.
6. The channels are as follows: Locals: 1230, 1240, 1340, 1400, 1450, 1490. The regional are: (-inclusive-): 550-630, 790, 910-930, 950-980, 1150, 1250-1330, 1350-1390, 1410-1440, 1460-1480, 1590-1600. The rest are clear channels.
7. Entries must include the call letters and frequencies, along with the locations of the stations, and the dates heard and verified.
8. Only stations licensed by the FCC and DOT will be allowed. Bootleggers are not eligible.
9. In the "heard" contest, stations can be "re-heard".
10. Numbers and amounts of prizes will be dependent on the number of entries.


FOREIGN CONTESTS:

There will be two foreign contests this year. As in the domestic contests, there will be both a verified and a heard contest. In the rules below, the words "veried" and "heard" are interchangeable.

The idea is to verify as many previously unverified foreign stations as possible. Points will be awarded for each continent and country as well as the station. U.S. stations (except Alaska, Hawaii, and the possessions) and Canadian stations are not eligible.

1. Along with your entry fee, you must include your current countries verified list naming each country verified. The official IRCA countries list should be used, and both US and Canada should be included if they have been verified.
2. There may be a junior and senior divisions in either or both contests if there are enough entries to make this feasible.
3. Stations submitted for credit must include all of the following information: (a) station call and/or slogan; (b) frequency on which the station was heard; (c) date and time (in GMT only) heard; (d) date verification was received.
4. Scoring will be as follows:  
Each continent -- 10 points  
Each country -- - 5 points  
Each station -- - 2 points, plus  
10 points, less one point for each time the station is listed in the loggings section of volume 5, IRCA Foreign Log, to a level of zero bonus points. Example: 6WA-560 Australia (page 101) would be worth 9 bonus points.
5. All stations not previously verified are eligible for the verified contests. Stations can be reheard for the heard contest. This is no limit of stations verified from any one country or continent EXCEPT that there will be a limit of five Mexicans in the heard contest. Only the first station from each continent/country will count for the appropriate bonus points.
6. Numbers and amounts of prizes will be dependent on the number of entries. If there are two divisions in either or both contests, there will be prizes for both.

Respectfully submitted,

  
Richard C. Evans,  
Contest Manager

**KMAC**

630 - FRONTIERVILLE - RADIO  
CBS SAN ANTONIO

<b>ADVISOR</b>	EDITOR: ALBERT S. LOBEL 10514 CAMINITO BAYWOOD SAN DIEGO CA USA 92126
TELE-AD: 714-566-0092 TO 2145 + MM's TO 0700	DEADLINE: LAST WEDNESDAY OF EACH MONTH
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## SOLD

WRTVH '77 advertised in the 13 MAY 78 Advisor. Sold to William Townshend.  
NICK HALL-PATCH, 3272 ALDER STREET, VICTORIA BC CANADA V8X 1P2.

## Sale

Radio tubes: 1-6SL7WGT, 2-6SG7, 5-6AC7, 1-6CG7, 1-6BE6, 2-6BK7B, 1-7054, 1-6F6G, 1-6K6GT, 2-6AB7, 1-6J5, 1-6AT6, 2-6J7GT, 2-6C5, 1-6CB6, 1-6BA6, 3-6L6G, 2-5Y4G, 1-8J, 3-6SA7. All tubes tested except 8J (no tube tester will take it). You can have the lot for the postage cost -- \$4.00 airmail or \$2.50 surface mail. Individual tubes go airmail for 3-15¢ U.S. stamps or 3-14¢ Canadian sta.ps. Bulk price is U.S. or Canadian funds, whichever is more convenient.

PLUS:  
Olsen X-75 auto reverberation unit, unused. Make your DX sound really eerie! Reduced to \$1.25 airmail, \$0.75 surface. CHEAP!  
NICK HALL-PATCH, 3272 ALDER STREET, VICTORIA BC CANADA V8X 1P2.

Maps of Canada and the U.S. 2 or 3 cents each; depending on Canada or U.S. Great for plotting stations/provinces, etc. heard/verified/ or for just coloring during dead DX sessions.  
DOUGLAS MISKE, 128 MOSSGROVE TRAIL, WILLOWDALE ON CANADA M2L 2W5.

Page 578...August 5, 1978

### THE INTERNATIONAL RADIO CLUB OF AMERICA

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

OFFICERS: President-Bruce Portzer, 6546 19th Ave N.E., Seattle, WA 98115 (206-522-2521). Secretary-Treasurer-Rich Segalas. Board of Directors-Gregg Allinson, Philip Bytheway, Dr. Larry Flegle, Bill Hardy, Rick Heald, Rob Keeney and Father Jack Pejza.

DX MONITOR: The official bulletin of IRCA, published 34 times a year; weekly from November to March, 3 times in April and October, and monthly from May to August.

MEMBERSHIP DUES: \$12.00 First Class to Canada and the U.S.A., Air Mail to Mexico. \$13.50 Air Mail to the rest of the world via Canada. Air Mail Direct from San Francisco: \$25.00 to Central America, Caribbean, Columbia and Venezuela; \$30.00 to the rest of the world. Sample copies, 50¢ or 3 International Reply Coupons. Make all checks and money orders payable to "I.R.C.A." Members outside the U.S.A., please use money orders payable in U.S. funds.

PUBLISHING STAFF: Editor-in-Chief-Donald Kaskey; Publisher-Rich Segalas; Staff-Mike Endza, Nick Hall-Patch, Eloise Kaskey, Larry Nebron, et al.....

Opinions appearing in DX FORUMS are those of the contributors and do not necessarily reflect those of IRCA, the publishing staff, or the DX FORUM editors.

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## TRADE

Survey charts of top 40 stations. Prefer recent ones from larger markets, but will take almost anything.

PLUS:  
Airchecks of top 40 stations. (Personal remark deleted, ASL). Please write and send list of locals, plus FM and state type equipment and if dolby (dolby not absolutely necessary). Also, send logo of station in color for my labelling purposes, and price of Maxell LN C-90 and C-120 cassettes at local distributor.

PLUS:  
Have only one of each left: 13-CFRW window sticker and CHUM car-sign (both window sticker). Will try to get more. Will trade for bumper or window sticker of top 40 station, preferably.  
DOUGLAS MISKE, 128 MOSSGROVE TRAIL, WILLOWDALE ON CANADA M2L 2W5.

Airchecks of old pirate radio stations; such as Radio London, Radio North Sea, Radio City, Radio Caroline, etc., for old time radio programs and jingle packages. Also, will exchange airchecks of local AM&FM stations on cassettes only. Send your tape today, stereo reel and/or stereo cassette with dolby.  
BILL COLEMAN JR., 114 CIRCLE DRIVE, ROCKY MOUNT NC 27801.

## WANTED

Airchecks of Voice of Peace on 1540 kHz, located in the Mediterranean Sea. Also, wanted airchecks of Japan's commercial stations AM or FM or SW Foreign country exchanges most welcome from anywhere in the world.  
BILL COLEMAN JR., 114 CIRCLE DRIVE, ROCKY MOUNT NC 27801.

**IRCA**

P.O. BOX 26254

SAN FRANCISCO, CA 94126

U.S.A.



## First Class

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