



DX MONITOR

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MAY 4, 1974 VOLUME 11, NUMBER 30

BROADCASTING INFORMATION (as compiled by Mike Worst)

From the April 8 and 15, 1974 issues, Bruce Portzer, and CRTC notifications to the FCC via Glenn Hauser. (Tnx Glenn)

new 620	10-D	5-N	Sudbury, Ont.	CP Eng.	DA-1
CFCL	620	10-D	5-N	Timmins, Ont.	to 850, 10-U DA-N
new 720	5-U		Agana, Guam	requests	KATB
CHIR	730	1/2-N	Leamington, Ont.	to 1/2-N	
KFNW	900	1-D	Fargo, N.D.	to 1170, 1-D	
CJJC	920	1-U	Woodstock, N.B.	to 10-D, 1-N	DA-2
WFLA	970	5-U	Tampa, Fla.	DA-2 from	DA-N
KTAP	970	1-D	Austin, Tex.	requests	WIXL
new 1070	1-D		Tallahassee, Fla.	"	WANM
new 1080	10-U		Anchorage, Alaska	CP	
new 1190	10-D		Mississauga, Ont.	granted	CJMR
new 1240	1-D	1/2-N	Mackenzie, B.C.	CP	
new 1360	10-D	5-N	Ste. Marie de Beauce, Que.	CP Fre.	DA2
new 1380	1/2-U		Lebanon, Va.	requests	WLRV
new 1400	1-D	1/2-N	Pagosa Springs, Colo.	"	KPAG
KGLX	1440	1-U	The Dalles, Ore.	"	KODL
KDNC	1440	5-D	Spokane, Wash.	granted	KXXR
KPHX	1480	1/2-D	Phoenix, Ariz.	to 1-D	
KPIA	1510	1/2-D	Ironton, Mo.	to 1480, 5-U	
WNYZ	1520	1/2-D	Ypsilanti, Mich.	granted	WYFC
WQLW	1530	1-D	Flora, Ill.	CP expired, call deleted	
new 1570	5-U		Taber, Alta.	CP Eng.	DA-N
new 1600	1-U		Bedford, Pa.	CP	

all powers in kw.

MAILING LABELS

With new new addressing system we're using, we can use the same label for a number of years (as long as the subscriber's address and expiration dates don't change). This saves us having to generate a new label each year. But it does lead to one minor problem--you trying to figure out when your subscription expires. You'll notice that your mailing label includes only one number--this is the number of the issue when your subscription expires. Since the year isn't indicated, on occasion it might happen that you have renewed and yet your bulletin gets stamped with a warning of upcoming expiration. This happens because we stamp all bulletins with certain expiration dates regardless of whether you have re-subscribed recently or not. If you really are worried about it, drop us a line and we'll check to see that your renewal has been received.

CANADIAN POSTAL STRIKE

The U.S. Postal Service, at the request of the Canadian government, returned all mail sent to Canada during the recent postal strike. Now that the strike is over, the April 20 issue of DX Monitor will be remailed to our Canadian members.

CoF UPDATER

John Clements, 11425 Albers #5, North Hollywood, CA, 91601

Freq	Call	Off	On
560	CKNL	NSP	
580	CKVA	0900	0505 D 0305 MM
590	CFNL	NSP	
630	CHED	NSP	
740	CBX	0830	0405 MM
790	CFCW	NSP	
850	CKRD	0305	0900 MM
910	CJDV	NSP	
930	CJCA	NSP	
960	CFAC	NSP	
1080	CKSA	0305	0800 MM
1260	CFRN	0405	0830 MM
1320	CHQM	NSP	
1340	CKBR	NSP	
1370	CHFQ	NSP	
1410	CFUN	NSP	
1470	CJVB	NSP	
1570	CHUB	NSP	

Times are EDT. Thanks this time to John Oldfield. Next list in a month if you contribute.

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CHANGE OF ADDRESS

President Rick Evans has moved. His new address and phone number are:

Richard C. Evans
RR#2, Box 375-A
New Buffalo, MI 49117

616-469-3866

FLASH TIP

KSAY-1010, San Francisco, has been bought by the owners of KIOI-FM and is now KIQI, almost always parallel to KIOI. The station IDs as KIQI only at the times required by the FCC. Mostly it calls itself "K-one-oh-one". KIOI-FM is on 101.3 mhz; the calls were chosen to correspond as closely as possible to the frequency; the same is true of the AM frequency of 1010. The format is sedate rock, as opposed to the usual AM-style "frantic" rock, according to Art Peterson.

GEOMAGNETIC INDICES

April 10-16	20	18	2	5	5	2	2
April 17-23	4	26	33	27	24	22	20

Radio conditions should improve after May 1 and become disturbed again after about May 15.

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eastern dx roundup

Editor: Mike Mitock, 975 Osborn Ave., Lorain, OH 44052

DEADLINES: 5/24; 6/25; 7/23; 8/27

- 550 WJMG MI PANTUCKEET; 4/8, many IDs w/rr format, 0105--159. Much slop from WFIL.(JH)
600 WVAR WV RICHWOOD; Noted 4/17 0700 w/local nx, and country mx. Poor-good signal.
630 WLAP KY LEXINGTON; was logged w/CBS nx on 4/10 from 0203-06. S/off anncts and SSB to 0208 s/off. Change sked in Log. (ELK)
730 WPIT PA PITTSBURGH; Hrd at 1940 on 4/17 w/PSAs and country mx. Poor-fair signal, s/off at 2000 announced 0600 s/on. s/off w/SSB. New. (JAD)
850 WWJC* MN DULUTH; was logged vry strong on 3/25 w/ET/W/TT. This between 0240-0305. Only LA QRM. Verified. (ELK)
920 WJAR RI PROVIDENCE; Was on top 4/8 at 0109-11 w/NBC pgm "The Loyal Opposition" w/ Edwin Newman. (ELK)
940 *WIDC* MI ST. IGNACE; 4/11, 0002-0015, cycle TTs, w/CBM giving it problems. (JH)
1070 WINA VA CHARLOTTESVILLE; was noted w/CBS nx at 0400-02 on 3/25. KNX and unID QRM. First time hrd here. Verified. (ELK)
1080**WJOE** FL PORT ST. JOE; Was in surprisingly well on DX TEST 3/25. Logged thru WTIC 0337-50. TT and marches. LA QRM also noted. (ELK)
1090 *KAAY* AR LITTLE ROCK; ET-OC w/ID 0230 4/8. (JMP)
1120 WWOL NY BUFFALO; 4/9 Caught short ID at 1946, but WNEW came in like usual. (JH)
1170 **WVLE* NY CORNWALL; Was hrd w/ET-TT-mx 4/10 between 0106-16 u/WWVA. From 0114-16 played ID jingle repeatedly--great ideal Vry nice v/l rcvd says they were testing audio improvements, and that FC is 4th Sat. 0000-01000 (sic). (ELK)
1190 WANN MD ANNAPOLIS; 4/4, 1730 nx, ID as "Marylands Capitol Station". Ad for circus. (JC)
KRDS AZ TOLLESON; Was noted w/an ID, time, and nx headlines 0429-30 on 3/25. KAYQ QRM and unID TTer. Fair at best. (ELK)
1230 WCRO PA JOHNSTOWN; Fair w/cw 1952 4/1, atop freq for first time--only other time hrd was during DX TEST. (JMP)
1240 *WSFC* KY SOMERSET; 4/9 0005-0019 ET-TT. (JH)
WCOU ME LEWISTON; Atop again MM 4/8 most of morn w/cw---this should be getting out to other ECers!! (JMP)
1250 WFAG NC FARMVILLE; Killing freq w/excellent sigs 3/25 s/off at 1915, xint copy for rpt. (JMP)
1260 WNOO TN CHATTANOOGA; 4/8 at 0600 noted SSB then s/on, poor-fair sig. New. (JAD)
WCHV VA CHARLOTTESVILLE; 4/11, caught ID at 0100, then back into mess. (JH)
WNSL MS LAUREL; 4/12 TT 0239-0245. TT might have been dial tone. (JH)
1270 WLIK TN NEWPORT; 4/12, caught part of s/off u/ WUOK s/off, 0105. (JH)
1280 WSUX DE SEAFORD; Noted 4/8 at 0600 w/SSB and s/on, poor signal. New. State number 3544 (JAD)
1320 WKAP PA ALLENTOWN; 4/4, 1845, ad for garage door opener, Hooked on a feeling, QRM de WJAS, WARA, WOIC. (JC)
WOIC SC COLUMBIA; 4/4, 1848 wx hrd in WKAP fade. 31st statel (JC)
1370 WRGS TN ROGERSVILLE; Noted on 4/17 at 0615 w/ poor-fair signals, nx. New. (JAD)
1540 WRCP PA PHILADELPHIA; 4/5, 1842 w/s/off ancts, invited to FM 104.5. No SSB. (JC)
1550 WEXT CT WEST HARTFORD; 4/12, misplaced time in my log...1930? s/off, no SSB hrd. (JH)
1560 WDXR KY PADUCAH; Was noted to s/off at 0104 on 3/26. Sked change. Left stn w/CBS nx. KMPC or XEVIP?? (ELK)

4/9, caught s/off and SSB after 4/28 u/ off 0103. (JH)
REBSALAAR; 4/13 0039 u/WAR s/off. Not sure but I think something said about storm problems and that's why or late. (JH)
1570 CPOR OR ORELLIA; 4/11, sports, rr format w/ help from loop, mostly o/CKLM. (JH) [time?????.mrm]

FROM THE LIST:
710 WKRG AL MOBILE; Was logged on FC/t 4/12 between 0133-35. Not hrd after ID at 0135. V/l rcvd and says FC is every 2nd week. This may mean 2nd and 4th Fridays instead of just 2nd. (ELK)
1590 WCBG PA CHAMBERSBURG; Was in strong on FC/T per list 3/25 0002-15. Over WARR and WETT. ID at end only. (ELK)

ALSO:
2nd MM: WCAZ-990 (JMP)
BROUGHT TO YOU BY:
(ELK)-Ed Krejny/6538 Belmeadow Dr./Middleburg Hts. OH 44130
(JH)-James Hopkins/29 Grandview Ave./Fitman NJ 08071
(JAD)-Jim DeYoung/1514 Greenbrier Dr./Huntington WV 25704
(JMP)-Jim Poterba/949 Queens Dr./Yardley PA 19067
(JC)-John Belduc/10 Herrick St./ Nashua NH 03060
Very nice job this week. DX here is at a halt, with high noise levels typical of summer. However, there is still some DX to be found, and we should all keep looking for it! Until next we meet, 73, and good DX.

central dx roundup

Editor: John C. Keleher, Box 7543, Fairfield Stn. Fort Wayne, IN 46807

- THE HAT TIPPED THIS WEEK TO:
JA - JIM ALBRECHT, Milwaukee, WI (Sony CRF-5090)
TAB - TIM BEARD, 518 Cherokee St., Alta, IA 51002 (RCA table radio)
PB - PHILIP BOERSMA, 15570 Cleveland St., Spring Lake, MI 49456 (Panasonic RF-160C, 60' LW)
TB - TOM BUTAS, Huntsville, AL (Lafayette HA-600, 3 car antennas)
JDF - JAY FLORIAN, WDX9KIK, 300 E.Main St., Round Lake, IL 60073 (Panasonic RF-5000a, 70' x 15' inverted L)
KDF - KARL PORTH, Villa Park, IL (HQ-160, SM-1)
RAL - BOB LAZAR, Port Washington, WI (Heathkit GR-78, 45' LW)
AWO - AL OGRIZOVICH, Fort Wayne, IN (Allied A-2515, SM-1)
MLP - MIKE PLUMB, Papillion, NE (Realistic Patrolman 10, 40" loop)
JTP - JIM POGUE, West Lafayette, IN (Zenith Royal 7000-1, SM-2)
DRW - DON WEINZIBERL, Oak Lawn, IL (Halli SX-42, SM-1)
NEW STATION:
1500 WKAX AL Russellville, new, first day on the air 4/3, hrd 2030, fair signal (TB)
550 WKRC OH Cincinnati, fair 4/15 0420 w/sports and old RCR (RAL)
560 WFIL PA Philadelphia, 4/8 0400-03, fair w/WFIL nx. WIND had OC on. Stn. #1000 (JA) (Congrats-JCK)
WHDN TN Memphis, fair u/WIND OC 0538 4/15, w/ad for Round Dog record, RCR (RAL)
HLVI TX Beaumont, 3/31 0305-18, fair, a surprise u/WIND w/contest offer, ment. Beaumont, ID, then R.R. Thought it was HLVI (JA)
570 WSYR NY Syracuse, fair 0055 4/15 with "reflection" and s/off, SSB (RAL)

WKBN	OH	Youngstown, fair w/ad for Action Lure, then CBS commentary pgm 0C42 4/15 (RAL)				
WFAA	TX	Dallas, fair w/C&W, jingle, 0L18 4/15 (RAL)	KSEL	TX Lubbock, 4/8 0100, poor u/big mess w/ment. of Lubbock, then s/off (JA)		
580	CKWW	ONT Windsor, good w/R&R 2015 3/24	970	WDAY	ND Fargo, surfaced just enough to hear promo for AM and PM, then back into mess, 0L15 4/15 (JDF)	
610	WGSN	AL Birmingham, fair o/u (AWO) WDAF w/20-20 Mx, 0540 4/15 (RAL)			Fair briefly w/a lot of QRM, w/Wx, 0017 4/15 (RAL)	
	KDAL	IN Duluth, good 4/14 2050 w/MoR, open line show in AM (DRW)	980	WITY	IL Danville, good w/Cubs BB 1627 4/11, o/u WONE (AWO)	
620	KTAR	AZ Phoenix, fair 4/5 0415-50, o/u WETE w/end of comment from Ae net, then local, state Mx (PB)		WYOO	MIN Richfield, 4/7 2114, poor-fair, way o/WONE w/"Solid Gold Weekend" and many IDs, ment. Twin Cities, oldies R&R (JA)	
	WSUN	FL Saint Petersburg, 4/1 0258, w/wedding anniversaries ment., then Nx, Wx, big band type Mx, o/CKCK QRM, fair-good, reported Syracuse, fair w/MoR (JDF)		WSIX	TN Nashville, 4/5 2057-59, exlnt o/WONE/WITY w/MoR, ad for 1st Federal of Nashville (PB)	
	WHEN	NY Syracuse, fair w/MoR (JDF) 0341 4/8 (AWO)		1000	WVOV	AL Huntsville, s/on 1230 4/3 with emergency 10 kw diesel generator from Army Reserves. Only station on in Huntsville due to tornado damage. Broadcasting weather and emerg. messages. Issued plea to public for gas for gen. (TB)
630	CKRC	MAN Winnipeg, ID o/mess 0221 4/15		1050	CKSB	MAN Saint Boniface, 4/14 0000 with clear ID in FF, then Nx, good signals, o/CHUM mostly (JDF)
650**	WSM **TN**	Nashville, on test (JCK) using 5 kw, ID and end of test 0200 4/15 (JDF)			CHUM	ONT Toronto, good 3/24 0144 w/Knob Hill Farms ad and SID (JTF)
680**	WNYR**NY**	Rochester, on test, ID heard, TT 0152, severe QRM from WMAQ, CFTR, 4/15 (JDF)			WGAT	VA Gate City, 3/24 0602 w/Dixie and s/on, good (KDF)
	WCAW	WV Charleston, poor u/WPTF w/s/on w/SSB, some other patriotic song, 0500 4/15 (RAL)			WOKL	WI Eau Claire, alone 4/7 2035-40 w/end Ae Nx, R&R (PB)
690	CBU	BC Vancouver, o/u CMBC 0410 4/15 w/ID and concert pgm (RAL)		1060	WNOE	LA New Orleans, good o/u WHFB until power change 2030, no sign of KYW, had R&R and ment. that it played less commercials, 2020 4/7 (RAL)
730	CKDN	MAN Dauphin, 4/15 0204 w/Nx, sports, s/off 0210 w/GSQ, 0 Canada. Logs conflict as to whether CKDM or CKDN, sounds like N to me (JCK)			KFIL	MIN Preston, good 4/7 2041 w/C&W, Wx, no sign of KYW (PB)
	KWOA	IN Worthington, fair w/s/off ment. Worthington B'casting Co. and FM stn, 2100 4/11 (RAL)		1080	WKAC	AL Athens, on for emerg. due to weather w/5 kw. This was the only northern AL stn on, as the tornado knocked out all stations in Huntsville-Decatur area. Their weather reports saved many lives with direct weather radar (TB)
	CHIR	ONT Leamington, hrd this nighttime only stn 2102 4/11 w/R&R, Wx and many ads, 250 watts (JDF)			**WJOE**FL**	Port Saint Joe, 3/25 0330- with tone, band Mx, IDs, on DX, good Mendota, 4/14 1601-05 (KDF)
740	CBX	ALT Edmonton, fair w/static 0355 4/15, s/off w/o Canada (RAL) Very good w/CBC Nx, ID 0303 4/15, no QRM (TAB)		1090	WGLC	IL w/WNUS off (see below). Had SID, Nx, Wx (PB)
	KRMG	OK Tulsa, fair w/C&W 4/16 0215 (RAL)			WFWR	IN Fort Wayne, weak 4/14 2000-15, o/u KAAV w/ID for WFWR, WCHX-FM, Ai Nx, C&W Mx, 2015 s/off (PB)
770	WCAL	MIN Northfield, poor o/WABC (??-JCK) w/WBBM splash 4/7 1200, had religious programming (RAL)			WNUS	MI Muskegon, off all day 4/14 as lightning struck their tower the night before. Back on 4/15 (PB)
790	KFYO	TX Lubbock, good 0655-58 o/WSWG w/ad for fungicide, ID, religious Mx. This 4/8 (PB)		1110	WJSM	PA Martinsburg, good 0633-35 w/s/on For AM and PM, then Nx, 4/10 (PB)
830	WCCO	MIN Minneapolis, good w/ID 2259 3/30, followed by local Nx. Some SS QRM--Cuban? (MLP)		1140	WAWK	IN Kendallville, poor 4/3 2230-47, on past SS because of severe storms. Directing the CD (PB)
850	KLEU	IA Waterloo, exlnt 3/3 1229 w/ID, then Mutual Nx (MLP)			WKCM	KY Hawesville, fair 3/25 1937 with ads for sponsors in Tell City, Wx
	WKBZ	MI Muskegon, good w/Nx 0631 4/13. MoR Mx at 0641 (AWO)			CJTR	PQ Trois Rivières, exlnt (JTF) w/EE and FF rock, ancmnts in FF, 0318 4/15 (JCK) Good all morning 4/15, FF w/EE rock, WRVA off (RAL)
	WVJC	MIN Duluth, 4/11 2043 w/promo for Chapel of the Air, then quick ID, o/u KFUC (JDF)		1150**	KWKY**IA**	Des Moines, hrd def. ID on test thru CKOC QRM, 0132 4/15 (JDF)
	KFUO	MO Clayton, 2040 4/11 w/Clx, then ID, generally fair sigs (JDF)			WCUE	OH Akron, fair o/CKOC w/ID, ad and James Taylor Mx, 2135 4/5 (PB)
860	KOAM	KS Pittsburg, 4/11 2033 w/snow sponsored by Girard Nat'l Bank, then quick fade into CJBC which was strong (JDF)		1190	UnID	?? Sounded like "WBBC," s/off 2030 4/6, ment. 5kw power, fair sig w/KLIF. Ideas? (TAB) (New stn WPUP possible, see BCI 4/6-JCK)
	WEVA	VA Emporia, hrd briefly w/s/on 0630 4/12 (RAL)		1230	KTNC	NE Falls City, good 3/26 w/ID 1859, followed by ABC Nx (MLP)
910	WGBI	PA Scranton, 4/8 0205 poor u/WSBA, w/ID, may have been s/off (JA)		1240	WROV	VA Roanoke, good, topping GY w/spots and IDs, R&R, 0226-35 4/24 (JCK)
920	WJAR	RI Providence, brief s/on ancmnt. 0530 4/24, then R&R, till lost to KARN 0540 (JCK)		1250	WTAE	PA Pittsburgh, noted off 4/15 with TT/ID 0322. Hrd s/off 0200 4/22 w/"America the Beautiful," fair thru WGL 30 Hz tone on Pop (JCK)
	KELP	TX El Paso, 4/8 0300, fair o/GKCY w/s/off, ment. return in AM w/more real rock (JA)		1280	KTLK	CO Denver, exlnt 3/25 0331 w/ads for local sponsors (JTF)
930	KWOC	MO Poplar Bluff, 4/8 0010-15, fair to good o/WOKY QRM w/severe storm warning and ID, MoR Mx (JA)				
940	WIDG	MI Saint Ignace, fair o/WFAW w/R&R, ad for gas saver, 1945 4/7 (RAL)				
	UnID	?? Didn't catch all of ID, 0513 4/15. Signal from SE, weak with slow fades. WMAZ? (TAB)				
950	WJPC	IL Chicago, fair w/R&B 1348 4/10				
	KRSI	MIN Saint Louis Park, 4/7 (AWO) 2043-45, fair and alone w/local ad, then "#1 in the country" slogan, C&W Mx (JA)				

