



DX MONITOR

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OCTOBER 28, 1978

DX CALENDAR DX CALENDAR DX CALENDAR

- MM Nov 7 KUOM--770-Minneapplls, MN 0100-0300.
14-21-28 Open Carrier, Voice IDs & TT. Reports to:
Larry Brogger, KUOM-580 Rarig Center,
University of Minnesota...Mpls, MN 55455
- MM Dec 4 KADE-1190-Boulder, CO. 0200-0300 1 kw-ND.
May use 52.1 watt PSA the last 5 minutes.
v/s-Bob Greenlee, GM. Prepaid calls accept-
ed. 4840 Riverbend Road, Boulder, CO 80301.
(From NRG-DX News)
- MM Dec 4 KPPC-1240-Pasadena, CA 0330-0400 100 w.
1000 cycle tone, music & ID's. Possibly
KROY may be off during part of the test.
Rpts to: George Chambers, CE, KPPC, 3844
Foothill Blvd., Pasadena, CA 91107.
Arranged by Matthew Shugart for IRCA..
- MM Dec 18 KDLG--670-Dillingham, AK 0515-0615 5 kw.
Tones, voice/code IDs, DX gab & some Esk-
imo language. Rpts to: Les Robinson, GM,
KDLG, Box 670, Dillingham, AK 99576.
Arranged by Eddie Ryan, GWDXA...

WGOS
1070 khz

clear channel
radio

Inspirational Radio
Quality Music

(919)885-8021
High Point,
North Carolina 27264

Clarence E. Morrison Manager

910 Khz 1000 Watts
WAVL

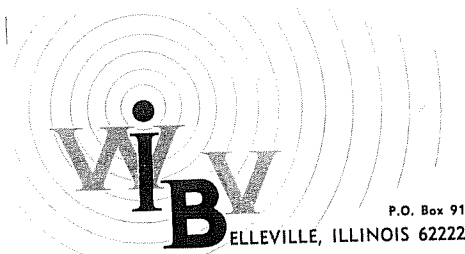
Apollo, Pa. 412-472-3921

Western Pennsylvania's Evangelical Voice For Over 30 Years!
Serving the Greater Pittsburgh Area and Most of Western Pennsylvania
Soon to be 5000 Watts
CP Granted

Write: WAVL, Box 277
Apollo, Pa. 15613



1440 AM
GOSPEL
RADIO



NOTE TO EDITORS:

We are now on a weekly schedule so set your deadline dates accordingly. To those editors who do not have weekly columns try to get your column to HQ for the last issue in the month. That is the one I've designated as the "over 12 page" issue. An exception will be in December when the large issue will be Mastheaded December 16. (I don't think I'll be too thrilled to do a 24 pager between Christmas & New Years).

*****Some Ad's that belong in Advisor but were sent to HQ" appear below:

For Sale: Barlow-Wadley XCR-30 Mark2; triple conversion, calibration control, service manual, ECSS, original carton. Excellent condition. Free UPS shipping. Price \$200. Contact Francis Fumelli. 500-52A Peconic St. Ronkonkoma, NY 11779. (516) 585-7469 eves. No collect calls.

For Sale: Allied SX-190; dual conversion, Includes crystals for optional 60m, 75m, 13m bands. Excellent condition. Free UPS shipping. Price \$175 Contact Francis Fumelli (address above).

For Sale: R390A w/Collins PTO, very good shape. Price \$350 with Manual-----R392 w/Collins PTO in excellent condition. Price \$150.-----FRG-7000 new, modified for broadsharp AM selectivity. Price \$525.00...Will deliver any receiver within 300 miles....Ralph Sanserino, 8422 Crane, Huntington Beach, CA 92646

KOIT FM 96

Transamerica Pyramid • 600 Montgomery Street • San Francisco, Ca. 94111

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**eastern dx
roundup**

Bob Curtis
17 Cobbleview Dr.
Colchester, VT 05446

DEADLINES: Mondays All times are Eastern Local

Splatter:

"My farthest midday catch (see WJJD-1160).
600 miles at high noon." Bill Townshend - DC
"Starting all over again." Paul Mount - OH
"Only 5 new stations in all of September!"
Bryan Lee - CT
"Conditions here have been rather poor this
week." David Fontanez - NY
"Promo mentioning 50 years on the air..."
(see WRUF-850) Paul Mount - OH
(ed: Gosh, that's almost as many years as
I've been DX'ing!)

"Finally, I get a station in a much wanted
state, #33." (see 620-WTKJ) Bryan Lee - CT
** ** *

- 540 WDMV MD, Pocomoke City 10/13 1829 s/off
"authorized to operate w/500 watts
of power daytime. WDMV will resume
brdcstg tomorrow morning at 7:15,
w/Bob ____". No SSP. Jx ID. Good
signal. (BL-CT)
- 590 WARH PA, Scranton 1750-1755 Steely Dan
mx, "W-A-R-H" ID into Wiz mx, ment
of upcoming college football game
to be broadcast on WARH. Hyper Top-
40 format. QRM from WICC (very
strong!), none from WJCA. No severe
fading but generally weak. New.
(DF-NY)
- WOW NE, Omaha 9/25 0030 fair, surfaced
o/Cuba/ mor stn giving Ottawa temp.
at 0030 w/mention of "downtown Om-
aha" and rock mx. (PRM-OH)
(ed: probably CPRA on 5.0, the mor)
- WVLK KY, Lexington 10/9 1521-1534 fair-
poor but almost alone w/ moderate
QRM 1521-1534 w/rock, Instant Winn-
er promo, spot for Wallpaper Ware-
house. (PRM-OH)
- 620 WSUN FL, St. Petersburg 10/9 0058-0105
Fair, slight QRM 0058-0105 w/country
mx, mentioned Bay Area, Apollo Beach
and "Sun Country" promo. (PRM-OH)
- WTKJ WI, Milwaukee 10/8 0641 YL anncr mor
"W-T-M-J your place for music in
Milwaukee." Finally, I get a station
in a much wanted state, #33. (BL-CT)
- 630 WLAP KY, Lexington 10/9 1534 fair-poor,
almost alone, slight QRM. Toyota
spot, mention Mall and Lexington
Center, then into rock 1534. Sports
report 1536. (PRM-OH)
- 690 WADS CT, Ansonia 10/4 1033-1041 Pop or
mor format, many lds, extreme amount
of QRM from WNBC. (DF-NY)
- 700 WLW OH, Cincinnati 10/2 1310-1313 ID,
then spot for show at the Palace
starting 10/24, foll'd by Hardware
spot, then promo for "I Love You
Cincinnati" T-shirts (local phone #
749-3420). QSL is in the mill.
Fair signal. (WPT-MD)
- 730 WAGE MA, Chicopee 10/4 1100-1105 "you're
listening to 950 radio" (That's what
he said), spot for talk show this
evening (# 737-3211) "on WAGE" into
CBS news. New. (DF-NY)
- 790 WAMB PA, Allentown 10/7 1800 James Taylor
Rock, "if anyone should ask, you
listen to 79, WAMB, Allentown" ID on
the hour into more Top-40. (DF-NY)
- 810 WGY NY, Schenectady 10/4 1105 spot for
Sears, end of NBC news into WGY news
First daytime reception. (DF-NY)
- 810 ???? UNID, 10/13 0018 Morse code, test
probably. Pretty good signal.(BL-CT)
(ed: very interesting, did you tape
it by any chance?)
- 850 WEAT FL, West Palm Beach 10/2 0108 FL nx,
wx report (temp 75°F/24°C) s/off
with NA 0110 (WPT-DC)
- WRUF FL, Gainesville 10/9 0147-0159 fair
ON auroral morning w/rock, 0147-0159
promo mentioning 50 years on air,
then NBC nx 0200. QRM from SS stn
(unID) and other, briefly. (PRM-OH)

- 870 t WCHU NY, Ithaca 9/28 1844 T-40 mx fair
u/WFLO. (WPT-DC)
- 880 t WRRZ NC, Clinton 9/27 1846 Talk by OH.
Poor u/WCBS. (WPT-DC)
- 910 WGAF GA, Valdosta 10/9 0250-0330 poor to
good, fadey, w/rock mx, automated
0250-0330, a few "91 GAF" or "WGAF"
jx's. QRM from unID rock and unID
Spanish. (PRM-OH)
- WRCQ CT, New Britain 1815-1817 Fortunate
to be on right freq at right time.
Heard this one vaguely way under
WRKL until latter's s/off at 1815.
Then "Oh Darlin'" and "91-Q" ID Bob
Mitchell "with you till 11:00 PM" &
wx "for Hartford area" into Joe
Cocker mx, all of a sudden - blank!
Pattern change? Very clear while it
lasted. (DF-NY)
- 920 WMEL FL, Melbourne 10/2 0145 wx report
(Temp 80°F/27°C). T-40 mx. Good
for 1000 watts. (WPT-DC)
- 930 WWNH NH, Rochester 10/12 0243 anncr read
The latest NHL hockey action, ID &
frequency, "this is W-W-N-H AM 930"
Mx by the "Cars", "Just What I
Needed". Poor signal but audible.
(SM-MA)
- ???? UNID, 10/12 0232 w/mx by K.C. and
The S.S. band. Very good signal.
(SM-MA)
(ed: what is K-C and S.S. band?)
- 940 WINE CT, Brookfield 1107-1110 Top-40 mx,
ID "W-I-N-E", New. (DF-NY)
- 960 CKWS ON, Kingston 9/22 2308 good in WFIR
null w/Smith Bros. Jewelry spot,
"96WS" promo, ment of Sudbury and
Kingston into "Magnet & Steel".
(PRM-OH)
- WHYL PA, Carlisle 9/28 1855-1905 Top-40
Format, ID's as "Y-96", spot for
Carlisle shopping center & wx.
(DF-NY)
- t WRFC GA, Athens 9/27 2000 wx report
(Temp 72°F/22°C). Fair amid QRM.
(WPT-DC)
- 980 CKGM QU, Montreal 10/12 0227 occasional
fading w/QRM from WTRY. "Grease"
Frankie Valee-Valee. (SM-MA)
- WRC DC, Washington 9/22 2311 good w/nx
o/unID. Ment "phone lines for WRC
radio" at 2311. (PRM-OH)
- (+) 10/3 1845 Noted off the air, (also
off 10/2 0018 during PoP test, WRC
usually NSP). Returned to air 1847.
(WPT-DC)
- 1010 WTRY NY, Troy 10/12 0225 Good. (SM-MA)
- WELS NC, Kingston 10/1 1827 "____", NC,
signing off" by OH. Fair u/WSID.
(WPT-DC)
- WINS NY, New York 10/12 0221-0224 "Ex
Radio", taped stn ID. W/nx head-
lining story about a Sex Pistol
member who's been accused of mur-
dering his girlfriend. (SM-MA)
- 1050 CFYN ?? ? 9/22 2342 good with
"Grease", donuts spot, wx (3°/20°),
o/CHUM/WNN. ID at 2342. (PRM-OH)
(ed: 3°/20° are not compatible)
- 1060 WNCE LA, New Orleans 10/2 0040 NFL
scores, wx forecast. Fair-good.
(WPT-DC)
- 1070 CHOK ON, Sarnia 9/23 0005 good in null
of loud WIBC w/western ON sports,
wx 0005 into country mx. (PRM-OH)
- WKMB NJ, Stirling 9/30 1719-1800 "WKMB-
1070 Radio" IDs, downplayed Top-40
mx, s/off at 6:00 PM (why so early?)
(DF-NY)
- 1080 WBCQ ?? ? 9/17 1843 Gospel or
country stn weak u/QRM, TC 1843,
"WBCQ" jx. (PRM-OH)
(ed: Paul, should this be UNID?)
- WKLO KY, Louisville 9/22 2358 Fair with
rock at 2358 o/u/WTIC/other.
(PRM-OH)
- WTIC CT, Hartford 10/12 0159 w/Gerry
(Jerry) Rafferty "Right down the
line", moderate QRM. (SM-MA)
- 1150 WCUE OH, Cuyahoga Falls 9/22 2048 good
w/rock, TC o/Reds game. (PRM-OH)
- WNDB FL, Daytona Beach 10/1 0330 ID,
ment of Daytona Beach by OH. Fair.
(WPT-DC)

1160	WRUN	NY, Utica 10/9 1918 T-40/ Disco mx Very poor signal. (BL-CT)	1420	WHK	OH, Cleveland 10/12 0128 poor signal, but audible. Nonstop mx, w/stn ID and time check. (SM-MA)
	WJJD	IL, Chicago 9/29 1320-1324 c/w mx, then Eastern Airlines spot. Electronics firm spot at 1322 (local phone no. 422-3535). Start of Paul Harvey pgm at 1300. Fair through slight machinery QRN. My farthest midday catch at 600 miles. QSL is in the mill. (WPT-MD)		WLNA	NY, Peekskill 10/6 1020-1055 ON-J mx from "Grease", TC "10:20", later spot for A&P & "WLNA" ID & news at 1055. Some QRN. (DF-NY) (ed: Hope others know what ON-J mx is. I sure don't.)
1170	CFIX	ON, Cornwall 9/27 1945 talk by OM, Fair u/WVVA. (WPT-DC)	1440	WRDD	MI, Bay City 10/5 2035 ex-WBCM, no QRM 2035 w/country mx, "Big Red Radio, WRDD" jingle. (PRM-OH)
	WHLW	NJ, Lakewood 9/26 1842 T-40 mx. Temp 56°F at Jersey shore. Good signal. (WPT-DC)	1470	WFAW	PA, Farrell 9/23 2008-2016 good o/u/WOMO w/countdown of rock songs. (PRM-OH)
	WWVA	WV, Wheeling 10/12 0213 had rlg's pgms first, Pastor Dave Epley and gave address of his ministry. (SM-MA)	1480	WABB	AL, Mobile 9/29 1958 spots for Higbee Drugs and Federal Ford, ID. T-40 mx. Good. (WPT-DC)
1230	WFAS	NY, White Plains is now 24 hrs, as of mid-September. (DF-NY)		WDAS	PA, Philadelphia 9/25 1844 ID by YL soul mx. Good. (WPT-DC)
1280	CJJD	ON, Hamilton 9/25 0051 fair w/spot for Burlington Toyota, "1280 CJJD" ID at 0051. (PRM-OH)		WLEE	VA, Richmond 10/10 0752 good o/unID QRM w/news, several IDs 0752, sun already out when heard. (PRM-OH)
1290	CJBK	ON, London 9/22 2030-2038 good but Tadey 2030-2038, ID w/rock. WRM from Reds game. (PRM-OH)	1500	WKER	NJ, Pompton Lakes 10/6 1010-1020 a Toughie, but unneeded. Heard 1010-1020, ment of "Kerr-Radio Park", (studio location) "WKER" jx, ment of "Mighty 1500-spot" into Captain & Tennille mx. Pop format not entirely Top-40, some mor. First time heard in 6 months. (DF-NY)
1320	WEEW	NC, Washington 10/3 0600 s/on with ment of 500 watts power. Fair signal. (WPT-DC)	1530 t	KGFT	TX, Harlingen 9/26 2212 LA song by YL. Fair-poor u/WCKY. (WPT-DC)
1330	WFBC	SC, Charlestown 10/9 0249 Fair w/wx, ID into rock 0249 w/QRM. (PRM-OH)		WJDM	NJ, Elizabeth 9/25 1828 c/w mx. Good. (WPT-DC)
	WHOT	OH, Campbell 9/22 2019 good w/rock, High School football predictions, ID, wx o/unID rock stn. (PRM-OH)	1550	*WMOO*	AL, Mobile 10/8 0145 good w/test Xmsn. (SC-NY)
1350	CJLM	QU, Joliette 10/5 2110 FF rock mx, FF anncr, commercials with ments of Quebec. "CJLM" ID 3 times in last commercial. Call letters were really slurred by DJ, I couldn't understand until 3rd time. (It came in very clear, unexpectedly, for about 2 mins. At first thot it was WNLK in CT!) (DF-NY)	1560	WQXR	NY, New York 9/25 1827 Stock market reports, plug for Saks 5th Ave. store. Xlnt 35 mins before sundown. (WPT-DC)
	WHNE	VA, Portsmouth 10/12 2315 finally ID'd the country stn w/YL anncr. ID's as "Honey-1350", formerly WKLX "Tidewater". o/u others on 1350. Hank Williams mx, among others. (Heard w/Lafayette rcvr.) (DF-NY)		*????*	UNID, 9/25 0112-0130 ET country songs segued or nothing at end of song except DJ said, "Here we go again" 0120. Just a WQXR OC ID at 0117. (PRM-OH)
	WZIX	PA, York 10/12 1947-1950 about 3 or 4 stns of equal strength on 1350, this only one positively ID'd, with "WZIX" at 1950. Top-40 mx, OM DJ. (Others - country mx w/YL anncr and another Top-40 plus a million others, hi! Sounded like a GY freq. (DF-NY)	1570	WBUX	PA, Doylestown 9/25 1834 mor song by YL. Good 30 mins before sundown. (WPT-DC)
	+	10/14 1923 caught ID, something IX, in bit of a mess on 1350 & verified on tape replay that it was WZIX. (BC-VT)		WLDN	MA, Westfield 10/7 1815 ex-WDEW, s/off. (BL-CT)
1360	WSAI	OH, Cincinnati 9/25 2203 ID, mx. Surfaced atop mess. Fair signal. (WPT-DC)	+		10/13 1738 using tip from (BL-CT)'s report found at least two stns mixing w/CKLM. Finally got promo on contest sponsored by "Westfield Evening News". New for me. (BC-VT)
1380	WTOB	NC, Winston-Salem 9/23 2002 NC State-West VA football game. Good atop mess. (WPT-DC)	1580	WCCR	IL, Urbana 9/22 2002 fair w/s/off at 2002, just heard fragments, but enough to ID. (PRM-OH)
1390	CHOO	ON, Ajax 9/25 0055 good w/country at 0055 in QRM of Gospel mx, TT. (PRM-OH)		WJVA	IN, South Bend 9/23 1950 fair w/ID at 1950, "Release Me". (PRM-OH)
	WEOK	NY, Poughkeepsie 10/11 1155 tough w/WBNX slop, 50's mx, ID "WEOK" and into rock mx (Top-40) (Has pop/mor format, I believe.) (DF-NY)	1590	WNTS	IN, Indianapolis 9/23 1830-1900 Gospel show then s/off 1900, said "Daytime AM station...with programs and music to touch your life". no SSB. (PRM-OH)
????		UNID, 10/9 1829 Help! Heard the following: "...by the order Federal Comm. Comm., WTDO(?) now signs off. WTDO(?) will return tomorrow morning. For more music tune to WTDO-FM 94.3 (Definite frequency for FM)." Can't find a WTDO in CW. Anyone w/NRC Domestic Log, please check if there is any station that sounds like WTDO, and if possible find out if it has an FM station on 94.3. (BL-CT)	1600	WINX	MD, Rockville 9/23 0025-0100 fair-very good w/rock 0025-0100, promo WINX Bumper Sticker Contest. QRM from WWRL/CH. Padey. (PRM-OH)
		(ed: Can't help, Bryan, but you sure gave a good clue.)		WNST	WV, Milton 9/22 1945 good but local QRM w/ s/off 1945, mentioned Tri-State Area. No SSB. (PRM-OH)
1410	WPOP	CT, Hartford 9/25 1841 promo for weekly CT Lottery. Xlnt 20 mins before sunset. (WPT-DC)		WWRL	NY, New York 9/23 0058 fair o/u-WINX w/soul mx, nx 0058, ID 0100 into disco connection. (PRM-OH)
			1580	WYFA	Oooooops, missed one, please add: NY, Patchogue 10/6 0835-0935 mostly Top-40 mx. Scott Taylor, DJ & Drew Scott mx. When I first tuned in, there was ment of "Music Countdown" contest beginning (call in later); so I thought I would try for it. When it ended 1 hr later, they wanted first caller; and, would you believe, I was! Scott Taylor expressed appropriate amazement! By the way, this is the first time I have ever heard this station (never got WSUF or the other one). Good groundwave signal for stn never received before! (DF-NY)

//////////

DX TESTS

1250 WNVL KY, Nicholasville 10/9 DX TEST fair 0203-0213 w/"The Stripper", other instrumental mx into TT, IDs, address, mention NRC. Generally equal to QRM. (PRM-GH)
1350 WAVC GA, Warner Robbins DX TEST tried 10/9, several rock songs heard u/-WSLR but no IDs or TTs heard. 0211-0217. (PRM-GH)

////////////////////////////////////
FOR THE LINE

610 WSHG CT, Torrington last night 10/12 I tried to hear their scheduled test. I did hear some tones (no ID, of course); but at about 2 minutes before the test was to begin, when it was scheduled to begin, the tones I had been hearing disappeared. If WSHG is on the air, their pattern must be extremely northerly or westerly in direction. They have a phone number, so they must be real; but I can't get them. (DL-CT) (ed: I've never heard 'em either.)

////////////////////////////////////
CONGRATULATIONS TO ISSUES

- 3C-NY Shaul Geder, 1481 Belmont Place, Far Rockaway, NY 11691 Lafayette RA-600 w/spiral loop
- 0F-NY David Fontanez, 87-17 97th Ave., (2R) Ozone Park, NY 11416 Fisher MC-2000 + McKay Dymek RA-7
- BL-CT Bryan Lee, P. O. Box 69, Brooklyn, CT 06234 TRF + longwire
- SI-MA Steven D. Miller, 368 Quincy St., Boston, MA 02125 revr?
- IRM-OH Paul Mount, 35 1/2 W. Columbus St., Nelsonville, OH 45764 TRF only
- WPT-DC Bill Townshend, 4500 Conn. Ave., NW # 901, Washington, DC 20008 Realistic TRF
- WPT-MD Bill Townshend DX'ing during lunch break at work site, Marlow Heights, MD
- BC-VT Bob Curtis, 17 Cobbleview Dr., Colchester, VT 05446 SP-600 + longwire

Congrats to Bryan Lee on completing his first year of DX'ing. Best wishes for another successful year.
Good luck to Paul Mount at his new location in Ohio. Have fun building up your new totals.
To David Fontanez: Hope you make out ok in getting up the new longwire. Be careful and watch out for power wires.

73 and good DX Bob Curtis

central dx roundup
Bob Lazar
511 W. Doty St.
Apartment 208
Madison, WI 53703

Deadlines: Tuesdays 10/31, 11/7, 11/14, 11/21 etc.

- 590 WOW NE Omaha, 10/16 0158-0211 Promos for History of rr pgm, garbled ID, rr mx, ID w/ calls, wx (temp. 40). Signal fragmented by QRM, mainly from CMW, in WPLO null. (JL)
- 660 WESC SC Greenville, 10/15 0733-0748 Religious mx, wx (temp. 39), TC, promo for First Freeze Contest, calls. Signal faint w/ QSB, mixing w/ unID stn. (JL)
- 680 KFEQ MO St. Joseph, Fair thru WMPS OC 0312 10/9 w/ ID & cw mx. (GT) 10/16 0217-0221 wx, ID: "68-KFEQ", cw mx, TC. Signal poor w/ QSB, QRM mainly from KKYX. WMPS apparently off. (JL)
- 770 WABC NY New York, 10/15 2052-2055 ID: "WABC mx Radio", ads for hair stylist, the show Beatlemania, the Donna Summer Show, rr mx. Signal poor w/ QSB, fast flutter.
- 880 KRVN NE Lexington, 10/15 0720-0725 //(JL) ID w/ calls, Jim Rundal Agriculture Rpt. Signal good to poor w/ QRM from unID SS stn. (JL)
- 1030*KCTA*TX*Corpus Christi, 10/10 0212-0216 Fragment of piano mx, then: "This is KCTA, 50,000 watts, in Corpus Christi." OC, ID repeated, cw mx. Signal Xlnt, demolishing KTWO, XEQR. (JL)

- KTWO WY Casper, 10/10 0200-0208 NBC nx, Midnight Cowboy prm announcement w/ ID, cw mx. Signal fair to poor, fluttering, w/ QRM from XEQR, in WBZ null. (JL)
- 1140 WRVA VA Richmond, 10/9 0300-0309 NBC nx, "Big John" theme for John Trimble Show, ID w/ calls, cw mx, wx (temp. 38), another ID. Signal fair to poor, broken up by XEMR and that Cuban jammer. Local WJBO off. (JL) //(JL)
- 1170 WCOV AL Montgomery, 10/15 0813-0818 Alabama Newsscope religion pgm, MoR mx, SID. Signal fair w/ QRM, splash from WJBO.
- WVVA VA Wheeling, 10/9 0225-0232 cw mx, ID w/ calls, "Truck Drivers' Weather Report", Football scores. Signal faint w/ QSB, QRM. KV00 off. (JL)
- 1510 ???? ?? UNID, WLAC off 9/18 from at least 0230-0254 and 2 stns audible: one w/ continuous male dialogue; one w/ rock & oldies. Old WMEX has been hrd here before so WITS is probably one, but no ideas for the other (i.e., the rocker). (GT) (Possibly CJRS in PF if you didn't hear any EE talk on it-ed)
- 1530 KFBK CA Sacramento, Audible every MM so far this season during WCKY SP. Fair 0306 10/9 w/ ID's & wx in "downtown Sacramento." (GT)

DX TESTS

- 850 *KFUO*MO*Clayton, 10/16 0228-0235 TT then: "This is KFUE-Radio, Clayton, in Greater St. Louis." Program discussing USDA regulations. Signal fair to poor mixing w/ KOA and undergoing QSB. (JL) (GT)
- 1000*WSUM*OH*Parma, 0100-0200 9/18 Tried, not hrd.
- 1250*WNVL*KY*Nicholasville, Poor-fair on 10/9 DX test w/ frequent ID's, TT's, & mx 0200-0230. Mention of NRC, phone #, etc. Called (25th caller) & reported. (GT)
- 1350*WAVC*GA*Warner Robbins, DX test tried 0230-0300 10/9 & TT's noted NE but no voice. Repeated phone calls only got busy signal. (GT)

A TIP OF THE HAT TO THESE CDXR REPORTERS

- JL - JOSEPH LANDRY, 11643 Baylor Dr., Baton Rouge, LA 70816 (Realistic TRF, 350' LW)
- GT - GERRY THOMAS, 2355 W. Michigan Ave., #460, Pensacola, FL 32506 (FRG-7, TRF, 4 foot active box loop)

REPORTING GUIDELINES

The following are a few general guidelines for reporting CDXR and my policies concerning the column:

- 1.) All logging reports should have the following information: frequency, call letters, state, location, date and time of reception, program details, details on reception quality and the reporter's initials. Basically, include everything that is included in the published reports as the ones you see above.
 - a.) Date and time are Eastern Local Time.
 - b.) Program details can range from a simple description of the type of music being played to a list of several specific program details heard. Long lists of program details should be avoided.
 - c.) Reception quality descriptions should include an assessment of the general quality of reception ("good", "poor", etc.) and information on any interference.
- 2.) Reports should be submitted on one side of a sheet of paper only and should be double spaced between reports. This is because reports are cut up and arranged in frequency order. (Thus it is not necessary that your reports are in frequency order.)
- 3.) I will be listing DX tests and regular frequency check separately so please separate these on your reports. Although I haven't received any yet, reports on frequency checks per the list will have that same simplified format that has been used in CDXR in the past. Reports should include the day of the month, frequency, state and call letters of the station heard. Any differences from the frequency check list should be noted.
- 4.) I've been asked about my policy on reporting relogs (stations that you've heard before.) I would have to say that it depends on how good a catch it is. If you feel that it is a real

good and unusual DX catch, by all means report it. If it is a catch that is heard from time to time in your area without too much difficulty, I'd say that it would not be worthwhile to report it. Equipment tests are probably exceptions to this rule due to their irregular nature. Personally, I usually don't report relogs unless they're of the super exceptional nature such as west coast or Maritime stations.

5.) I strongly discourage (and am likely to edit) logging reports of 50kw non directional stations within a radius of approximately 1000 miles of the station. The same goes for directional 50kw's in the direction that their pattern favors. Reception of these stations within this distance is generally not that difficult and not of enough interest to include in the column.

6.) No reports of Alaskan, Hawaiian, Mexican or other foreign loggings will be included in CDXR. These should go to DXWW. The only exception will be reports concerning Mexican, Cuban or other stations that cause interference to domestic DXing. These reports should not be of the logging type but rather should be of the schedule change/power change variety.

Well, there's the DXer's Complete Guide to Reporting to CDXR. Hope I didn't scare anyone away. Actually, all the reports I've received so far have been quite good so I don't have anything to complain about. But, anyway, hope this has been of interest and help to you. Keep reporting. 73 till next week.

 NANCY HARDY, Editor
 2201 PACIFIC AVE.
 ABERDEEN, WA 98520

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: Thursdays, 11/2, 11/9, 11/16.

REPORTERS FOR THIS ISSUE:

- (MB) Mark Bixby-1627 Highland Dr.--Newport Beach, FRG-7, wedge CA 92660
- (DG) Dan Gradin-27540 SE Chase-Gresham, OR 97030 HQ-180, NRC loop
- (NH) Nancy Hardy-2301 Pacific Ave.--Aberdeen, WA FRG-7, SM-1 98520
- (JJ) Jef Jaisun-12860-136th Ave. NE-Kirkland, WA Hammarlund SP600, wedge 98033
- (PN) Pete Nolan-P.O. Box 1524-Eugene, OR 97440 CMS-66, SM-2
- (bp) Bruce Portzer-6546-19th Avenue NE-Seattle, HQ-180A, FRG-7, 4' box loop, WA 98115 longwires
- (RW) Robert Wien-945 Desert Isle Dr.--San Jose, CA GE TRF long-range portable, SM-2/95117
- (TW) Ted Wilson-1001S. Tamarack Dr. Apt. 1-Fullerton, CA 92632 Modified FRG-7, loop antenna

- *****
- 551 ---- CA, 9/14 0235 fair CW beacon here repeating "MZ." Was only here for a couple of days. Any ideas, LW people? (MB-CA)
 - 570 KVI WA, Seattle 10/2 0309 poor in KLAC absence w/TC, ID, and into Anne Murray song. (MB-CA)
 - 590 *KTHO* CA, S. Lake Tahoe 10/9 0322 xlnt on ET, "hum" tone, one ID at 0325, then weird "synthesized" tone. (RW-CA)
 - 620 KWSO CA, Mount Shasta 2113 10/16 u/KGW finally ID'd on Mt. Shasta ment in the wx; anncr had read 12 min. of AP CA nx, no way of knowing if it was this or needed KINGS. MOR/EZL mx before & after til s/off. (PN-OR)
 - 630 KWRO OR, Coquille 10/3 0944 good on SRS, well o/KIDD & KOH, playing "The KWRO Rocker #4." (RW-CA)
 - 660 ?KOWH? NE, Omaha possibly JJ's KOWH, EE relig & gospel noted 0750-0820 uninterrupted and w/no ID's, gone at 0830. Too late for WNBC or WESC, I think. (PN-OR)
 - 690 KHEY TX, El Paso 10/14 poor to fair 0351 w/C&W mx (no XETRA of course!) 0405 "On your dial on KHEY" jingle. (MB)
 - 710 KEEL LA, Shreveport 10/16 0500-0505 nx and local wx checks. Very weak in KIRO SP & QRM. (JJ-WA)

- 830 KIKI HI, Honolulu 10/2 0328 fair w/no sign of WCCO, had "We do it for you on KIKI" jingle. (MB-CA)
- 860 KTRB CA, Modesto 10/14 ID 0415 w/soft mx. (TW-CA)
- 860 ?CJBC? ON, Toronto 10/9 0640 noted a FF speaking station on top, but no ID's. (DG-OR)
- 910 KORD WA, Pasco 10/3 0933 w/"91 Kord" and KORD ments during commercial segues, out of/into C&W mx; u/KNEW/KURY.(PN)
- 920 KVEC CA, San Luis Obispo 10/6 2342 just above the 920 mess for a second w/a mention of "the San Luis Obispo Republican nominee," then gone u/KOLO/KORK/KXLY. (RW-CA) (Hear an ID?-NH)
- 920 KORK NV, Las Vegas 10/14 ID 2300, football game. (TW-CA)
- 960 KOOL AZ, Phoenix 10/14 ID 0000, Sundevils football game. (TW-CA)
- 970 KAYT ID, Rupert u/KYTE 10/15 w/farm ads for dealerships in Burley, into ID 0822 and agricultural mx. (PN-OR)
- 980 (KFWB) CA, Los Angeles 10/2 0312 noted totally off. My thanks to their CE who called me up & told me about this the week before. (MB-CA)
- 980 KUPI ID, Idaho Falls 10/14 0810 xlnt, wiping out both KFVB & CKNW w/powerhouse signal. "Cupee wx" & ad for local hardware store, ID "This is Ku-pee, K-U-P-I country." (RW-CA)
- 980 KMBZ MO, Kansas City 10/2 0330 poor w/legal ID, & into relig mx. New here, KFVB off. (MB-CA)
- 980 CKNW BC, New Westminster 10/2 0400 poor to Fair w/"NW News", sx, wx. 0405 "CKNW--the one to turn to" jingle. KFVB off. (MB-CA) (SX--spots, sports, stocks, studios? Maybe we should avoid that abbreviation.--NH)
- 1030 KTWO WY, Casper 9/18 0201 good w/s/off anncts. The last thing said is "The next sound you hear is a Bill Becker Oldsmobile." After this there is about 30 seconds of OC. Appears to be regular. Very strange. (MB-CA) (This is a weekly MM s/off; evidently sponsored.--NH)
- 1110 *KRLA* CA, Pasadena 10/9 0455 TTing w/ID as "KRLA, Pasadena." (DG-OR)
- 1110 KFAB NE, Omaha 10/14 0116 highly unusual reception, wiping out KRLA on xlnt cx to midwest. Didn't fade for about 10 min. ID "You're listening to Serenades in the Night on KFAB, Omaha," o/EZL.(RW)
- 1120 (KPNW) OR, Eugene-Springfield noted off 0328 10/9. Left OC on, weak KMOX in its null. (bp-WA)
- 1220 KLIP CA, Fowler 10/15 0916 good w/KIBE nulled on PSA. Relig. program "The Saviour Hour," ad for Fresno bookstore at 0930. (RW-CA)
- 1230 KPRQ UT, Murray 10/9 0207 way u/KRDG& KGAM w/ad for sunglasses sale at Skaggs' drug store, then SID "K-par-Q--12-30!" then gone totally. (RW-CA)
- 1240 KPOD CA, Crescent City 10/15 ID 0220, rock mx. (TW-CA)
- 1240 *KPPC* CA, Pasadena 10/15 ID 0240 voice popped up & said "test" "KPPC, Pasadena", tone. (TW-CA)
- 1240 KESE CA, Monterey 10/3 1021 must have changed calls last week, ex-KBMY. Heard ID as "K-ease, KESE, a touch of class," mx is more gentle rock than harder rock of old KMEY. Actually MOR'ish. (RW-CA)
- 1240 KSUE CA, Susanville on top of GY mess 10/16 0230-0250 w/top 40 mx & 0230 ID only, straight mx otherwise. O/KFLY, KELK, others. (PN-OR)
- 1250 WREN KS, Topeka weak IDs noted u/KNEU 0806 and 0829 10/16. (bp-WA)
- 1250 KIKC MT, Forsythe much-wanted finally hrd occasionally topping KNEU 0809-0831 w/C&W mx, had IDs as "Kicks" and "Radio Ranch." (bp-WA)
- 1250 KNEU UT, Roosevelt generally dominant o/KIKC/WREN w/C&W mx 0808-0830 10/16. KYAC off until 0830, then put on OC & resumed RS at 0832. (bp-WA)

1260 KPOW WY, Powell 10/15 0936 wiping out KGIL in KYA null. Promo to follow the Univ. of WY Broncos football on "your station for sports, 1260 radio, KPOW." Actually audible u/KYA w/ antenna pointed at S.F.! (RW-CA)

1270 KTLC ID, Twin Falls 10/14 ID at 0300, w/ good mx and wx. (TW-CA)

1270 KCVL WA, Colville 10/15 2058 s/off then into SSB. Good w/CHWK nulled, no sign of KBAM. (NH-WA)

1280 KVOV NV, Henderson-Las Vegas 9/11 2134 poor in KFRN null w/black soul mx. Had spot for "Kickoff" football px at 2135. (MB-CA)

1320 KCPX UT, Salt Lake City 10/14 0230 good mx. (TW-CA)

1330 KCLM CA, Redding 10/16 0934 ID in KUPL null. (DG-OR)

1330 KGAK NM, Gallup 10/14 0124 weak u/KFAC, KUPL nulled. In w/Gallup High School football. Didn't know they play high school football on week-ends (Sat. & Sun.). (RW-CA)

1340 KDOL CA, Mojave 10/2 0516 ID as "K-DOL Country." (DG-OR)

1340 KMAK CA, Fresno 10/11 0147 ID "1340 Radio, KMAK." (DG-OR)

1340 KSKI ID, Hailey 10/13 0154 ID as "Country KSKI." (DG-OR)

1340 *KPRK* MT, Livingston 10/16 0630 ID as "KPRK on for a frequency check." (DG-OR)

1340 KWVR OR, Enterprise 10/14 2058 heard a SID before their s/off time of 2100, but s/off not hrd due to KIHR QRM. (DG-OR) (Congratulations, Dan. You're the first person I know who has heard KWVR!--NH)

1350 KIDN CO, Pueblo 10/2 o/KRIG 0310-0345 w/ C&W mx, few IDs. (PN-OR)

1380 KRKO WA, Everett noted on after 0300 MM 10/9, probably AN. Hrd amncr say at 0320 "...normally MMs we don't do anything...I talked them into it tonight as something special for ya." That was sure swell of him. (bp)

1390 *KSLM* OR, Salem 10/16 0634 conducting an ET w/power of 5kw. They gave their address & invited all DX'ers to report. (DG-OR)

1400 KAAP CA, Santa Paula 10/7 0331 best reception of this one to date, overriding everything on 1400, including KRE. Promo for the L.A. Rams to be heard on KAAP, ID "Cap, K-A-A-P, Mu-u-sic!" (RW-CA)

1430 KCLK WA, Clarkston 10/6 0916+ to 0928 in well o/u KLO w/C&W mx and numerous Lewiston/Clarkston ads. Mention in one seque of "41 degrees here on the heights," so perhaps they're not down in the Snake River Canyon and as inaccessible as thought?(PN-OR)

1450 KBPS OR, Portland s/on atop channel after SSB 0859 10/16. (bp-WA)

1470 KXOA CA, Sacramento new calls logged, ex-KNDE. "AM-14" w/AOR format and few IDs. 10/15 2140, w/KSEM, KELA.(PN-OR)

1490 KBLF CA, Red Bluff 10/11 0830 s/on after the NA. (DG-OR)

1490 KOFE ID, St. Maries 10/15 0900 s/on ID o/ everything. (DG-OR)

1490 KVOG UT, Ogden 10/13 0428 ID, on AN w/top 40 mx. (DG-OR)

1490 KENE WA, Toppenish 10/14 2150 ID & mention of Toppenish--all of this in SS. (DG)

1490 KOJO WY, Laramie 10/11 0802 ID "6:02 at KOJO." (DG-OR)

1490 KUGR WY, Green River 10/12 0200 s/off, a real surprise here w/a good ID on top of everything else on the freq. (DG-OR)

1510 KIRV CA, Fresno 10/15 1001 SID on top w/ KGA still off. (DG-OR)

1510 WINU IN, Highland 10/15 0801 s/on ID after NA, w/KGA off. Very poor sig. w/QRM from other daytimers on the freq.(DG)

1540 (KPOL) CA, Los Angeles noted off nightly around 0300 from 9/26-10/1. (MB-CA)

1560 KPMC CA, Bakersfield 10/7 0728 fair w/SSB, into Mexican mx at 0730, SS OM ID at 0733. (MB-CA)

DX tests tried for but not heard:
 WNVL-1250 KY (RW-CA)
 WAVC-1350 GA (RW-CA)
 KFUO-850 MO (RW-CA) & (PN-OR)

October f/c's heard per the list:
 2nd MM KBMY-1240 MT (RW-CA)

UNID'S:
 860 10/9 0313 unID C&W noted well u/XEMO, is KOAM NSP? Good cx to east. Patsy Cline at 0316, also Freddy Fender. No IDs, soon faded out. HILR wouldn't play this, huh? (Better ask DXWW that.--NH) Maybe an unID ET'er, also. (RW-CA)

960 10/16 0313 unID "hum" TT noted u/KABL, looping N/S. (RW-CA)

1350 KIVM? 10/7 0321 heard some preacher o/u KRIG & KIDN, mentioned Hawaii several times. Fade pattern similar to KORL at the time makes KIVM a possibility. KCKC unlikely as they're never heard now at nigh. (RW-CA)

1400 10/15 0938 heard somebody in there w/ID "Win Big Bucks on 14--K??A" The "A" is definite, not KVEG or KONG. C&W format, looped ENE. Ideas? (RW-CA)

1490 10/15 0224 unID w/ID "Listen for you chance to win on KTFM?" Gone immediately. Suspect KTOB may have changed calls, as no FM'ers in Petaluma to simulcast. Any other suggestions? (RW-CA)

Not too bad a column this week. Remember to send your WDXR reports weekly now. Just found out yesterday that come the end of next May Bill and I will have a new little DX'er in the house! We have no children at present, so it looks like this will be our last "normal" DX season for awhile.

~~~~~  
 John Zondlo  
**eastern dx forum** 6617 Maryland  
 Hammond, IN 46323  
 ~~~~~

David Fontanez-87 17 97th Ave.-Ozone Park, NY 11416
 (This DXF received a couple months ago, but inadvertently misplaced. My apologies, David-jz) This is my first Forum, so let me introduce myself: I'm 19 years old and employed as a runner in the Wall Street area of NYC for Maime Midland Bank. Been DX'ing for 5 years, starting with CBF-690 Montreal. Mainly involved with MW, although I DX SW some also. Have verified 11 states, heard 24 plus 3 provinces. I use a Lafayette HA-600A receiver along with a McKay Dymek DA7 antenna (of recent acquisition). My best catch of all time: WPOM Riviera Beach FL on RS with local WWRL off. WPOM is only lkw, so I consider it my best. Recent catches: WTEL Philadelphia at high noon, WCTC New Brunswick NJ (it's about time!), and WSPR Springfield MA o/u WLBK Lebanon PA. For those who care, I count call or frequency changes, but not power changes. That's enough for now. See ya later. 73 de DF.

Michael Dorner-1304 Airline Park Blvd.-Metairie, LA 70003
 (continued from last DXM) Vane Jones lists an XEYUC at 1270, and I heard it in passing one evening, but it was not on the last morning. Music was automated with few commercials and mostly MoR instrumental, that I recall. XEFC, mentioned earlier, was tinny in audio. XEYU 1450, "Cu amiga", runs real Mexican ranchero music with the yips and yees and seems to be the most popular at least with the working classes--at least, it was the station I heard most in stores and a cab. A CP for 650 was not on the air, and is no longer listed in the WRTH. I saw recently in the Federal Register that one of the Merida MWs has authorization for an imminent power increase; I believe that it was XEFC. Finally, the local telephone directory, only a few months old, listed the following transmitter locations: XEYU, XEMQ, and XEQM share a tower at 503 Calle 62nd; XEFC is on the Motul Colonia Mexico Oriente highway; and XEZ is on the highway running north to Progreso. This latter is the seaport for Merida and sits on the northern edge of Yucatan. (continued in next DXM-jz)

Bryan Lee-P.O. Box 69-Brooklyn, CT 06234
 DXing has been cut to the extreme. Lack of time for much DXing has brought only two new catches in 1 1/2 months: WFBC and CKTB. TDH is now 412 (342 US, 70 Canadian). Come this October 30th will be my first year of DXing. Stations verified is a measly 33 of 52. Hopefully this coming season will improve that record. My most wanted verie still has not arrived even after a follow up report, the station being KRNG from Tulsa OK. I think WARE-1250 is using their new antenna already, as they are as never before, a constant night pest. Hope the FCC doesn't approve WKND-1480's move to 620. That's all I need, another station on 620! Anyone know if Canadian stations ever test? (they do, but need CRTC permission; we've had a few Canadian DX Specials-jz) Anyone out there burning to call CFFB 1210 from Frobisher Bay, NWT? If so, the # is (819) 979-5333. It took 5 operators in 4 provinces and the state of CT to track down just the area code! In all, the phone number took 11 minutes to track down!! hi. 73s.

Paul Mount-35 1/2 W. Columbus St.-Nelsonville, OH
 45764-(614) 753-3280 7-8AM & 10:30p-12:30a best
 I can't imagine your not knowing Nelsonville, hi, so here is some information about my new DX location. I live in a 5 room wood & brick apartment over

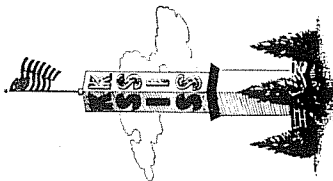
Robinette Hardware, half a block from Public Square in downtown Nelsonville, population 4,769. Even with all 6 flourescents off, there still is a lot of line noise. Using the TRF on battery helps. The only real locals are AM & FM WATH 970/105.5, WOUB 1340/91.5, and WLCN 1510/98.3. We're a block off US33, 10 miles NW of Athens and 11 1/2 miles SE of Logan in SE Ohio, part of the Wayne National Forest. (There are mountains in the distance in every direction.) Most Columbus AM/FM/TV stations are received with good to poor signals. So far I've logged 92 stations from 17 states and 1 province. Heard CFYN on 1050 mixing with CHUM and WHN. What is the city of license of this station? Best catches so far are WCCR-1580, WINX-1600, and WAKY-790 at 8AM. One of my goals is to hear NJ. I'm still trading SCs, airchecks, although I don't get NYC stations as well anymore, hi.

Mark Connelly-52 Amsden St.-Arlington, MA 02174
 Boston may soon see a shuffle of transmitter sites for some of its stations. WCAS-740 announced that it was petitioning FCC to allow it to move from its present Concord Ave., Cambridge, site, at which it maintains a 250 watt transmitter, to the Medford site presently used by WILD-1090. This would entail a power increase to 1kw (still daytime-only). Of course, adjacent channel occupants WHEB, WJTO, and WACE will have to be consulted. For some time WITS-1510 has wanted to move from Quincy to a site southwest of Boston, such as the Dedham-Needham-West Roxbury area near WUNR and WHDH. Such a move would allow a pattern that would permit night-time operation with 50kw. WITS's present 5kw night signal is notoriously poor inland, clobbered by co-channel CJRS and slop from WKBW and WTOP. Angry Red Sox listeners frequently call WITS, complaining about lousy reception on their car radios. Maybe WILD would be interested in getting the Quincy site for its non-directional daytime operation, soon to be increasing power to 5kw. (continued next DXM-jz)

Niel Wolfish-15 Donwoods Grove-Toronto, ON M4N 2X4
 Hello once again from NW. Latest DX has been little but good. Last MM (9/18) I had planned on relogging WKIG on f/c, by staying up until 0315. But, I managed to fall asleep at 0015. Luckily, I woke up at 0255 and ran to my FRG-7 and sat listening to static on 1580 til 0317, when I said some (nasty) words at them WKIG. Since I was up, I went for WHBF-1270 (WXYZ SP on MM) and wound up with CJCB in Sydney NS for MS #2. No complaints, but WHBF gives away lots of goodies with QSLs. As for WKIG, Doug Miske heard them sign on at 0328 and then he fell asleep. I obviously was given the wrong time for their f/c by the WKIG v/s ('non' v/s). I have to rewrite WKIG a third time because after sending a photocopy of SAM's logging to them the v/s said that she doesn't care if another DXer heard them--she said they were off, and she should know because her husband does the tests. In QSL'ville, CKWW q/1 (forgot to fill in details on letter), CHML and HIJB 830- cards. The first two are nothing exciting, but the last makes me 2 for 2 in the Dominican Republic. I also got a pile of stamps in the envelope from HIJB in return for a few Canadians I sent. My totals are now 440/130 - 29.54% in stations.

I am improving slightly. Interestingly enough, in the states in which I have 10 or more stations...(NY60, OH35, PA33, MI20, IL12, IN, MD and VA10) my percentage verified is bad. My best is 80% in Virginia and my worst 6 of 33 in PA. I have a couple of states with 100%, but they are 1 for 1 or 2 for 2. A news tip for anyone- 560 CFOS now has a 1490 relay, CFPS in Port Elfin, ON. As my parting words, I say--
 Roses are red,
 Our dollar is below par,
 Do me a favour,
 Blow up CFTR. (Rick Heald or Eric Rittenhouse...you can substitute KNBR for CFTR here.) 73's.

Radio Station
KSIS AM-FM
 P.O. Box 1056
 SEDALIA, MISSOURI 65201



ALLOCATIONS
 by Bill Hardy

(Ed. note: This series of short and simple articles on ECE allocations in the U.S. was inspired by the fact that some long-time DXers in the hobby, even my wife, simply didn't understand the differences between the various classes of channels and stations. Most of the info for this series comes straight from the FCC rules. I hope it will interest both new DXers and oldtimers. -EH.)

PART 1 - CLASSES OF CHANNELS

The U.S. broadcast band (ECE), 540 to 1600 kHz, is divided into 107 channels of 10 kHz each. These 107 channels, in turn, are divided by FCC regulation and international treaty into three classifications. There are 60 clear channels, 41 regional channels, and 6 local channels.

Clear channels. The FCC definition: "A clear channel is one on which the dominant station or stations render service over wide areas, and which are cleared of objectionable interference within their primary service areas and over all or a substantial part of their secondary service areas."

The following frequencies are defined as "clear channels":

540	990 to 1140
640 to 780	1160 to 1220
800 to 900	1500 to 1580
940	

As we shall see in later articles, some of these clear channels are reserved for virtually-exclusive nighttime use in one or two countries, while other clear channels allow a greater number of fulltime operations. Thus, some of these channels are "clearer" than others.