1300 CJME SAS Regina, fair 4/15 0138 w/Nx, Wx, and promo to fight epilepsy. Faded quickly into QRM (JDF)

1310 KFSB MO Joplin, 3/22 2028-30, fair to good w/ID, then Ae Nx, R&R Mx (JA)

WISENC** Asheville, good w/comb. ET and DX special 4/15, hrd from 0240 to 0320, had calls from VA SC IL MI OH FL NC and AL (RAL) Exlnt 4/15 w/ET, DX, promise of album for 1st caller. Not listed by IRCA, NRC (DRW)

WBFDPA** Bedford, clear on ET, off at 0145 4/15. Some WIFE QRM but not severe (JDF)

1330 KFH KS Wichita, IDs and R&R Mx 0241 4/15, good sigs, mostly over QRM (JDF)

WFBC SC Greenville, fair 3/25 2104 with regional Nx, ad for bank, SID (JTP)

1360 WDRC CT Hartford, 3/24 0321 w/phone call, rock Mx, poor (KDF)

WSAI OH Cleveland, fair w/Jim Croce Mx 0517 4/15 (RAL)

WBAY WI Green Bay, 4/15 0306, o/everything w/s/off, prayer, SSB, best ever here (JCK)

1380 WAOK GA Atlanta, fair w/QRM from UnID TTer 0515 4/15, soul Mx (RAL) Fair-poor u/UnID OC w/ID 0332 4/15, pop Mx (TAB)

CKLC ONT Kingston, 4/15 0303, fair briefly w/Nx, sports, and s/off with O Canada (JCK)

1390 WCSC SC Charleston, fair o/u WNUS with promo 0332 4/8 (AWO)

1410 WDOV DE Dover, ID finally emerged from mess, "This is WDOV, Dover, DE" after what sounded like live tag on PSA, WING nulled, 1948 4/16

WRIS VA Roanoke, 4/16 1957, s/off (JCK) in mess, may have been with "God Bless America" heard after fade (JCK)

1440 CFGO ONT Ottawa, fair 0448 4/15 w/sports

WOHNVA** Herndon, 4/8 0148-55, (RAL) fair to good w/PSA, Wx, IDs. Listed as 1 kw daytimer in NRC log, sounded like RS. R&R Mx (JA)

1460 WBNS OH Columbus, good w/TC, ID, Mx 0458 4/15 (RAL)

1480 WRDW GA Augusta, hrd thru QRM w/soul Mx, 1 ID that sounded like WRAW. Fair signals, 0338 4/15 (JDF) With religious songs 0427 4/15, fair (DRW)

WJBM IL Jerseyville, fair 2013 4/14 w/G&W (DRW)

1490 WAJF AL Decatur, 3/26 2300-05, poor w/ID followed by UPI Nx and s/off w/"America the B-ful" 2305 (JA)

WMOA OH Marietta, fair w/QRM 4/16 0307 w/Nx, sports, Wx (RAL)

1500 WGIC OH Xenia, 4/4 2105-10, fair to good w/AN emerg. b'cast, taking phone calls, ment. simulcast w/WBZI, 95.3 FM, inst. MoR Mx (JA) Good 4/4 2100 and after, on past SS, co-ordinating cleanup after tornado of 4/3. Curfew mention. Also noted 2130 4/5 (PB)

1510 WMEX MA Boston, fair signal 0346 4/15, mixing w/CJRS, R&R Mx, hrd ID and DJ talk (JDF) Fair o/u CJRS w/R&R, jingle 0334 4/15 (RAL)

WAHTPA** Annville, good thru WLAC on ET 4/16 0020, had tone and voice ID every 5 minutes (RAL)

CJRS PQ Sherbrooke, w/R&R and MoR Mx, talk in FF. Signals fair-good, mixing w/WMEX, 0345 4/15 (JDF)

1520 KMPL MO Sikeston, weak u/WKBW and mess, just hrd ID 0611 4/15 (TAB)

WBNO OH Bryan, good 4/8 2050, on past local SS with "Operation Bryan Cares," apparently raising funds to help victims of 4/3 storms. WKBW/WSVL QRM (PB)

1540 KGBC TX Galveston, positive ID 2044 4/9. Good o/KKEL w/ad for transmission shop, ID, then pattern change 2045 (PB)

1550 WAAY AL Huntsville, main tower hit by tornado 4/1 at 10:30 P.M. CDT. Temp. oper. w/500 watts non-dir. Said it would be over a month before a new tower and repairs would be made. (TB)

KOKA LA Shreveport, s/off 2300 3/30, ment. "KOKA, Inc." and "with 500 watts night." Weak signal fading into KKJO (TAB)

WCVL IN Crawfordsville, o/mess w/ID 2000 4/3 (PB)

1560 WRIN IN Rensselaer, 4/3 2125, o/u WDXR, on past local SS because of storms. (PB)

1570 KMCD IA Fairfield, fair o/CHLO 4/10 2042 w/Nx, s/off 2045 w/SSB (RAL)

WFUR MI Grand Rapids, fair w/Wx and car ad 0658 4/12. Worse after WGLB-1560 s/on 0700 (RAL)

UnID ?? Stn w/s/on 0700 4/15. ID at 0704 weak, "WOK-", in mess. Either WOKC or WOKZ, which? (TAB) (I'd favor WOKZ with that s/on time, but hard to say--JCK)

1580 WFVR IL Aurora, hrd ETing w/Wx, ID 0615 4/15, good signal, over WCLS. 1st 250w IL here (TAB)

KWNT IA Davenport, good 4/7 2040 w/ABC Nx, G&W, s/off at 2045 (RAL)

KCHA IA Charles City, good 4/7 2046 w/s/off right after KWNT. Almost played s/on tape by mistake (RAL)

WAXU KY Georgetown, 4/9 0701 s/on, no SSB, good (KDF)

WPGC MD Morningside, fair w/Capital Connection contest, R&R, 0640 4/12 (RAL)

1590 WETT MD Ocean City, good 4/15 0202, o/WAKR for a few minutes with WETT Weather Watch (DRW)

+++++
 WGL's PoP test didn't come off so well. It started about 0135 4/22, and by the time they were ready to use the distortion meter, it was found to be operating improperly. AWO says the test will have to be run again, probably on a MM, and hopefully he will be able to go on with the day pattern. Should be easier for some of you guys if WTAE keeps going off. NEXT. It is with some hesitation that I mention this, but it seems that, on certain frequencies, the same stations are just being reported over and over again, with little really new info for the readers. This, I suspect, may have been the reason for some of mrm's remarks awhile back, and the institution of the ill-fated RFS 1-SMS policy. I have cut out items only on very rare occasions in the past. Now, the JCK "Sunny 620 Action Purge" is announced. Starting with the wastebasketing of my own report of CKCK, I now now reserve the right to reject any report of MM reception of that station, KTAR, WSUN or WHEN if I believe they would not be of interest to the majority of members. Reason is obvious, and has nothing to do with whether it is a good catch for you or not. 73 de Charley.

Editor: Jeff Brasler,
 10341 Shirley Ave.,
 Northridge, CA 91324

western dx roundup

Tests and station schedules:

650**????*UNid intermittent TT o/u KORL presumed to be WSM 0235-0250+ 3/30. Tried calling KIKK a couple of times but got no answer. (BP)

740**KBAD**NM***Carlsbad r/c hrd 3/20 0220-0230 u/a weak KCBS. Called stn and the dude said it was regular Q3 test on the 2nd Thursday, but he goofed this time. (was on 3rd Wednesday) ID at end of test. (JAB-CA)

800 CHAB SAS**Moose Jaw noted 0427 3/18 w/CJJC
 1280 KCNI NE off announcing "now 24 hours." (BP)
 Broken Bow r/c 0135-0150 3/16 w/
 TT. Unreadable ID 0145. Weak o/u
 KIT et al. Had to call 'em and get
 CE to put break in tone 0143 to
 1420 KXOW AR confirm it was them. (BP-WA)
 Hot Springs beginning ET-TT 0606
 3/23. (BP-WA)

 540 KDLT UT Delta 4/5 0944-1000, fair till fade
 w/cw mx. Nx on hour, spots for
 Richfield, Fillmore. (WLC-AZ)
 690 CBU BC Vancouver o/u XETRA 1115-1130 3/19
 w/CBU IDs and mentions of Canada
 and Vancouver through horrendous
 KNBR slop. (ECR-CA)
 760 KGU HI Honolulu s/off no anthem 0602 3/25
 after rr. Format change? (BP-WA)
 790 KABC CA Los Angeles, telephone talk show
 and ID. Little QRM at 0550
 3/25. (JFO-WA)
 860 KONO TX San Antonio much wanted w/rr 0737
 3/23. XEMO seems to be off daily
 from approx 0615-0800. (BP-WA)
 900 CKBI SAS Prince Albert w/rr mx, nx at
 :55 till 0300 s/off. V. gud o/
 CJVI. (JAB-CA)
 950 KIMN CO Denver in 0620-0625 w/KIMN ID.
 Usual pest XEGM apparently off.
 (ECR-CA)
 990 KRKS CO Denver fighting its way through
 the slop 0830-0832 4/8 w/s/on
 giving call, power etc. (ECR-CA)
 1130 CKWX BC Vancouver now c/w mx. (BP-WA)
 1140 KGEM ID Boise in strong 0820-0830 4/8
 before KRAK s/on w/many IDs and
 mentions of Boise. (ECR-CA)
 1240 KCLV NM Clovis 4/12 0300-0330, fair-weak
 mixing w/KSON, KRDO, KROY w/rr,
 nx & wx on hour & at :30. Very
 short. "Voice of Eastern New
 Mexico." (WLC-AZ)
 1260 KIXY TX San Angelo 4/12 0659-0701. SSB
 & s/on, mention of KIXY-FM.
 Fair w/KYA, KGIL. First time hrd
 other than f/c. (RJS-AZ)
 1270 CHWK BC Chilliwack 3/25 in strong w/rr mx
 from 0411-0415, then nx & wx till
 0430 s/off. (JAB-CA)
 1280 KRZE NM Farmington 4/11 2140-s/off 2145,
 no anthem. C/W format, told to
 listen to KRAZ-FM. (WLC-AZ)
 KBDF OR Eugene noted for call change 0247
 3/16 w/soft MoR & announcement as
 24 hours, 0259 gave fake s/off
 followed by CBS news. (BP-WA)
 1360 KUIK OR Hillsboro s/on 0900 3/31 fair-poor
 in jumble but had loop pointing
 the wrong way. No anthem, then
 seemed to have MoR mx. (BP-WA)
 KVRS WY Rock Springs s/on w/SSB & 2001
 Theme 0858 3/31, then Ai nx
 barely atop mishmosh. (BP-WA)
 1380 WLCY FL St. Petersburg 4/12 0555-0600.
 Florida nx, good call at 0559.
 On top & 100% readable. Mentions
 of State Legislature and various
 Florida cities-new. (RJS-AZ)
 1410 CKSL ONT London in fair 0505-0515 3/18
 in fight w/unID. SS w/CKSL IDs
 and mentions of Canada. (ECR-CA)
 1450 KONE NV Reno in strong w/no QRM at 0557
 3/25 with spot for Nevada
 Employment Security. ID'ed as
 "K-ONE". MoR mx. (JFO-WA)
 1510 KDKO CO Littleton fair o/WLAC et al w/
 soul mx & Mutual Black nx 0750-
 0810 3/25. Then clobbered by
 KGA ET-mx. (BP-WA)
 1530 WCKY OH Cincinnati in fair 0525-0530 3/25
 w/IDs during KFBK SP. (ECR-CA)
 KJEM OK Wagoner good o/u WCKY w/cw &
 gospel mx 0707-0715 3/10. (BP-WA)
 KCLR TX Rails 4/12 0817-0819 s/on announce-
 ment & slogan "Finest in Modern
 Country Music", then into SSB.
 Well o/KFBK (unusual). Fair to
 good. (RJS-AZ)
 1540 KXEL IA Waterloo, a surprize at 0610 3/25.
 Fair signal with no QRM. ID
 garbled with K-X-E-L. C/W mx. (JFO)

May 4, 1974

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1560 WDXR KY Paducah 4/18 0601-0659. NBC Nx
 ending 0605. MoR mx, at wx
 "Downtown Temp. 44". Good "WDXR"
 call Followed. Well o/WQXR, first
 time here. GDT TC's- DJ used
 "Paducah" and "Rivercity" inter-
 changeably in referring to
 location. (RJS-AZ)
 WQXR NY New York 4/12 0630-0635. Nx and
 wx, several IDs "Temperature in
 City Park". Good for them, about
 best ever. (RJS-AZ)
 KGUL TX Port Lauaca 4/18 0709. Clear "KGUL
 Radio" out of the QRM after 3 or 4
 s/ons on channel at 0700. Could
 not identify programming-new. (RJS)
 1590 KLIV CA San Jose in like a ton of bricks
 w/rr 0009 3/25. KUUV off briefly
 but returned 0015. (BP-WA)
 KBBQ CA Ventura poor u/CLIV w/cw 0011
 3/25. (BP-WA)

This weeks supporters included:

(WLC) William "Larry" Cowles- 362 W. Marcus Dr.-
 Tucson, AZ 85706 (Hammarlund HQ-200 w/
 Sanserino Loop)
 (JFO) John F. Orren- 5004 17th NE- Seattle, WA
 98115 (GE C2425A Clock Radio)
 (BP) Brucie Portzer- 14056 5th Ave South-
 Seattle, WA 98168 (HQ-180A, SM-2/4ft lup)
 (ECR) Eric C. Rittenhouse- 77 Linafia Way- Menlo
 Park, CA 94025 (Hallicrafters S-85 w/
 75' long wire)
 (RJS) R.J. Small- P.O. Box 4548- Tucson, AZ
 85717 (SPR-4, Sanserini loop, SM-2)
 (JAB) your editor (HQ-129-X, 2 wires and loop)

Please excuse the lateness on some of these reports.
 I have been very busy lately and unfortunately
 this was put aside. Only one verie to report-
 A QSL from WSJC for Mississippi #2 heard and
 veried. Welcome this time to R.J. Small and
 Eric Rittenhouse. Remember to report often.
 Deadlines will be as follows: 5/17, 5/31, 6/28,
 7/26, 8/30. These are all Friday deadlines. Let's
 here from you soon. 73's.

eastern dx forum

Editor: Bruce R. Heimburger

817 Rawlins St. - Port Huron, MI 48060

Paul Mount - 471 Emerson Avenue - Teaneck, NJ 07666

H1! DX has been done whenever I could, not of ten.
 One night I was criticizing the f/c list, then get
 a possible two new ones on 1580, WKIG and WORV.
 WKIG already sent back my ppc, new state veried.
 On 3/24 I was setting my clock radio to WNEW to be
 sure I wake up, since there never off. They were
 off. I heard KMOX very weakly, tentatively, w/CBS
 R.Mystery Theatre. WRVA fair, but from a CM I got
 I found out why its been so hard to get them. They
 null this way. Then from Bronxville NY heard WAEB
 WELI WINE for new ones plus WPRO CBF in middle of
 day. WWDJ says starting April 1 they are going to
 become the Inspiration of New York. I talked to
 the manager Lazar Emanuel, who said that they had
 been losing money ever since they became a rocker,
 so they had to change, and playing religious mx was
 their choice. But there is speculation that this
 is just an April Fools Day joke. We'll know by the
 time this is printed. All the DJs have places to
 go, he said. Stevie Clark sounded very sad on his
 last show, I gotta go. 73s.