Regional channels. The FCC says that stations on regional channels are "designed to render service primarily to a principal center of population and the rural area contiguous thereto." The following frequencies are defined as "regional channels":

550 to 630	1250 to 1330
790	1350 to 1390
910 to 930	1410 to 1440
950 to 980	1460 to 1480
1150	1590 to 1600

Local channels. These are the six channels known as "graveyard" (GY) channels to DXers, although the terms "local channels" or "Class IV channels" (more on that later) are used in the broadcast industry. The FCC says that the stations on local channels are "designed to render service primarily to a city or town and the suburban and rural areas contiguous thereto." The following six frequencies are defined as "local channels":

1230	1340	1450
1240	1400	1490

Next time: We'll define Class I, Class II, Class III, and Class IV stations.
 --Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520



DX RECORDS

HEARD: Dr. Michel Breger
VERIFIED: Steve Moss
GRAVEYARD: Walter Kuenast

CENTEXDX: 7217 Creekside Drive, Austin, Tx 78752.

DOMESTIC VERIFIED TOTALS

TDV: total domestic verified, SV/FV: states, provinces verified, TSV: total stations verified. YR: year started DXing in present location. *: please update totals

NAME	TDV	SV	FV	TSV	BEST	YR
1. Wheeler, PA	1630	50	9	1702	KFAR 660 AK	30
2. Kramer, IL	1577	48	10	1605	KEEN 1370 CA	70
3. Pistek, IL	1095	50	10	1141	KFOD 750 AK	62
4. Eddie, MO	986	49	5	1002	-	67
*5. Kwiatkowski, IL	684	46	9	-	KXXL 1450 MT	70
*6. Portzer, WA	579	42	7	665	-	64
7. Arruda, MA	563	46	9	-	KOKC 1450 MO	63
8. Ayers, MS	382	30	2	390	KFBK 1530 CA	74
9. Morby, NY	285	32	8	305	WCNC 1230 NC	74
10. Ponder, TX	250	34	4	258	KGA 1510 WA	75
11. Davis, GA	239	32	1	250	-	76
12. Allinson, NC	210	41	6	224	-	73
* Mount, NJ	210	33	5	214	KGLC 910 OK	73
14. White, VA	198	35	6	202	-	68
15. Korinek, CA	193	41	5	205	KBHW 1560 MN	75
*16. Orren, WA	171	35	5	171	CA 23 stns.	68
17. Christianson, ME	143	31	5	145	WILY 1210 ILpsa70	70
*18. McClelland, CA	102	31	4	103	KMVI 550 HI	72
19. Wolfish, ON	80	28	8	87	-	76
20. Peterson, CA	61	43	9	165	-	60
21. Beaugard, PQ	50	18	7	57	-	71
*22. McPadden, OK	31	4	163	-	-	-

FOREIGN VERIFIED TOTALS

TFV: total foreign verified (includes Alaska and Hawaii)
CV: countries verified (including U.S. and Canada)

NAME	TFV	CV	TSV	BEST	YR
1. Stanbury, ON	477	119	1371	EU: Free Czech Radio	-
2. Peterson, CA	104	58	165	OG: VHF3 890	60
*3. Portzer, WA	95	34	665	3YW 1460	64
4. Wheeler, PA	78	24	1702	1YA 760	30
5. Pistek, IL	48	34	1141	R. Anguilla 1505	62
6. Kramer, IL	28	17	1605	-	70
7. Eddie, MO	17	15	1002	-	67
8. Morby, NY	15	13	305	Spain 683	74
Korinek, CA	15	8	205	-	75
10. Allinson, NC	14	11	224	-	73
11. Davis, GA	11	12	250	-	76
12. Ponder, TX	8	5	258	Guinea 1403	75
Ayers, MS	8	4	390	-	74
14. Beaugard, PQ	7	9	57	-	71
Wolfish, ON	7	8	87	-	76
16. White, VA	4	6	202	ZBVI 780	68
Mount, NJ	4	4	214	WKAQ 580	73
*18. McClelland, CA	3	4	103	Belize 834	72
19. Christianson, ME	2	2	145	-	70

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Dr. Breger has been in Europe since early June. Reports submitted since that time will be featured in the next edition of DXR-V, to appear in September or October... 7/78

73 & good DX WD5BCK. Steve



ANARC ALMANAC-- Doings in the Association of North American Radio Clubs. Ed.: Father Jack Pejza

Executive Secretary: Dave Broume, 557 N. Madison Ave., Pasadena, CA 91101. IRCA Representatives: Bruce Portzer, John Zondlo, Father Jack Pejza

Club Ondes Courtes Du Quebec is now an Associate Member of ANARC. DXers interested in French DXing can write to Guy Marcotte, 31 de Geneve, Candiac, Quebec, Canada J5R- 3V4.

Two other Canadian clubs have been organized: Club Des DXers Quebecois, 1445 Rue Racine, Ancienne-Lopette, Quebec, Canada G2E 3P4, and Southern Ontario Radio Club, P.O. Box 524, Prescott, Ontario, Canada K0E, 1T0.

Equipment Catalogues and Services

Palomar Engineers, Box 45, Escondido, CA 92025 will mail brochures on frequency standards, VLF converters, loop antennas, and other calibration equipment. Mention ANARC

The Base Station, 2102 Pacheco St., Concord, CA 94520 has new catalogues on SW receivers, public service, police scanners, marine and amateur equipment.

McKay-Dymek Co., P.O. Box 5000, Claremont, CA 91711 has a brochure on their new DR33C General Coverage Communications Receiver. Mention ANARC.

The Scanner Shop, 2124 Lori, Wichita, KS 67201, has a fall line of scanners for VHF/UHF.

SWL Guide, 414 Newcastle Rd., Syracuse, NY 13219, has brochures on SW publications and equipment, antennas and receivers.

Gilfer Associates, Inc., PO Box 239, Park Ridge, NJ 07656 has a new catalogue.

Handicapped Aid Program has a new DXers course on tape. Cost: cassette (each); \$4.50, reel-to-reel, \$5. In US, send to Wayne A. Davis, Director, HAP-USA, 27 Cleveland Ave., Trenton NJ 08609. In Canada: Bill Dulmage, Chairman, CHAP, R.R.3, Colborne, Ontario, K0K 1S0. In United Kingdom: John Rose, Chairman, HAP/UK, 5 Hall St., Wombwell, Barsley, Yorkshire, England. All other countries: send to Canadian address. Tape I: SW Propagation and the Ionosphere; Tape II: SW Receiver Specifications explained; Tape III: Antenna Course; Tape IV: Frequency Management Course. Do not send cash; bank or postal money orders preferred.

125 DXers attended the ANARC convention in Montreal from July 14-16. The HAP auction netted over \$1200.

Nominations are now open for ANARC Executive Secretary from ANARC Club Representatives for the two year term beginning in October. Send to the Executive Secretary.

Washington, DC, Maryland, Virginia, and Delaware DXers who are interested in organizing into a regional club are asked to contact Arlene Luskin, 606 Forest Glen Rd., Silver Springs, MD 20901; 303-593-4411 after 0000 GMT (? PM EDT).

Larry Brookwell, 1826 Cypress, San Diego, CA 92153 is recruiting area DXers for an All-Wave San Diego DXers Club.

Le Club DX Quebecois is now an associate ANARC Club. Address given above.

SPEEDX has a revised 240 page Utility Guide for \$6.95 (\$8.45 first class in North America) (\$9.45 airmail elsewhere in world. US Dollars only. No personal checks outside of U.S. SPEEDX, PO Box E, Elsinore, CA 92530.

Mail sent to Club DX Argentino Internacional has been returned so it appears the club is defunct.

TAB Books has a new catalog, TAB Books, Blue Ridge Summit, PA 17214. Ask for 1978 Catalog No. 16.

DONALD K. KASKEY-465 BURNETT AVE. APT #1--S.F. CA 94121....(415) 647-4848.....
RtHs comments in last issues WDXF are sadly true with the minor exception that my new residence does not lie at the foot of Twin Peaks. Actually we now live just 70 or 80 feet below the summit facing east. I can practically reach out and touch the "giant roach clip" TV antenna that "beautifies" this area. This new location blocks signals to the W, NW, SW and substantially nulls signals from the N. The east isn't all that good either. HOWEVER, I have now found all those SS stns that Robert Wien and others in the area have reported & I hadn't heard before. At my former home, the last two years at 7:10 a.m. PLT at this time of year I would have been hearing JOUB with an excellent signal. Here I have KOB with S-8 locallike quality & the sun beaming in my windows. Why did I move here, you ask? Talk to my wife. 73...dkk...

DX Worldwide



BRUCE PORTZER,
Editor

All times GMT/UTC
Deadline Thursdays

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

ATLANTIC DX ROUNDUP

- 548 ALGERIA, Oran, poor-fair w/AA talk by man, then chanting 0401 10/7. Good carrier, AA mx at low audio level, electrical noise a problem 0055 10/13. (Connelly)
- 611 MOROCCO, Sebba-Aioun, fair-good w/male AA chants 0052 10/13. (Connelly, MA)
- 665 PORTUGAL, Lisboa, very good w/Space Odyssey theme, man in PP, more inst mx 0340 10/16. (Feltman, PA)
- 765 SENEGAL, Dakar, fair w/AA mnaing & sitar mx 0525 10/11. (Thomas, FL) (The sitar is an instrument from India. Did you actually hear one or was it an African instrument that sounded like one? bp)
+Briefly up to strong level, hammering WABC on car rx; AA chanting 2345 10/12. (Connelly, MA)
- 818 MOROCCO, Rabat, fair w/chanting male vocal 0107 10/13. (Connelly, MA)
- 872 ? UNID, immense OC atop 2.6 Hz SAH. Something new in N. Africa? Spain, supposedly on RS, was presumably the weaker signal generating the SAH. Noted 0111 10/13. (Connelly, MA)
- 1016 t W. GERMANY, Mainz-Wolfsheim, suspected w/soft mx, muffled male ancr 0356 10/16. (Feltman, PA)
- 1034 PORTUGAL, Porto Alto, good w/Carly Simon, Rita Coolidge records, man in PP 0033-0037 9/28. (Feltman, PA)
- 1043 MOROCCO, Sebba-Aioun, faded in briefly 0028 10/17 w/ plaintive male vocal, exotic instruments. (Feltman)
- 1196 MOROCCO, Agadir, loud on peaks w/chanting 2315-2330 9/27. (Feltman, PA)
+Xlnt w/female AA chanting, unusually strong 2357 10/12. (Connelly, MA)
- 1196 W. GERMANY, München, VOA, good w/EE mx, report about Vatican voting 0327 10/16. Troubled by WONO slop. (Feltman, PA)
- 1205 FRANCE, Bordeaux, w/singing //1376 but not as strong 0437 10/16. (Feltman, PA)
- 1376 FRANCE, Lille, outstanding w/AA mx, man in AA 0459 10/16. Very clear even on TRF. Best signal ever noted on a TA! (Feltman, PA)
- 1403 GUINEA, Conakry, good w/repetitive/stuck-record steel drum rhythms, chanting, & FF female ancr 0615-0710+. (Thomas, FL) (Date? bp)
- 1421 W. GERMANY, Saarbrücken, fair w/mx overpowering 1420 domestics 0400 10/16. (Feltman, PA)
- 1457 ALBANIA, Durrës, loud w/man in unid language 0409 10/16. Internationale anthem hrd distinctly 0458. (Feltman, PA)
- 1466 MONACO, Monte Carlo, good w/mx box IS to 0000:23, then OC until 0001:15 when carrier was switched off 10/13. AA-sounding talk fair in slop 2204 10/12. (Connelly)
+Xlnt w/hymn, man in EE, speaking past local WSAW-1470 0453 10/16. (Feltman, PA)
- 1578 PORTUGAL, Canidelo, poor w/soft mx 0005 10/13. (Connelly)
- 1586 W. GERMANY, Langenberg, WR, xlnt w/man in CG, then ballad. Audible on TRF 0054 9/28. (Feltman, PA)

PAN AMERICAN DX ROUNDUP

- 535 ? UNID, weak carrier detected here several times since last summer around 0300. Not looped Irenada but rather about 160°. Never any audio. No ideas. (Thomas)
- 540 VENEZUELA, Villa del Rosario, YVOV, R. Perijá, 0805-0820 10/16 xlnt sig 95-100 db dominating channel, IA MoR vocals, SS ancr, ID. (Strauss, NJ)
- 565 ? UNID, muffled SS w/male here 0325 9/10. Very poor & looped CA. Again, no ideas. (Thomas, FL)
- 570 CUBA, Santa Clara, CMHI, 10/9 good w/no sign of WKEN 0457, mentioned R. Liberación. //590/600/630/640/720 also hrd fair-very good this MM. (Mount, OH)
- 580 PUERTO RICO, San Juan, WKAQ, hrd from around 1.55 each day. Still uses "WKAQ" jingle but is "R. Reloj", all nx whenever hrd. Frequent IDs & TCs, e.g. 10/12 weak 2240 w/WDBO null'd. "WKAQ" jingle 2256, faded up by 2302 "WKAQ R. Reloj" jingle, 2305 "La Hora siete cuatro", TCs generally accurate but sometimes a minute out per WVV. (Grossman, FL)
- 590 MEXICO, México, DF, XEPH, out of the mess occasionally 0435-0455 10/11. ID of panther growl & squeal from some kids between records. CMW null'd. (Worst, TX)

- 630 CUBA, Santa Clara, CMHQ, R. Liberación, good o/3 others 0012-0029 10/16 w/what sounded like mx commentary. ID at 0029. (Worst, TX)
- 640 CUBA, La Habana, CMQ, R. Liberación, 10/16 0030-0159 w/play of some kind w/lots of gunfire & horses, but then the last half sounded more like a soap opera. ID 0159s. TGK started taking over 0155, even though they were null'd. (Worst, TX)
- 640 GUATEMALA, Guatemala, TGM, 10/9 first noted organ mx w/CMQ not common to 630 // 0500. By nulling Cuban chimes . . . and anmt "En Guatemala, TGM, la Voz del Pueblo" repeated w/chimes several times. Then anmt which may have been s/off in addition to bragging. Then said "Buenos Noches Guatemala. Buenos Noches América" 0405, followed by jingle, then anthem. Nothing after 0407. Good sig, little QRN, CMQ well null'd. (Mount, OH)
- 670 t CUBA, San Pedro de Cacocum, CMKE, 10/9 inst mx 0444, then talk in SS by man, then XL & more inst mx //590. Presumed WKAQ talk way u/SS, which was "good" at best. (Mount, OH)
- 670 GUATEMALA, Guatemala, TGRT, R. Fabulosa, good 0444-0458 10/16 w/futbol game & commentary. ID 0155, after which it sank into the mess. WKAQ null'd. (Worst, TX)
- 675 COSTA RICA, San José, TICH, 10/14 "TICH" ID 0102 fair w/hats, many "R. Señora" IDs, "...musical de Costa Rica" 0105, note call differs from FL-6. (Grossman)
- 690 CUBA, La Habana, CMBC, R. Progreso, 10/11 "novela" to 0045, then ID & some kind of anmt to 0050, then songs in SS. Mostly wav o/WTTX. (Worst, TX)
- 693 CUBA, Habana, CMBC, then same night CMAP returned to 690, this R. Progreso outlet drifted to 693a. TH 0645 10/3, but back to 690 the next day. (Thomas, FL)
- 700 JAMAICA, Montego Bay, JBC, 10/11 0100 out of the mess 1507 enough for a ncm on a Jamaican horo. 0105 ID "JBC". CMGT somewhere underneath. WLV null'd. (Worst)
- 715 ECUADOR, Portoviejo, noted 0500-0515 9/13 nil-fair & using R. "hair-mahn" (herman-friendship?) slogan. Same format as WGBH but no IV de Portoviejo IDs hrd. (Thomas, FL)
- 730 DOMINICAN REPUBLIC, Santo Domingo, HIZ, EZ listening Format, including US pop mx. Ther YL ancr, man/d "Dominica", 2-min talk by OM ancr, another anmt by YL. Good-fair w/fading, SS "Grizzly"; ARX off 10/7 0507. (Landy, IA)
- 730 MEXICO, México, DF, XEX, 10/9 good & alone w/AS vocal 0518, jingle mentioned Mexico, spot & promo, into SS "It's Impossible", then "XEX Mexico" jingle 0524 & spot. (Mount, OH)
- 752/3 ? UNID, okay, enough's enough. Who is this guy? Around here the last 4-5 mcs but still no positive ID. Best around 0400 w/sedate, mostly inst mx & poorly modulated SS man. Uses R. Nacional slogan but never a hint of country. This is a potent stn but WGB makes audio a challenge & DF uncertain. (Thomas, FL)
- 760 COLOMBIA, Barranquilla, HJAJ, 10/9 SS talk noted u/WJR 0523, then fanfares, mention Colombia, 0530 "Esta es ...RCN". Now equal to and o/WJR to 0532 tuneout. (Mount, OH)
- 820 CUBA, Habana, CMCA, 10/9 inst mx 0542, then SS talk by man & woman, back to mx. 0601 YL said "R. Ciudad de Habana" & into march mx or Cuban NA. WBAF only slightly a problem. (Mount, OH)
- 825 COSTA RICA, San José, TIOS, Ytania, 0200-0223 10/9 Fast talking male ancr, Tropical pop mx, fair. (Gerardi)
- 830 HONDURAS, Tegucigalpa, WRSP, R. Moderna, 10/9 0125-0130, coo-coo & ID between records. Weak & fluttery. (Worst, TX)
+Super loud 0308 10/6. Cuckoo ID marker & reserved IA ballads. (Thomas, FL)
- 834 BELIZE, Belize, 0230-0235 10/9 very bad, rose from het for about 30 secs. at 0231 for what sounded like nx & then back to het. (Gerardi, IL)
- 840 CUBA, Santa Clara, CMHW, R. Dobleve, 0320 10/1 w/fair signal u/WHAS. Typical Cuban mx pgm. (Gerardi, IL)
- 840 HAITI, Cap Haitien, WVEP, 2350 FF OM ancr, disco mx, good 10/5. (Strauss, NJ)
- 854 t PERU, Lima, OAXHA, carrier often hrd, audio sometimes hrd, ID never hrd, but presumed the one w/lively SS female vocal 0540 10/4. Given DF & cx don't know who else it could be. (Thomas, FL)
- 865 a CUBA, Guantánamo, CMGN, guess this was the IV de Cuba outlet I was chasing across the dial 0600 9/13. Drifting from 863a-870 as I listened. (Thomas, FL)
- 870 HONDURAS, E. Honduras, 10/14 ID 0035 as "R. Honduras Tegucigalpa, capital de la republica de Honduras, America Central". Great w/WVL null'd, no discernable het, not on 800 as per WFTH-28. (Grossman, FL)
(There's a whole network of R. Honduras outlets that have appeared recently. 880 is apparently the flagship stn, and this one plus others are apparently relays. bp)

- 875 ? UNID, possibly a Nicaraguan here 9/13 w/mx from Managua about every 20 mins (marked by 2-note chime). Slow-moderate SS vocals & one audible ID 0603 that sounded like "R. Kilodar" (which of course doesn't translate). This logged in the midst of Nicaragua's internal problems & not hrd since. (Thomas, FL)
- 880 CUBA, Pinar del Río, CMAF, R. Progreso apparently back on freq 10/1h. 0530-0559 EZL mx, SS anmts between records, ID 0559. WCB5 nulled. (Worst, TX)
- 895 ? UNID, Barbados back on 900 but weak carrier w/occ audio here almost every evening. Looped Hispanola but if this is the Haitian, R. Nuevo Mundo, they've cut pwr or changed antenna. (Thomas, FL) (LVRMN was widely hrd here a few months ago, but since they haven't been rptd lately they may have moved back to 910. LRVB, 1 kw, listed here & may be your unid. bp)
- 910 UNID, SS talk 10/9 0656, vocal 0658 bits & pieces after that u/WGAF on auroral night. (Mount, OH)
- 925 GUATEMALA, San Pedro Carcha, TGJL, presumed the same stn Baskind rptd 7/8 w/romantica mx & many Guatemala ments from 0450. Definite R. Imperial IDs. Fair overall. (Thomas, FL)
- 930 COLOMBIA, Bogotá, HJCS, good 0655 9/13 w/soft LA mx & IDs marked by NBC-like bells--"R. Continental, la radio professional." (Thomas, FL)
- 940 MEXICO, México, DF, XEQ, 10/1h, s/off ceremonies 0600-0604. Strong. (Worst, TX)
- 995 ECUADOR, Guayaquil, HCEN2, my SA indicator stn, R. Suceso, seldom in better than 0605 10/4 w/moody SS vocals. (Thomas, FL)
- 1010 MEXICO, Torreón, Coah., XEVL, ID w/call repeated every 3-4 mins, Mor SS mx, fair-nil w/fading, heavy QRM 0610 10/h. (Landry, LA)
- 1030 COLOMBIA, Cali, WJER, R. Pacifico, LA mx & ID 0620 10/9. (Strauss, NJ)
- 1035 HAITI, Cap Haitien, WVEB, 0000 EE rlg talk, fair 10/5. (Strauss, NJ)
- 1100 ANFIGUA, St. John's, ZDK, good in 3WE null w/island mx, local mx, YL ancr 0020 10/6. (Strauss, NJ)
- 1110 MEXICO, Rio Bravo, Tams., XEQ, 10/8 1740, 1 kw day-timer seemed to be relaying XEFD-590. Did not use own call. This was on a Sunday. Very weak. (Worst)
- 1202 ? UNID, LA suspected here, getting usual 1200 LA graveyard 2358 10/12. (Connelly, MA)
- 1205 CAYMAN ISLANDS, Georgetown, R. Cayman, 10/1h 0020-0032. Woman talking to 0028, IS & ID 0029, then a piano concerto theme leading into something like an auction pgm. Very weak & rough w/net from the Haitian & slop from WOAI. WOAI was weaker than usual. //1555. (Worst, TX)
- 1210 GUATEMALA, loc unkn, call unkn, ID "LV de Pueblo" Fair-gone, mixing w/WCAU 10/6 0255. (Landry, LA) (Slogan implies a relay of TGM-640 but nothing listed besides TGMX. bp)
- 1210 ? UNID, SS, ID sounds like "R. Rundos", noisy IDs, repeated promo tape ending w/wildcat snarl, assorted LA mx. Strong at times, doing a number on WCAU 10/4 0545. (Landry, LA) (TGMX IDs as R. Rumbos & has cat snarls. bp)
- 1260 CUBA, Consolación del Sur, CMAG, R. Re-Loj Nacional ID, 2 male ancrs, gong & beep sequence in continuous SS mx ngn, poor w/QRM from several stns 10/3 0728. (Landry)
- 1265 ST. KITTS, Basseterre, R. Paradise, 10/9 fair-good mentioning names & locations of listeners in the Caribbean. 0430 gave 12:30 TC, then dedication to prayer partner. Slight slop from WHDE/WXYZ; QRM the main problem. (Mount, OH)
- 1370 MEXICO, Campeche, Cam., XEA, ID "Ehkees eh ah", US top-40 mx, another ID, anmt. Booming for several mins then fading, QRM from WCOA 10/4 0028. (Landry, LA)
- 1500 MEXICO, México, DF, XERH, 10/1h 0250-0315, SS records, ID of "R-H" between every few records. Electronic whoop 0300. Rough, in & out w/KSTP. (Worst, TX)
- 1520 COLOMBIA, Barranquilla, HJLQ, fair 0548 10/9 w/lively IA mx & many R. Manabo/R. Colombiana IDs. (Thomas)
- 1555 CAYMAN ISLANDS, Georgetown, R. Cayman, 10/12 0020 US type records interspersed w/personal messages. 0030 4-note IS & ID. Mentioned AM & FM, then into a BBC ngn. Slop from WLUX-1550. (Worst, TX)
- 1578 CUBA, in & out w/poor signal & moderate LA mx 0330 10/9. Per Hutton, this is R. Cadena Agramonte from 1583. (Thomas, FL)

PACIFIC DX ROUNDUP

- 655 N. KOREA, Pyongyang, fair 1351 10/19 w/talk in KK by man who sounded a little like Don Erickson. (Portzer)
- 660 ? UNID, buzzing sound as though a het between 2 stns a couple hundred Hz apart 1353 10/19, looping NW-SE. Bits of inst mx in there at times also. (Portzer)
- 830 JAPAN, Osaka, JOBB, weak w/signature melody & time pips 1400 10/19. (Portzer, WA)

VERIFICATION

- 896 BARBADOS, v/l in about 3 weeks (1 IRC) for logging on 896a. V/s Vic Fernandes. (Stn now back on 900). (Thomas, FL)

REPORT FROM OKINAWA - Mike Hardester

At 1400 GMT today (2300 local), I was tuning across the PCB & noted carrier/audio on 558 kHz. Checking further, I found // pgmng on 612 (possibly 615, not clear), 882, 890, 1450, & 1470. Note that the underlined freqs are part of the 11/23 planned switch to 9 kHz separation. Since these weren't noted last year is it possible a switch is already underway? A SW // of 2340 was also found. Pips on the hour were different: - - - - ; 4 pips of 1/2 sec followed by a higher pip of barely under 2 secs. Also noted were the following (to be) 9 kHz freqs.: 702 (in CC dialect), 909 (carrier), 1008 (carrier) 1053 (carrier), 1323 (carrier), 1358 (carrier), 1404 (CC dialect), 1494 (carrier), 1556 (carrier), & 1603 (carrier). I hope this switch goes w/o a hitch & is complete as the freqs ending in 0 or 5 near the above freqs were, for the most part, being QRM'd by hets! Hets are common but not to the degree I noticed tonight. (It's possible that China has decided to switch to the new plan one stn at a time rather than in one fell swoop on 11/23. Keep us posted on any further developments you come across, Mike. bp) (Also, Mike sent along a letter from R. Fiji listing their present freqs. Most of them are per 78 WRTH except for an 840 kHz outlet listed in lieu of the 910 shown in WRTH. bp)

CONDITIONS

- *The season started early this year. Wish my local electrical activity would calm down so I can enjoy it. Still averaging a thunderstorm a day. (Baskind, MS)
- *Several nights of strong auroral cx, especially 10/1. Usual pests to W & N "auroraed out" or relegated to backburner as IAs had a clear shot to ECNA. (Townshend, DC)
- *CA cx have not been too bad, while TPs have been spotty at best. According to MWM, good MA cx will probably take place 10/15-18, which would mean good TP cx for us. (Hall-Patch)
- *9/26-28 semi-auroral; low-band low-latitude TAs noted at LSS, some high-band TAs at Euro-dawn. 9/29-30 "short skip auroral" or sporadic-E: Cubans in well but little from SA; Domestic in on skip - weak but steady. 10/1-2 auroral w/a vengeance! Anything hrd was an IA or groundwave domestic. 10/6 Strongly medium skip domestic, showing "recovery" from late Sept auroral cx. 10/2 unusual phenomenon: heavy short-skip before LSS, then a temporary blackout after LSS, particularly on lower freqs. 2 hrs after LSS, short-skip had resumed. During the blackout period, Dakar-765 was overriding WABC's groundwave; no trace of WJR-760. Domestic skip below 1000 non-existent: weak IAs on non-groundwave channels. Yet all was normal a few hours later. I must agree with Eckman's assessment regarding the mediocrity of this season's TA cx. (Connelly)
- *Latins were quite good many evenings 9/25-10/6. 10/2 MM was also good for DUs. The evening of 10/12 here was comparable to Connelly's w/almost nothing but WA-OR-BC groundwave and some Californians coming in. Clear channel heavies like YIK, WWL, & WMAP completely inaudible and even KSL was barely there. KERN-1410 was noted overriding CRUN's groundwave. TP cx continue to be poor, a big disappointment after the silent 1975-78 era: this season could prove even poorer than the mediocre 1972-75 seasons. (Portzer, WA)

THE 1978 FOREIGN LOG

Don't forget to order your copy of the 1978 foreign log. As a special feature this year, we've compiled a list of all the new TP & TA frequency assignments that we know of. For the TP's this includes Australia, NZ, Philippines, Japan, Korea, much of China, some of the Soviet far east and bits and pieces of other countries. For the TAs, it includes material which has appeared in chunks and installments the past couple years. Not only that but there are gcbs of listings and loggings filled w/info you'll need to ID those TA's & TP's on their new frequencies, as well as the LA's that populate the evening and late-night dial. Don't miss it! For more information, consult the blurb elsewhere in this bulletin.

CONTRIBUTORS

- Mark Connelly, 52 Amsden St., Arlington, MA 02174
R-390A/URR, SM-2
- John Peltman, 4324 Valley Drive, Allentown, PA 18104
R-390A, SM-2

Rob Gerardi, 1118 N. Lincoln, Apt. D, Benton, IL 62812
 DX-160, Spiral loop

E.H. Crossman, 925 W. Georgia, #700, Vancouver, BC V6C 1R2
 Loggings while on vacation at Big Pine Key and Bone-
 stead, FL. TRF w/SB-2 type ferrite rod wound w/220
 strand Litz - 365 pf tuning cap - rod sticks out at ends

Michael Hardster, C F A O, Box M E, PFO Seattle WA 98770

Joseph Landry, 11643 Baylor Drive, Baton Rouge, LA 70816
 Realistic TRF, 350' Longdrie

Faul Mount, 35 1/2 W. Columbus St., Nelsonville, Ohio 45764
 TRF, "no antenna or preservatives of any kind"

Bruce Portzer, not in any condition to dream up funny locations
 HQ-180A, h' box loop unamplified, FRG-7, SB-620

Elliot Strauss, 27 Devon Drive, West Orange, NJ 07052
 R-390A, WET loop

Gerry Thomas, 2355 W. Michigan Ave., #460, Pensacola, FL 32506
 Frog, TRF, loop

Mike Worst, 3155 French Rd., #194, Beaumont, TX 77706
 Collins 514-h, Wedge

I have a couple of suggestions for DXW reporters: please put your name or initials after each tip and please write on only one side of a sheet of paper. Tips are normally cut into individual strips and sorted into frequency order to speed up the typing here. As a result I sometimes come across a tip with no name on it and have to try to remember, for example, who sent in the tips in orange felt pen on onion skin paper. Tips written on both sides of a sheet of paper create less surmountable problems. Looks like the Seattle area has another IRCAn in its ranks in the form of Dave Korinek. Aside from the rain, he picked a good city to move to... Till next week, 73, good DX, and happy penguin hunting (w/a camera that is...)



Father Jack Pejna
 212 S. Carpenter Rd.
 Modesto, CA 95351

TRANS-ATLANTIC

Albania. Radio Tirana has dropped all relays of Peking Foreign Service. (Arctic 8/27)

1358 is now used by the external service of R. Tirana early in the mornings: 0500-0530 in Bulgarian; 0530-0600 in Greek; and then relay of the home service. (Arctic 7/14)

Algeria. Radio Algiers has EE and SS news bulletins after the main FF news on Network 3, on 1304, 890 and 251 about 1120 GMT. (SCDX 8/1)

Andorra. It is possible that there will be an Arab controlled station in Andorra in addition to the present two commercial stations. (MWN 6/78)

Angola. Radio Nacional de Angola operates four MW stations: 702, 944, 1088, and 1367. 702 and 1088 are on the air 0500-0100; 1367 is used 1630-0100, and 944 up to 0100.

Regional stations are 1187 Malanje 0600-2200
 1214 Mexico 0630-2200
 1295 Manongue 1800-2300 and 1200-1500
 1010 and 1160 Huambo 0545-2200. Announces
 1594 instead of 1160.
 1332 and 1313 Huila, Lubango 0545-2200
 1502 Benguela 0450-2400. Announces

(Arctic 7/14 and 8/27) 1578 in parallel. Seems to use 10 kw.

Austria Stations with 10 kw or over are:

520 Leitzen, Innsbruck and Lins, each 10 kw
 584 Klagenfurt-See, (25 kw); Salzburg (10 kw); Vienna (600/240)
 1025 Mariafurr (10 kw); Gras-Dobl (100 kw); Lins-Kronsdorf
 (100 kw); Dobrim-Lauterach (50 kw).
 1475 Vienna (600 kw evenings).

Programs in parallel on these stations are a mixture of OE-1, OE-3, and OE-Regional. There are 78 50 kw and 3 100 kw stations in Austria on 584, 629, 674, 773, 890, 962, 1052, 1124, 1313, 1394, 1457, 1475, 1484, 1546, and 1594. A number of these low power stations relay the various regional programs. (MWN 6/78)

ORF has plans for a major face lifting operation. In addition to adding new high gain antennas, a new 250 kw transmitter is under construction (for SW?) at Moosbmm; should be operational by 1983. (ASWLC via NZDXT 8/78)

Belgium. The new transmitter on 1124 is now called "La Louviere." Power is 10 kw. BRT1 is on extended schedule each night from Mon/Tues when they have a special program for seamen in DD/FF 2345-0015 LT. The old 928 Wavre transmitter is being rebuilt and will carry BRT2 later, possibly with higher power on 1188 or 1512. Veltén-1511 will soon increase from 20 kw to 150 kw. Possibly this will be in November; no frequency given, but 540 could be a possibility. The new official name is Radio-difusion Télévision de la Communauté Française de Belgique. (Arctic 8/27)

Benin. Construction has begun on a new 10 kw MW transmitter in the northern part of the country, Radio de Parakou. Construction is being financed by West Germany. (SCDX 8/1)

Bophuthatswana. By the end of the year a new station will be on the air, Radio Bophuthatswana, in direct competition to SABC's Tswana Service FM. Richard Ginbey doesn't think that Radio B will be exclusively on FM. The commercial Division of the Tele Dept. in Pretoria is responsible for frequency allocations. (Arctic 8/27)

Bulgaria. Varma (not Kurdjali) is on 1124. Petritch is on 710 with Pgm 1; St. Zagora is on 822 with Pgm 2. (MWN 6/78)
 Shumen-962 was taken out of service in March 1978.
 Ploudiv now has 2nd program with 30 kw; Petrich-746 now uses 500 kw for first program. (Arctic 7/14 and 8/27)

Cameroon. A weak FF West African has been noted around 1900 on 899, with much co-channel QRM from RAI by Richard Ginbey.
 Bertoua-971 operates 0530-2300. Douala-1106 s/on 0530 with FF and EE IDs. (Arctic 7/14 and 8/27)

Chad. "La semaine Africaine" has reported that Thomson-CSF will supply new transmitters for Radiodiffusion Nationale Tchadienne. There will be a 100 kw transmitter, with a 20 kw standby. Another 20 kw station will cover N'djamena area.

A Erolinat (guerrilla) station has been operating since November 1977 in the Tibesti mountains and has been heard all over Chad. Frequency unknown. (Arctic 7/14)

Clandestine. The Polisario Front's Voice of the Free Sahara is now broadcast in the external service of Radio Algiers on 575 from 2100-2200. (SCDX 6/27)

Cyprus. BFBS Cyprus-1502 is now 0459 (Sundays 0559)-2230 LT; the carrier stays on all night with no modulation. A new 10 kw station hopes to be opened on 1089 early next year. (Arctic 8/27)

Czechoslovakia. A new LW transmitter will (has?) begun service on 272 khz with 1500 kw from Topolna. Contrary to earlier report, Jihlava is on 1484 not 1331 with 14 kw. (SCDX 7/25)

Praha-Inter now uses 1070 khz from 0730-1400 and 0000-0200. (Arctic 7/14)

There is no CSSR station on 1331. 1070 is used only between 0730-1400; no night transmissions. (Arctic 8/27)

Denmark. Copenhagen (Korstedvester) 1438 was taken out of service on June 7, 1978. This was Europe's oldest transmitter, used from 1934. (DSWCI via Arctic 7/14)

EEU Loggings (via Arctic 7/14)

534 USSR heard by Helsinki
 647 Bulgaria
 708 Bulgaria
 719-724 Polish station moving around
 818 Two UNID stations mornings and nights heard by Lisbon
 854 DDR noted here
 960 UNID heard mornings and nights by Lisbon; quite local?
 1016 Bulgaria
 1236 UNID day and night heard by Jurbise, good strength.
 1331 New station (Czechoslovakia?)
 1565 EFM1 Huelva noted here
 1566 Bandar Abbas with 100 kw
 542 UNID heard all day by Lisbon (Arctic 8/27)
 567 IKan heard by Sorrento
 602 UNID all day by Lisbon
 778 UNID all day by Lisbon
 1233 Beersheva monitored at sundown by Helsinki
 1224 Ziguinchor, Senegal monitored by Caversham

Egypt. Quena-1178 now on with 1 kw.

Aswan, 10 kw uses 1273, ex 1277.
 Jamming stations operate from Cairo covering the Israeli broadcasts in Arabic on 737 and 1025. (Arctic 7/14 and 8/27)

Finland. Kuopio-755 is now 10 kw, ex 20 kw. Vaasa-1241 has dropped from 50 kw to 25 kw. (Arctic 7/14)

France. France Inter, Lille-674 and France Inter, Lyon-710 have been taken out of service. Marseille 1-674 has increased to 600 kw; Bastia 2-1070 is now 20 kw; Ajaccio 2-1160 is now 20 kw; Marseille 2-1241 is now 150 kw. (WRTH via Arctic 7/14)

Gabon. Tchibanga-1575 is new 0600-2230 in FF and vernaculars. Libreville-1554 also s/on 0600 apparently. (Arctic 7/14 and 8/27)

Germany, East. ADR, the East German news agency, has reported that the new Geneva plan will have a positive effect on reception conditions for the East German stations.

The new superpower station on 1575 in Neubrandenburg seems to have been testing through mid-June. (Arctic 7/14, 8/27)

Germany, West. AFN-Nhrenberg, Grafenwehr, Kaiserlautern have moved from 611 to 1106. DLF has announced that stations on 548 and 755 will be remodelled in connection with the new Geneva Plan. Braunschweig-755 was closed down in early May. (MWN 6/78)

Langenberg-719 will close down on 9/30/78 and will be off until June 1979. 548 and 755 have been closed down since May 1978. They will be replaced by a reserve transmitter at Mainflingen, 300 kw. (Arctic 7/14 and 8/27)

Great Britain. A report that Radio Oxford had gone commercial was an April Fool joke gone awry. Radio Hallam tested in April and May and hopes to go to 24 hour schedule during September.

BBC changes under consideration: Fareham R.1. 1089/1 kw; Lisnagarvey R.1. 1055.10 kw; Start Point R. 1, 1053/100 kw; Radio 4 Westerglen now listed on 200 with 50 kw.

Four beacons operate in the MW band in England:
548.5 Lichfield LIC AO/A2 24 hours
653.5 Lambourne, LAM AO/A2 24 hours
669.5 Stomeway STW AO/A2 24 hours
797 Cranfield, CFD AO/A2 0700-2100

Tests were noted on 526.5 during June 1 evening announcing test transmission for London area with announcement mentioning E.I.S. and BBC phone number; also a test tone and announcement each minute. This from the Brookman's Park transmitter. (MWN 6/78)

BBC allocations after November 23 will be:

Radio 1 1053 and 1089
Radio 2 693 and 909
Radio 3 1315
Radio 4 200 and 227 plus low powered MW mainly in Scotland and Northern Ireland.
World Service 648 khz. (SCDX 8/1)

BBC has dropped its plans for a new LW station at Westerglen due to interference from the new Polish multi-watt station on the same frequency.

Radio Mawa is no longer using 1594 khz.
BBC will use 1000 kw (2 x 500) from Orfordness in November on 648. Most likely this is the station now on 1295. BBC Daventry 648 will be totally dismantled after November. BBC Start Point 908 will be changed to 3 x 50 kw. These transmitters are now testing until 0730 LT. (Arctic 7/14 and 8/27)

Greece. Mesolongion-1070 and Ierapetra-1484 have been taken out of service. (Arctic 7/14)

Holland. There are plans to completely relocate MW services during the next five years. There will be two new 2 x 600 kw stations at Flevoland from 10/1/79 on 747 and 1008. New locals expected may be on MW. Geneva Plan lists frequencies: Rotterdam-828; Den Haag-1035 and 1485; Tilburg-1485, all with 3 kw. STAD, Amsterdam is not due to leave the air until late 1979. (MWN 6/78)

Radio Bloemendaal will move to 1116 in November. STAD Radio Amsterdam-1250 has an experimental program each Fri. AM from 2300-2400. Each Monday 1650-1800 a program in AA and Turkish for foreign workers. (Arctic 7/14 and 8/27)

India. The Indian government will loosen its ties to AIR, thus leading to more local programming. (Arctic 8/27)

International Waters. Abie Nathan of the Voice of Peace recently ended a 45 day hunger strike after the Israeli parliament passed a unanimous resolution appealing to him to do so. During the hunger strike, VOP cancelled regular programming and played John Lennon's "Give Peace a Chance" continuously. (SCDX 7/11/78)

The police in The Hague, Holland confiscated 3 MW transmitter on board ships. (Arctic 7/14)

According to newspaper reports, Radio Caroline and Radio MI Amigo will be going off the air before the end of October. (SCDX 8/15) The station(s) are using increased power since the beginning of August, apparently 80 kw. A move to 558 seems faraway. A magazine indicates that a religious organization is interested in buying.

A new pirate is on 1565 off the Dutch coast, using an old Army transmitter used in the Congo. Since August 21 Radio Delmare has used 0.5 kw, to be increased to 7 kw. The ship is "Aegir" located off the island of Goeree, SW Holland. Studios are located in Marbella; the ship is under Panamanian flag. The ship announces the old 1563 Veronica frequency.

It is possible that RWI, Radio Northsea International, will return to European waters during 1979. The contract with the Libyan government is now only for a month at a time. They were forbidden to use European waters until sometime in 1979. (Arctic 7/14 and 8/27)

Iran. A new local station will start in Tehran (has already started, sorry), 24 hours. Frequency unknown. Radio Azevabadegan-638 now uses 800 kw from Bonab, 0045-2100. Radio Kerman-1082 now uses 20 kw. Radio Ardabil is now using 1314. Bandar Abbas-1566 now uses 100 kw. (Arctic 8/27)

Iraq. The Voice of the Masses is carried on 692 from 0258-2100. On 908 1800-2305; 1035 from 1350-1755 and 2000-2305. (NRC via NZDXF 7/78)

Ireland. Tullamore-567 now 500/150 kw will be fulltime 500 kw; Dublin-1251 will go from 5 to 20 kw; Cork-1188 (ex 1250) 10 kw; Annagry (Tir Chonaill-965 (ex 1250) 10 kw; Ca-roe (Connemara) 540 with 3 kw; and Cahireveen (Corca Dhuibhe)-828 (ex 962), 1 kw. RTE will not operate in Dublin and licensing of commercial stations seems likely. (MWN 6/78)

Irish pirates:

1114	Big D Radio	24 hours
1151	A.R.D.	0600-0100 (actually on 1149)
1187	Radio Dublin	0700-2300
1322	Capital Radio	0700-0100 will move
1335	Radio City	1300-1800 Sat; 1300-1900 Sun.
1310	Radio 229	unknown
1580-86	Downtown R. Dublin	unknown
1149	R. Carousel, Dordalk	unknown (MWN 6/78)

Israel. Galei Zahal has a station on 1225 parallel to 1286. This may be new or a frequency change, perhaps from 1367. (MWN 6/78) (Perhaps this is Beersheva heard on 1274. Ed) Bilat-1169 now here ex 1358 with 0.15 kw. Haifa is on 1304 with 30 kw. Ymit is location of the 1433 station. (Arctic 7/14)

Italy. The Palermo regional station on 936 is now 2 kw. (Arctic 7/14)

Kenya. The government will set up 3-off 100 kw MW transmitters in Kisumu, Meru and Voi. (Arctic 8/27)

Kuwait. Kuwait is on 1548 and an Egyptian is on 1540 with Koran program. Both have religious format at 0250, so European ears are urged to be careful in making ID. Egypt is parallel to 1114. (MWN 6/78)

Lebanon. The Voice of Lebanon, clandestine station operated by the right-wing Phalangist group, was hit by rocket fire on July 2 and ceased operation. Station had been heard on 1930 khz. (SCDX 7/18) has been heard on again. (Arctic 8/27)

A new 20 kw station is on 850 from Doha broadcasting the programs of "Radio of Free and Unified Lebanon." The Voice of Arab Lebanon is now broadcasting on 940 in AA 0440-1000 and 1150-2000. (Arctic 8/27)

Libya. A contract has been signed with a Yugoslavian company "to boost radio transmitters in the country."

Mobo II now airs Koran programs from the Libyan Radio, 10-15 miles off the coast. 100 kw is announced, 0700-1300. On 1232 khz. (Arctic 7/14 and 8/27)

A foreign language program in EE and FF is carried on 1406 from 1410-1600 and 1600-1928. (NRC via NZDXF 7/78)

Luxembourg. Trans World Radio will expand its programming via Radio Luxembourg; from September 1979 their German department will produce a program from Evangeliums-Rundfunk half an hour once a week. Sundays 1930-2000. 1430 khz. (Arctic 7/14)

Madagascar. Regional stations:

1602	Flanarantsoa	0400-2000 with 30 kw; 2000-2200 1 kw
1240	Majunga	1 kw
1286	Diego Suarez	1 kw
1322	Tulear	1 kw
1554	Fort Dauphin	1 kw
1563	Tamatave	1 kw

1232, 1268 and 1536 use only 250 watts during the same time. (WRTH via Arctic 7/14)

Malawi. WRTH-78 is not correct. There is no 50 kw station on 674. BBC frequencies are 539, 593, 674, 726, 782, 1106, and 1272. (Arctic 7/14)

Malta. Deutsche Welle-1554 has been inactive for some time, but is now on on this new frequency. Noted with test programs and EE ID 2530-0130. No Libyan relay or Zandir Malta AA programs noted by Ginbey. (Arctic 7/14)

Malta has closed the BFBS station on the island. Cyclops has begun broadcasting on 1554 as of 6/26. DW has informed BF (an Arctic member) that they are on 0300-0700 in AA; 1300-1850. Bugibba-1485 broadcasts the "MNC" program with 1 kw. (Arctic 8/27)

Morocco. Rabat is now on 1043 since mid-78. ID: not rare. Seems to be high powered. Ends 55 at 2000; then into FF to well past 2400. Mixed with GDR in South Africa at times. (Ginbey, Arctic 8/27)

Sebaa Atun-611 is now 300 kw; also the one on 1043. There is no "Voice of Morocco" on 1232 anymore. This station is now Radio Tanger, a commercial station broadcasting mainly to the coastal areas. AFRTS-1484 closed its Kenitra station early this year. (Arctic 7/14)

Mozambique. Quelimane suddenly switched to 1295 and then back to 935. Definitely not 10 kw. Cimoio, Tete and Pemba are mostly inactive. (Ginbey, Arctic 7/14)

Nigeria. An UnID station has been heard on 557. Radio Oyo is now using 756. The station formerly was Western Nigeria Broadcasting Service. Radio Kwara, Ilorin-809 was observed with very good strength s/on at 0530. An UnID station heard on 827 at 0530. (Ginbey, Arctic 7/14) The NBC has been replaced by the Federal Radio Corporation of Nigeria. A new FRCH station is on 693 from Makurdi. (Arctic 7/14)

Enugu on 630; Ibadan-675, and Sokoto-557 all sign on at 0530. Radio OYO-756 is now on 0400-0100. Anambara Broadcasting Corp., Emugu (also IDing as ABC, Emugu) s/on 0530 on 827. Gongola Broadcasting Corp., Yolo (Radio Yolo) now scheduled on 1017 from 0530-2215. (Arctic 8/27)

Pakistan. A new 300kw station is being erected in Khuzdar in Baluchistan. (Arctic 7/14)

Pirates. The French adult education university in l'etang de Berre organized a course on the construction of radio transmitters. Many of France's 38,000+ communities would like to establish local stations. (SCDX 8/18)

Poland. Polskie Radio says the 2 x 750 kw transmitters are due on the air at the end of the year. (MWN 6/67)

Rhodesia. The country will change its name to Zimbabwe on 1/1/79. Voice of Free Africa has moved back to MW on 1020 from 1635-1735. Radio III is an additional African Service 1745-1900 on 1002. (Ginbey, SCDX 7/25)

Radio III now 1845-2000. (Ginbey, Arctic 8/27)

Rumania. The new 50 kw Botosani transmitter on 602 is now in operation together with 2-off low powered synchronized stations. (Arctic 8/27)

San Marino. The new leftist government plans to put up a radio and TV station. The proposal is complicated by the treaty between San Marino and Italy forbidding the miniature republic from installing any stations. (SCDX 8/1)

Saudi Arabia. A new transmitter has been inaugurated on 6/13 in Ha'il. Jeddah uses the new frequency of 1484. Noted at 1800 beginning in FF. Tests have been monitored on the following frequencies and times, consisting of long periods of religious talk, silent carrier or Koran recitation:

548	0400-1700	Duba 2000 kw?
611	04-0-1700	Gurial 2000 kw?
899	0400-2300	Gurial 1000 kw?
1520	1600-2300	Duba 2000 kw? (Arctic 8/27)

Senegal. Dakar-1304 s/on as early at 0500. (Ginbey, Arctic 8/27)

South Africa. Five companies are bidding for rights to operate a commercial station similar to SABC Radio 5 in Bophuthatswana. A government station operating from the capital, Mmabatho (near Mafeking) will broadcast in Setswana, EE, and Afrikaans. Probably in FM and MW, perhaps SW. A complete studio was built for the Bophuthatswana government by SABC.

The government in Umtata, Transkei, announced that a powerful EE commercial station will begin in 1979 to all of Transkei and other areas of southern Africa, called Capital Radio.