Paul Daplyn - Box 1348 - Brockville, Ontario K6V5Y6

Not too much to report except NRC Log correction/
 additions. CBEF 540 267 Pelissier St., WOAI 1200
 Zip 78299. Postal codes for: CJRP 1060 G1S 1L8,
 CJRS 1510 JLL1C1. Re Jon Pearkins review on my 4'
 litz wire loop; it's still in the experimental stage
 and I don't plan to publish specs etc. until I can
 substantially reduce its cost without impairing its
 performance. Its present cost (excluding tripod)
 is just over \$100. 73.

Fred Prechtl - 6128 - Glade - Cincinnati, OH 45230
Hello gang; It seems strange that a stn which has DX specials, does not verify when hrd on RS. I am referring to WNDB - 1150 Daytona Beach, FL. It has been once a month since I reported to them, and as yet have not received a reply. DX cx have been in a slump, since the 2nd week of March when my last new stn was hrd on 3/11, and cx do not seem to be improving. BRH, I doubt very much, that our FF mystery stn on 1170 is CFNS. It is too unlikely that a 1 ks. stn would make it in here from Sask at SS. My theory is that it must be a new stn, possibly in Quebec, the predominantly FF province or maybe Ontario. Perhaps some of you Canadian members can shed some light on this, Veries in since last rpt are WKRK, WNRJ, WDRK, WSLW, WCPB, WPPA, KTAR and WGBS all ppc's, bringing my total to 1333/876. 73's.

Richard Shaftan - 60 Gramercy Pk - NYC, NY, 10010
Hi all! Mucho DX done lately w/vry gud cx. No SSS DX done now cx are terrible til 0000 when they become great. Couple of newies. I am excluding all tentatives that I have identified otherwise from my list (like my Peruvian on 1500 which I found out is Mexico) I am going to rewrite my whole list of stations heard and there may be a few changes in the states. A few veries in so here goes, CFRB 1010-v/1,v/s Clive Eastwood,VP They also sent a copy of their sked and a FM-MW CM.WPRO v/q, v/s Bill Collins CE, WINS v/q, That makes total 88/272,9/20X,22/35(#22 is RI), 5/6. After my revamping of my totals, maybe I will have more time to DX. Another MAD men meeting will take place 4/7 out in Teaneck somewhere. Any pennant collectors out there. I already have 22. Anyone who wants a brand new 74 WRTH, highest offer gets it (by May). Ditto for a brand new 64 WRTH or a new 59HtL. Write for a cmpl list. 73's from the only place in the North East to have snow in the end of March.

Brh - 817 Rawlins St. - Port Huron, MI 48060
Please note the summer address, which may just last longer than that. I may not be back to A.A. next fall. And just after I get about 50 nice new forms with the Ann Arbor address at the top! So anyway, mail all reports to the P.H. address. That's about all, as usual. Exams start in a couple of days. See you in may.

Paul Mount - 471 Emerson Ave. - Teaneck, NJ 07666
Hi all. Two phone conversations w/Page Taylor of Butler have been extremely productive. On 4/7 he told me where to dial on the radio. I did that & put the speaker up to the phone. He IDed HJED, CMCA, & YVOZ for me. On that little ol' radio! Then 7/14-15 I played my tape of WRVA. Not only did he, o/the phone, detect CJTR in back of WRVA, but also a Cuban jammer putting a 2kHz het on it. Gosh! Another thing. I put on WWRL & he hrd WUNR behind them. Unreal I kept saying. Then CBJ w/ inst., that was tent. before. 0043 got me CJBR w/CHML, good sig. I had a het up there which Page sed may be WDR-1586, but I'm not going to count it as hrd. He also said that in 10 years of DXN, DU stns most reached EC on 3MM April. Didn't hear 4QD but instead got WAAY. QRN real heavy that night. Thanks to Page for about 10 newies. Veries are WORV, WSUF, & CHUM for summer reception, 245 days, WBZ+CM, & CFRB. 73s.

James Hopkins - 29 Grandview Ave - Pitman, NJ 08071
Hi! No mail received the past 2 weeks, not even DXM. Post office must of shut off all my mail, hi. Did anyone get an ID off the stn on 630 that was testing all night? (date-?? -Brh) Had a pretty nice week DX-wise, picking up many new stns. Totals are still low though. They are 345/215, 34/32, 3/3, 7/4. Well not too much to say. 73s

John Bolduc - 10 Herrick - Nashua, NH 03060
Guten tag from the Switzerland of America. Monica Vall, v/s, and the gang at the VOA must be losing their touch. I recently received 5 QSLs from VOA. One of them did not have the time. One had the wrong time & 4 had no date. The VOA veries I got were from Greece(2), Vietnam, Thailand, & Okinawa. When I wrote to VOA I stated that the signals I received might have been sporadic because once in a while my rcvr is over-sensitive. They verified anyway & I am now convinced that some sigs were sporadic. Phil Bergeron wrote in to VOA w/recep-

tion of FF African service. He said the freq. was 1171, VOA added a 0 and made it 11710 kHz SW. Recent veries, WANN, WKAP, & WSAN. Does anyone know where WZIX 1350 is? That's all for now. 73

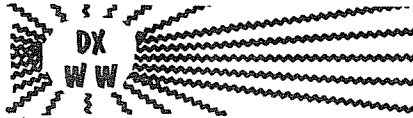
Tom Sundstrom - Box 205 - Willingboro, NJ 08046
I've not supplied anything to EDXF lately, for things have been status quo until recently. The biggest news is a change of jobs for, as of 7/1, I will be functioning as Dean of Students at Salem Community College in Penns Grove, NJ, after having spent 2½ years in the Community College office of the NJ Department of Higher Education. The institution is occupationally-oriented, and offers excellent programs in electronics, drafting, & scientific glass technology, among others. I would invite NJ or DE residents to contact me if interested. DX has been slowing down somewhat, but auroral counts continue high and the most noteworthy recent addition of foreign loggings has been ZBV-1 on 780 kHz in March. Loggings have been forwarded to both EDXR & DXWW; a particular vote of appreciation is due RFS for a most interesting and well-arrayed column as his knowledge of LAs is most useful to me in figuring out what I heard.

Leslie Wood - 1463 Tadmor St. North Merrick, L.I., NY 11566
Hello DXers. It has been a long time since I have reported to the DXF. Much has happened since.... I have increased my heard as well as verie totals. Latest veries which have rolled in have been CFRB KYW, R. Trinidad, WKIK, all v/q. The following have never veried for me, after several reports: WKIX, WKBA, WSTC-and I've hrd they're good verifiers! What's up?? Well, am always reading and enjoying DXM, every chance I get. There's no getting tired of this hobby, and its interest seems like it can last for a long time. Hope more and more people get interested in this exciting hobby. 73s and Gooood DXing.

Randy V. Minnehan - 975 Chestershire Rd. Columbus, OH 43204
Hello everyone! DXing has sharply been cut back now that the spring quarter has started. I'm carrying a heavy load this quarter (25 credit hours) so I have little extra time. I guess a re-intro is in order... I'm 19 and a sophomore at Ohio State U. here in Columbus. My major is Photography & Cinema, which is also my only other serious hobby along w/DXing. I've been DXing since '70, when I DXed domestics, but I have since DXed only foreign, which I find much more of a challenge. My rx is a Realistic DX-150A, and antenna a 2½' DCL. So far I have but 46 countries. Mr. Shastan please send me your address... it is not listed in the membership list. If anyone is interested in trading old-time radio programmes (any type) via cassette, please write. 73.

Richard Shaftan - 60 Gramercy Pk. - NY, NY 10010
Hi all. Not much DX done here lately due to the fact that my father has put in a florescent lamp on top of a plant in the dining room. The thing puts noise all o/the dial. I am working on a line filter at home & as soon as I get a few chokes it should work. The last one that I built had no resistance or something & the chokes melted the insulating tape on top of them. Subsequently, the chokes burned out. Paul Mount gave me a copy of DXM XI, 1 (9/8/73) which gives me all the issues so far this year. I joined at 11/2. With the offset & 2nd class rates, DXM should be one of the cheapest DX publications around, next to the R. K. Shaftan DX reports to various editors which cleans me out of at least a few bucks a year. Totals around 93 veries for around 258 stns. 73s in 1974 and see ya at the ANARC Convention in Bronxville, July 5, 6, 7.

Philip Bergeron, 77 Avon Drive, Nashua, NH 03060
After seeing the 3/9 edition of DXM and the item regarding new member recruitment, John Bolduc and I went to some of the local stations in Southern NH and northeastern Mass. to try to get lists of people who have sent reception reports to their stations. We drove a total of 174 miles. At WOTW here in Nashua they weren't aware of any list and the engineer wasn't there. At WSMN Nashua the people on duty said they never received any letters. At WFEA in Manchester the engineer wasn't there. At WKBR engineer Bob Malloy didn't have a list on hand but he called us up the other



May 4, 1974

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Ron Schatz \$ Box 592814 AMF \$ Miami, FL 33159
AC305-945-4915 \$ Deadlines: Wednesdays 5/16, 5/30
All times CUT/GMT/Z = EDT+4 = CDT+5 =MDT+6 = PDT+7

- 860 Kyokai" ID. Wouldn't have expected them in this late, but there they were.
- NEW ZEALAND, Rotorua, 1YZ presumably the one w/6 pips & accented EE talk 1100 3/17. Good DU cx that SM.
- 1178 JAPAN, Okinawa, VOA strong w/KK talk 1338 3/31. Sounded like a direct relay off SW.

Trans-Atlantic DX Roundup

Uma entrada só de Eckman:

- 1594^t PORTUGAL, Lisboa, CSB4. TA heard here 0500 4/13 w/chime & into mx & talk. Talk must have been PP, tho I've never heard it before. Same sort of format as Putney's report of a few weeks ago. Signal fair-good. F/out by 0610. Again 0215 4/14 very strong w/mx, PP talk. 0300 assumed ID w/ment. of Portugal. 0345 abrupt s/off w/2 5-second tones & then carrier off. No other TA's heard 4/14; just 3 TA's heard on 4/13. Could this have been a test? Seemed too strong for 10 kw. \$ Unusual (RFS)

Colombian ER's Disappointing

Thanks to increased all-night operations among both Colombian and domestic stations, MM 4/22 offered relatively little excitement compared to past ER dates. Not only are the channels more crowded this time, but many Colombians operate AN anyway, so there was little new to log. \$ Noted AN in Miami was the Subatanza network, also R. El Sol -980 w/Todelar. Just about everything else was disappointingly "normal" for a MM.

Next ER's: República Dominicana FM 5/17.

Sweden Calling DX-ers

Choice tidbits - via FJP:

BRASIL, Brasília, Rádio Nacional now reported w/300 kw on MW as of 3/11. Last reported freq was 1250, a move from 1210 khz. Worth trying for late MM's!!

WRTH Latest LA-News

HAITI, Port-au-Prince, 1475 khz: 4VAA, La Voix du Peuple, B.P. 516. Director: A. Azur (22)

NICARAGUA, Chinandega, YNKS, R. San Cristóbal, Ap. 59. Dir: J. Gutiérrez P. Sked: 1100-0400 (46)

COLOMBIA, Montería, 1020, HJZD, R. Panzenú, Carrera 3 No.30.12. Dir: A. Cabrera. \$ Note ELK!

PARAGUAY, ZP28, 25 kw, LV de la Cordillera (new).

PERU, R. Huesca, heard in Finland on 1106 khz.

Numbers in () refer to WRTH listings.

Pro-Turkish-Cypriot Clandestines

Via Stewart MacKenzie of ASWLC & the BBC Monitoring Service \$ © BBC 1974 - do not reproduce.

- 674 "Kibrisin Sesi" (Voice of Cyprus). First heard 9/9/64. Anamur, Turkey? 0500-2000.
- 1095 "Radio Bayrak". 0427-2100. 0427-2100 (avoid Carter's correction paper, hi), all Turkish.
- 1200^v "Doganin Sesi" (Voice of the Falcon). First heard 1965. Larnaca, Cyprus? 0458-1700.
- 1275 "Burası Lefka Sancak Radyosu". First heard 1964. Lefka, Cyprus? 0457-1400 irr.
- 1372^v "Magusa Canbulat Radyosu". First heard 1964. Famagusta, Cyprus? 0457-1900.
- 1473 "Radio Bayrak". Greek & EE. 1000-1800.
- 1522 "Gazi Baf Radyosu" (Voice of Paphos Veterans) First heard 1967. Paphos, Cyprus? 0523-1830. All Turkish.

This fortnight's Roundup reporters:

John CLEMENTS; No. Hollywood, CA (SPR-4, 10000' bev)
Richard ECKMAN; Phila. PA (Grundig "Satellit" 210)
Don ERICKSON; Riverside, CA (DX'ing w/CLEMENTS above)
Charley KELEHER; Fort Wayne, IN (Barlow's XCR-30)
Albert LOBEL; El Cajón, CA (DX-150A, IRCA loop)
Paul MOUNT; Teaneck, NJ (Panasonic R-1551)
Father Jack PEJZA; San Diego, CA (HQ-180)
Bruce PORTZER; Seattle, WA (HQ-180A. SM-2)
Eric RITTENHOUSE; Menlo Park, CA (Hall. S-85)

Trans-Pacific DX Roundup

5 items from Portzer (Seattle) & Rittenhouse (nr. San Francisco). JOBB-830 to Rittenhouse, rest to Portzer:

- 700 AUSTRALIA, Grafton, NSW, 2NR good & all alone w/drama 1040 & discussion ment. NSW 1116 3/17. Local KIRO-710 off for some reason.
- 760 HAWAII, Honolulu, KGU good w/R&R until s/off 1002 3/25.
- 830 JAPAN, Osaka, JOBB heard 1359-1401 3/30 w/good signal, M&W in JJ w/IS of 3 short pips & one longer, higher one at 1400, then "Nippon Hoso

Pan-American DX Roundup

26 items from most of the gang:

- 640 CUBA, Habana, CMQ o/u KFI 0540-45 3/21 w/man in SS & ments. of Habana & Cuba. Strong signal but not too clear (Rittenhouse)
- 650[?] UnID intermittent TT O/U KORL & c/w presumed to be WSM 0635-50+ 3/30. Cx too auroral for the c/w to have been KYAK & the TT WSM, & KIKK didn't answer the 'phone when I called. So maybe a LA testing? (Portzer) No, most likely KIKK. Many personnel just don't answer the 'phone past midnight at many stations (RFS)
- 660 MEXICO, D.F., XERFM in stronger than usual w/many R. Juventud ID's. Was only stn audible on this freq. 4/8 0050 (Lobel¹)
- 730 COLOMBIA, Bogotá, HJCU only HJ heard MM 4/22 0638-40 w/tropical rhythms & ment. of Colombia (Pejza)
- 731^{v?} UnID 4/8 0440. XEX was in on 730; this stn was in just slightly higher. I doubt it could have been HCBG1, the only other possible one would have been CMJL, & I doubt that too because of KCBS at 740. Anyone have any ideas? (Lobel¹) Al, I fail to follow your logic re CMJL & KCBS - sorry(RFS)
- 820 COLOMBIA, Cali, HJED strong on auroral eve 4/8, first 0335, then 0357 w/slow song, YL talking, March around 0359. Signal gone 0400. WGY dominate (Mount)
- 830 MEXICO, D.F., XELA w/classical mx to 0603 s/off 3/30. Strong & all alone but severe electrical noise made things rough (Portzer) \$ XELA killing WCCO 0505-10 3/21 w/several "equis-ay -ellay-ah" ID's & mx pgm (Rittenhouse)
- 834 BELIZE, R. Belize 4/8 0500 in w/S9+ signal. Never heard before w/IRCA loop; new Sanserino loop really pulls it in. Spur from XETRA at 835 completely nulled, impossible w/IRCA loop (Lobel¹) \$ R. Belize in 0455-0510 s/off 3/20 w/M&W in EE w/pre-s/off format & "R. Belize, voice of the emerging nation of Belize" ID's. Ended w/apparent NA & GSQ but not sure due to excessive noise (Rittenhouse)
- 840^c PANAMA, R.P., HOL80 fair-good 0657-0720 3/30 w/various types of LA mx. M&W led me to think at first it might be Cuba, but had def. R. Libertad ID & ment. of Panama (Portzer)
- 850 MEXICO, Mexicali, BC, XEZF 4/10 0012. Good signal w/many ments. of Mexicali & "La Rancherita Contenta" ID's. Strong competition from KOA (Lobel¹)
- 860[?] UnID SS nx w/M&W alternating 1030 3/23 (Portzer Insuff. info for a guess (RFS))
- 900 BARBADOS, Black Rock, 4/19, this one ID's as "CBC Radio" (Caribbean B'casting Corp., I guess End of "Harvest Time" rel pgm 0259, ID & TC (11 o'clock), then fade, back 0302 w/nx, s/off 0303, mentioned CBC, 10 kw, 900 khz, then slow mx sounding like trumpets (Is this Bugler's Holiday?) XEW nulled fairly well. Accent hardly noticed; sounded very much like a domestic s/off. (Exact words of ID: "You're in tune with CBC Radio. In Barbados it's 11 o'clock". "Words "Caribbean B'casting Corp." ment'ed in s/off. Not a Canadian! (Keleher)