SABC's Radio 5 will move to FM in 1981. (Arctic 7/14, 8/27)

South-West Africa. An interim Broadcasting Control Board has been formed in Windhoek, responsible for the planning and establishment of a broadcasting service. (Arctic 8/27)

South Yemen. Aden-755 and 1188 are now scheduled 0400-0630 and 0900-2130. Fridays 0400-2130. (Arctic 7/14)

Spain. Radio Peninsular, Campo de Gibraltar is now on 1324 with 10 kw. Heard well in southern Sweden after Moscow s/off. RNE has begun tests in Valencia on 773 with a 2 x 25 kw transmitter parallel located in EL Palmar in the La Albufera region. 0700-2140 is the testing schedule. (Arctic 7/14, 8/27)

Sri Lanka. Trans World Radio at Puttalam has begun test transmissions on 890 kHz. Channel I of the EE service of SLBC has moved to 870. (SCDX 6/27) Regular broadcasts began on Aug. 5 with 400 kw. Reception very good far away in India. (Arctic 8/27)

Sudan. Voice of the Music began on 5/24 on 572 kHz. Schedule 0500-0900; 1500-2100. International music with news summaries on the hour. Station on 760 is on 0500-2300. Voice of the People Broadcasting Service is on 1300-2300, with local news and commercials. EE and FF will be introduced in July 79. The station on 960 is on 0500-2300. (Arctic 7/14)

Omdurman Radio will begin a fourth channel on 764 1200-2200 once studios have been completed and equipment imported. (N2DXF 7/78)

Sweden. From May 1978 only two SW transmitters are in use for R. Sweden. Horby-1178 carries R. Sweden's programs 1530-0000. (MWN 6/78)

Radio Sweden Foreign Service-1178 during the summer afternoons doesn't seem to have worked. Noted in northern Germany only after 1930 or 2000; in Holland after 2000. (Arctic 8/27)

Syria. Voice of the People announced on 927; location not traced yet. Deir El Zer now back on 953 with 10 kw ex 827. (Arctic 7/14) Al-Hasakah new on 927 on 0455-0130. A new station started in Dayr az Zawr on 953, much stronger than the old station. (Arctic 8/27)

Tunisia. Sfax-602 has been taken out of service. The new Sfax transmitter on 1570 is now operating with 2 x 600 kw. Monastir-1588 uses only 1 kw; monitored here by EBU Sorrento. Later, monitored on 1520 also by Sorrento. Sfax-1570 s/off 0030-0040. Seems to be a relay station. IDs frequently. (Arctic 7/14, 8/27)

Turkey. Voice of Cyprus left the air suddenly on June 29, for economic reasons apparently. 755 khz. (Arctic 8/27)

Transkei. (also see S. Africa) Capital Radio will begin on 10/28 79 with 500 kw on 539 kHz from 0500-2300 in EE. Studios will be in Port St. John's, and will be linked to the transmitter site at Herschel in Northern Transkei via microwave. All broadcasts will be in stereo. Will be run on lines similar to Capital Radio in London and will be superior to any station in southern Africa. (Ginbey, Arctic 8/27)

Uganda. A new 10 kw station at Arua, Nile District on 756 is relaying the Red Channel. UBC-998 is still absent from this channel unless it is under 1 kw. Other high powered channels heard in South Africa are 575, 638, 728, and 809. No sign of 908 under MBC. (Ginbey, Arctic 8/27)

U.S.S.R. Channels used for EE broadcasts are Kaliningrad-1142, Raimas, Lithuania-1385, Leningrad-1439 and Vinnitsa, Ukraine-1546. Schedules: on 1142 from 1900-2000; 1493 from 2100-2200; 1142, 1385, and 1493 from 2200-2300 along with 1142, 1385, and 1546, from 2230-2300. (MWN 6/78)

Leningrad-800 was out of service for most of month of July for maintenance. Kuzur is location of 1187 station. UnID station on 1331 with Mayak at 0230 on 8.16. (Arctic 8/27)

Yemen Arab Republic. The new superpower station is now under construction. (Arctic 7/14)

Yugoslavia. All-nighters noted on Mon/Tues. are 1070 and R. Beograd on 1349; listed as AN Fri, Sat., Sun. only. Change?

A newspaper reports that police have traced and closed down 845 illegal stations, mostly operated by young people who played pop music. They will have to pay heavy fines.

A new 300 kw transmitter will be built for Radio Titograd-881 to improve the present poor reception over a large part of Montenegro. Several low power synchronized relays will also be built. The LF/MF 1978 plans include a 300 kw transmitter on 881. (Arctic 7/14)

1557 will be the new frequency for the new 20 kw station of Radio Osijek, now under construction. (Arctic 8/27)

Zambia. The government plans to install about 25 regional stations, MW + FM between 1977-81. Each station will operate on two frequencies: one for the General Service programs and one for the Home Service program. The stations will really be regional relays of the two national programs. (Arctic 8/27)

LATIN AMERICA

Argentina. There is a project to put a LRA station on the Antarctic Continent. The station will be LRA25 and will be located at the Base Vicecomodoro Marambio in the Argentinian sector.

According to Argentinian sources, 11 bids were given to COMFER for the station at Mar del Plata replacing LU9.

680 LU12 R. Rio Gallego was completely destroyed by fire on 2/1. Has used an emergency transmitter since then. Station is 40 years old.

870 LRA R. Nacional now transmits 1000-0500.

1230 LP12 R. Spondid Rosario will change its name to R. General San Martin.

1470 LP36 R. Nuevo Mundo now is on 24 hours.

1500 LP34 R. Ciudad de Sarate ex R. Nuclear. According to Argentinian sources, the station was never closed down by the government. Now operated under government intervention until end of investigation of the problems caused under the previous government.

Most of the country's radio and TV stations will be returned to private ownership if the Executive approves a law submitted by the Public Information Department. A minimum of stations would remain in government hands. (SCDX 8/15)

Bolivia. Radiodifusora Cristal announces that it operates on 290 plus SW. CP160 is the call. Schedule is 1200-0400. (SCDX 6/27)

780 CP46 R. Universo uses 10 kw.

1310 CP88 R. San Rafael now uses 10 kw. (Arctic 7/14, 8/27)

Brazil. Some of these stations are possibly not on yet.

540 R. Uirapuru, new station 1/.25 kw. Caninde, CE

610 R. Progreso, Sousa, PB, new, 1/.25 kw.

680 R. Gaucha, ZYK278 now uses 100 kw.

750 R. P. Vati, Patos, PB, new, 1/.25 kw/

830 R. Cultura, ex 780, now uses 10/5 kw

870 R. Araguaia, Araguaia, GO, new, 1/.25 kw.

1030 R. Princesa, Lagos, SC, 5 kw.

1140 R. Progreso, Ruasas, CE, new 1/.25 kw

1500 R. Regional, Santo Cristo, CE, new 1/.25 kw

1310 R. Batanes de Ilheus, ex R. Bahiana de Ilheus, 0900-0500.

1340 R. Arapuan, ZYB79 uses 1/.25 kw

1540 R. Gurupi, Sao Luis, MA, uses 1/.25 kw.

1350 R. Novo Andara, Rio Branco, AC, ZYGS1, uses 5 kw.

1360 R. Gazeta, Santa Cruz do Sol, RS, new, 1/.25 kw.

1370 R. Sentinela, Santo Cristo, RS, new 1/.25 kw

1390 R. Independencia Cultural, Cascavel, PR, new 5/.25 kw

1450 R. Diamante, Coromandel, MG, new 1/.25 kw

1450 R. Difusora, Caceres, MT, new 1/.25 kw

1450 R. Sao Bento, Sao Bento do Sol, SC, new 1/.25 kw

1460 R. Uirapuru, Morado Nova, CE, new 1/.25 kw

1480 R. Emboabas, Tiradentes, MG, new 1/.25 kw

1490 R. Uniao, Toledo, PR, new 1/.35 kw

1510 R. Goiatuba, Goiatuba, GO, new 1/.25 kw

1560 R. Guaracube, Guarapare, ES, new 1/.25 kw

1580 R. Najua, Iratim, PR, new 1/.25 kw

1590 R. Cultura, Andara, PR, new 1/.25 kw

540 R. Uirapuru ex R. Bivigui.

540 R. Nacional de Corumbá, Corumbá, MT, new 10 kw

540 R. Nacional de Manaus, Manaus, AM, new 50 kw.

550 R. Cataguases, ZYF79 now 24 hours.

550 R. Soc. Montiqueria, ZYK578 ex PRG6

550 R. Cultura do Agreste Meridional, Caranhos, PE, new 5/1 kw

570 R. Prof. Eldorado Carariense, ZYH236 0900-0400

- 580 R. Nossa Senhora de Fátima ZYK318 0900-0400 10/5 kw
- 580 R. Educ. Rural ZYI 387 ex ZYG44
- 580 R. Nacional de Tefé, Tefé, AM, new 10 kw.
- 590 R. Atlantica ZYK534 ex ZYE343, Santos, SP
- 590 R. Ouro Verde, ZYJ234 ex ZYE352
- 590 R. Nacional do Boa Vista, ex R. Dif. Roraima, ZYA1, 0900-0400 with 10 kw.
- 600 R. Nacional de São Gabriel da Cachoeira, AM, new 10 kw
- 610 R. Noticias Brasileiras, Porto Nacional, GO, new 1/.25 kw
- 630 R. Roquette Pinto, ZYD72 ex 640
- 630 R. Curitiba ZYE351 is closed.
- 630 R. Nacional de Macapá, Macapá, AP new 10 kw
- 640 R. Cabugi ZYL22 now uses 50/5 kw
- 640 R. A. Morada do Sol now uses 2.5/.25 kw; ZYK547
- 650 R. Dif. de Piracicaba, ZYK524 ex PRD6
- 650 R. Educadora, Montes Claros, MG, new 5/.25 kw
- 670 R. Cidade, ex ZYE354 R. Iauagu, now 24 hours, ZYJ248.
- 670 R. Nacional de Tabatinga, AM, new 10 kw
- 680 R. Cultura de Campo Grande now 24 hours, ZYG45
- 720 R. Nacional de Cruzeiro do Sul, AC, new 10 kw

(Many more changes in Brazil to print later.)
 Communications Ministry is aware of great interference to stations in western Brazil from Uruguayan and Argentinian stations. It plans to build new stations on MW and create a special broadcasting band for the frontier regions to neutralize the intrusion of foreign stations into Brazil. (Arctic 7/14, 8/27)

- Chile. The station on Easter Island, R. Manu Kena is now off the air.
- 900 CC90 R. Nacional de Chile ex R. Nuble
 - 980 CA98 R. Univ. del Norte 1200-0500 0.4 kw
 - 1330 CD133 R. Regional 1145-0500 1.5 kw
 - 1450 CB145 R. Univ. Técnica Federico Santa María, Valparaíso is active on this frequency despite earlier information. 5 kw; 0000-0400 weekdays; 2000-0400 Saturday, Sunday.
 - 1460 CC146 R. Talcahuano is on 1100-0500 with 1 kw. (Arctic 7/14, 8/27)

- Colombia
- 1170 HJYJ R. Lemayá uses 2.5 kw, from El Guamo.
 - 660 HJJM R. Uno now belongs to RCN ex Todelar.
 - 730 HJCU R. Melodía belongs to Cadena Líder de Colombia, uses 50 kw.
 - 980 HJES R. El Sol now belongs to RCN ex Todelar
 - 1190 HJCT La Voz de la Costa belongs to Cadena Radial Sanmiguel (CARAS)
 - 1250 HJEM La Voz de Corozal now uses 3 kw. 1200-0600
 - 1350 HJDS Ondas de la Montaña belongs to Cadena Líder de Colombia
 - 1400 HJKM Em. Mariana 1200-0430 with 1 kw.
 - 1460 HJJW Nuevo Continente 1100-0600 with 5 kw.
 - 1480 HJTE R. Palonegro 1200-0600
 - 1490 HJAY Onda Nueva Popularísima, ex Onda Nueva 1150-0700 5 kw
 - 1510 HJZA Currently IDing just with HJZA while looking for a new slogan. Affiliated with Todelar.
 - 1520 HJLQ R. Minuto now uses 1 kw. Cadena Radio Sanmiguel.
 - 1530 HJDN R. Cine is correct name. This is HJNZ R. Popular-1440 form Radiosistema Federal.
 - 1550 HJET R. Fantasia, 1200-0600 with 5 kw
 - 1560 HJLP R. Espacial 1200-0600
 - 1600 HJZH R. Ciudad Milagro affiliated with Cadena Super. (Arctic 7/14, 8/27)

According to a note in Medellin, HJDN has left 1530 for FM. La Voz del Cine is on 1530. (SWNS 9/78)

- Costa Rica.
- 1125 TISRHB, R. Ellas, San José is heard here. (Arctic 7/14)
- This station calls itself Amigo. R. Ellas ID has been dropped. Apparently also gone are the R. Super IDs heard last winter by Chuck Hutton. Calls and AM and FM frequencies announced on the hour. (SWNS 9/78)

- Cuba. Radio Liberacion chain consists of:
- 630 Santa Clara
 - 640 Gramma
 - 640 La Habana
 - 650 Santiago
 - 730 Holguín
 - 740 Camagüey
 - 740 Pinar del Río
 - 900 Ciego de Avila
 - 1030 Guantanamo (Arctic 7/14)
- Two new relays of Radio Surcos have been noted on 1430 and 1530. (Arctic 8/4)

Dominica. Radio Jumbo-545, Roseau has been noted back on the air. (Arctic 7/14)

- Dominican Republic. Corrections to WRTH-78 by Richard Clark:
- 540 HIBM R. ABC, Santo Domingo ex HICM
 - 760 HI.. CP for a new station in Santo Domingo
 - 930 HICK Ondas del Yaque back here ex 940
 - 950 HIBA R. Popular, Santo Domingo, ex 920
 - 950 HIG R. Fiesta, Santo Domingo inactive
 - 1060 HIJB R. HIJB, Barahona inactive
 - 1100 HIMP R. Ocoa, San José de Ocoa, ex 1340, 1300-0500, 1 kw
 - 1100 HIRJ R. Jimani, La Voz de la Provincia, Jimani, 1100-0300 1 kw.

- 1120 HI.. R. Anacaona, San Juan is new
- 1190 HIAG R. Amul, Santiago ex 1470
- 1200 HIBS R. Dial, San Pedro de Macoris, ex R. 23
- 1220 HIN R. HIN, Santo Domingo, 1100-0800
- 1240 HICV R. Barahona, now 5 kw
- 1290 HIGA R. Guarocuya, Barahona, ex 1410
- 1310 HIMH R. Real, La Vega, ex HIHM
- 1320 HIHZ R. Boya, Sabana Grande de Boya, 0.5 kw
- 1330 HEFA La Voz de Las Fuerzas Armadas, Santo Domingo ex 1380
- 1390 HISS R. TV Dominicana, Barahona here ex 1370
- 1400 HISD R. TV Dominicana, Pedernales, ex 1410
- 1400 HISS R. TV Dominicana, San Juan, ex 1390
- 1410 HIAE La Gran Musical, Santo Domingo, ex R. Tricolor, 5 kw
- 1430 HICE R. Cayacoa, Higüey, ex 1440
- 1450 HIAC R. Util, Salcedo
- 1470 HIVP R. Cumbre, Villa Tapia, ex 1190
- 1480 HIAH R. 14-80, Santo Domingo, ex R. Hit, ex 1485
- 1530 HI.. R. Action, Santiago, new, 1 kw
- 1550 HITS R. Enriquillo, Tamayo, new, 1 kw
- 1560 HIPE R. Pedernales, La Voz de la Frontera, now 1 kw
- 1560 HIJC R. Maibá, Santiago, ex 1550 (Arctic 7/14, 8/27)

The Dominican government has proposed legislation to transfer government control of Radio Television Dominicana to the Armed Forces. It is said this will not affect programming or frequencies. (SCDX 8/15)

- Ecuador
- 690 HCJB1 La Voz de Los Andes ex 700 now uses 50 kw, 1000-0400
 - 1120 HCEB1 Ecos de Montufar 1330-0400 2 kw.
 - 1255 HCEM1 Ondas Carchenses 1200-0600, 5 kw
 - 1345 HCPB6 R. Paz y Bien, ex HCE30, 1030-0400 10 kw
 - 1390 HCEA5 R. Tropicana 1200-0600
 - 1510 HCVL7 R. Ecos del Oriente ex 1350, 1200-0400. (Arctic 8/27)

- Guatemala.
- 590 TGRQ R. Quiché heard IDing as Mi Radio and Onda 5-90.
 - 830 TGAV R. Guatemala, Mazatenango
 - 925 TGJL R. Imperial, San Pedro Garcho noted here, nom. 930
 - 1380 TGEB R. Momesttenango Educativa, Momesttenango, ex 1360.
 - 1340 TGCO La Voz del Trópico, Coatepeque now here with 10 kw ex 1490. 24 hours. (Arctic 7/14, 8/27)

AWR America will be on the air later this year from Guatemala City with 10 kw MW. Plans to expand later. (SWNS 7/78)

- Haiti. Info from WRTH and Richard Clark:
- 640 AVJS La Voix du Seigneur, Port-au-Prince is new, 0.21 kw 1700-1900 and 0000-0400.
 - 740 AVIE R. Lumière is located in Pignon
 - 885 AVGS R. Independance, Gonaves, 1200-0500 0.3 kw
 - 895 AVB R. Trans-Artibonite, Gonaves, 1200-0500.
 - 895 AVRNM R. Nouveau Monde 10 kw as of 6/20.
 - 930 AVJS R. Variété, delete, see 640.
 - 940 AVLF R. Saint Marc, Saint Marc, 1400-0400, 0.4 kw
 - 985 AVPCS R. Cacique, Port-au-Prince, nom. 990, here, 0.2 kw
 - 1020 AVJH R. Pétiou-Ville, Pétiou-Ville, 1200-0200, 0.25 kw
 - 1080 AVRD R. Nationale, Port-au-Prince, now 20 kw, 1100-0600 WRTH lists this on 1090.
 - 1145 AVAB R. Caraibes, Port-au-Prince, now 0.25 kw
 - 1170 AVRS R. Soleil, Port-au-Prince, new 10 kw, 1100-1530, and 2300-0500. (Arctic 8/4)

- Honduras
- 930 HRZV R. Fabulosa, San Pedro Sula, ex 900 kw, 1760-0630
 - 930 HRMH La Voz del Junco reported here, nom. 1010.
 - 1130 HRQD R. Mambi, San Pedro Sula, 1 kw, 1300-0600
 - 1163 HRGP R. Paraiso, El Paraiso, noted here nom. 1150

- Paraguay.
- 1480 ZP20 R. América 1100-0300; Sundays 1200-0200.
 - 610 ZP30 La Voz del Chaco Paraguayo 1100-1500 and 2300-0300.
 - 780 ZP70 R. Primero de Marzo stopped 24 hours programming as of 7/18. Now on 0900-0700 Sun-Fri, 24 hours on Sat (Arctic 7/14 and 8/27)

- Puerto Rico. Corrections to WRTH-78 from Richard Clark:
- 1030 WOSO R. 1030 or EL Oso, 10 kw
 - 1260 WISO R. WISO, ex Radio Ito
 - 1300 WTIL Radio Util, Mayaguez
 - 1330 WENA Peñuelas is not on the air yet
 - 1460 WFAB La Fabulosa, Juncos, ex Radio Rumbos
 - 1470 WKCK Orocovis, not on the air yet. (Arctic 7/14)

Trinidad and Tobago. NBS, Port of Spain operates on 610 with power of 10 kw, using a single 360' tower omnidirectional. They are presently installing a CCA 50 kw transmitter for 610. (Arctic 7/14)

- Uruguay-
- 1370 CX42 Em. Ciudad de Montevideo apparently new name for R. Vanguardia.
 - 1424 CW142 La Voz de Artigas has been closed by government for broadcasting "political music."
 - 1560 CW51 R. Maldonado 1100-0500 from April to Novemb er. 24 hours rest of year.
 - 540 CW1 R. Colonia heard here ex 550
 - 690 CX8 R. Sarandí, Montevideo, 24 hours, 25 kw.
 - 850 CX18 R. Carbe 0925-0500 with 50 kw (Arctic 7/14 and 8/27)

Venezuela. A 1000 kw station will be set up in NW Venezuela. (NZDX 7/78) Station will be in area of Paraguaná, Falcon state. (Arctic 8/27)

1120 YVZX R. República ex 1310

1330 YVOY R. Los Llanos has increased power to 5 kw. (Arctic 8/27)

TRANS-PACIFIC

Australia. A new educational and cultural station is 2WEB, Bourke, NSW, 580 kHz with 2 kw. Frequency will change to 576 in November. First tests will be in July. The new commercial station in Woolongong NSW will be 200 on 1370; expected in October. (NZDX 7/78)

2BE-750 signs off at 1406

2CT-1390 is on 1930-1130. 2UW has applied for a call change. They want W10, although they will continue with 2UW. 2KA-Katoomba began operation on May 15, following the start of its 250 watt translator frequency (1480) at Emu Plains.

China. Radio Peking broadcasts in FF to SE Asia 1300-1400 on 1300 kHz. (SCDX 8/8)

South Korea. The Far East Radio Club has published a list of South Korea MW stations, available for 2 IRCs for airmail delivery DXers can also get a copy of their monthly bulletin, "Log" for 3 IRCs. Far East Radio Club, c/o Hajime Takamatsu, 1-65 Honjyo-cho, Minami-Ku, Nagoya City, Aichi-pref., 457 Japan. (SCDX 6/13)

New Zealand. Two stations are competing for a license for Oamaru. Radio Avon proposes a mini-network while Radio NZ is planning Radio Waitaki.

Papua New Guinea. Frequencies to be observed at the 23 Nov. frequency changes are: 675 Lae; 675 Wewak; 810 Rabaul; 864 Madang; 900 Goroka; and 585 Port Moresby. (NZDX 7/78)

Thailand. A new station at Ranong on 1600 opened 30 April. The Thai Broadcasting Control Board has authorized the "Ko Wo So" station on Surin to change from 1350 to 747 in Nov. Permission has been granted to shift the site of the Bangkok station on 1000 to Udon Thani. The 25 stations under control of the Army Signal Corps have been authorized to broadcast 2200-1900. (NZDX 7/78)

Women In DXing. All women DXers are invited to write to Grete Osmundsen, Grenavægen 7, N-5500 Hagesund, Norway. She has received letters from 35 women DXers. All women with opinions on how to break the male domination of the hobby are invited to write. (SCDX 8/1)

Publications. A complete list of all Czechoslovakian LW and MW stations under the new plan is available for 1 IRC in Europe and 2 IRCs overseas from Karel Honzik, Sokolowska 31, 32312 Plzen - Lochotin, Czechoslovakia.

A record of interest to MW DXers is The World of MW Radio Stations, containing station IDs, jingles, s/ons and themes from over 80 stations. Double stereo record costs \$5.99 overseas; double cassette costs \$6.75 overseas. Payment should be made to East Anglian Publications, Studio House, 21 Walton Road, Frinton-on-Sea, Essex CO13 0AA, England. (SCDX 7/25)

This has been a big column and I'm still holding a bunch of Brazilian stuff. If you have any ideas about a new name for this column instead of the rather prosaic DXWW II, please drop me a line. 73 de FJP.



Father Jack Pejza
212 S. Carpenter Rd.
Modesto, CA 95351

TRANS-PACIFIC

Australia 6KA-1260, Karratha, is due on the air in Sept. Power will be 2 kw.

A special service for blind and other handicapped persons will be set up by the Federal Ministry for Post and Telecommunications, on approximately 1750 kHz. Licenses to operate this will be offered to the Sydney Radio Foundation for the Print Handicapped and to the Radio for the Blind in Melbourne and Hobart.

The operators of the experimental Canberra community station 2XX have won the right to stay on the air by default. Their opponents have withdrawn their application.

7BU-560 is to change to 990 kHz shortly with 5 kw day and 2 kw standby. (NZDX 9/78)

Hawaii. MW station KAIM plans to hand over its construction permit for a SW station on Maui to HCJB, if the FCC permits. (NZDX 9/78 from NASWA)

New Hebrides. Vila-1420 has raised power to 2 kw and will raise it again to 10 kw within a year. The 2 kw transmitter will be sent to Esperito Santo as a relay station. (Tune-In via NRC 9/25)

New Zealand. Radio Raema is scheduled to open on 10/14 on 1570 kHz. New possible private stations are at Bay of Islands Rotorua (R. Rainbow), Thames, Palmerston North, Wanganui, and Invercargill. Radio K, Palmerston has been assigned the call of 4XK. Power is 100 watts and frequency asked for is 950 or 1260. 2ZG Gisbourne plans to open a repeater at Ruatoria within the next two years. R. New Zealand has won licenses for mini-stations at Oamaru and Ashburton, over Radio Avon's applications. Ashburton is expected to be on the air by the end of the year. Possible frequency is 870. (NZDX 9/78)

Changes: 830, add 1YK; 970 add 1YE; 1010 add 12K and 12F; 1510 station is 3YR not 3JR; 970 delete 12N; 1010 delete 1YK; 1050 delete 1YE; 1440 delete 12K; 1590 delete 1XI; 1330 add 1XI. (HCJB's DX Party Line via Bob Fomsworth from NRC 9/25)

Singapore. MW frequencies after 11/23:

EE	630	50 kw
CC	675	50
Malay	990	50
Tamil	1388	50
Multi	792	750

(WRTH Newsletter via NZDX 9/78)

LATIN AMERICA

Argentina. Four stations, LT4-670 R. Dif. Misiones, LT13-1476 R. Obera; LT18-1210 R. Eldorado, and LT45-1500 R. Dif. San Javier have formed the Misiones Association of Private Radio Stations. The new association plans on promoting and defending national values in the border area. (Arctic 9/8)

LU14-780 is now 25 kw. (WRTH Newsletter via NRC 9/25)

R. Nacional de Cruzeiro do Sol in Porto Velho with 10 kw.

R. Nacional de Tabatinga-670 is new with 10 kw. (WRTH via NRC 9/25) (Ed. Note: Porto Velho is in Brazil, I believe).

R. Nacional de Cruzeiro do Sol on 720.

Brazil

720	ZYI390	R. Dourados ex ZYX23 R. CL. de Dourados
720	ZYB85	R. CL. de Pernambuco is 24 hours
730	ZYJ787	Soc. da R. Tubã ex ZY09 0850-0400.
730	ZYJ308	R. Marumbi ex ZYE404 0830-0400
740	ZYH221	R. Cult. Riograndina ex 890 uses 5/0.25 kw
750	new	R. Heróis do Jenipapo, Campo Maior, PI uses 1/0.25 kw
760	new	R. Difusora de Picos, Picos, PI, 1/0.25 kw
760	ZYD41	R. Federal now uses 25/10 kw
770	ZYR261	R. Jornal do Povo now uses 5/0.25 kw
780	new	R. Nacional de Eurinepé, AM power of 10 kw
780	ZYB87	R. Jornal do Comércio now 24 hours.
790	new	R. Soc. de Ponte Nova, MG, 1/0.25 kw
790	new	R. Cult. de Guarabira, PB, 1/0.25 kw
810	ZYK604	R. Dif. Jundiariense ex ZYE422
820	ZYK542	R. Aparecida ex ZYE236
840	new	R. Nacional de Porto Velho, RO, 50 kw
850	new	R. Veredas, Uvaí, MG 1/0.25 kw
850	new	Soc. R. Marabá, PA 1/0.25 kw
870	new	R. Araguaia, GO 1/0.25 kw
890	ZYJ755	R. Canoinhas ex ZYH79 1000-0400
890	ZYK690	R. Gazeta 24 hours
900	ZYR242	R. Brasil Novo ex R. Cult. de Rio Preto
920	ZYE240	R. Franca do Imperador now 5/0.25 kw
930	ZYK652	R. Cult. do São Vicente ex ZYE350
950	ZYL212	R. Atalaia 24 hours
960	ZYE73	R. Cidade Cangão ex R. Dif. de Maringá
970	ZYJ730	R. Araguaia de Brusque ex ZYH231
970	new	R. Uirapurú, Zuziada, CE, 1/0.25 kw
970	ZYJ6	R. Piratininga ex R. Dif. de São João da Boa Vista
1010	ZYK240	R. União ex ZYU103 União R. Clube 0900-0330
1010	ZYE44	R. Celinauta uses 10/5 kw
1010	new	R. Camboríu, SC 1/0.25 kw
1020	ZYJ244	R. Colombo do Paraná ex ZYE349
1030	ZYK253	R. Repórter ex ZYH286
1050	ZYD57	R. Cult. Angrense is closed.
1060	ZYE308	R. Educ. de Piracicaba 1000-0500
1060	ZYF	R. Cauê ex 1580 now uses 5/0.5 kw
1080	ZYH708	R. Independência 1000-0500
1110		R. Dif. Indio Condé now uses 2/5/0.25 kw
1160	ZYH65	R. Luz e Alegria ex 1450; 1/0.25 kw
1170	ZYJ273	R. Atalaia de Curitiba ex ZYE347; 24 hrs, 10 kw
1170	ZYU38	R. Municipal closed
1200	new	R. Educ. de Francisco Beltrão, PR, 1/0.25 kw
1240	new	R. Dif. de Campo Grande, MT, 5/1 kw
1260	new	Em. Fandango, Cachoeira do Sol, RS, 1/0.25 kw
1260	ZYJ740	R. Blumenau now uses 5/0.25 kw
1270	ZYF31	R. Herval d'Oeste is closed.
1330	ZYV33	R. Diamantinense ex 1530
1330	new	R. Educ. Inconfidência, Umuarama, PR, 5/0.25 kw
1400	ZYD9	R. Dif. Acreana ex 1460. 10 kw
1440	new	R. Ceres, Campo Real, RS 1/0.25 kw
1450	ZYH	R. Guarujá is off the air
1450	new	R. Interior, Pinheiro, MA 1/0.25 kw
1450	new	R. Rural de Fraiburgo, SC, 1/0.25 kw
1450	new	R. Dif. Ubiratanense, Ubirata, PR, 1/0.25 kw
1460	new	R. Educ de Uruaguá, GO, 1/0.25 kw
1460	new	R. Em. Araçuaia, Barra do Garças, MT, 1/0.25 kw

1460 new L.C. Emissoras, São Roque, SP, 1/0.25 kw
 1460 new R. Educ. de Porteirinha, MG, 1/0.25 kw
 1470 new R. Dif. Serra dos Cristais, Cristadura, GO 1/.25
 1480 new R. Cruzeiro do Sol, Itaquil, RS, 1/.25 kw
 1480 new R. Notícias Brasileiras, Itabira, MG 1/.25 kw
 1480 new R. Vale do Taquari, Covim, MT 1/.25 kw
 1480 new R. Cult. de Iporã, PR, 1/.25 kw
 1480 new R. Bahiana de Itaberaba, BA, 1/.25 kw
 1480 new R. Princesa do Vale, Agu, RN 1/.25 kw
 1490 new R. Soc. de Pombal, PB 1/.25 kw
 1490 new Em. Sul Gciana, Quirinópolis, GO, 1/.25 kw
 1500 new R. Macigo, Baturite, CE 1/.25 kw
 1500 new R. Jainara, Bacabal, MA, 1/.25 kw
 1510 new R. Eldorado, Mineiros, GO, 1/.25 kw
 1510 new R. Educadora Santana do Caetite, BA 1/.25 kw
 1510 new R. Planalto do Ibiapaba, São Benedito, CE 1/.25
 1510 new R. Cidade de Maracaju, MT 1/.25 kw
 1520 new R. Cult. Palotinsense, Paoltina, PR 1/.25
 1520 new R. Correio do Sertão, Santana do Ipanema, AL
 1/0.25 kw
 1520 new R. Pontal do Triangulo Mineiro, Itarama, MG
 1/.25 kw
 1520 new R. Santalenses, Santa Helena de Goiás, GO
 1/.25 kw
 1530 new R. Cult. de Varzea Alegre, CE 1/.25 kw
 1530 new R. Curimataú de Nova Cruz, RN, 1/.25 kw
 1530 new R. Porto Feliz, Mondai, SC, 1/.25
 1530 new R. Regional de Cianorte, PR, 1/.25 kw
 1540 new R. Sant'ana de Tanguá, CE, 1/.25 kw
 1540 new Nova R. Independencia, Monteiro PB 1/.25
 1550 new R. Guarujá Paulista, Santos, SP 1/.25
 1550 new R. Pioneira de Formosa, Formosa do Oeste, PR
 1/.25
 1550 new R. Vale do Salgado, Lavras da Mangabeira, CE
 1/.25
 1550 new R. Cult. de Mavira, MT 1/.25
 1550 ZYJ783 R. Cl. de São João Batista is closed.
 1550 new R. Acaiaça, Pirapora, MT, new 1/.25
 1560 new R. Princesa da Serra, Itabaiana, SE 1/.25
 1560 new R. Cult. Riograndense, Pandos Seros, RN 1/.25
 1560 new R. Cristo Educativa, Pires do Rio, GO 1/.25
 1560 new Nova R. Independencia, Piceú, PB 1/.25 kw
 1560 new R. Dif. Vale do Curu, Pontecosta, CE 1/.25
 1560 new R. Dif. Cacique, Nova Andradina, MT 1/.25
 1570 new R. Costa do Sol, Araruama, RJ, 1/.25
 1570 new R. Princesa Serrana, Timbaúba, PE 1/.25
 1570 new R. Sul Matogrossense de Emissoras, Aparacida
 do Taboada, MT 1/.25
 1570 new R. Sertão Central Senador Pompeu, CE 1/.25
 1580 new R. rio Claro, Iporã, GO 1/.25
 1580 new R. Chopinzinho, PR 1/.25
 1580 new Rede Independente de Radio, Jardim, MT 1/.25
 1580 new Fundação Padre Martin Kircht, Espinosa MG 1/.25
 1580 new R. Cl. de Birigui, SP, 1/.25
 1580 new R. Independencia de Medianeira, PR, 1/.25
 1580 new R. Difusão Fronteira, Arroio Grande, RS 1/.25
 1590 new Soc. Radiodifusão Independente, Cruz Alta, RS
 1/.25
 1590 new R. Inharé, Santa Cruz, SC 1/.25
 1590 new R. Independencia, Eldorado, MT 1/.25
 (Arctic 8/27)
 830 ZYF32 Ex 760 now uses 10/5
 840 new R. Wal. do Porto Velho with 10 kw.
 (WRTH Newsletter via NRC 9/25)
 540 ZYJ778 R. Mirador is still here.
 580 ZYH87 R. São Gabriel ex 670
 620 ZYH201 R. Dif. Alto Vale ex 1400; 5/0.25 kw
 870 ZYB38 R. Educ. Sampaio ex 1420. Station had earlier
 planned a new station here, so may be using
 both frqs.
 920 ZYV45 R. Clube de Passa Quatro ex 1580
 920 new R. Cult. de Linhares, ES 1/.25 kw
 920 R. Dif. de Picos ex 760
 1020 ZYK515 R. Cult. de Assis ex 1330
 1160 new Radiodifusão Alegretense, Alegrete, RS 1/.25
 1210 ZYK202 R. Pampa ex ZYH280 R. Caicara. This station as
 well as ZYK201 R. Caicara-970 and ZYK203 R.
 Eldorado-1300 belong to Rede Riograndense de
 Emissoras Ltda. All 24 hours.
 1300 new R. Eldorado, Santo Cristo, RS 10 kw
 1450 new R. Cult. de Palmares, PE 1/.25 kw
 1460 new R. Guairá, PR 1/.25 kw
 1470 new R. Cl. de Santo Antonio de Jesus, BA 1/.25
 1480 new R. Cult. de Paulo Alfonso, BA 1/.25
 1480 new R. A Voz do Sertão, Serra Talhada, PE, 1/.25
 1490 new Em. Santa Cruz, Para de Minas, MG 1/.25
 (Arctic 9/8)
 Many call and slogan changes, too numerous to
 list)

Chile

1335 CD134 Reported on 1335 ex 1490. (WRTH via NRC 9/25)

Colombia

1340 HJKD Armonias del Sur ex La Voz de la Gaitana.
 (Arctic 9/8)
 1005 HJDH New call for R. Colosal
 1170 R. Lemaya now 2.5 kw (WRTH via NRC 9/25)
 1040 HJBF La Nueva Voz del Norte ex 1340, 15 kw. (NZDXT 9/78)

Costa Rica

1240 R. Barahona now uses 5 kw. (WRTH via NRC 9/25)

Cuba

1140 R. Habana Cuba announced that a new 1 kw transmitter is
 here in Media Luna, Granma Province. Other
 (Arctic 9/8) transmitters will be installed in Bayamo
 and Pilon to cover the province better.

Dominican Republic

670 HILD R. 670 San Pedro now on the air
 830 HIJB Directional.
 860 HILR R. Clarin 50/10
 950 HIG Inactive
 950 HIBA R. Popular ex 920
 1530 HIJN R. Action, Santiago, 24 hrs. NSP
 1410 HIAE La Gran Musical, ex R. Tricolor
 (Richard Clark, NRC 9/25)
 Radio Television Dominicana currently announces that its
 domestic service from Santo Domingo uses the following
 frequencies: 620 Santo Domingo; 1270 Santiago; 1310 El Seibo;
 1360 Monte Cristi; 1360 La Vega; 1370 Barahona; 1390 San Juan
 de la Maguana; 1400 Pedernales; 1500 Puerto Plata. News
 bulletins at 100, 1700, 2330 and 0300. (Arctic 9/8)

Guatemala. La Voz del Trópico, Coatepeque on 1490 has been
 authorized to increase power from 1 to 10 kw. (Arctic 7/14)

Haiti

1190 4VAF La Voix de la Gran Anse, Jérémie, Tues/Thur
 0000-03-0, 0.2 kw
 1210 4VLS Radio Progrès, Port-au-prince, W:1100-0600;
 Fri/Sun: 24 hours. 1 kw. NRC reports on 1207.
 1280 4VGA Radio Capois, La Mort, delete.
 1280 4VAM Radio Métropole, now 3 kw
 1370 4VMN Radiodiff. Cayenne, Les Cayes, 1200-0400.
 1385 4VARH La Voix du Nord Ouest, 1300-1800, 0000-0300.
 1465 4VCP La Voix du Nord, now 0.2 kw
 1500 4VBD R. Citadelle, ex 1110, 0.5 kw; 1200-0500.
 (Arctic 7/14)
 1410 4V.. A new Haitian is here. (Richard Clark NRC 9/25)
 1090 La Voix de la Revolution Duvalieriste, delete
 1190 4VAF La Voix de la Grand Anse now 0.2 kw
 1210 4VLS R. Progrès, 1 kw
 1250 R. Diff. Haïtienne, delete
 1280 R. Capois La Mort, delete
 1475 La Voix du Peuple, 1100-0500, 500 watts
 1500 R. Select, delete (WRTH via NRC 9/25)

Nicaragua

1160 R. Libertad, San Salvador ex 1390. (WRTH via NRC)
 725 R. Titania here ex 730 per the station.

Paraguay

1427 2P35 Reported here ex 1430. (WRTH via NRC 9/26)

Uruguay

Power on the three stations in Rivera is to be increased. The
 three are CX144 R. Rivera-1446; CW43B R. Internacional-1480,
 and CW158 R. Reconquista-1580. (Arctic 9/8)

U.S. of A. KXEG, Tolleson, AZ-1010 now IDs as "the new 24
 hour XEG" in SS, with full required legal IDs in EE on the
 hour. Part of the chain that owns several Mexicans: XEG-1050
 with 10/150 kw, DA with the main lobe at 20°; XEGM-950
 is DA-1, not DA-2; ditto XETRA and XEPRS. (Richard Wright,
 NRC 9/25)

TRANS-ATLANTIC

Bulgaria

962 Bulgar with Radio Sofia program back here. The new Sofia
 local? (Arctic 9/8)

Czechoslovakia

953 The Prague station has returned to the air. (NZDXT 9/78)

Egypt

1273 Assuan ex 1277. (NRC via NZDXT 9/78)

France. A magistrate ruled that since free speech is allowed
 in the country, a pirate Radio Pils Blue could not be prose-
 cuted by the government. The government then took steps to
 tighten up the laws, but the action in the National Assembly
 showed that the government was not opposed to certain local
 stations under certain conditions. The whole question of
 regional stations will have to be considered again. The
 pirate stations continue to test the situation. Freedom
 in French radio may be closer than anyone could have imagined.
 (Billboard 8/12 via Arctic 9/8)

Holland. All MW stations will move 1 khs up the dial except
 Hoogezaand which will move from 1594 to 1395. (Arctic 9/8)

India Add: Ambikapore, 1260 and Mathura 1530. (NZDXT 9/78)

Iran NIRTO programs(?)

557 First station, also 580 and 1188 khz; all in Persian
1532 Second station, 0380-2300, all in Persian
1555 NIRT International Program; 0230-2200 except Th/Fri
0400-2200 on Thursday and Fri. (Arctic 9/8)

Italy

1367 R. Alternativa, Cagliari has been heard in Finland.
(Arctic 9/8)

Jordan Radio Jordan will undergo a major expansion. The Continental Electronics has agreed to boost R. Jordan at a cost of \$4.5 million. Two million watts will be the power. The present Arabic service will become Radio 1; Radio 2 will include educational and special programs. The EE programs will be extended to two separate programs. (Arctic 9/8)

Libya

1611 Voice of the Holy Quran has been heard testing here. Perhaps Mebo II? (Arctic 9/8)

Saudi Arabia Tests consisting of long periods of silent carrier, religious talks and Quran recitations continue to be carried on 1520, 611 and 548 khz. (NZDXT 9/78)

MW frequencies after 11/23 are:

Table with 4 columns: Frequency, Station Name, Power, and Notes. Includes entries for Al Diriyah, Gizan, Cisaan, Jeddah, Buraidah, Al Damman, Al Madina, Al Diriyah, Taif, and Jeddah.

Spain.

1565 EFJ51 R. Juventud de Huelva is here. (Distance, via NRC 9/25)

Syria Voice of the People domestic service in AA is daily 0355-0800 and 1500-1900 on 1313, 1070, 953, 927, and 872 khz. (NZDXT 9/78)

U.S.S.R. Radio Moscow EE service to Europe and Africa 2800-2400 on 890, 935, 1142, 1322, 1385, 1493 and 1546. (Arctic 9/8)

Again, a fairly lengthy column. It seems that the various bulletins all arrive at the same time. One sidelight: the school in San Diego used as a morgue for the PSA plane crash was where I used to teach and live.

XEMO-AM 860 Khz logo

AIDS IN IDING KOREAN STATIONS -- Bill Harms

There are probably many times that a TP is received with tx and the time pips and calls aren't very clear, but if the language was known it might help in IDing the station. After looking at the past IRCA Foreign Logs, I found articles written about Japanese and Chinese, but none about Koreans, so there might be some need for Korean language aids.

Korean is most easily recognizable by the verb endings. Korean, like Japanese and unlike Chinese, usually end every sentence with the verb. Without going into a great detail as to the meanings, the most common endings sound like "hamida, ...seumida, ...shimida, ...gamida, ...imida, etc." For questions instead of "...da" for the syllable "ga" is used. The above is the high level of speech, mostly commonly encountered on radio. Other levels of speech may be used occasionally.

For reference for pronunciation of the names found in WRTH the following is offered:

- First of all, no system of Romanization of Korean is perfect and only approximates the English sounds.
i - sounds like long e sound in eat
oi- sounds like "we" sound in where
o- without adjacent vowels sounds like o in cone
eo- together in a syllable sounds like u in under
a - sounds like a in father
eu- no real English equivalent, but is somewhat similar to each other and is similar to e in error
u- sounds like oo in moon
k or g- are actually the same sound (don't confuse ng and g)
Doesn't really sound like either k or g, but is somewhere in between.
j - is somewhere in between English J and ch
ch- is aspirated English CH
b- is in between English p and b
p- is aspirated English P

Caution: there are other systems of Korean Romanization and this one is meant only for use in the WRTH and my articles. The other letters sound similar to their English equivalents.

NEW MW CHANNEL PLAN IN JAPAN, EFFECTIVE FROM 23rd NOVEMBER, 1978.

Compiled & typed by HAYASHI, Yoshiaki.
Published by Japanese Ass. of DXers.

Table with 4 columns: KHz (present), kW, JO, Station name & location. Lists various Japanese stations and their frequencies across multiple columns.

* Please see additional page 77.