- 920 MEXICO, Hermosillo, Son., XEBH. Complete ID's: BH, Hermosillo, & "La Pantera" slogan. Excellent & dominant o/everything else 4/1 0323 (Clements & Erickson)
- 940 VENEZUELA, Punto Fijo, YVNN, R. Pto. Fijo noted good w/mx & "Rumbos" promos, well o/Mexican 0316 4/19. Possible that PF rebroadcasts R. Rumbos-670? (Keleher) No, certain (RFS)
- 960 MEXICO, Cd. Obregon, Son., XEIQ dominant w/very distinct "Radio IQ" ID's 4/1 0330-45 (Clements & Erickson) No connexion w/Mensa, hi (RFS)
- 965^t NICARAGUA, Managua, YNLU suspected 0351 4/19, slow song in SS by OM, then talk by YL, prob. DJ, acc. by "Dr. Zhivago" theme mx. Speech by man next, pips 0356, then carrier cut. Is 0400 becoming a widely accepted time for YN s/off? See my report on tent. YNM-620 2/16 DXM (Keleher) Remember, Nica. is now on CDT.
- 1030 ARGENTINA, Bs.As., LS10 noted buzzing XEQR 0700-0900+ 3/27 after KTWO s/off. All talk. Had anmt around 0820 (not sure of time, taped while I slept) ment'ing "noticias", "Panorama" & R. del Plata. Much wanted, country no. 44 & first deep SA ever in 10 years of DX'ing. Brasil is next, will gladly swap JOBB-850 or VOA-1178 for Globo-1180 - anyone willing to trade? (Portzer)
- 1125 COSTA RICA, San José, R. Capital in for a long time w/excellent strength. Many R. Capital ID's 4/1 0240 on. (Clements & Erickson)
- 1135 GUATEMALA, Retalhuleu, in good but had a lot of problems w/1130 & 1140 splash on my poorly working RX. ID is trumpeting followed by a YL in clipped SS saying "La Costa Sur - la máxima en auditorio" 0558 4/1 (Clements & Erickson)
- 1200 VENEZUELA, Caracas, YVOZ. Good SS signal w/ ancr saying "Venezuela"! Then SS song w/heavy beat 0340 4/8. 2'nd SA of night (Mount)
- 1250 MEXICO, Saltillo, Coah., XESJ in like a ton of snakes w/SS vocals, many ads, & several "essay-hotah" jingles 1227-0240 3/31. A surprise, was expecting XEDK or XEDL (Portzer)
- 1300 MEXICO, Cd. Juárez, Chih., XEP 4/10 0000. Many ments. of Cd. Juárez. Also gave an address in Wash., DC for something or another. ID as R. Trece (13) & "X-E-P", I'm quite certain of the X-E-P ID & Cd. Juárez! I noticed in the FL the stn on 1300 that was reported by Hauser & am quite certain it's not that one. (Lobel^s)
- 1410[?] UnID. In most of the AM 3/18 w/"R. Cali" ID's & many repetitions of the slogan, "Doce de la noche con siete minutos" (12:07). Nothing fitting this description in WRTH or IRCA FL.
- 1700^x Help! (Rittenhouse) When was the TC?? (RFS) GUATEMALA, unk stn w/many spots for "La Carosa Rioja" nightclub. Located on the Plaza España. Fair, but suffers from distortion. No ID's or slogans, taped. 0615-35. (Erickson & Clements) Likely 2'nd harmonic of TGX, R. Ciros (RFS)


International QSL Roundup

2 items from Eckman:

- 730 TRINIDAD, P-of-S verified in 2 weeks for written report. Card specific for date, time, freq. V/s E. Mc Dowell.
- 1466 MONACO, M-C verified in 3 months w/card. Specific. No v/signer. Written report & 2 IRC's were sent. Current sked also sent.

Reports have improved greatly since the new DXWW guidelines took effect. I could have returned a few but I didn't. \$ For those who are asking: 29, 170 lb., 5'11", white male. Born in Philadelphia (not Cuba), been in Miami area for 15 years, Nam-vet, member of Mensa, Rosicrucian Order (AMORC) (I mention these as a point of information ONLY). Currently a Senior at Florida International University with a business major. Sign is Aquarius, for what it's worth. Best catch are some 100-watt Brasilians back in December of 1963. Joined NRC in '62, w/IRCA since its inception. Everybody happy?

Next DXWW in 3 weeks. 73 de RFS




300W TO BE 50,000 watt
650 kHz 25,000 Watts
P.O. Box 2480 Anchorage, Alaska 99501
Alaska's Most Powerful

Thank you for your report of reception of KYAK. The information you have submitted is confirmed, not confirmed. We appreciate any and all reports from outside the Anchorage area. For your information, KYAK's towers are oriented due North and South (true) and we radiate approximately 11,000 watts South and 50,000 watts North with a transmitter power of 25,000 watts. Pattern nulls are at 115° and 245° true from Anchorage. Should you ever be in Anchorage, please drop in and visit our facilities.

Date 11-21-71 Signed _____

THE BRITISH GUIANA UNITED BROADCASTING COMPANY LIMITED

GEORGETOWN BRITISH GUIANA



660 Kc/s 10 Kilowatts


Z F Y

RADIO DEMERARA

WE THANK YOU FOR YOUR REPORT DATED 23th Sept., 1959 on 660 kc/s (20/1/58) WHICH WE ARE PLEASED TO CONFIRM

RADIO INTERNACIONAL LA VOZ DE LA VICTOR

625 - 9615 Kcs. Banda 31 M.
SAN JOSE. COSTA RICA



TARJETA DE VERIFICACION

Confirmamos su recepción de

Fecha 19 de Diciembre de 19 67.

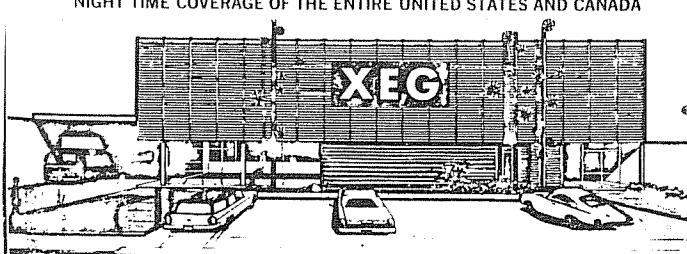
nuestra Emisora TIRICA con 50,000 watos de potencia, en la frecuencia de 625 kilociclos la que está correcta y conforme a la programación de ese día.

Affmos.

Olivia M. Mora

Transmitter Monterrey, Mex. **XEG** Mailing Address, Fort Worth 11, Texas

NIGHT TIME COVERAGE OF THE ENTIRE UNITED STATES AND CANADA



New home of XEG — the 100,000 watt clear channel Gospel Station. Conveniently located downtown Monterrey, the staff invites you and your friends to visit us on your next trip to Mr

day and we went up 3/21 and he gave us a list of names on tape. At WGIR Manchester we copied a list. At WLLH Lowell, they weren't award of any list, and in Fitchburg we found the WEIM antennas but couldn't find the studios or offices! (Sent to HQ with a list of names. Ed)

~~~~~  
 Editor: John Zondlo  
 ~~~~~  
central dx forum
 ~~~~~

**ATTENTION!!**

Henceforth, til further notice, please send all copy for CDXF to me at 6617 Maryland, Hammond, IN 46323 - jz.

Al Ogrizovich-3836 Sleepy Hollow Ln.--Fort Wayne, IN 46804

Hi gang! Well, was great to see old Tom McCormack again and meet Jim Pogue. I must admit there are two promoters of the hobby. We need more of them. Come on gang, let's all get jobs at non-verifiers! Speaking of veries: v/l WZZM, WAWR, WPOS, WQVO, WBBG. V/q WROE, WBE.. The letters were all PW (sinner). Verie signers will be in the list for all unlisted veries in this report. Also speaking of veries: How long does it take to get ZMS verified? It's been about 5 months! Also, Cathy Woodruff or Randy L.- get your darn educational WOSU to verify! Sent two reports and nothing. Hope all you caught the WGL PoP test of 4/21. CE said best night for him to do it. Hopefully I will talk the gang into letting me do one this winter. Well, that's about it. Take care and will the static drive you up the wall before it does me? Find out in the next issue of IRCA.

Karl Forth-630 S. Ardmore-Villa Park, IL 60181  
 (Continued from 4/20 DXM-jz) One goal I've set for myself is to log 100 new stations between mid-March and 1 September. I also plan to send the usual summer follow-ups to non-verifiers over the past three seasons. Looks like the tape referendum passed, so I agree that tapes are equal to written veries in some ways. They still are different in others though, and should not be combined in contests, etc. How about "separate .....but equal". 73 and Good DX.

Mike Plumb-602 E. Patton St.--Papillion, NE 68046

Hi again. It has been a long time since I have been in these pages. Latest veries: WBAP WHAS WNAQ WCCO, all v/q; v/l KLEU KOAK & GM. Current totals now 32 heard/32 verified. Latest news is that I have bought a new receiver, a Realistic DX-160 five band rx. Also obtained a 40" square loop from a former BCB (now SWL) DXer Marvin E. Robbins. The loop and the new rx sure make a big difference over what I have used previously. I would also like to thank everyone who has written to me in the past. Don't know what we greenhorns would do without you guys out there. Till next time, 73's and GOOD DX.

Philip Boersma-15570 Cleveland St.--Spring Lake, MI 49456

Back again. Thnx Gene Martin for clearing up some of my confusion regarding the clear channels. Veries: v/q- KOAL, WLBW+CM, KOB. V/L- WPAR, WBAM+CR. I am interested in seeing if there are any IRCA members in western Michigan, so any of you west Mich. members out there, please contact me. I'd like to meet any area members. For you phone freaks out there (whether you live in west Mich. or not), I can be reached at (616) 842-1732, between 5:30p.m. and 10p.m. EDT every nite except Saturday and Sunday. I'm not really into taping, but if you're DYING to hear a sample of WGIR's programming (hi) or some other station in my area, I'll record it for you-- provided you supply the tape. Cassettes only. 73s

Mike Hogan-4811 Euclid Ave.--East Chicago, IN 46312

Hello again DXers. I'm pleased to report I've just sent my renewal in and I'll be starting my 3rd year in IRCA. This time I will be receiving the DXM by airmail. My DXing has continued to keep up with a station a day pace. It's about 10AM here on 4/20, the 110 day of the year, and I've just log-

ged my 111th station for the year. I also just completed re-writing my log into a new notebook, something I can only stand to do every other year. Does anybody know if there will be an IRCA list of network stations for the baseball teams? I've checked at 3 local libraries so far and none of them even have the address of any of the pro baseball teams in the baseball reference books! So I'm trying to compile my own list of stations. Totals now are 429/82--39/23--7/1--10/4. I welcome all letters and tapersponders with cassette recorders. 73's and good DXing.

Mike Heppe-Box 7-Houston, MS 38851

I guess it's time for a re-intro. I'm 20, foreman of shipping at a local factory, which does not help in my major in electrical engineering. My rxs are Hammarlund SP-600-JX Super Pro, Heathkit GR-54, Hallicrafter S-120, plus antiques: Grunow 1935, RCA, Zenith, Crosley, Emerson and Majestic. I have discovered a great antenna. Use your electric blanket coils, but be sure that it is unplugged. I have been building an antenna farm. Current construction is a rhombic for ECE. I have a good source of wire, so far over 1 1/2 miles of it. Anybody got any suggestions about antennas? I talked to W.T. Childers in Carbon Hill, Alabama for over an hour. I got my phone bill (hi) \$6.85. Welcome to all new members. Notice to all new members- if I can help you in any way, please let me know. Does anybody need any antique tubes? I have a few. Please let me know.

John Zondlo-Shales Hall Box 120-Muncie, IN 47306

Greetings. Please note the announcement on the top of CDXF. I'll be back in Hammond on the 18th of May for the duration of the summer vacation. Looks like this will be the last CDXF I'll type from beloved (?) Shales Hall. I'll be back in Muncie next winter, but hopefully somewhere off campus. An un-DXful year like this one can be nerve-racking, hi. I'll be glad to get back into the DX scene this summer, regardless of static. Summertime is still great for the BCB!!! IN 7...