Call Sign	Frequency (MHz)	Power (kW)	Station Name & Location
963(960)	1 SP N1		Saga, Saga.
990(990)	10 RK N1		Kōchi, Kōchi.
999(1000)	1 TQ N1		Hachinohe, Aomori.
999(1000)	1 DG N1		Hamamatsu, Shizuoka.
999(1000)	1 DP N1		Onomichi, Hiroshima.
999(1000)	1 HQ N1		Kakamura, Kōchi.
999(1000)	0.1 N1		Komagane, Nagano.
999(1000)	0.1 N1		Miyuzi, Iyō.
999(1000)	0.1 N1		Tsuwano, Shigane.
1008(1010)	50 NR P		ABC(Osaka), Osaka.
1017(980)	50 LR N2		Fukuoka, Fukuoka.
1026(1030)	0.1 N1		Engaru, Hokkaidō.
1026(1030)	0.1 N1		Esashi, Hokkaidō.
1026(1030)	0.1 N1		Miyako, Iwate.
1026(1030)	0.1 N1		Funato, Iwate.
1026(1030)	0.1 JQ N1		Yonezawa, Yamagata.
1026(1030)	0.1 NQ N1		Komoro, Nagano.
1026(1030)	0.1 N1		Miso-Fukushima, Nagano.
1026(1030)	0.1 N1		Yamanaka, Ishikawa.
1026(1030)	0.1 FT N1		Tsuruga, Fukui.
1026(1030)	0.1 OT N1		Fukuchiyama, Kyōto.
1026(1030)	0.1 RQ N1		Shingū, Wakayama.
1026(1030)	0.1 N1		Eurayoshi, Tottori.
1026(1030)	0.1 TS N1		Hamada, Shimane.
1026(1030)	0.1 N1		Eure, Hiroshima.
1026(1030)	0.1 UI N1		Shimonoseki, Yamaguchi.
1026(1030)	0.1 IV N1		Hita, Ōita.
1026(1030)	0.1 N1		Hobayashi, Miyazaki.
1026(1030)	0.1 N1		Fushima, Miyazaki.
1026(1030)	0.1 N1		Akune, Kagoshima.
1026(1030)	0.05 N1		Nakatombetsu, Hokkaidō.
1026(1030)	0.05 N1		Sukuma, Kōchi.
1035(1030)	1 JD N2		Tsuruoka, Yamagata.
1035(1030)	1 TC N2		Toyama, Toyama.
1035(1030)	1 HD N2		Takamatsu, Kagawa.
1035(1030)	0.1 N2		Miyoshi, Hiroshima.
1035(1030)	0.1 ZZ N2		Niihama, Ehime.
1035(1030)	0.1 ZI N2		Yahatanama, Ehime.
1035(1030)	0.1 K2		Taishō, Kōchi.
1053(1050)	50 AR P		CBC(Nagoya), Aichi.
1062(1060)	0.1 P		STV(Abashiri), Hokkaidō.
1062(1060)	0.1 GE P		RAB(Hirosaki), Aomori.
1062(1060)	0.1 P		IBC(Kamaishi), Iwate.
1062(1060)	0.1 P		IBC(Naesawa), Iwate.
1062(1060)	0.1 WE P		RFC(Aizuwakamatsu), Fukushima.
1062(1060)	0.1 WW P		RFC(Iwaki), Fukushima.
1062(1060)	0.1 XM P		CRT(Ashikaga), Tochigi.
1062(1060)	0.1 JL P		YBS(Fujiyoshida), Yamanashi.
1062(1060)	0.1 SL P		SBC(Ueda), Nagano.
1062(1060)	0.1 SE P		SBC(Okayasuwa), Nagano.
1062(1060)	0.1 DE P		BSN(Nagaoka), Niigata.
1062(1060)	0.1 VE P		SBS(Kakegawa), Shizuoka.
1062(1060)	0.1 P		CBC(Gero), Gifu.
1062(1060)	0.1 P		CBC(Kanioka), Gifu.
1062(1060)	0.1 SM P		Tokai R(Owase), Mie.
1062(1060)	0.1 BO P		KBS(Hazurui), Iyōto.
1062(1060)	0.1 P		WBC(Tanaba), Wakayama.
1062(1060)	0.1 YO P		RSK(Tsuyama), Okayama.
1062(1060)	0.1 YE P		RSK(Hiimi), Okayama.
1062(1060)	0.1 EO P		RCC(Fukuyama), Hiroshima.
1062(1060)	0.1 P		Shikoku btg(Ikeda), Tokushima.
1062(1060)	0.1 P		RKB(Yukuhashi), Fukuoka.
1062(1060)	0.1 FE P		RKB(Omuta), Fukuoka.
1062(1060)	0.1 P		HBC(Hirado), Nagasaki.
1062(1060)	0.1 P		RKB(Hitoyoshi), Kumamoto.
1062(1060)	0.1 P		MBC(Kanoya), Kagoshima.
1071(1070)	20 FK N1		Hiroshima, Hiroshima.
1089(1090)	10 HB N2		Sandai, Miyagi.
1098(1100)	5 WO P		RFC(Kōriyama), Fukushima.
1098(1100)	5 SR P		SBC(Nagano), Nagano.
1098(1100)	0.1 P		SBC(Ina), Nagano.
1098(1100)	5 GP P		OBS(Ōita), Ōita.
1098(1100)	0.1 P		OBS(Saiiki), Ōita.
1098(1100)	5 NF P		MRT(Miyazaki), Miyazaki.
1098(1100)	1 EL P		YBC(Tsuruoka), Yamagata.
1098(1100)	1 MF P		NBC(Sasebo), Nagasaki.
1098(1100)	0.1 P		NBC(Shimabara), Nagasaki.
1107(1110)	d 5 MR P		MRO(Kanazawa), Ichikawa.
1107(1110)	d 5 CF P		MBC(Kagoshima), Kagoshima.
1107(1110)	1 BW P		KBY(Hikone), Shiga.
1107(1110)	1 KL P		RNC(Kannonji), Nagawa.
1116(1120)	d 5 DR P		BSh(Niigata), Niigata.
1116(1120)	d 5 AF P		RNB(Hamatsuyama), Ehime.
1116(1120)	0.1 P		RNB(Inabari), Ehime.
1116(1120)	0.1 P		RNB(Yahatanama), Ehime.
1116(1120)	1 P		RBC(Ishigaki), Okinawa.
1116(1120)	0.1 HM P		BSN(Hamada), Shimane.
1125(1360)	10 AD N2		Naha, Okinawa.
1125(1370)	1 AZ N2		Nayoro, Hokkaidō.
1125(1080)	1 OC N2		Obihiro, Hokkaidō.
1125(1080)	1 IT N2		Muroran, Hokkaidō.
1125(1370)	1 CZ N2		Takayama, Gifu.
1125(1080)	1 LR N2		Tottori, Tottori.
1134(1130)	100 QR P		NCB(Tōkyō), Tōkyō.
1143(1140)	20 BR P		KBS(Kyōto), Kyōto.
1152(1150)	10 FC N2		Kushiro, Hokkaidō.
1152(1150)	10 RB N2		Kōchi, Kōchi.
1152(1150)	0.1 P		RBC(Hirara), Okinawa.
1161(1160)	0.1 N1		Imagane, Hokkaidō.
1161(1160)	0.1 UT N1		Ōdate, Akita.
1161(1160)	0.1 HS N1		Kensennuwa, Miyagi.
1161(1160)	0.1 N1		Naruku, Miyagi.
1161(1160)	0.1 HT N1		Aizuwakamatsu, Fukushima.
1161(1160)	0.1 N1		Tsunan, Niigata.
1161(1160)	0.1 N1		Atami, Shizuoka.
1161(1160)	0.1 CS N1		Toyoashi, Aichi.
1161(1160)	0.1 N1		Nakatsugawa, Gifu.
1161(1160)	0.1 N1		Shirotori, Gifu.
1161(1160)	0.1 CT N1		Ueno, Mie.
1161(1160)	0.1 CU N1		Owase, Mie.
1161(1160)	0.1 FY N1		Obama, Fukui.
1161(1160)	0.1 BT N1		Tanabe, Wakayama.
1161(1160)	0.1 N1		Kozu, Wakayama.
1161(1160)	0.1 BU N1		Toyooka, Hyōgo.
1161(1160)	0.1 N1		Rumi, Hokkaidō.
1161(1160)	0.05 IX N1		Matsunae, Hokkaidō.
1161(1160)	0.05 N1		Shōbara, Hiroshima.
1161(1160)	0.05 OR P		MBS(Osaka), Osaka.
1184(1190)	10 KP N1		Kitami, Hokkaidō.
1197(1200)	5 YF P		IBS(Mito), Ibaraki.
1197(1200)	d 5 BF P		GBS(Kumamoto), Kumamoto.
1197(1200)	1 SW P		SBC(Iida), Nagano.
1197(1200)	1 FO P		RFB(Kitakyōshi), Fukuoka.
1197(1200)	d 1 MO P		MRO(Naha), Ishikawa.
1197(1200)	0.1 WL P		STV(Asahikawa), Hokkaidō.
1197(1200)	0.1 P		GBS(Hagiwara), Gifu.
1224(1220)	10 JK N1		Kanazawa, Ishikawa.
1233(1230)	5 UR P		RBC(Nagasaki), Nagasaki.
1233(1230)	d 5 GR P		RAB(Aomori), Aomori.
1242(1240)	100 LF P		Hippon btg(Tōkyō), Tōkyō.
1251(1250)	5 TF P		KRR(Naha), Okinawa.
1260(1260)	20 IR P		TBC(Sendai), Miyagi.
1269(1280)	5 HW P		HBC(Obihiro), Hokkaidō.
1269(1280)	d 5 JR P		Shikoku btg(Tokushima), Tokushima.
1278(1270)	50 FR P		RFB(Fukuoka), Fukuoka.
1287(1290)	50 HR P		HBC(Sapporo), Hokkaidō.
1296(1300)	10 TK N1		Katsue, Tottori.
1314(1310)	50 UF P		OBC(Osaka), Osaka.
1323(1320)	1 PE N1		Fukushima, Fukushima.
1332(1330)	50 SF P		Tokai R(Nagoya), Aichi.
1341(1340)	0.1 N1		Nakashibetsu, Hokkaidō.
1341(1340)	0.1 N1		Urakawa, Hokkaidō.
1341(1340)	0.1 N1		Hanawa, Akita.
1341(1340)	0.1 N1		Yokota, Akita.
1341(1340)	0.1 N1		Kuji, Iwate.
1341(1340)	0.1 N1		Tōno, Iwate.
1341(1340)	0.1 N1		Tajima, Fukushima.
1341(1340)	0.1 HQ N1		Iwaki, Fukushima.
1341(1340)	0.1 N1		Ueda, Nagano.
1341(1340)	0.1 N1		Ina, Nagano.
1341(1340)	0.1 N1		Kamioka, Gifu.
1341(1340)	0.1 N1		Hagiwara, Gifu.
1341(1340)	0.1 OQ N1		Maizuru, Kyōto.
1341(1340)	0.1 N1		Maeda, Shimane.
1341(1340)	0.1 N1		Hiimi, Okayama.
1341(1340)	0.1 ZV N1		Jōhon, Ehime.
1341(1340)	0.1 N1		Nichinan, Miyazaki.
1341(1340)	0.1 N1		Tokunoshima, Kagoshima.
1341(1340)	0.05 JS N1		Shinjō, Yamagata.
1341(1340)	0.05 N1		Sakuma, Shizuoka.
1350(1350)	20 FR P		RCC(Hiroshima), Hiroshima.
1359(1360)	0.1 N2		Nemuro, Hokkaidō.
1359(1360)	0.1 N2		Esashi, Hokkaidō.
1359(1360)	0.1 UV N2		Ōdate, Akita.
1359(1360)	0.1 N2		Miyako, Iwate.
1359(1360)	0.1 N2		Ōfunato, Iwate.
1359(1360)	0.1 JZ N2		Yonezawa, Yamagata.
1359(1360)	0.1 N2		Tadami, Fukushima.
1359(1360)	0.1 SI N2		Okayasuwa, Nagano.
1359(1360)	0.1 QV N2		Jōetsu, Niigata.
1359(1360)	0.1 CV N2		Toyoashi, Aichi.
1359(1360)	0.1 N2		Nakatsugawa, Gifu.
1359(1360)	0.1 N2		Katsuyama, Fukui.
1359(1360)	0.1 FQ N2		Obama, Fukui.
1359(1360)	0.1 OS N2		Fukuchiyama, Kyōto.
1359(1360)	0.1 BY N2		Shingū, Wakayama.
1359(1360)	0.1 N2		Kurayoshi, Tottori.
1359(1360)	0.1 TT N2		Hamada, Shimane.
1359(1360)	0.1 N2		Tsuwano, Shimane.
1359(1360)	0.1 XU N2		Ikeda, Nagawa.
1359(1360)	0.1 N2		Takachiho, Miyazaki.
1359(1360)	0.05 N2		Miyakonojō, Miyazaki.
1359(1360)	0.05 N2		Nakatombetsu, Hokkaidō.
1359(1360)	0.05 N2		Rumi, Hokkaidō.
1359(1360)	0.05 N2		Wajima, Ichikawa.
1359(1360)	0.05 N2		Shōbara, Hiroshima.
1359(1360)	d 5 HP N1		Takamatsu, Kagawa.
1359(1360)	1 JP N1		Tsuruoka, Yamagata.
1368(1370)	1 LG N1		Tottori, Tottori.
1368(1380)	0.1 N1		Kumano, Mie.
1368(1380)	0.1 ZS N1		Yahatanama, Ehime.
1368(1380)	0.1 N1		Taishō, Kōchi.
1368(970)	0.1 N1		Hirara, Okinawa.
1368(1320)	0.05 N1		Kawamoto, Shimane.
1377(1370)	5 UC N2		Yamaguchi, Yamaguchi.
1377(1510)	1 TZ N2		Hachinohe, Aomori.
1377(1600)	1 AC N2		Nagasaki, Nagasaki.
1386(1390)	10 GC N2		Morioka, Iwate.
1386(1390)	10 JB N2		Kanazawa, Ishikawa.
1386(1600)	5 KC N2		Kagoshima, Kagoshima.
1404(1400)	d 5 BR N2		Okayama, Okayama.
1404(1400)	d 5 QL P		HBC(Kushiro), Hokkaidō.
1404(1400)	d 5 VO P		SBS(Shizuoka), Shizuoka.
1404(1400)	d 5 VR P		SBS(Hamamatsu), Shizuoka.
1404(1400)	0.1 P		SBS(Gotenba), Shizuoka.
1413(1410)	50 IF P		KBC(Fukuoka), Fukuoka.
1422(1420)	d 30 FR P		R Kantō(Iokohama), Kanagawa.
1431(1430)	5 ZF P		GBS(Gifu), Gifu.
1431(1430)	0.1 P		GBS(Tajima), Gifu.
1431(1430)	0.1 P		GBS(Gujōhachiman), Gifu.
1431(1430)	d 5 VF P		WBC(Wakayama), Wakayama.
1431(1430)	0.1 VN P		SBC(Kusumoto), Wakayama.
1431(1430)	1 P		ROK(Ishigaki), Okinawa.
1440(1440)	50 WF P		STV(Sapporo), Hokkaidō.
1440(1440)	0.1 P		STV(Hayoro), Hokkaidō.
1440(1440)	0.1 P		STV(Kushiro), Hokkaidō.
1440(1440)	0.1 P		STV(Muroran), Hokkaidō.
1449(1450)	5 QM P		HBC(Abashiri), Hokkaidō.
1449(1450)	5 KF P		RNC(Takamatsu), Kagawa.
1449(1460)	1 WR P		RFC(Fukushima), Fukushima.
1449(1460)	1 YL P		IBS(Tsuchiura), Ibaraki.
1449(1460)	1 UO P		SBC(Saku), Nagano.
1449(1460)	0.1 P		MRT(Kobayashi), Miyazaki.
1467(1470)	1 VB N2		Hakodate, Hokkaidō.
1467(1370)	1 NB N2		Nagano, Nagano.
1467(1470)	1 ID N2		Ōita, Ōita.
1467(1470)	1 MC N2		Miyazaki, Miyazaki.
1467(1470)	0.5 IY N2		Wakkanai, Hokkaidō.
1467(1370)	0.5 RC N2		Hirosaki, Hokkaidō.
1467(1370)	0.1 JV N2		Nanao, Ishikawa.
1467(1470)	0.1 DD N2		Fukuyama, Hiroshima.
1467(1470)	0.1 N2		Yusuhara, Kōchi.
1467(1470)	0.1 N2		Akune, Kagoshima.
1476(1480)	0.5 SZ N2		Iida, Nagano.
1476(1480)	1 N2		Oozu, Ehime.
1485(1430)	1 GO P		RAB(Hachinohe), Aomori.
1485(1500)	0.1 P		RAB(Fukaura), Aomori.
1485(1480)	1 P		KRY(Hagi), Yamaguchi.
1485(1490)	0.1 P		STV(Kitami), Hokkaidō.
1485(1490)	0.1 WM P		STV(Obihiro), Hokkaidō.
1485(1500)	0.1 TO P		SBS(Asama), Akita.
1485(1500)	0.1 P		IBC(Ōfunato), Iwate.</

1584(1030) 0.1 N1 Tadami, Fukushima.
 1584(1340) 0.1 YP N1 Fujiyoshida, Yamanashi.
 1584(1160) 0.1 SU N1 Okayasuwa, Nagano.
 1584(1160) 0.1 N1 Katsuyama, Fukui.
 1584(1340) 0.1 N1 Susami, Wakayama.
 1584(1340) 0.1 N1 Kazumi, Hyogo.

Abbreviations:

N1:NHK 1st network, N2:NHK 2nd network, P:Private station, M:Military station.
 The format at the "Station name & location".

NHK stations: location, Prefecture name.
 Private stations: Station name(location), Prefecture name.
 Military stations: Same as NHK.

The abbreviation list for the private stations.

ABC Asahi Broadcasting Corporation.	RBC Ryūkyū Broadcasting Co.
ABS Akita Broadcasting System.	RCC Chōgoku Broadcasting Co.
BSN Broadcasting System of Niigata.	RFC Radio Fukushima Co.
BSS Broadcasting System of San'in.	RKB NHK Mainichi Broadcasting Co.
CBC Chōbu-Nippon Broadcasting Co.	RKC Fōchi Broadcasting Co.
CIT Radio Tohigi Co.	RKK Kumamoto Broadcasting Co.
FRC Fukui Broadcasting Co.	RNC Nishi-Nippon Broadcasting Co.
GBS Gifu Broadcasting System.	RNB Nankai Broadcasting Co.
HBC Hokkaidō Broadcasting System.	ROK Radio Okinawa.
IIC Iwate Broadcasting Co.	RSK Sanyō Broadcasting Co.
IBS Ibaraki Broadcasting Co.	SBC Shin'etsu Broadcasting Co.
KRC Kyūshū-Asahi Broadcasting Co.	SBS Shizuoka Broadcasting System.
FBS Fukuoka Broadcasting System.	STV Sapporo TV Broadcasting Co.
KHR Kyōkūtō hoso.	TBC Tōhoku Broadcasting Co.
FMN Kitanihon Broadcasting Co.	TBS Tōkyō Broadcasting System.
KRY Radio Yamaguchi.	YBC Yamagata Broadcasting Co.
MBC Minami-Nihon Broadcasting Co.	YBS Yamaguchi Broadcasting System.
MBS Mainichi Broadcasting System.	WBC Wakayama Broadcasting Co.
MRO Hokuriku Broadcasting Co.	
MRT Miyazaki Radio and TV.	- Radio Kansai Ltd.
NBC Nagasaki Broadcasting Co.	- Nippon Broadcasting System.
KCB Nippon Cultural Broadcasting Co.	- Shikoku Broadcasting Corporation.
OBC Ōsaka Broadcasting Co.	- Tōkai Broadcasting Co.
OBS Ōita Broadcasting Co.	- Radio Kantō.
RAB Aomori Broadcasting Co.	

These abbreviations are used officially to the each station. The last 5 stations, indicate as - , have no official abbreviation.

Pronunciation symbol ˘ shows a long vowel, for example as Hokkaidō.

Acc. to the international agreement, these new channels will be in effect at 0001 GMT on 23rd November, 1978. It's just 0901 JST on 23rd November, 1978.

The Ministry of Postal Services in Japan noticed to do the test broadcast on the new channel at 2000 GMT on 22nd November, it's 0500 JST on 23rd November, till 0601 GMT. During the test broadcast, they can broadcast the regular programmes as usual, and must be announced station name & frequency at least 30 minutes interval. Therefore, Japanese mediumwave stations will be changed to the new channel at 2000 GMT on 22nd November, in fact.

The output power is shown by the new channel plan. So some station's power are different from the present ones.

This list is compiled by the informations from the Ministry of Postal Service, on the base.

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Japanese Association of DXers(JADX), P.O.Box 1766, Tokyo Central, 100-91 JAPAN.

MHz(Percent)	KW	J0	Station name & location.
1584(1380)	0.1	N1	Hino, Tottori.
1584(850)	0.1	N1	Hikimi, Shimane.
1584(850)	0.1	N1	Miyoshi, Hiroshima.
1584(1030)	0.1	N1	Kannonji, Ehime.
1584(1030)	0.1	N1	Kugi, Tokushima.
1584(1030)	0.1	N1	Karatsu, Saga.
1584(1160)	0.1	N1	Shimabara, Nagasaki.
1584(1030)	0.1	N1	Takachiho, Miyazaki.
1584(1030)	0.05	N1	Hiroo, Hokkaidō.
1584(1030)	0.05	N1	Kosaka, Akita.
1584(1160)	0.05	N1	Wajima, Ishikawa.
1584(1030)	0.05	N1	Uwa, Ehime.
1593(1590)	10	QB	H2 Niigata, Niigata.
1593(1590)	10	TB	H2 Matsue, Shimane.
1602(1600)	1	N2	Embetsu, Hokkaidō.
1602(1470)	1	CC	H2 Asahikawa, Hokkaidō.
1602(1600)	1	N2	Fukushima, Fukushima.
1602(1470)	1	KC	H2 Kōfu, Yamanashi.
1602(1470)	1	N2	Onomichi, Hiroshima.
1602(1600)	1	ZY	H2 Uwajima, Ehime.
1602(1600)	1	SB	H2 Kitakyūshū, Fukuoka.
1602(1600)	1	GV	H2 Hitoyoshi, Kumamoto.
1602(1460)	1	H2	Kobeoka, Miyazaki.
1602(1460)	1	H2	Moze, Okinawa.
1602(1600)	0.5	UZ	H2 Hagi, Yamaguchi.
1602(1600)	0.1	H2	Urakawa, Hokkaidō.
1602(1600)	0.1	H2	Yokote, Akita.
1602(1520)	0.1	H2	Iwazumi, Iwate.
1602(1470)	0.1	H2	Lamaishi, Iwate.
1602(1600)	0.1	H2	Tajima, Fukushima.
1602(1600)	0.1	H2	Ueda, Nagano.
1602(1600)	0.1	H2	Misofukushima, Nagano.
1602(1600)	0.1	H2	Hagiwara, Gifu.
1602(1600)	0.1	H2	Kumano, Mie.
1602(1600)	0.1	OZ	H2 Kaizuru, Kyōto.
1602(1470)	0.1	H2	Tanabe, Wakayama.
1602(1600)	0.1	H2	Kōza, Wakayama.
1602(1480)	0.1	H2	Tōjō, Hiroshima.
1602(1600)	0.1	H2	Richinan, Miyazaki.
1602(1370)	0.1	H2	Hirara, Okinawa.
1602(1540)	0.05	H2	Kawanoto, Shimane.

Additional

648(650) 10 M FEN-Naha, Okinawa.

INDIAN DX CLUB INTERNATIONAL "DX DIGEST" via GLENN HAUSER

NEW MW PLAN OF AIR with effect from 23rd November 1978

New fq	Old fq	Location	891	1060	Rampur	Varanasi	Sangli	Agartala	Lucknow-B	Chhatrapur	Darbhanga	Parbhani	Bhuj	Cuttack-B	Calcutta-C	Tezu	Kohima-B	Jullundur-C	Dharwar-B	Bhadraathi	Delhi-C	Hyderabad-B	Gwalior	Bikaner	Rajkot-B	Chandigarh	Calicut-B	Kanpur	Ahmedabad-B	
531	530	Jodhpur -A	900	900	Cuddapah	1240	1250	1270	680	780	1160	1300	1310	1350	1330	1330	*1490	1350	1160	800	1368	1370	1390	1330	1420	1431	1090	1440	1440	
540	540	Aijawal	909	910	Gorakhpur	1242	1251	1269	1278	1287	1296	1305	1314	1314	1332	1332	*1341	1350	1350	1359	1368	1377	1386	1395	1422	1431	1431	1440	1440	
549	560	Ranchi-A	*918	*920	Suratgarh																									
558	550	Bombay-B	927	930	Vishakhapatnam																									
567	570	Dibrugarh	936	940	Tiruchi-A																									
576	580	Alleppey	954	950	Nazibabad																									
585	590	Nagpur-A	963	960	Jalgaon																									
+594	590	Calcutta(Ext sce)	972	970	Cuttack-A																									
603	600	Ajmer	981	980	Raipur																									
612	610	Bangalore-A	990	990	Jammu-A																									
621	620	Patna-A	999	1010	Coimbatore																									
630	630	Trichur	1008	1000	Calcutta-B																									
639	640	Kohima-A	1017	1020	Delhi-B																									
648	650	Indore-A	1026	950	Allahabad-A																									
657	670	Calcutta-A	1035	1030	Gauhati-C																									
			1044	1040	Bombay-A																									
*675	*660	Itanagar	1053	1050	Len																									
675	1050	Bangalore-B	1062	1060	Passighat																									
684	680	Calicut-A	1062	1060	Pondicherry																									
684	680	Portblair-A	+1071	1070	Rajkot(Ext Sce)																									
693	690	Rajkot-A	1089	1540	Jammu-B																									
702	710	Jullundur-B(Urdu)	1089	1080	Udipi																									
711	700	Siliguri	+1089	1080	New stations																									
720	720	Madras-A	1107	1110	Gulbarga																									
729	730	Gauhati-A	1116	1120	Srinagar-A																									
738	740	Hyderabad-A	1125	1170	Udaipur																									
747	760	Lucknow-A	+1134	1130	Calcutta(Ext Sce)																									
756	750	Jagdalpur	1143	1100	Rohtak																									
765	1360	Dharwar-A	1143	1140	Ratnagiri																									
774	770	Simla	1152	1230	Ranchi-B																									
783	1550	Madras-C	1161	660	Trivandrum-A																									
792	790	Pune-A	1170	1220	Hyderabad-C																									
801	820	Rewa	1179	1180	Jabalpur																									
819	810	Delhi-A	1188	1190	Bombay-C																									
828	860	Panaji-A	1197	1220	Jodhpur-B																									
828	880	Silchar	1197	1200	Shillong-A																									
837	840	Vijaywada-A	1197	1200	Timelveli																									
845	850	Ahmedabad-A	1215	1570	Delhi-D																									
*864	*1090	Shillong-B	1224	1200	Srinagar-C																									
873	870	Jullundur-A	1224	1220	Calcutta-D																									
882	920	Imphal																												

KBBX

SERVING
SALT LAKE CITY-OGDEN
FROM CENTERVILLE
1600 Radio

KXEN

50,000 watts
1010 Radio
ST. LOUIS-FESTUS

WHAT IS AN IRCA MEMBER?

by Bruce Portzer

About two years ago, a survey was taken of member's demographic characteristics and opinions. For a variety of excuses, er, reasons, the results of the questionnaire were never printed. But since questions occasionally arise which are related to some of the questions which were asked, I thought it would be interesting to print the results.

The survey was included in an issue of DX Monitor and about 83 of the 400 or so members responded. While some of the answers they gave might now be a little out of date, most of the results should still be quite accurate.

1. What is your age? The average answer was 30.0. The youngest respondent was 14, the oldest was 63. 23% were in their teens, 39% in their twenties, 22% in their 30's, 9% in their 40's, 5% in their 50's, and 2% in their 60's.

2. What is your local time zone? The results were rather interesting. Along with the results I've shown the approximate population distribution for the U.S. and Canada.

	IRCA	U.S./Canada
Eastern	34%	52%
Central	25%	31%
Mountain	6%	4%
Pacific	29%	13%
Other	6%	N/A

While a clear majority of IRCA members live in the eastern half of the U.S., there is nonetheless a disproportionately high percentage living in the western part of North America. The best reason I can think of for this is that IRCA's headquarters and leaders are traditionally located on the west coast and DXers apparently prefer to join the DX club closest to them. (In case anyone is wondering, the eastern-based NRC has a membership distribution similar to that shown for the U.S. and Canada).

3. Your occupation? DXers have a wide assortment of occupations and rather than listing all of them, I broke them down into categories:

Student(High School/College)	29%
Blue Collar/Craftsmen/Repairmen	18%
Technical/Scientific/Engineering	16%
White Collar(Clerical/Office)	13%
Broadcasting/Journalism	9%
Education(Teacher/Professor)	5%
Retired	5%
Military	4%
Housewife	1%

Occupations which could be construed as being somehow "DX related" seemed overrepresented. These included broadcasters, electronics technicians & engineers, postal workers, and telephone company employees. Underrepresented jobs seemed to fall in the "people oriented" category, such as sales, medicine, social work, etc.

4. Years a DXer? The average was 11.9 years, but 50% of the respondents started after 1968. 2% started in the 1920's, 4% in the 1930's, 2% in the 1940's, 12% in the 1950's, 39% in the 1960's, and 41% in the 1970's.

5. Years an IRCA members? The average was 5 years.

6. Receivers used? The following information is probably a bit obsolete now due to the introduction of a couple of very popular receivers, such as the Yaesu FRG-7, during the last 2 years. However, the most popular receivers in the survey were:

Hammarlund HQ-180, 180A, 180C	12
Realistic TRF	10
Realistic DX150, 150A, 150B	7
Drake SPR-4	7
Realistic DX-160	6
Various makes, R-390, R-390A	4
Kenwood OR-666; Hammarlund HQ-150, HQ-129, & SP-60C; Drake SW-4A & R4C	2 each
31 other receivers	1 each

In all likelihood, if the survey were taken today, the FRG-7 would have probably placed in the top three. Among the "31 other receivers" was virtually every size and shape of radio imaginable, including small portables, ancient console radios, and communications receivers.

7. Antennas used? Arranged by category, they were:
 Non-directional wire(longwire, inverted "V" inverted "L", etc.) 32
 Air-core loops (Sanserino loop, wedge, NRC, Spiral, IRCA, Altazimuth) 28
 Ferrite loops ("builtin loopstick", Space Magnet, Dymek DA-3, etc.) 29
 Beverage antenna 2

Note that the number of antennas and receivers listed is more than 83 since some members listed more than one receiver or antenna.

8. Totals? Rounded off to the nearest whole number, the averages were:

States heard	37
Provinces heard	6
Countries heard	24

A couple of foreign members with about 100 countries each responded, so the average for that category was slightly higher than if only North American DXers had responded.