~~~~~  
 Editor: Michael G. Worst,
 3608 Phinney N.,
 Seattle, WA 98103
 ~~~~~

**western****dx forum**

Deadline Thursdays, 5-16, 5-30, 6-27.

Mel Hickman, 7409 S.E. 82nd, Portland, OR 97266

After getting married and moving to the city of roses, I am slowly getting back into the listening hobby. Things are still up in the air as I am still hunting a job, but, hopefully, that will take care of itself in the next few weeks. Had to stop SC'ing and tapersponding with the hub-bub before the knot-tying and would like to start again, so those of you out there that do, feel free to drop me a line. KVAN has been acquired by the New Broadcasting Corporation as of April 1, 1974. Individual members of NBC also own KZEN-FM, KZON, and KXFM. Look for a change in programming with the emphasis on jazz and a directional north-south antenna pattern. KOIN has gone AN with a silent period 0300-0600 ELT Saturday morning. Not much else to say other than to invite any listeners in the area to drop in or give me a call (503-771-7012). Best wishes until next time.

Brian M. Scully, 1301 Wardman Drive, Brea, CA 92621

Only verie since last report was a nifty v/l and CM from KAAP-1400 (ex-KQIQ). Used blue stationery which I have never encountered before in getting a verie. V/s W.F. Dawson, CE, who sez he enjoys getting reports. KBON recently got an OK to designate themselves a twin-city station (San Bernardino - Riverside) on radio although they are licensed to S.B. only. They had to go to the FCC because of an argument with some local group. FCC said it wasn't a controversial issue of public importance. The FCC finally did something right, hi! KBON, by the way, is the latest addition to the Dodger Radio Network. Glad to see that the latest financial report sez we are making money. Perhaps one of these days we will be able to afford regular photo pages. Even if you don't DX regularly you still can support WDXF!!! So long for now. 73's and Dodgers in '74.

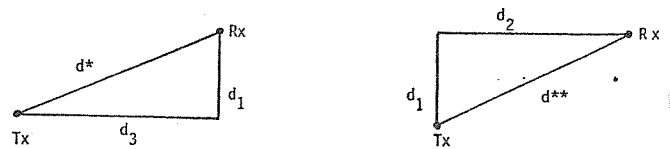
Bill Hardy, 2301 Pacific Ave., Aberdeen, WA 98520

Since this will be the last DXF from Bill Hardy the bachelor, I've taken the liberty of listing my "married" add-

ress, effective May 18th, above. I'll still be getting mail at 303 W. 10th St. though, as my parents will continue to live there for a long time. I FINALLY HEARD ALASKA! Sunday morning, 4/14, at 0316 EDT (0716 GMT) I turned on the rx and thought WSB was on 750, ruining my chances for KFQD again, but it looped at a different angle than usual, and when they started giving wx with "lows in the 30's and highs in the 40's" I got suspicious! A "more music, KFQD" jingle followed. Nancy was in the kitchen and I'm sure she thought I'd had a heart attack. So she came running in and listened, but as usual, KFQD faded down during announcements. A little local line noise didn't help either. When ID came up at 0330, all we could hear was "The World Tomorrow!" intro, so we went to other frequencies and came back at 0400, when Nancy got her definite ID and news intro. Nancy's still one state ahead of me, as she heard WRIN-1560 s/on and I didn't. KFQD was in the next night without WSB on, but hasn't been heard since. I guess cx really have to be favorable, and it was mostly clear between here and Alaska the morning of 4/14. Tried for Yukon on 570 and 610, but no dice. 73, and SEATTLE '74!

10

Define d\* and d\*\* as follows:



Since these are taken to be right triangles, from the Pythagorean Theorem we have:

$$d^* = \text{SQRT}(d_1^2 + d_3^2) \quad \text{and} \quad d^{**} = \text{SQRT}(d_1^2 + d_2^2)$$

where SQRT denotes the square root function. Also note that, as shown, the approximation d\*\* is less than the approximation d\* since d2 is less than d3 (in the Northern Hemisphere). From above we can write:

$$d_1 = 69(A^0 - D^0); \quad d_2 = 69(B^0 - E^0)\text{COS}(A^0); \quad d_3 = 69(B^0 - E^0)\text{COS}(D^0)$$

miles. We define a better approximation to D than d\* or d\*\*, namely:

$$d = (69)\text{SQRT} \left[ (A^0 - D^0)^2 + \left[ (B^0 - E^0)\text{COS}(L^0) \right]^2 \right] \quad \dots \text{ miles}$$

where  $L^0 = \frac{1}{2}(A^0 + D^0)$ .

Note that from the right triangles above and the Pythagorean Theorem:

$$d^* = (69)\text{SQRT} \left( (A^0 - D^0)^2 + ((B^0 - E^0)\text{COS}(D^0))^2 \right) \quad \dots \text{ miles}$$

$$d^{**} = (69)\text{SQRT} \left( (A^0 - D^0)^2 + ((B^0 - E^0)\text{COS}(A^0))^2 \right) \quad \dots \text{ miles}$$

An examples of calculations for d and d\*\*: Rx @ South Bend, IN with  $(A^0, B^0) = (41.62^0, 86.22^0)$  and Tx @ Jackson, MI with  $(D^0, E^0) = (42.18^0, 84.43^0)$ . Then:

$$\begin{aligned} d &= (69)\text{SQRT} \left( (41.62 - 42.18)^2 + ((86.22 - 84.43)\text{COS}(\frac{1}{2}(41.62^0 + 42.18^0)))^2 \right) \\ &= (69)\text{SQRT} \left( (-0.56)^2 + ((1.79\text{COS}(41.90^0))^2) \right) \\ &= (69)\text{SQRT} \left( (0.31360) + ((1.79)(0.74431))^2 \right) \\ &= (69)\text{SQRT} \left( (0.31360) + (1.33232)^2 \right) = (69)\text{SQRT} \left( (0.31360) + (1.77508) \right) \\ &= (69)\text{SQRT} (2.08868) = (69)(1.44523) = 99.72 \text{ miles.} \\ d^{**} &= (69)\text{SQRT} \left( (-0.56)^2 + ((1.79)\text{COS}(41.62^0))^2 \right) \\ &= (69)\text{SQRT} \left( (0.31360) + ((1.79)(0.74757))^2 \right) = (69)\text{SQRT} (0.3136 + 1.79063) \\ &= (69)(1.45060) = 100.09 \text{ miles.} \end{aligned}$$

The actual great circle distance: 99.80 miles.

We now show by examples the kind of accuracy that d, d\*, d\*\* give with respect to the actual distance D. It will be noted that if  $D \leq 750$  miles or so, that d\*\* can be used without much error which allows  $\text{COS}(A^0)$  to be computed once and for all and is thus a constant in all calculations.

EXAMPLES

Rx location is taken to be Louisville, KY: Latitude:  $38.19^0\text{N}$ , Longitude:  $85.52^0\text{W}$  so that  $A^0 = 38.19$ ,  $B^0 = 85.52$ , and for d\*\*,  $\text{COS}(A^0) = \text{COS}(38.19^0) = 0.78595$  or  $0.786$ .

| Tx: Station | Latitude: $D^0$ | Longitude: $E^0$ | D       | d      | d*     | d**    |
|-------------|-----------------|------------------|---------|--------|--------|--------|
| C64KFI      | 33.88           | 118.01           | 1892.12 | 1837.1 | 1884.8 | 1786.9 |
| C65KORL     | 21.30           | 157.86           | 4382.93 | 4487.8 | 4794.3 | 4092.6 |
| C65HSM      | 36.00           | 86.79            | 166.63  | 166.5  | 166.9  | 166.1  |
| C66KFAF     | 64.87           | 147.82           | 3063.82 | 3246.6 | 2592.6 | 3847.6 |
| C70NLW      | 39.35           | 84.33            | 102.58  | 102.5  | 102.2  | 102.8  |
| C71KIRO     | 47.40           | 122.44           | 1954.80 | 1974.4 | 1837.7 | 2100.7 |
| C72WGH      | 42.01           | 88.04            | 295.46  | 295.2  | 293.5  | 296.9  |
| C76WJR      | 42.17           | 83.22            | 300.42  | 300.2  | 298.7  | 301.6  |
| C82WBAP     | 32.94           | 96.99            | 738.54  | 738.7  | 756.6  | 719.3  |
| C88WCBS     | 40.86           | 73.99            | 640.71  | 640.7  | 629.3  | 651.9  |
| C88KRVN     | 40.52           | 99.39            | 757.06  | 757.3  | 745.1  | 769.2  |
| C102KDKA    | 40.56           | 79.95            | 339.32  | 339.1  | 334.7  | 343.5  |
| C112KNOX    | 38.72           | 90.05            | 247.68  | 247.5  | 246.6  | 248.4  |
| C118KOFI    | 48.20           | 114.25           | 1590.59 | 1605.9 | 1490.9 | 1704.3 |
| R137WDEF    | 35.04           | 85.34            | 217.77  | 217.6  | 217.6  | 217.6  |
| R160WKF     | 24.58           | 81.73            | 965.84  | 965.3  | 968.7  | 961.3  |

so for D on the order of 1000 miles, the approximation d is "pretty good".

----- de Ghoti, Ph.Dx

EASY DX CALCULATIONS ----- de Ghoti, Ph.Dx

A number of articles have appeared in past bulletins explaining how to compute the great circle distance between two points on the Earth's surface; for example, the distance between a BCB station and a DXer's location.

Presented here is a simple equation whose accuracy is basically "good" for much of the work of a BCB DXer -- especially the Domestic DXer. It is simple in that it requires little effort to compute. Without explaining in detail the error analysis of the equation with respect to those for calculating the great circle path, a brief description of its background derivation and some examples will be given.

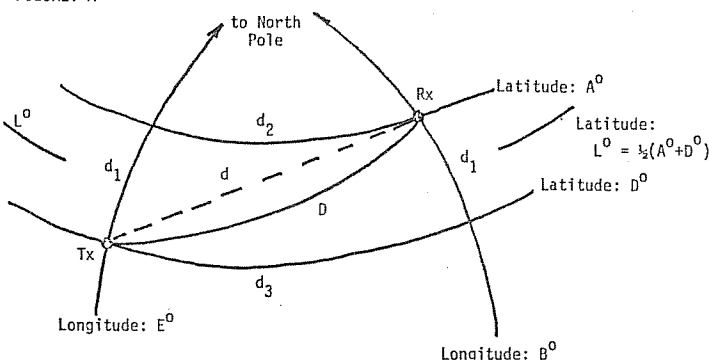
First, the mean value of the radius of the Earth is about 3957 statute miles. This means the circumference of an Earth great circle is equal to  $2\pi(3957)$  or 24862.56 miles. Every great circle can be divided into 360 one-degree arcs, so that each degree on a great circle of the Earth corresponds to  $24862.56/360$  miles or 69.06 miles/degree. If we reduce this (for computational convenience) to an "even" 69.0 miles/degree, the Earth's radius would be reduced to 3953.41 miles or a reduction of 0.09% which will be taken as acceptable for this development. To recap: We assume each degree of an arc on a great circle of the Earth corresponds to a distance of 69.0 statute miles on the Earth's surface.

Second, a circle of longitude is a great circle of the Earth passing through both the North and South Geographic Poles. Thus, there are 69 miles for every degree on longitude circles.

Third, a circle of latitude on the Earth is not a great circle, save for the  $0^0$  latitude circle which corresponds to the Equator. The radius of a circle of latitude whose latitude is  $L^0$  is equal to:  $(R)\text{COS}(L^0)$  where R is the Earth's radius. The circumference of such a circle of latitude  $L^0$  is then  $(2\pi R)(\text{COS}(L^0))$  miles and there are  $(2\pi R)(\text{COS}(L^0))/360$  miles per degree on such a latitude circle. But,  $(2\pi R)(\text{COS}(L^0))/360$  is equal to  $(2\pi R/360)(\text{COS}(L^0))$  and since  $(2\pi R/360)$  equals 69 (see above), we have  $(69)(\text{COS}(L^0))$  miles per degree of latitude on such a circle. Since latitude satisfies the inequality:  $-90^0 \leq L^0 \leq +90^0$ , we have the inequality:  $0 \leq \text{COS}(L^0) \leq 1.0$  so that the number of miles per degree of a latitude circle will be less than 69, except for the Equator,  $L^0 = 0^0$ , where there are 69 miles/degree.

Fourth, let Rx(receiver) and Tx(transmitter) be two points on the Earth's surface whose coordinates (Latitude $^0$ , Longitude $^0$ ) are  $(A^0, B^0)$  and  $(D^0, E^0)$ , respectively. Thus, diagrammatically (in the Northern Hemisphere) we have Figure A, below, where D is the great circle distance between Rx and Tx;  $d_1$  is the distance measured along longitude circles  $B^0$  and  $E^0$  between latitude circles  $A^0$  and  $D^0$ ;  $d_2$  is the distance measured along latitude circle  $A^0$  between longitudes  $B^0$  and  $E^0$ . d is the approximation (computed below) we shall take for the actual distance D. Define:  $L^0 = 0.5(A^0 + D^0)$ . This corresponds to the latitude circle midway between latitudes  $A^0$  and  $D^0$  (which is indicated in the above diagram). Note that  $d_2$ , in the diagram, being higher in latitude, closer to the North Pole, is  $d_2$  less than  $d_3$ .

FIGURE: A



**CAN YOU ?**  
**IDENTIFY THE**  
**WDAE**  
**MYSTERY VOICE?**  
**\$ WIN CASH \$**  
 Listen For The Voice Daily On  
 1250 Radlo. The Jackpot Gets ...  
**BIGGER AND BIGGER** **1250**  
 HEAR CBS MYSTERY THEATRE -- NIGHTLY 10:07

# DX RECORDS

May 4, 1974

" The Seattle convention is only about two months away so start making your plans now. Hope to see you there. 73 and Good DX.

Bruce Portzer - 14056 5th Avenue South - Seattle, WA 98168

## FOREIGN VERIFIED RECORDS

Name, Location CV TV TFF NA SA EU AS AF OC YR  
 Best N.America Best S. America  
 The funny combinations of letters stand for countries verified, total verifications, total foreign veries, number of veries from N.America, S.America, Europe, Asia, Africa, & Oceania. YR is year began DXing. \* after your name means please update if you want to remain listed.

| Name, Location             | CV  | TV   | TFF | NA  | SA  | EU  | AS | AF | OC | YR |
|----------------------------|-----|------|-----|-----|-----|-----|----|----|----|----|
| 1. David Thomas, Ohio      | 140 | 4350 | 350 |     |     |     |    |    |    | 26 |
| 2. C.M. Stanbury, Ont.     | 116 | 1370 | 472 | 203 | 73  | 116 | 7  | 25 | 47 | 51 |
| 3. Larry Godwin, Colo.     | 63  | 1250 | 372 | 139 | 152 | 18  | 13 | 2  | 48 | 57 |
| 4. Bill Willis, Calif. *   | 55  | 952  | 135 | 39  | 20  | 17  | 34 | 1  | 18 | 60 |
| 5. Angel Garcia, N.Y. *    | 50  | 341  | 109 | 44  | 17  | 42  |    | 6  |    | 64 |
| 6. Art Peterson, Calif.    | 46  | 149  | 91  | 48  | 14  | 2   | 15 |    | 12 | 60 |
| 7. Bill Raczeko, Ohio      | 44  | 254  | 71  | 38  | 13  | 16  |    | 3  | 1  | 65 |
| 8. Jim Poterba, Pa. *      | 28  | 648  | 41  | 19  | 11  | 8   |    | 2  | 1  | 71 |
| 9. Joe Fela, N.J.          | 26  | 870  | 38  | 19  | 4   | 13  |    | 1  |    | 61 |
| 10. Bruce Portzer, Wash.   | 25  | 525  | 62  | 28  | 3   | 1   | 12 |    | 18 | 64 |
| 11. Quentin Brown, Ont.    | 25  | 342  | 47  | 28  | 11  | 8   |    |    |    | 68 |
| 12. Frank Wheeler, Pa.     | 24  | 1640 | 70  | 62  | 7   |     |    |    | 2  | 31 |
| 13. David Rogers, Okla.    | 24  | 561  | 41  | 28  | 6   | 2   | 1  |    | 4  | 62 |
| 14. Ernie Wesolowski, Neb. | 22  | 1405 | 55  | 42  | 4   |     | 1  | 1  | 7  | 58 |
| 15. Larry Abraham, Mich.   | 22  | 499  | 43  | 24  | 17  | 1   |    |    | 1  | 60 |
| 16. Bob Neal, Calif.       | 22  | 148  | 55  | 34  | 10  |     | 2  | 1  | 8  | 67 |
| 17. George Jensen, Mi.     | 20  | 441  | 33  | 24  | 7   | 2   |    |    |    | 71 |
| 18. Randy Minnehan, Ohio * | 17  | 157  | 20  | 12  | 4   | 4   |    |    |    | 70 |
| 19. Melville Coffin, B.C.  | 16  | 201  | 28  | 7   | 1   |     | 8  |    | 12 | 69 |
| 20. Eric Floden, Ont.      | 16  | 93   | 23  | 20  | 3   |     |    |    |    | 67 |
| 21. Elliot Strauss, N.J. * | 15  | 385  | 55  |     |     |     |    |    |    | 64 |
| 22. Richard T. Eddie, Mo.  | 14  | 680  | 16  | 12  | 3   |     |    |    | 1  | 67 |
| 23. Ken Horne, B.C.        | 14  | 445  | 33  | 18  | 1   |     | 5  |    | 9  | 68 |
| 24. Mike Hardester, Cal.   | 12  | 363  | 28  | 17  | 2   |     | 5  |    | 5  | 68 |
| 25. Morris Sorenson, Ont.  | 8   | 403  | 10  | 9   | 1   |     |    |    |    | 64 |
| 26. Jeff Brasier, Calif.   | 8   | 262  | 11  | 8   | 2   |     | 2  |    | 3  | 72 |
| 27. Derek Ford, B.C.       | 8   | 193  | 12  | 6   | 1   |     | 3  |    | 2  |    |
| 28. John C. Keleher, Ind.  | 7   | 185  | 8   | 5   | 2   |     | 1  |    |    |    |
| 29. Phil Bytheway, Wash.   | 6   | 363  | 10  | 5   |     |     |    |    | 5  | 68 |
| 30. Tim Saltmarsh, N.H. *  | 6   | 220  | 8   | 5   | 3   |     |    |    |    | 71 |
| 31. Fred Hendricks, Ill.   | 5   | 395  | 9   | 8   | 1   |     |    |    |    | 70 |
| 32. Howard Meyerson, Mo.   | 5   | 344  | 7   | 6   | 1   |     |    |    |    | 72 |
| 33. Greg Hall, N.C.        | 5   | 145  | 3   | 2   | 1   |     |    |    |    | 58 |
| 34. Thomas White, Va.      | 5   | 109  | 3   | 3   |     |     |    |    |    | 68 |
| 35. John Johnson, Mont.    | 4   | 620  | 8   | 5   |     |     |    |    | 3  | 62 |
| 36. Mark L. Fisher, Ind.   | 3   | 72   | 1   |     | 1   |     |    |    |    | 72 |
| 37. Gregory Steele, Ill.   | 3   | 32   | 1   |     | 1   |     |    |    |    | 71 |

That does it for now. See an upcoming DX Records to find out what'll appear next. I'm not even sure myself at the moment, hi.

## DOMESTIC HEARD RECORDS

Bruce Portzer - 14056 5th Avenue South - Seattle, WA 98168

Name, Location TDH SHd PH MD MN SC YR  
 Maryland Minnesota S. Carolina  
 The funny letters stand for total domestics heard (U.S.+Canada) states heard (d=D. of C. has been heard), provinces heard, number of veries from Md., Minn., & S.C., and year began DXing. \* means it's time to update if you want to remain listed.

| Name, Location               | TDH  | SHd | PH | MD | MN | SC | YR |
|------------------------------|------|-----|----|----|----|----|----|
| 1. David Thomas, Ohio        | 4000 | 50d | 12 |    |    |    | 23 |
| 2. Frank Wheeler, Pa.        | 2607 | 50d | 9  | 30 | 31 | 42 | 30 |
| 3. Tom McCormack, Ind.       | 2222 | 50d | 8  |    |    |    |    |
| 4. Ernie Wesolowski, Nebr.   | 1586 | 47d | 9  | 7  | 59 | 24 | 58 |
| 5. Charles Hrinko, N.J. *    | 1480 | 45d | 8  | 44 | 10 | 43 |    |
| 6. Brian Cartwright, Pa.     | 1372 | 47d | 8  | 32 | 7  | 35 | 70 |
| 7. Jim Poterba, Penna. *     | 1129 | 48d | 9  | 37 | 4  | 24 | 71 |
| 8. Robert Kramer, Ill.       | 1140 | 47d | 8  | 12 | 28 | 15 | 70 |
| 9. Larry Abraham, Mich. *    | 1068 | 47d | 9  | 9  | 20 | 13 | 60 |
| 10. Richard T. Eddie, Mo.    | 1055 | 48d | 6  | 3  | 18 | 8  | 67 |
| 11. Karl Forth, Ill.         | 1037 | 45  | 8  |    |    |    | 70 |
| 12. Bruce Portzer, Wash.     | 1031 | 44  | 7  | 2  | 11 | 3  | 64 |
| 13. Ralph Kemper, Colo.      | 988  | 41  | 7  |    | 24 | 1  | 68 |
| 14. Bill Raczeko, Ohio       | 985  | 48d | 10 | 15 | 10 | 19 | 65 |
| 15. Raymond Arruda, Mass     | 882  | 44d | 8  | 22 | 3  | 14 | 63 |
| 16. John C. Johnson, Mont.   | 822  | 43  | 7  | 1  | 26 | 1  | 60 |
| 17. Jeff Hodge, N.Y. *       | 786  | 47d | 9  | 19 | 10 | 11 | 70 |
| 18. Phil Bytheway, Wash.     | 751  | 40  | 6  |    | 6  |    | 68 |
| 19. George Greene, Ohio      | 699  | 45d | 7  | 11 | 6  | 11 | 60 |
| 20. Joe Markewicz, Man.      | 597  | 42  | 8  |    | 58 |    |    |
| 21. Fred Hendricks, Ill.     | 662  | 40d | 6  | 2  | 9  | 12 | 70 |
| 22. Allen Napier, Fla.       | 579  | 34d | 5  | 3  | 1  | 19 | 68 |
| 23. Thomas White, Va.        | 568  | 35d | 4  | 37 | 2  | 13 | 68 |
| 24. Jim Meyerson, Mo.        | 568  | 35d | 4  | 2  | 9  | 7  | 72 |
| 25. Bob Neal, Calif.         | 549  | 42  | 5  | 1  | 3  | 2  |    |
| 26. James L. Pitts, Calif.   | 543  | 33  | 5  |    | 2  |    | 70 |
| 27. Michel Breger, Texas     | 519  | 40  | 6  |    | 4  | 4  | 70 |
| 28. Jim Boyd, Okla. *        | 514  | 39  | 6  | 1  | 8  | 4  | 70 |
| 29. Ken Horne, B.C.          | 513  | 38  | 6  |    | 5  |    | 68 |
| 30. George Jensen, Mi.       | 513  | 37d | 7  | 44 | 3  | 10 | 52 |
| 31. Darryl Belanger, Man.    | 509  | 39  | 7  |    | 33 |    | 63 |
| 32. Gregg Allinson, N.C. *   | 499  | 41d | 6  |    | 1  |    | 71 |
| 33. Ron Hayter, B.C.         | 498  | 38  | 6  |    | 5  |    | 69 |
| 34. Howard Meyerson, Mo.     | 495  | 36d | 5  |    | 10 | 6  | 72 |
| 35. Bill Hardy, Wash.        | 494  | 35  | 5  |    | 3  |    | 60 |
| 36. Bill Putney, N.J.        | 493  | 38d | 7  | 25 | 3  | 12 | 56 |
| 37. Jeff Brasier, Calif.     | 434  | 38  | 5  |    | 2  |    | 72 |
| 38. Michael Hogan, Ind.      | 403  | 39  | 7  | 3  | 2  | 4  | 69 |
| 39. Randy Minnehan, Ohio     | 392  | 45d | 6  | 3  | 2  | 3  | 70 |