9. Do you send for veries?

80% Yes(including some who said "sometimes", "only for new states", etc)
16% No
4% Used to but don't anymore

10. Other bands DXed?

Shortwave/SWBC	60%
FM	38%
TV	26%
None	18%
Longwave/VLF	13%
Amateur	8%
Shortwave Utility	7%
VHF/UHF Utility (Aircraft, PSB)	5%
Citizen Band	1%

11. Type of DXing done?

Almost all domestic	28%
Mostly domestic	40%
About equal foreign & domestic	19%
Mostly foreign	6%
Almost all foreign	7%

12. DX Monitor format preference

Prefer present format	61%
Prefer magazine/booklet format	22%
Doesn't matter	17%

The results are consistent with the recent questionnaire on the dues structure. A higher percentage preferred the booklet format in this poll than in the dues questionnaire, probably because the latter showed there would be a higher dues rate for the booklet format.

13. Opinions of various columns?

Members were asked to rate the columns and features which appear in DXM on the following scale:
 A = Very important, won't renew without it
 B = Important, but I'll renew without it
 C = Interesting but I can take it or leave it
 D = Don't like it but I can live with it
 E = Get rid of it!

I took the ratings the respondents gave to each item and assigned points: A=4, B=3, C=2, D=1, E=0, and computed an average for each item, in the same way that high school and college grade point averages are computed. The results were:

1. DX Roundup	3.54
2. DX Forum	3.33(tie)
DX Worldwide	
4. Flash Tips	3.22
5. Broadcasting Information	3.14
6. Frequency Check List	3.13
7. CPC Data	3.11
8. DX Worldwide II	2.77(tie)
Spotlight On....	
10. Conditions of Frequencies	2.72
11. Technical articles	2.71
12. Construction Projects	2.63
13. Articles on stations	2.60
14. Articles on DXers	2.59
15. DX Records	2.52(tie)
President's Report	
17. Special Lists (Networks etc)	2.44
18. Contests	2.38(tie)
Geomagnetic Indices	
20. Convention Reports	2.25(tie)
Ad-visor	
22. Old Time Radio articles	2.23
23. Newspaper Clippings	2.13
24. Precision Freq Measurements	1.79

The columns receiving the greatest number of A's and B's were DXR(72), DXF(70), Flash Tips(70), DXWW(66), & Broadcasting Info(65). The features with the greatest numbers of D's and E's were PFM's(28), Old Time Radio(15), Special Lists(12), & Nxpaper clippings(10).

Michael S. Hardester

Approximately 1677 kilometers/1042 miles to the north-east of Sydney, Australia, is the island of Norfolk. Norfolk Island covers an area of 36.3 square kilometers/14 square miles and a population of 1600 in 1976. Administered by the Minister for Administrative Services through a resident Administrator, the Australian Territory has an interesting history.

In 1788, Norfolk Island was established as a convict settlement and remained as such until 1814 when there was a brief period of little occupation of the island until 1825 when convicts were again brought to the island. In 1856, the last convicts were removed and as a result of an offer made by Queen Victoria to the descendants of the mutineers of the British ship "Bounty," 194 descendants chose to be taken from Pitcairn Island to their new home on Norfolk Island. In 1913, Norfolk Island was accepted as a territory under Australia's authority.

With the assistance of Kathy LeCren, Broadcasting Officer of Station VL2NI, the following station information has been made available and my thanks to her. Early in 1952, a daily ten minute broadcast of information on ship and aircraft arrivals and departures and other matters of a local urgent interest was commenced. These transmissions were carried out with the cooperation of the Department of Civil Aviation and the consent of the Australian Broadcasting Control Board: the first broadcasts were made by the then local Officer-in-Charge of the Department of Civil Aviation from his office at the airport. These transmissions continued for approximately five months when the Officer-in-Charge advised the Administration that he would no longer be able to continue with the transmissions. Arrangements were then made for the Administration manual switchboard operator to take over the broadcasts and the necessary equipment was installed in the switchboard room which was located at the airport. In 1960, the manual switchboard was transferred from the airport to the Administration Offices Building at Kingston when the telephone system was being re-organized; the transfer was carried out with the assistance, again, of D.C.A. technicians who also installed a transmitter with an output of from 10 to 12 watts which they made up from second-hand material. The aeriels and microphone were loaned by D.C.A.

Broadcasts were made each weekday commencing at 10:00AM in relation to shipping and aircraft movements and matters of an urgent and public nature. The Officer-in-Charge of D.C.A. made broadcasts regarding ships and aircraft from his airport office on Saturdays, Sundays and public holidays. The frequency used for broadcasts was 1500 kHz. The first music to be broadcast was by the Officer-in-Charge during the first three months after the service commenced; he did this while waiting for the required information or until the time fixed for the normal broadcasts and the music was picked up by a microphone from a nearby record player.

In 1962, the Postmaster-General's Department approved of proposals to extend the local broadcasting service and for the frequency to be changed from 1500 kHz. The Norfolk Island Administration made provision for \$500 for the establishment of the extended service.

In 1967, the broadcasting studio was shifted from the Administration Office Block building to the then Library/Museum building. In 1970, the building was completely destroyed by fire along with all of the broadcasting equipment. With the fire, all broadcasts ceased until a studio was installed with voluntary help and equipment donated in a building located on New Cascade Road.

Since the move, the studio has been moved from the transmitter room to larger and larger rooms until at present there is an audition studio as well as the main studio. The present studio includes a Cetec panel with 20 channels, 3 turntables, 2 ferrograph tape recorders, 2 Nakamichi cassette recorders, 4 Yaesu-Mussen FRG-7 receivers, and 2 microphones.

The staff has increased from approximately six to thirteen with seven young people also doing programmes under a Youth Council project. Most work is voluntary, however from 7:00AM to 1:30PM Monday thru Saturday, staff are paid an hourly rate by the Administration. Broadcast hours have increased from the previous four to approximately 72 hours weekly: 1930 - 1100 GMT on Monday thru Saturday, and 0100 to 1130 GMT on Sunday.

The current call sign is VL2NI operating on 1570 kHz (there is no indication if there will be a frequency change on 23 November in line with the 9 kHz channel separation plan scheduled for that date). The transmitter is a Common-

wealth Electronics feeding 50 watts into a one-eighth wavelength vertical dipole. The programming contains no commercial content whatsoever, local notices of community interest, varied music and entertainment from local sources. News and other programming is courtesy of the Australian Broadcasting Commission, BBC, Deutsche Welle, Radio Nederland et al.

VL2NI continues to be run by the Administrative Officer of the Norfolk Island Administration who has jurisdiction over a Broadcasting Officer who manages the staff, controls programming, cataloguing, ordering, buying, etc; in fact, he/she does everything as well as announcing. Equipment maintenance is carried out by the officer-in-charge of the Ionospheric Station and is paid for by the Administration.

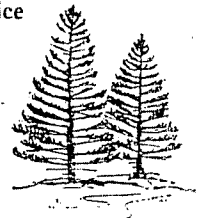
Future plans include the implementation of a FM service within twelve months. There are no plans for an increase in the hours of operation, though an increase in the number of staff is possible. No change in call sign is anticipated, though there "may be a change (slight) in frequency."

Reception reports are mainly from Australia and New Zealand, some from overseas: particularly Italy. QSL cards and pennants are sent as confirmation of reception, and IRCs (International Reply Coupons) are quite acceptable for return postage.

Again my thanks to Mrs. LeCran for the most complete information she provided for this article.

Norfolk Island Broadcasting Service

VL2NI



1570 Khz 50 watts

Thank you for your reception report dated
which we are pleased to verify.

BRQ IDCASTING OFFICER

BOOK REVIEW: "ACROSS THE DIAL '78," FROM BROADCASTING PUBLICATIONS INC.

Reviewed by IRCA Special Features Editor Bill Hardy

The publishers of Broadcasting magazine and Broadcasting Yearbook (BYB) have issued their first edition of a new publication called "Across the Dial," listing all AM & FM radio stations in the U.S. and Canada by state (or province) and city. The booklet also includes a section called "Around the Channels," listing all TV stations in the U.S. and Canada.

The booklet costs \$3.00 (\$2.25 plus 75¢ postage and handling, sent third-class mail) and is available from the same address as the BYB and the magazine: Broadcasting, 1735 DeSales St. N.W., Washington, DC, 20036. It is a 140-page, glove-compartment-size booklet (4" x 8-3/4"), attractively printed on sturdy paper.

At first glance, it looks like "Across the Dial '78" would be a good low-cost way to supplement the NRC Log. At \$3.00, it gives you something the NRC Log does not have - a listing by state and by city of the stations in each community. Each listing shows call letters, "AM" or "FM," frequency, and format. This is the only compact log (BYB itself is quite bulky) that consolidates AM and FM into the same city-by-city listing. The Vane Jones and White's Log each have separate AM and FM geographical sections. (The White's Log lists its AM section alphabetically by city, rather than state, which is terrible!) This consolidated listing is fairly handy because it shows all the AM & FM stations in a community, and their formats, in the same place.

There is NO WAY that "Across the Dial" could be the only logbook for a serious DXer to use. "ACROSS THE DIAL '78" DOES NOT EVEN INDICATE WHICH STATIONS ARE DAYTIME-ONLY!!! Also, power levels are not shown at all. Even the White's Log shows AM daytime power levels, as well as noting which AM stations drop power at night and which AM stations are daytimers, in its AM frequency section (White's does not have an FM frequency section). Vane Jones, of course, shows day power and notes daytimers in its geographic section, plus day and night powers in its frequency section. "Across the Dial '78" has only a geographic section. There is no frequency section, and no call-letter index. Both of those are found in the BYB, at \$32.50 this year, and the publishers evidently felt that the geographic one-line listings were all anybody needed if they were tuning around in a strange town.

The information in "Across the Dial '78" is based on BYB, meaning that most of the information comes from questionnaires to the stations themselves. Thus, the accuracy is limited by the ability of each station to tell the truth about its format. Some stations don't want to be known as "top 40," because of the implication of an audience of teenagers, so they describe themselves instead as "contemporary" or "young adult," which could mean anything. Luckily, the catch-all phrase "contemporary," which in recent editions of BYB has been used to describe anything from MOR to acid-rock, is absent from "Across the Dial '78." But that does leave a big gap between the categories "top 40" and "MOR." In "Across the Dial," "MOR" means "Middle of the road, adult contemporary." So, you have WABC-770 listed as an "MOR" station! Generally, though, the format descriptions are reasonably close to reality. The problem is that some of the format descriptions are about a year old, so some format changes are not yet included. In some cases, somebody jumped the gun - KTNQ-1020 Los Angeles is listed as "C&W"!

To confuse matters further, in some cases suburban stations are listed both under the name of the suburb and the name of the major city. For instance, WPGC-1580 is listed both under Morningside, MD, and Washington, DC.

Some recent call-letter changes have been incorporated. Under Dallas, TX, KAAM-1310 has been listed and WRR-1310 has been deleted. But in smaller towns, changes have been ignored. KIL0-1460 is still listed for Kirkland, WA, even though the call change to KGAA-1460 took place in Oct. 1977. And there are others.

The TV section is like the radio section, except that network affiliations are listed instead of formats. Educational stations are starred (*) in both the radio and TV sections.

In summary, it's a handy little booklet that might be good for vacation trips or for finding out what radio and TV stations are located in any given community. But it is lacking much vital information that DXers need, and as such should be used only as an aid to other AM station logs, and not as a substitute for them.

--Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520

MORE UNFINISHED BUSINESS. Items from the 9/4, 9/11, and 9/25/78 issues of Broadcasting (used by permission):
KRLA-1110. See page 32, 9/23/78 DXM. As of late September, Voice in Pasadena had agreed to become a 25% participant in a new company comprised of five of the seven remaining applicants for the KRLA facilities. Voice in Pasadena had held up a previous merger attempt in August by rejecting it, but now has agreed to join in.

WFAN (ex-WOOK)-1340. See 6/10/78 DXM, p. 521. Two petitions to deny renewal of the license of WOOK(FM) Washington, DC, were filed by the 9/1/78 deadline. One was filed by Hispanic Broadcasting Corp., which also applied for a new station on WOOK's frequency. The other was filed by the Metropolitan Washington Coalition for Latino Radio. Both are protesting the actions of United Broadcasting Company, owned by Richard Eaton, who in mid-1977 switched formats of his AM and FM outlets in Washington. All-soul WOOK-1340 and all-Spanish WFAN(FM) swapped call letters and formats. Since WOOK(AM) was on the verge of losing its license, and WFAN(FM) was not, Eaton was able to keep the all-soul WOOK format going on FM after the AM license was yanked on 4/22/78. Both petitions to deny WOOK(FM)'s renewal claim that this action was improper. Besides Hispanic Broadcasting Corp., another group has filed for the FM facility: District Broadcasting Company, owned by four black professionals, a lawyer, a doctor, and two dentists. Meantime, the new licensee of the deleted 1340 facility is now on the air, as WYCB-1340 Washington.

WCFL-1000 sale to Mutual Network. See 6/10/78 DXM, p. 521. The Texas State Network (TSN) has petitioned the FCC to deny the Mutual Broadcasting System's proposed purchase of WCFL Chicago, IL. TSN lost out in the bidding to Mutual for radio rights to the Dallas Cowboys NFL football games starting this year. TSN is also trying to fight Mutual's efforts to establish satellite transmission for Mutual programming. TSN says it is concerned about what TSN calls Mutual's plans to establish a "subnetwork" in Texas and adjoining states for the Cowboys games. In September, TSN petitioned the FCC regarding the WCFL sale, saying the questions raised in the satellite proceeding dealing with what TSN calls Mutual's "anticompetitive practices in Texas," and also a pending Federal Trade Commission proceeding against the Amway Corporation, which owns Mutual, must be resolved before the FCC can decide whether Mutual purchase of WCFL would be in the public interest.

XETRA-690. See 8/5/78 DXM, p. 569. Now it seems that Noble Multimedia Communications of San Diego, the advertising agency for XETRA-690 Tijuana, Mexico, and XETRA-FM, has filed an anti-trust suit against 13 licensees of 17 San-Diego-area AM, FM, & TV stations. The San Diego stations, under the banner of a Committee for Equality in Radio Frequencies (CERF), plan to block XETRA-FM's plans to increase power from 3kw to 100kw and move to a transmitter site closer to San Diego and change format (at present XETRA-AM-FM simulcast). Noble Multimedia Communications claims that the 13 defendants have conspired to prevent Noble from doing business in the San Diego market and engaged in other improper practices. The suit was filed in U.S. District Court for the Southern District of California.

KTNQ-1020 (and XEGM-950). See 9/23/78 DXM, p. 35 (for KTNQ), and 9/23/78 DXM, p. 32, and 8/5/78 DXM, p. 569 (for XEGM). Storer Broadcasting announced in late September that it is selling its 50kw KTNQ-1020, Los Angeles, CA, to K-Love Radio Broadcasting Inc., if the FCC approves. K-Love owns Spanish-language KLVE(FM) Los Angeles, and it also happens that the Liberman family, which owns K-Love, is the family appealing the FCC decision denying XEGM-950 Tijuana, Mexico, permission to broadcast live wireline programming from XEGM's Los Angeles studios. If the FCC approves the sale, KTNQ will change to an all-Spanish format! (The station would likely also change call letters.) The Liberman operations regarding XEGM could possibly be a factor when the matter comes before the FCC. Announced sale price: \$8 million. (This late item from 10/2/78 Broadcasting, used by permission.) I've also received late word from Matthew Shugart that XEGM is not carrying the L.A. Dodgers post-season playoffs in Spanish (XEGM has been the Dodgers' SS outlet for years). Instead, the playoffs are on KLVE(FM). Interesting. -BH.

WJR

THE GOODWILL STATION

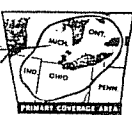
A Division of Capital Cities Broadcasting Corporation

50,000 Watts - 760 K.C. - Clear Channel

Transmitter located
at Riverview, Mich.
Lat. 42° 10' 07" N
Long. 83° 13' 00" W
24 hr. operation
Ant. 195° Vertical
700 ft. high, nondirectional.

Confirming your report of reception
on 11-29-70 at 12:25 PM EST

Your report is appreciated and welcome.



"73"

IRCA SPORTS NETWORKS UPDATER
Editor: Bill Hardy, 2301 Pacific Ave., Aberdeen,
WA, 98520 Deadlines: Wednesdays 12 days before
publication dates

580 WDBO-FL	1340 WSEB-FL	1450 WWJB-FL
930 WJAX-FL	1400 WPAS-FL	WSPB-FL
970 WFLA-FL	1420 WBRD-FL*	WSTU-FL
1090 WMFL-FL*	WDBF-FL	WTAL-FL
1240 WLCO-FL	1440 WAYK-FL	1530 WENG-FL* (plus 6 FM's)

College football. I have some scattered college football info, certainly not enough for a complete list in DXM. So I'll simply offer it to anyone sending an SASE (any size). I have one list going for the Western/Mountain U.S., another list for the Central/Eastern U.S., and a third for national coverage (like Notre Dame). You may have a copy of any or all.

I do need a lot more input for this list. Please check your local newspaper's sports section or radio-TV section for word on play-by-play sports. (No high-school or 2-year-college info, please; just 4-year colleges on up to the pros.) My local library offers only Seattle-Portland-Spokane papers, so those of you with access to a big library with lots of Saturday newspapers could really help out.

MBS and CBS NFL games. I also have a list going of which stations are clearing Mutual and CBS NFL games; would appreciate input to this too. Will send a free copy of the list to anyone contributing to it.

1978 hockey season. I'm pleased that Tim Cronin, who did a fine job on last year's pro hockey listings, has offered to compile the NHL/WHA network data for 1978-79. Thanks, Tim, for taking a sizeable load off my shoulders! Anyone having NHL or WHA info for the new year, please send to:

Tim Cronin
7500 West 111th St.
Worth, IL, 60482

The sooner, the better. For the time being, please send minor-league hockey info (anything other than NHL/WHA) to either Tim or myself. Which brings up the next topic:

Helper needed. An IRCA member has suggested that we compile sports-coverage lists for all sports, major and minor, and make such lists available to IRCA members as reprints if there is not space for them in DXM. Good idea. But, there are so many teams that it would be impossible for me to take on any further effort that way. What I need is a volunteer to handle all minor-league sports info. This would include minor-league baseball, minor-league and junior hockey, and the like; plus, maybe even international sports info from some of the overseas DX clubs. This individual would receive this info from all sources and send out copies at cost to anyone interested. If you have the time and the desire to help out, please write to me (Bill Hardy). I will need to be ultimately responsible to the club officers and publishing crew for all this. I will accept contributions of minor-league info until such time as a suitable assistant is found. If there is any particular info you'd like (such as help with an unID), please write to me, and I'll see if I can find out.

NBA basketball flagships. Somehow when I listed the three flagship changes on p. 33, 9/23/78 DXM, I forgot about the one I should have been most aware of: The Seattle SuperSonics move to KIRO-710 this year (ex KOWO-1000). Since then, I've picked up one more flagship change thanks to Steve Apel: the New Jersey Nets move to WVNJ-620 (Newark, NJ) this year; last year WMCA-570 (NYC) had them.

WGST-920 Atlanta, GA, writes that the Atlanta Hawks games will return to WSB-750 this year, after one season on WGST.

I also understand that the Buffalo NBA franchise is moving to San Diego, CA. Any info on a flagship for them down there?

Still no confirmation on flagships in Indiana or Los Angeles, so any info there would be appreciated.

NFL football updater. Lynn Burke says we should add WEXM-1520, Exmore, VA, to our Washington Redskins net. Also, he believes WVEC-1490 has dropped the 'Skins since changing calls to WWDE.

The announcers for the Chicago Bears are Joe McConnell (pbp), Brad Palmer (color), Virg Carter, and Ray Geraci. Thanks to Tim Cronin for that.

The play-by-play man for the Oakland Raiders is Bill King.

Thanks to NRC'er Jeff Lockwood for the Tampa Bay Buccaneers network lineup on the "Brooks-Gallogli Sports Network":

Also, many thanks to the Mutual Network for finally coming through with a listing of the 146 AM stations (plus 55 FM's and 15 simulcastors) carrying the Mutual Southwest Radio Network's regional coverage of the Dallas Cowboys. Because of its length, that listing will appear elsewhere, possibly to be held over if there isn't room in this issue of DXM.

CBS and the World Series. On 10/2/78, Baseball Commissioner Bowie Kuhn and CBS Radio Division President Sam Cook Digges jointly announced that the CBS Radio Network and Major League Baseball have extended their contract for the All-Star Game, League Championships, and World Series, thru 1981. Baseball and CBS Radio had been working on a 4-year agreement which was scheduled to expire after the 1979 World Series. Both parties have now agreed on a two-year extension thru the 1981 World Series. (Thanks to CBS Radio for this info.)

Delayed publication. Sports Network Information is just one aspect of a well-rounded DX bulletin like DX Monitor. First and foremost are the DX sections such as the Roundups and DX Worldwide. Other items such as Broadcasting Information, Flash Tips, and the Forums will frequently be of more value to IRCAs than is this column, and therefore this column and the various lists will be held over for a week or two. Of course, in the summer months, this could delay publication by four to eight weeks! If you are an avid sports fan and don't want to wait for DXM publication, all you have to do is send me an SASE (any size) at the beginning of the season, and specify which sport(s) you are interested in. It costs me 10¢ a page to copy the lists, so it would help if you could send 50¢ in coin or mint stamps for football/baseball lists, 20¢ for baseball/hockey lists (other rates on request), along with your SASE. However, I'll waive this for anyone sending in at least one regional network listing with their request (bribe, bribe! hi). I suspect that the NBA and NHL/WHA lists won't appear till sometime in November, so if you don't want to wait till then you might take me up on this offer.

Sports network lists might be included in the proposed "IRCA Almanac" (see the front page of the 10/7/78 DXM), or else might be handled separately because of the timing. Updaters would continue to appear in DXM, of course. I'd appreciate any opinions on this (plus any other aspect of "IRCA Almanac," of course). Thanks for your help!

--Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520

KNOWS
northwestern college radio

A DEPARTMENT OF NORTHWESTERN COLLEGE, ROSEVILLE, MINNESOTA
WATERLOO, IOWA 50702



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SASE REQ. FOR REFLY OF EACH MONTH

PLEASE NOTE!

Next issue will have a new mailing address on the heading. After that date, please send all Advisor Ads to my post office box (to be listed next issue). Deadline for that issue will be: 25 OCT 78. Any personal correspondence can be sent to either my home address or the post office box address. Thankx!

SPECIAL!

Ye' Editor will soon be working on a special project. I would like to make a list containing the mailing addresses of all Mexican Stations along the U.S. Border that do most of their broadcasting for the United States. Anyone who knows the address of any border station (U.S./Mexican Border) please send me the following details:

FREQ: CALL-LETTERS: SLOGAN (IF ANY): ADDRESS: (U.S.)

ADDRESS: (MEX.) PHONE (IF KNOWN): POWER:

The list will be typed sometime in 1979 and will be made available to all BCB DX Clubs interested in publishing the list. Any charge for copies of the list will be decided on by the individual clubs according to their respective policy.

This list may be expanded to include all Mexican Stations if sufficient interest is generated. So, if you'd like a list of all Mexican Stations send me the details you have.

ALL INFORMATION SHOULD BE PLAINLY MARKED FOR MEXICAN STATION LIST!

October 28, 1978...Page 84

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.

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MEMBERSHIP DUES: \$16.50 First Class to Canada and the U.S.A., Air Mail to Mexico. \$20.00 Air Mail to the rest of the world via Canada. Air Mail Direct from San Francisco: \$25.00 to Central America, Caribbean, Columbia and Venezeuela; \$30.00 to the rest of the world. Sample copies, 50c 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 Kasky; Publisher-Rich Segalas; Staff-Mike Endza, Nick Hall-Patch, Eloise Kasky, 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.

DX MONITOR is printed by Sir Speedy Instant Printing, San Francisco, California.

Wanted

Broadcasting Yearbook 1978, or failing that, 1977 or even 1976. State asking price.
DR. RICHARD E. WOOD, BOYD HALL, PLYMOUTH STATE COLLEGE, PLYMOUTH NH 03264; PHONE: (603) 968-7802 NO COLLECT CALLS.

TRADE

Airchecks of Rock & Roll stations, AM or FM. Send list of AM and FM locals with formats.

PLUS:
Survey charts. Anything! Have lots of most formats to trade, especially T/40.

PLUS:
A ton of CKY-580's "K.Y. Fun Spot" stickers. Still have one CHUM car-sign, and now a half dozen of 13CFRW's "WIN STICKER". Latter two are window stickers. Will trade for any sticker.

DOUGLAS MISKE, 128 MOSSGROVE TRAIL, TORONTO ON CANADA M2L 2W5.

SALE

Maps of Canada @ 4¢ ea. (U.S.A. Maps previous advertised did not come out good.) The new maps are on heavier paper.

DOUGLAS MISKE, 128 MOSSGROVE TRAIL, ONTARIO ON CANADA M2L 2W5.

FRG-7 with Collins 2.9kHz mechanical filter, fine tuning and Gilfer CAR-7 digital frequency counter. An excellent combination and it's in excellent condition. Separately it costs over \$550; for sale @ \$410 (shipping included)

(A STEAL, Ye' Editor!)
TOM ADAMS, P.O. BOX 1165, MIDLAND MI 48640.



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