| 40. Eric Floden, Ont.        | 361  | 39d | 8  | 6  | 2  | 4  |    |
| 41. Lowell R. Pankake, Minn. | 338  | 33  | 5  |    | 64 |    | 70 |

|                                |     |     |   |   |   |   |    |
|--------------------------------|-----|-----|---|---|---|---|----|
| 42. Mike Hardester, Calif.     | 336 | 40  | 5 | 1 | 2 | 1 | 68 |
| 43. Nancy Gantzer, Wash.       | 333 | 36  | 5 | - | 1 | - | 69 |
| 44. Jay Florian, Ill.          | 314 | 36  | 4 | 1 | 4 | 4 | 73 |
| 45. Derek Ford, B.C.           | 291 | 33  | 5 | - | 2 | - | 72 |
| 46. Jon Orren, Wash. *         | 268 | 34  | 5 | - | 2 | 1 | 68 |
| 47. Richard Shaftan, N.Y.      | 231 | 35d | 6 | 5 | 1 | 2 | 72 |
| 48. Martin Vankuilenburg, Que. | 196 | 39  | 9 | - | - | - | 71 |
| 49. James C. Reda, Pa.         | 192 | 30d | 4 | 6 | 1 | 2 | 63 |
| 50. Bernard Myer, N.S.         | 168 | 29d | 6 | 6 | 1 | - | 72 |
| 51. Paul Mount, N.J.           | 168 | 26d | 4 | 3 | 1 | 1 | 70 |
| 52. George Kestevan, Alta.     | 133 | 29  | 4 | - | 2 | - | 70 |
| 53. Al Ogrizovich, Ind.        | 126 | 24  | 1 | - | 1 | - | 69 |
| 54. Mark L. Fisher, Ind. *     | 87  | 26  | 3 | - | - | - | 72 |
| 55. Mike Plumb, Nebr.          | 26  |     |   |   |   |   | 71 |

We now conclude another DX Records. DX Records is a division of the IRCA and operates on a frequency of every now and then by the authority of the Bruce Portzer Commission in Seattle, Washington. We will return in another month or two. Until then, 73 and good DX. Ladies and Gentlemen, our National Anthem. Ohhhh say can you see by the dawns early light.....

## Reagan hurls old radio pitch

DES MOINES (AP) — Former sportscaster Dutch Reagan hasn't lost his broadcasting touch, according to his fans here.

He's better known now as California Gov. Regan, but last night, he provided a live instant replay of an earlier part of his career.

Reagan rattled off imaginary sports plays as he was welcomed as hometown boy-made-good at the 50th anniversary celebration of radio station WHO where he broke in as a sportscaster in 1933.

With Reagan for the ceremonies was former WHO colleague Ed Reimers, better known as the silver-haired man who cups his outstretched hands during Allstate insurance commercials.

In the old days, Reimers would declare for listeners throughout heartland America: "Chicago Cubs baseball is on the air ... and here's Dutch!"

Their secret was that Dutch, who left his nickname behind in Iowa and his native Illinois, wasn't even in the ballpark, but in the same Des Moines studio

with Reimers. In accepted practice of that day, Reagan recreated the drama of the game from cryptic telegraphic reports.

Totally unabashed, Reagan told newsmen yesterday that he used to use his imagination to spice up a dull game.

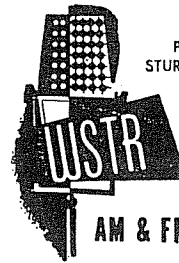
For example, he said all he might know is the batter grounded out, second baseman to first. But "you're not going to sell many Wheaties" with that, Reagan said.

"It might have been the easiest roller in the world and the batter thrown out by 20 yards. If you needed a little excitement, you'd put it in there."

To show how it was done, Reagan offered his spiel:

"There goes a hard-hit ground ball ... second baseman going over ... makes a one-hand stab ... comes up almost falling down ... throws just in time for the out!"

The demands of that red "On The Air" light 40 years ago helped him when he entered the real-life game of politics, the Republican executive said.



P. O. BOX 70  
STURGIS, MICHIGAN  
49091

### Murray (the K) Leaving Weekend Radio Shows

Murray (the K) Kaufman, who was one of the city's most prominent disk jockeys in his heyday in the nineteen-fifties and sixties announced on radio station WNBC last night that his regular weekend shows were being discontinued.

Mr. Kaufman said he was leaving the station because of its plans for a stricter programming format.

"They want to tell me when to play the Top 30, the Top 10, and when to play a gold," he said after going off the air. "That radio is not for me, not for today. My communication is being able to play the music and being able to put it together."

Mr. Kaufman, who had been one of the major disk jockeys on WJNS before it became an all-news station, joined WNBC-AM in July, 1972. In the late nineteen-sixties he was on WOR-FM when it first adopted a rock music format.

# WYLO 54 ON YOUR RADIO DIAL COUNTRY & WESTERN

**TORONTO**

0.5 MW/M

0.1 MW/M

**BROCKPORT-ROCHESTER AREA DATA:**

IN 0.5 MW/M RANGE

POPULATION — 83,000 (800,000 in 0.5 MW/M RANGE)

HOUSEHOLDS — 21,000

CONSUMER SPENDABLE INCOME PER HOUSEHOLD — \$12,385.00

**WADD COVERS —**

- FOUR COUNTIES
- TWO MAJOR STATE PARKS
- NINE COLLEGES

**HAMLIN BEACH STATE PARK**  
Rochester's most popular beach front.

**Lake Ontario**

**Rochester**

**Buffalo**

**NIAGARA FALLS**

**CANADA**

**Lake Erie**

**WADD**

**1560 kc**

**ONE-THOUSAND WATTS**

**Brockport, New York**

**WYOMING**

**GENESEE**

**NEW YORK THRUWAY**

**LETCWORTH STATE PARK**  
"Grand Canyon of the East"

**WADD RADIO**

P.O. Box 337

BROCKPORT, NEW YORK

14420

Location: 6675 4th Section Road  
Brockport, N. Y.  
Rt 19, 31, +31A

Phone:  
(716) - 637-3930

# Verification Signers

13

May 4, 1974

Dave Schmidt

Verification Signers, or the ones that make it possible.....

|       |                                    |                       |     |                                   |                               |        |                                     |                   |   |
|-------|------------------------------------|-----------------------|-----|-----------------------------------|-------------------------------|--------|-------------------------------------|-------------------|---|
| 540   | CBK q R. Dressler                  | OP                    | 780 | WBBO Patrick D. Nanney, PD        | E                             | WBEU   | Edward S. Borden, CE                | E                 |   |
|       | WDAK q Charles Skinner             | ACE                   |     | WAVA f Bill Ashley, CE            | FH                            | WPRP   | C. C. Crow (no foolin'!)            | E                 |   |
|       | WYLO Gary Timm                     | CF                    | 790 | WTAR Richard L. Lindell           | C                             | CRWS q | Bill Wallace                        | H                 |   |
|       | WGTO q Paul Titchenal, CE          | D                     |     | KGHL q Fred L. Bartlett, CE       | F                             | WRFC   | Paul D. Williams, CE                | K                 |   |
|       | " q David H. Schick, CE            | E                     |     | WEAN Joseph E. Drury              | H                             | KGKL   | Bill Poteet, CE                     | K                 |   |
|       | WLIX q C. Hubbard, CE              | J                     | 800 | CKLW q E. R. Buterbaugh, CE       | BQ                            | 970    | WCHS p Herbert W. Crosby, Stat. Mgr | D                 |   |
| 550   | KRAI f Royal R. Maxwell, CE        | A                     |     | WKEE Raydon R. Thompson, CE       | E                             | KJLT   | John Townsend, Pres.                | D                 |   |
|       | KOAC Robert C. Rinz, GM            | P                     |     | WTMR f Scott S. Horner, CE        | F                             | WJMX w | Frank A. Jenne, Tech. Dir.          | E                 |   |
|       | WGR Harold A. Higgins              | HJ                    |     | CJBQ J. B. Buchanan               | H                             | KREM   | J. Feldhausen, Tech. Supv.          | P                 |   |
|       | WGNG f Duane Burnham, CE           | J                     |     | CHAB q Norm Kent, Eng.            | Q                             | 980    | WAFP Phillip D. Brady, Mgr.         | B                 |   |
| 560   | WQAM m Ted Green                   | C                     | 810 | CJJC Joseph E. Chesney            | R                             | WSIX f | Richard H. Zeigler                  | C                 |   |
|       | KSFO f Charles H. Smith            | P                     |     | WEKJ Chuck Lynch, Oper. Mgr       | D                             | CKRM q | A. Duff                             | K                 |   |
|       | WIND q John D. Tollefson, Eng.     | Q                     |     | WAIT f Barbara Murphy             | D                             | KMBZ   | (Unreadable)                        | L                 |   |
|       | WFRB Ken Adams, Eng.               | E                     |     | WSJC q Thomas L. Cockrell         | D                             | 990    | WCAZ Jerry Nutt, Jr.                | CH                |   |
|       | WHBQ c Welton Roy                  | I                     |     | WJWP q (Unreadable)               | N                             | WNOX q | John R. Maples, CE                  | HM                |   |
| 570   | WVMI x Robert C. Thornton          | B                     |     | KCMO f Stuart L. Bowers, Oper Dir | Q                             | KNIN   | Eddie Bell, CE                      | M                 |   |
| + 560 | WCKL George Samsel                 | H                     | 820 | WBAP c Rupert Bogan               | EQ                            | KKIS f | Al Taddeo                           | P                 |   |
| 570   | WAAX q Michael H. McDougald        | C                     |     | WRUF q E. A. Slimak               | C                             | CEW q  | G. Paleshnink                       | Q                 |   |
|       | WKYX q (same as above, whos rite?) | M                     | 850 | WKIX c Floyd E. Houpt             | C                             | 1000   | WXIN Tommy Cothran, CE              | B                 |   |
|       | " u/u                              | N                     |     | WWJC John B. Talcott              | C                             | WKBP   | Bill Coleman (NRC n IRCA)           | E                 |   |
|       | 580                                | CKPR Debbie Volbracht |     | WHDH "Brownie" WJCJI              | E                             | WREM   | John Palumbo                        | H                 |   |
|       | WTAG E. A. Browning                | CQ                    | 860 | KTAC Bill Colglazier              | R                             | WCFL   | Jim Loupas                          | H                 |   |
|       | KVI Dick Velo, CE                  | N                     |     | KOSE w H. M. Jones, CE            | B                             | WKDE   | Ted J. Gray                         | H                 |   |
| 580   | KFXD x Daniel J. Hurlbert, CE      | P                     |     | WKKO x Rick Ryder                 | C                             | WIOO   | Curt Allen                          | H                 |   |
|       | KMJ Albert Schneider               | R                     |     | KOAM q Joe Patterson              | CK                            | KOMO q | Blande Perry, CE                    | P                 |   |
|       | KCMX Mel Tynan                     | R                     |     | KONO q W. A. Kiley CE             | D                             | 1010   | KLRA q Blande Perry, CE             | A                 |   |
| 590   | KSUB q Richard Gunn, CE            | A                     |     | WEVA Elton A. Short, Jr., CE      | E                             | CFRB q | C. Eastwood,                        | Q                 |   |
|       | KBHS w Carolyn Ellison,            | B                     |     | WFMO Bob Fee                      | E                             | 1020   | KGBS q D. R. Brager                 | Q                 |   |
|       | WKZO q F. Morse                    | CQ                    |     | WSBS Thomas P. Jaworski           | H                             | 1030   | KCTA Dennis Lindeman                | R                 |   |
|       | WJMS Larry Logemann, CE            | D                     |     | WOAY Don Moye                     | H                             | KTWO q | Donald L. Pech                      | C                 |   |
|       | CKEY William R. Onn                | H                     | 870 | " p R. R. Thomas                  | N                             | 1050   | WWGP James C. Patterson, CE         | E                 |   |
|       | WROW q Charles V. Henry CE         | J                     |     | WKAR Bill Winters                 | C                             | WHN q  | William P. Durkin, CE               | J                 |   |
|       | KUGN Ted G. Hicks                  | R                     |     | WHCU f Bob Denison                | HNo                           | CKSB   | Roland Brodeur                      | N                 |   |
|       | KID f Carroll R. Secrist, CE       | A                     |     | WWL q Kathleen Hayden             | Q                             | CJNB f | George W. Boucher                   | R                 |   |
| 600   | WTAC q Norman Perry                | C                     | 880 | WRFD Harry W. Jackson             | H                             | " w    | (Unreadable)                        | R                 |   |
|       | WVAR Randy Smith, PD               | K                     |     | WCBS q C. Adams                   | JQ                            | 1060   | KAMA Angel Rojas H.                 | DH                |   |
| 610   | KAVL Herbert L. Comstock, GM       | A                     |     | KRVN x Bob Bitner, CE             | M                             | WRMF   | Lou Josephs, Prod. Dir.             | D                 |   |
|       | WDAF f James P. Schmidt            | AC                    | 890 | WLS q Don Amell                   | CJQ                           | "      | Joe Buczynski                       | E                 |   |
|       | WIP q C. P. Dingate, CE            | J                     | 900 | CKBI F. F. Rawlinson, Mgr.        | A                             | WMAP c | M. Howard Baucom, CE                | E                 |   |
|       | CJCI Ron East                      | R                     |     | KGRB Doug Steele                  | A                             | WOIO   | Ronald D. Colaner                   | H                 |   |
| 620   | KTAR x Bill Green                  | CK                    |     | KFLP Evelyn Carroll               | F                             | KYW q  | Phyllis                             | J                 |   |
|       | WJDX q u/u                         | DN                    |     | WKKA Robert L. Dean, Sr., CE      | H                             | KLMO   | William G. Stewart, Mgr.            | M                 |   |
|       | WHEN Robert W. Ardner              | HK                    |     | WLSI Mike Paxton                  | H                             | "      | Bob Suarez                          | N                 |   |
|       | WVMT p Burtis W. Dean              | WINLO CE              |     | WBRV Edward J. Schnabl            | H                             | 1070   | WIBC q Bob Brockway                 | C                 |   |
|       | CKCK q H. C. Dean                  | Q                     |     | WOZK Howard Parrish, GM           | I                             | WFLI q | Joe Poteet                          | C                 |   |
| 630   | WACU H. Hoffman, CE                | B                     |     | KFAL w Bud Pratt, CE              | K                             | KNX q  | Ric Hammond                         | F                 |   |
|       | WMAL q M. R. MacPherson            | J                     |     | WFRO q Shelby H. Bristow, CE      | K                             | CHOK   | Karl E. Monk                        | H                 |   |
|       | CJET q Andre Bonneau               | J                     |     | WLSI c Georgia Ward, Pres.        | M                             | WKOK   | John W. Keller                      | H                 |   |
| 640   | KFI q Bernard Doval, CE            | LQ                    |     | CJBR Jean Archambault, GM         | N                             | WHYZ   | (Unsigned)                          | H                 |   |
| 650   | WSM q J. Thomas                    | JQ                    |     | 910                               | KLCN Richard Oldham, Annc.    | D      | WIBC q                              | Richard Smart, CE | J |
| 660   | KOWH Cecil Dewitt, CE              | AO                    |     | WOKK Robert K. Wall, CE           | D                             | WTSO f | Sherman Stern, CE                   | MQ                |   |
|       | WNBC q R. Weiss                    | Q                     |     | WDOR Edw. D. Allen, Jr., Pres.    | DN                            | CFAX   | Bob Calper                          | R                 |   |
| 670   | XETOR Julio Salas Rosales          | A                     |     | CKLY Raymond McMurray, Eng.       | D*K                           | 1080   | WJOE Jimmy Barnhill                 | C                 |   |
|       | KBOI James A. Johntz, Jr.          | P                     |     | WJCV Edward L. Bryant, CE         | G                             | WNWI   | D. E. Wiggins                       | C                 |   |
|       | WMAQ q Harold Whiteburg            | Q                     |     | WOKK w Robert K. Wall, CE         | G                             | WKGX   | Chuck Finley                        | H                 |   |
|       | 680                                | CFTR R. H. Turnpenney | CEH | WRCH q Greg Fortune               | H                             | "      | Mike Spargo                         | H                 |   |
|       | WRKO George J. Capalbo             | H                     |     | WOKY q Denis Christopherson, Eng  | Q                             | 1090   | WQIK Don Jones, CE                  | F                 |   |
|       | WDEC Robert Haslow                 | Q                     | 920 | KVEC Steve Berk, News Dir.        | A                             | KAAY   | Felix McDonald, CE                  | LQ                |   |
| 690   | WZAP John Faniola, CE              | CEG                   |     | KDHL q J. E. Hyde, CE             | E                             | WENR   | Mrs. Sue Kean, GM                   | N                 |   |
|       | WELD Edwin B. Allen, CE            | E                     |     | WGST q Milton C. Thurlow          | H                             | KNCR   | Karen Benedict                      | R                 |   |
|       | KUSD Dennis Haarsager              | K                     |     | WNEL f Jack Siegel                | H                             | 1100   | WLBB Jack L. Kirk, Sta. mgr.        | D                 |   |
|       | WVOK q James L. Ginn               | N                     |     | WJAR Philip Taylor                | H                             | WWWE q | John H. Battison, Eng.Mgr           | EQ                |   |
| 710   | CJRN f Gary Hooper, CE             | DFHN                  |     | CJCH Reg McCausland               | H                             | 1110   | WJML Glenn H. Casey                 | H                 |   |
|       | WOR q Orville J. Sather, CE        | J                     |     | WIRD James A. Lavalley            | H                             | KFAB q | John A. Bruna, CE                   | H                 |   |
|       | WDSM Carl G. Williams              | Q                     |     | WNNI William R. Mnich             | H                             | 1120   | WWOL Walter Williams                | Q                 |   |
| 720   | WGN q Woodrow R. Crane CE          | JQ                    |     | KGRL                              | R                             | KMOX q | Bob Gotsch                          | Q                 |   |
| 730   | WLIL Mrs. Joanne Greenway          | A                     | 930 | KYSS Chester M. Murphy            | A                             | 1130   | WNEW q Paul Champion CE             | AJ                |   |
|       | KWOA Steve Larson, CE              | A                     |     | KKIN Todd Rust, Eng.              | D                             | WCEX w |                                     | E                 |   |
|       | KLOE J. Darel Graves               | A                     |     | WIZR Edward K. Johnson, CE        | K                             | KWKH q | Frank Page, PD                      | M                 |   |
|       | WJMT Wayne H. Smith GM             | CN                    |     | 940                               | WCPC c J. B. Skelton, Jr., CE | D      | WDGY q                              |                   | N |
|       | CHIR q                             | E                     |     | KATQ w J. Bell, CE                | D                             | 1140   | KGEM                                | A                 |   |
|       | WPIK Robert W. Taliaferro          | FH                    |     | WMAZ q Bill Sowell                | IM                            | "      | Tom Hill, CE                        | A                 |   |
|       | WMNA q Lyle G. Motley, Mgr         | L                     |     | WCSW Charles R. Lutz              | K                             | KORC   | Ken Bullock, GM                     | A                 |   |
|       | CKDM q                             | P                     |     | WMIX q John A. Callerman(NRCer)   | L                             | KNAB   | Miss Bette Vailly, CE               | A                 |   |
| 740   | KVFC Stanley E. Talcott            | A                     | 950 | WABG Beverly Hackleman            | B                             | WAWK   | Richard Bassett                     | CN                |   |
|       | WMBL Robert L. Statham, CE         | E                     |     | WWJ Leo Rymarz                    | CHNQ                          | KLUC f | Joe De'Angelo, CE                   | D                 |   |
|       | WPAQ Lucy E. Bowman                | E                     |     | KFSA J. W. Tucker                 | C                             | CJTR q | Serge Simand                        | IN                |   |
|       | " Grady Pike                       | H                     |     | WSPA q H. R. Beckholt, CE         | E                             | KSOC   | Roland Marty, CE                    | M                 |   |
|       | WBAM q T. B. Jones                 | O                     |     | WIBX q John T. Dowdell            | H                             | WSIV f | (Unreadable), CE                    | N                 |   |
|       | CEB q Miss Margaret Beettam        | Q                     |     | 960                               | WBBF Herb Petrie              | H      | WRVA q                              | J. Bier, Sec.     | Q |
| 750   | WHBB q Tony Vaccaro                | CFHN                  |     | KNEB Les Procter                  | A                             | 1150   | KISO Doug Matthews, Op. Mgr.        | AG                |   |
|       | WPDX f Micheal R. Betler, CE       | CDE                   |     | WPRT Norm Beaty                   | CK                            | KAGO   | Edward C. Ewell, CE                 | A                 |   |
|       | KSEO Terry Johnson, CE             | M                     |     | CKWS q                            | D                             | WIMA   | Norbert Poepelman, CE               | CEK               |   |
| 770   | WABC q Winston H. Loyd, CE         | JQ                    |     |                                   |                               | WKYK   | Lyle Newman, CE                     | E                 |   |

|       |                           |                             |      |      |                                  |                        |      |      |                               |                          |   |
|-------|---------------------------|-----------------------------|------|------|----------------------------------|------------------------|------|------|-------------------------------|--------------------------|---|
| KXLR  | x Calvin Babcock          | E                           | 1370 | WLOP | Raymond H. Bilbrey, CE           | A                      | 1510 | WLAC | f Everett Lawson, CE          | JQ                       |   |
| WBAG  | Bob James                 | E                           |      | KDTH | Donald R. Abitz, CE              | D                      |      | WJRC | f Wally Lorenc, CE            | K                        |   |
| WNDB  | q Ronald J. Kocher        | *                           |      | WDEA | Harvey E. DeVane, GM-Pres        | F                      |      | WLKM | Dennis Rumsey, News Dir.      | K                        |   |
| KASM  | w (Unreadable)            | N                           |      | KXLF | Al Fetch, PD                     | G                      |      | WAHT | c Bill Margut                 | K                        |   |
| CKX   | Lawrence Dubois, CE       | N                           |      | WGNH | Douglas J. Tjapkea, GM           | K                      |      | 1520 | WLKM                          | Dennis Rumsey            | C |
| CJRC  | q Gus Sondermeyer, CE     | N                           |      | WOTR | William M. Remington, CE         | K                      |      | WQMA | w Ricke Womble, CE            | E                        |   |
| 1160  | KSL                       | q (unreadable), CE          | Q    | KXLF | f Joe Boyle                      | O                      |      | WNMT | E. F. Wigbie, CE              | *IF                      |   |
| 1180  | WHAM                      | q Albert Davis, CE          | Q    | KCII | Russell E. Ellinger, CE          | *                      |      | WKBW | q Leroy Fielder, CE           | JQ                       |   |
| 1190  | WOWO                      | q Billy L. Wolfe, CE        | Q    | KRKO | q Dale Good, CE                  | A                      |      | 1530 | WJRL                          | w G. Willhite, Sta. Mgr. | B |
| KADE  | Keith Jackson, Ann.       | A                           |      | KPOI | Tom Moffatt, VP-GM               | A                      |      | KPCR | x J. Paul Salois, CE          | DFN                      |   |
| WANN  | M. H. Blum                | H                           |      | WBEL | c Tom Farber, CE                 | D                      |      | WRBK | J. Edward Hughes, CE(##%*-ed) | E                        |   |
| WAMB  | c Bill Barry, Owner       | *                           |      | WMEE | William R. Ryan, CE              | DQ                     |      | WHYI | f William J. Mobbs, CE        | G                        |   |
| 1210  | WKNX                      | Gene Bardo, CE              | FH   | KLIZ | Bob Stafford, PD                 | D                      |      | WTHM | Donald McComb                 | H                        |   |
| WILY  | q Scott E. Cortelyou      | BO                          |      | KOTA | f                                | N                      |      | WCKY | Adrian Lentz, CE              | HJ                       |   |
| 1220  | KFSO                      | Andres Meidig, Prog. Mgr.   | A    | 1390 | KSLM                             | q Tom Wirth            | R    | WJDM | Charles Blanding, CE          | HJ                       |   |
| KRMC  | Wayne Scott               | A                           |      | KHOB | Tom S. Wood, PD                  | A                      |      | WPNO | p Dave Dean, PD               | J                        |   |
| WKBK  | Garnet Drakiotes, Eng.    | EJK                         |      | WNUS | f Stephen Schott, CE             | D                      |      | KTMN | w Jerry Lumpkin, Mgr.         | N                        |   |
| KOFO  | Doug Campbell             | I                           |      | WCSC | q A. R. Huges, Eng. Dir.         | E                      |      | 1540 | ZNSI                          | f Samuel J. Hepburn      | A |
| WERT  | Tom Lawrence, Gen Mgr.    | K                           |      | KAMO | Ken Mason, CE                    | G                      |      | WKKR | Larry Turner                  | E                        |   |
| WPLK  | Cliff Williams            | N                           |      | KHOB | Patrick J. Shirley, CE           | G                      |      | WKYK | w Unreadable, but G.M.        | E                        |   |
| CJRL  | Jim Gauld, CE             | N                           |      | WANY | Robert A. Huddleston             | G                      |      | WPTR | q James J. Cruise, CE         | EM                       |   |
| 1230  | KWYZ                      | Chuck James                 | R    | WLAN | Dennis Eberly, CE                | *I                     |      | "    | Dave Terta                    | H                        |   |
| WPAS  | q Jack Pearson, CE        | J                           |      | WEOK | q John W. Kostenko, CE           | J                      |      | KXEL | q Tony Thill, CE              | Q                        |   |
| WCRO  | f Fred Kendij, CE         | J                           |      | WFTW | Gil Wallace, CE                  | N                      |      | 1550 | KQXI                          | f Lloyd Allen, CE        | A |
| 1240  | KEBQ                      | Alejandro Padilla Reyes     | A    | 1400 | Believe it or not, not one!!-ed. | ADN                    |      | WSHN | w James Hart, Mgr.            | D                        |   |
| WBBU  | f W. J. Hecht             | C                           |      | 1410 | CFUN                             | f D. Rogers, Eng.      |      | WPJD | f William Kitchen, CE         | D                        |   |
| WGBB  | f Alan C. Lush, CE        | FJ                          |      | KAHL | Nelson Dahl, CE                  | D                      |      | WMOO | Jerry Norton, CE              | DK                       |   |
| 1240  | WWSN                      | Scott Pendergraft           | I    | WHTG | q C. R. Teeters, CE              | J                      |      | WSAO | George Crockett, Mgr.         | D                        |   |
| WSNJ  | Ed Bold                   | I                           |      | 1420 | KUJ                              | Verne Russell          | R    | WPTN | Ranson E. Siler, CE           | E                        |   |
| WINN  | Michael W. Babb           | N                           |      | WOC  | q Eugene E. McHenry, Eng.        | AE                     |      | WRHC | Lizabeth Reynolds, Ops. Mgr.  | EI7                      |   |
| CFVR  | q (Unreadable)            | R                           |      | WIMS | q T. Charles Smith, Eng.         | D                      |      | "    | William E. Bradley, CE        | *                        |   |
| 1250  | WHMY                      | Claude T. Strickland, CE    | B    | WVJS | Earl Jagoe, CE                   | D                      |      | WYNY | L. N. Polk, Pres.             | E                        |   |
| WTAE  | James H. Greenwood        | H                           |      | CKPT | x Edwin Crompton, CE             | EI                     |      | KGMO | f Jim Gates, Sta. Eng.        | F                        |   |
| WKBL  | Judy Townsend, Stn. Mgr.  | K                           |      | WKPR | f Kenneth Byle, CE               | K                      |      | WVAB | q Donald W. Beckstorm,        | F                        |   |
| WGL   | Al W. Ogrizovich, Janitor | M                           |      | 1430 | WFOB                             | q Dave Smith           | C    | WEKT | John G. Eppler                | H                        |   |
| 1260  | WNDE                      | Charles J. Collingwood,     | Q    | KRGI | f Elmer Nelson, CE               | DG                     |      | KKHI | q Fred Krook, CE              | P                        |   |
| KGBX  | c Frank Urban, Eng.       | A                           |      | WDIC | q John Mullins                   | D                      |      | 1560 | WKOQ                          | Frank Billings, GM       | D |
| WNDE  | R. M. Brockway, CE        | D                           |      | WVVX | Daniel E. Kelley                 | D                      |      | WVAK | Denzel King                   | D                        |   |
| KPGQ  | Anne Reiffenstein, PD     | K                           |      | WIRE | q Gordon W. Trout, CE            | E                      |      | WADD | Robert Bittner                | H                        |   |
| 1270  | WCMR                      | E. B. Culp, CE              | CK   | WVAM | x Bruce McCray Schiller          | F                      |      | KPMC | G. E. Patterson               | H                        |   |
| WLEB  | q Bill Zehring, CE        | E                           |      | 1420 | WLNA                             | Nathaniel Johnson, CE  | J    | WGLB | Mark Heller (NRC)             | I*O                      |   |
| WUOK  | Dave White                | I                           |      | 1430 | WVVX                             | Raymond L. Matter      | K    | WDXR | Kit Kittelson, CE             | Q                        |   |
| 1280  | WADO                      | q Phillip E. Greenstone, CE | KE   | 1440 | CFCP                             | Earl Kidder            | R    | 1570 | WHII                          | Tom Diaz                 | C |
| WLMJ  | David P. Raymer, CE       | K                           |      | WBCM | Reed R. Prior, CE                | D                      |      | WFUR | f Gilbert Waite, CE           | D                        |   |
| WONW  | w Mary Ann Maag           | C                           |      | WAAB | f Gerard Eopoyan, Eng.           | FH                     |      | CHLO | John L. Moore, GM-Pres.       | EHQ                      |   |
| KONI  | Harold H. Romas, CE       | D                           |      | WROK | q Gary Breed, CE                 | GI                     |      | WSWV | q Wayne Sizemore, CE          | E                        |   |
| WCFM  | George E. Bibb, CE (#%*-) | E                           |      | CFGO | f H. F. MacRae, CE               | J                      |      | WTQJ |                               | E                        |   |
| CHAM  | f Bruce Dingwall, CE      | F                           |      | WDOW | Bruce Jeffries                   | K                      |      | WFRL | Bill Sitzman                  | H                        |   |
| 1290  | WICE                      | f Steve Sorel, CE           | F    | KDNT | Hal Whatley, CE                  | M                      |      | WOBL | Willard Waite                 | K                        |   |
| WVOW  | Paul Minton, CE           | GK                          |      | 1450 | KEST                             | Les Malloy, Pres.      | A    | WCLE | q Ronald I. Murray, CE        | N                        |   |
| WNIL  | q Matt Plezchala          | K                           |      | KCYL | Steve S. Sampson, GM             | A                      |      | 1580 | KRZI                          | Charles Pro, PD          | A |
| 1300  | KWKW                      | Tony Noto, CE               | A    | WLYV | Greg Zaker                       | C                      |      | KCHA | w L. J. Bromberg              | DM                       |   |
| WKQW  | Don Moline, PD            | J                           |      | 1450 | KOKO                             | q Bruce Reynolds (NRC) | DNO  | KDAY | Andy Laird, CE                | D                        |   |
| KOLY  | w Elaine Fuhrer           | K                           |      | WKRI | Joseph Mattias, CE               | F                      |      | WSUF | x Bob Meuser, CE              | FHN                      |   |
| KWCK  | w Pete Cole               | O                           |      | CFJR | John A. Radford                  | H                      |      | KPCA | Dale Sanders, PD              | FL                       |   |
| 1310  | WIFE                      | q Murray G. Smith, CE       | AC   | WMAJ | Carl Volz                        | I                      |      | WKIG | Don P. Cobb, GM               | F                        |   |
| KPKA  | J. Roger White            | D                           |      | WCTC | w Clarence Dingman               | J                      |      | KIRT | Lawson D. Campbell, CE        | G                        |   |
| WBFD  | w Glenn B. Ritchey, Mgr.  | E                           |      | WHTC | Daniel W. Coltrane, CE           | K                      |      | KLTR | f Bob Boyd, Mgr.              | G                        |   |
| +1300 | WYNG                      | Warren Henderson            | I    | WFPG | q                                | K                      |      | KCHA | Harriet Skillen               | H                        |   |
| 1310  | CFGM                      | Bruce Carnegie, CE          | J    | WMOH | Joe London                       | K                      |      | WCRV | Steven Boyer                  | H                        |   |
| KFSB  | Richard L. Chegwin        | O                           |      | 1460 | WMBM                             | John W. Bride, Pres.   | *    | WAXU | R. S. Johnson                 | H                        |   |
| 1320  | 13-Q (WKTQ)               | Thomas Monahan, CE          | DF   | "    | Richard Allen Pantaleo, CE       | *I                     |      | WHEX | John K. Hogg                  | HN                       |   |
| "     | J. Hillman, Eng.          | J                           |      | WKAM | Ron Yoder, CE                    | D                      |      | WDQN | Gene Showalter                | KN                       |   |
| WVOJ  | c Gerald Yaeuzzi, CE      | J                           |      | WMBR | q Dick Lucas, CE                 | FJ                     |      | WJVA | Chris Cross, Dir. Eng.        | K                        |   |
| WHIE  | Ralph E. Gaskins, CE      | K                           |      | WACO | f Jack Vinson, CE                | G                      |      | WAMW | Paul M. Paris, CE             | K                        |   |
| WBRT  | David Dean, CE            | K                           |      | WAXC | Frank Scheidt                    | HJ                     |      | KTGR | Ken Kuenzie, Asst. CE         | M                        |   |
| +1310 | KEIN                      | Bryan Meyers, Oper. Dir.    | P    | WCMB | q John B. Thomas, CE             | J                      |      | WPGC | Marvin Holverstott            | N                        |   |
| 1330  | KFAC                      | Carl Princi, PD             | A    | WPRW | T. J. Curtis, CE                 | J                      |      | 1590 | KBBQ                          | p Earl Spencer, PD       | A |
| WJPS  | John H. Wright, CE        | K                           |      | 1470 | WMBD                             | f Neil Burk, CE        | Q    | WGOE | x Jim Grainger                | CI                       |   |
| WFIN  | Edgar C. Smith, CE        | K                           |      | CJVB | Rudy Hartman                     | RA                     |      | WAUB | James R. Ravencraft           | H                        |   |
| WHOT  | Homer Wesley Boyd         | I                           |      | WCHJ | W. M. Jones, Mgr.                | B                      |      | WSWV | A. E. Skinner, III, CE        | K                        |   |
| "     | Jerry Starr               | XYZ                         |      | WINH | H. R. Fogel, Pres.-GM            | E                      |      | WAKR | q (Unreadable)                | Q                        |   |
| 1340  | WLBC                      | Patrick S. Finnegan         | C    | WSAN | q R. H. Musselman, Tech. Sup.    | E                      |      | WETT | q J. Raab, Traffic Dir.       | *                        |   |
| WOOK  | John Hofstetter           | EJ                          |      | WTHI | Russ Arnold, VP n CE             | E                      |      | 1600 | KWOW                          | p Jon R. Wickstrom, CE   | A |
| KXEO  | Dan Davis, CE             | K                           |      | WVBS | J. Arthur Burnett                | E                      |      | WWRL | q John W. Kirby, CE           | EH                       |   |
| KBTA  | Vernon D. White           | O                           |      | 1480 | KLMS                             | f                      |      | WLNG | Paul Sidney, GM               | F                        |   |
| KICK  | w Cliff Howe, CE          | O                           |      | WAME | Edd Robinson, Prog. Mgr.         | E                      |      | WPDC | Lee Salter                    | F                        |   |
| 1350  | KRLC                      | q                           | R    | WLEA | Richard Goldberger, Mgr.         | E                      |      | 1600 | KMDO                          | George F. Province, CE   | K |
| KKAM  | Cindy McBee, Sec.         | A                           |      | WKKO | Bob Morgan, Mgr.                 | E                      |      | WLLS | w Lloyd Spivey, Jr.GM         | K                        |   |
| "     | f Dwight Shaw, GM         | A                           |      | KWEN | Gene Howard                      | G                      |      | WHBT | f Ray Brown, CE               | K                        |   |
| WCMS  | Richard H. Murry, Jr.     | C                           |      | WCIN | Carl Dettmar                     | I                      |      | KLAT | Dennis Silver                 | R                        |   |
| WZIX  | f Ed Zug, CE              | J                           |      | WMAX | John Alan, CE                    | L                      |      |      |                               |                          |   |
| WHMI  | G. Jablonski              | K                           |      | 1490 | WDXB                             | Garry Mac              | C    |      |                               |                          |   |
| WNVA  | William G. Stallard, Mgr. | K                           |      | "    | w                                |                        |      |      |                               |                          |   |
| 1360  | WKMI                      | c Chas. E. Gustafson, CE    | D    | 1500 | KWPA                             | William H. Miller, CE  | N    |      |                               |                          |   |
| WNOV  | Rex Osborne, CE n GM      | DK                          |      | WTOP | q Granville Klink, Jr. CE        | A                      |      |      |                               |                          |   |
| WSAI  | q Mark W. Erhardt         | E                           |      | CKAY | Ernie Mykyte, Pres.              | CHQ                    |      |      |                               |                          |   |
| 1360  | WCHL                      | f Rick Edwards, Eng. Mgr.   | FLJ  | KOKN | Jesse Gilbert, Mgr.              | D                      |      |      |                               |                          |   |
| WWBZ  | Francis C. Fekel, CE      | FJ                          |      | WDEE | Al Bachner, Eng. Mgr.            | D                      |      |      |                               |                          |   |
| WLIQ  | Robert G. Savell, CE      | G                           |      | WKBR | q Don Lawshe, CE                 | J                      |      |      |                               |                          |   |
| WIXZ  | q Hurley, Eng.            | I                           |      | KTXO | George W. Smith, Jr.             | O                      |      |      |                               |                          |   |
| WNFC  | w Harold Harris           | K                           |      | WAKE | q Terry Grieger, CE              | Q                      |      |      |                               |                          |   |



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The ones to blame for this masterpiece:  
 A-William L. Cowles  
 B-Bill Estes  
 C-The honoray Al Ogrizovich  
 D-George Bertonz  
 E-Bill Blazek  
 F-Ray Arruda  
 G-Robert McKinney  
 H-Paul R. Daplyn  
 I-Jim Peterba

J-Paul R. Mount  
 K-Dave Peterson  
 L-Frank Wheeler  
 M-Phil Boersma  
 N-Karl 4th (I heard you on WISE on 4/22-hi!)  
 O-Jim Boyd  
 P-Mel Hickman  
 Q-Bob Lazear, Pt. Washington, WI (WGLB-Land)  
 R-Ken Horne  
 \*-myself, me, I, editor, etc., etc.

This is the whole works as of 4/25, a very good turnout. To Grant Manning, have fun. Funny, to him, I'm Joe, to everyone else, I'm Dave. Have you been hitting the correction juice a little bit there, Grant? I'll put someone in within a month or so, so keep on truckin' those ones that make it possible to me.

73's, Dave Schmidt, 42 Chelwynne Road, Castle Hills, New Castle, Del. 19720

15 **WINQ** CBS RAD   
 50,000 WATTS   
**10-10 ON YOUR DIAL**  
 Serving **TAMPA/ST. PETERSBURG**  
**CLEARWATER/CENTRAL FLORIDA**

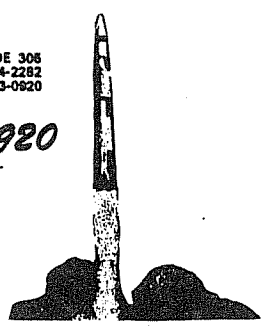
**For The Record**  
 By Mark Ruskie

**Tube View**

Drama is returning to radio. The question is whether the TV generation will know where to look when there's no picture.

PHONE: AREA CODE 305  
 MELBOURNE 284-2282  
 COCOA 783-0920

**1,000 Watts At 920**  
 SERVING FLORIDA'S SPACE COAST



*Radio Melbourne*

**WMEL**

*24 Hour Radio*

**WMEL FACT SHEET**

**LOCATION:** Melbourne--Serving Cape Kennedy & East Central Florida.

**POWER:** The Melbourne Area's only 1,000 watt, fulltime, station.

**FREQUENCY:** 920 khz - Regional Channel **OPERATION:** 24 hours daily  
 7 days a week.

**NETWORK:** *New CBS*  
 ABC-Information Radio

**FORMAT:** **Music** - 5:00 a.m. to 6:00 p.m., an adult top 100, plus best sellers from the past; 6:00 p.m. to Midnight, contemporary Top 40; Midnight to 5:00 a.m.-same as daytime

**News** - From ABC, United Press, direct line to NASA Control & local news staff with 4 licensed mobile radio units. News is broadcast a minimum of twice hourly, bulletins as they occur.

**Sports** - ABC Wide World of Sports on weekends, daily sports at 20 minutes past the hour (Lou Boda & local), coverage of Atlanta Braves baseball, Florida football & top auto races.

**Weather** - WMEL's Weather Watches are broadcast at 15 minutes before & 15 minutes after each hour, with abbreviated version in news at half-hour. Sources include ESSA Weather Bureau and WMEL's own weather station for current local conditions.

**COVERAGE:** WMEL covers Brevard County, home of America's space program testing range, population in excess of 241,000, with median resident age of 27. Census figures reveal Brevard County doubled in population during the past 10 years.

**PERSONNEL:** The WMEL staff has a combined experience of more than 150 years in broadcasting, or an average of between 12 & 15 years.

**SUMMARY:** WMEL covers a large, dynamic portion of East Central Florida and should be included in the plans of any advertiser desiring maximum results from his radio advertising in this area.

Ever play radio roulette? It's an interesting game played by hundreds of hockey and basketball fans throughout the Metropolitan area who aren't satisfied with just listening to the Ranger and Knick broadcasts on WNBC.

With a little dial twisting and a lot of ear straining in some cases, it's possible to pick up the broadcasts of seven other National Hockey League teams and five pro basketball teams.

In addition, it's also possible to hear numerous minor league hockey and college basketball and hockey broadcasts.

Probably the strongest out-of-town station is Philadelphia's WCAL (1210), which can even be heard in the daytime. The Philly station broadcasts the Flyers and 76ers, in addition to the Phillies in the summer and the New York Jets in the fall.

Gene Hart is the very capable voice of the Flyers; Andy Musser, who some people may have seen on the CBS NFL telecasts last fall, does the 76er games.

Three of the trickier stations to get are Pittsburgh's KDKA (1020), Boston's WBZ (1030), and St. Louis's KMOX (1120).

KDKA and WBZ are so close together on the dial they sometimes compete with each other, at other times they are drowned out by New York's WINS.

Both stations also have two of the most partial announcers in the NHL. Pittsburgh's Jim Forney is forever calling the Penguins "Our Pens" while the Bruins' Fred Cusick describes the antics of the Beantowners on a first-name basis. "Bobby to Ken to Phil" is a typical Boston rush up ice. Usually only the Bruins and the opposing goalie come in for praise from Cusick and his color man, ex-Bruin Cal Gardner.

Why the opposing goalie? Because he's the man who's stopping Bobby, Ken, Phil, Cash, Derek, and company and their "scoring threats."

WBZ also does the Celtic games when there is no conflict with a Bruin game.

KMOX (1120) is probably the toughest station to pick up because it is so close to New York's WNEW (1130). To get it, the radio must be turned just the right way so that the voices of Dan Kelly and Gus Kyle come in stronger than those of the WNEW disc jockeys.

Sunday night is hockey night in Canada, at least radiowise. Then you can easily pick up either the Canadiens or the Leafs. If neither is playing, then CBC broadcasts another game, usually one involving the Rangers, Bruins, or Hawks.

Montreal can be heard on CBM (950 in English or on CFCF (600) in French. Toronto, with Foster Hewitt at the mike, can be heard on CBL (740) or CKFH (1430).

**Even North Stars Can Be Zeroed In**

Even the Minnesota North Star broadcasts can be heard in this area with a little effort. The Stars can be found on WCCO (830) with Al Shaver, one of hockey's better announcers, doing the games.

The Baltimore Bullets of the NBA and the Baltimore Clippers of the AHL are both heard on WBAL (1090), the same station that does the Orioles in the summer.

Further to the right on the radio dial is WHAM (1180) in Rochester where you can get Bill Gibbons and the broadcasts of the AHL's Rochester Americans. And next door to WHAM is WOWO (1190) in Fort Wayne, Ind., where the voice of Bob Chase booms out the Fort Wayne Komets games in the IHL loud and clear after New York's WLIB, also 1190 on the dial, goes off for the day. Later in the basketball season, WOWO also broadcasts the Indiana State High School Basketball Tournament.

Other events that can be heard include University of Kentucky basketball, Kentucky Colonel basketball, Davidson basketball, RPI hockey and Cincinnati Royal basketball games.

Surprisingly, a dial twister can get most out-of-town stations clearer than those broadcasting the New York Net and Long Island Duck games. For those who like challenges, the Nets are on WGLI (1290) and WGBB (1240) and the Ducks on WPAC-FM (106.1).

P. O. BOX 1318, MELBOURNE, FLORIDA 32935

# CRTC exceeded powers in ad banning, MP says 16

OTTAWA (CP) — A Liberal back-bench MP said Tuesday the Canadian Radio-Television Commission (CRTC) arrogantly usurped the powers of Parliament, the government and the CBC board of directors in ordering the CBC to terminate or reduce commercial advertising on its networks.

The CRTC announced Sunday the CBC's broadcasting licences were being renewed for five years on condition that it dropped advertising from radio, and reduce commercials on its TV networks by one half in five years. Jean Roy (L-Timmins) complained bitterly about the announcement when CRTC

Chairman Pierre Juneau appeared before the Commons broadcasting committee, seeking approval of the commission's \$7.7-million budget for the new fiscal year. Mr. Juneau said the CRTC had only exercised the powers given it under the Broadcasting Act. When Mr. Roy pressed his argument, Mr.

Juneau appeared close to losing his temper but said only: "That's your opinion. I can't lecture a member..." Mr. Roy, a contractor first elected to Parliament in 1968, said the ruling on the CBC licence renewals justified accusations that the CRTC is arrogant. The ruling usurped the role of politicians and Parliament in controlling government expenditures, he said.

said, that the ultimate decision goes to the government and to Parliament. Mr. Roy was not satisfied. He said Mr. Juneau uses the act as an umbrella whenever questioned about CRTC rulings. The CRTC had usurped the right of the CBC board of directors to decide CBC com-

mercial policy, he said. Mr. Juneau appeared angry and said tartly: "That is your opinion. I can't lecture a member of the committee on the Broadcasting Act." However, he added, the commission's legal advisers had said the CRTC was acting within the law.

Mr. Roy said that to many people, it looked like a conspiracy between the CRTC and the CBC to get more money from the treasury for the publicly-owned broadcasting corporation.

"I can only feel sorry if people reach the conclusion we have acted in a devious way," Mr. Juneau said.

Mr. Roy asked how much of the 91-page report issued Sunday had been written before the CRTC heard the CBC renewal application in mid-February.

Mr. Juneau said such a question was insulting. Sunday's report contained philosophies that the CRTC had voiced in other circumstances in the past, but none of it was written in advance of the public hearing.

## OPINION PLEASE!

Recently DX Monitor began sending out issues by second-class mail. The major factor governing such a move was the lowered cost of postage which second-class offers--from 10c for most issues by first class to about 2c by second-class. We hope to be able to expand the size of more issues, to include additional features, with the savings which second-class will bring. It might even be possible to lower the cost of subscriptions.

Unfortunately the speed at which mail travels seems to be in inverse proportion to the cost; it has taken about fifteen days for issues to travel to the East Coast; in one case it even took sixteen days to travel three hundred miles to Central California.

What your publishing committee would like to learn is how you feel about such slower mail service. Undoubtedly there are some who really don't care when the bulletin arrives; there are probably others who practically wait on the doorstep for the postman. Those are the two extremes; what we would like to find out is how the majority of subscribers feel. We would also, while we're gathering this type of information, also like to find out what you think about DX Monitor in general--for instance, what features you like, which you'd like to see expanded or cut and what additional features you'd like to see.

Getting back to the mail situation, there are several alternatives we see for people who are not satisfied with the second-class service. First, if you want to put out the extra money, there's always an airmail subscription. Secondly, there's the possibility that we could install an optional first-class mail service for an additional fee. Or if we find that the vast majority are not satisfied with second-class, there's always the possibility that we simply drop it and go back to first-class for everyone.

One factor which certainly must be considered is the financial aspect. First class rates have gone up. The club officers feel that the club treasury could subsidize any extra expense for a while, but that situation certainly couldn't be continued forever. It would be only reasonable that, should first class postage be offered as an option, that anyone subscribing by first class pay the extra expenses. (It would be unfair to subsidize one group of members and not all.) Or, should we return to first-class for everyone (an unwise move in my opinion), then the subscription rates would have to be increased in the not-too-distant future. No definite figures have been arrived at yet concerning new subscription rates, but this is one thing to keep in mind when you indicate your choices on the opinion poll.

Kitchener-Waterloo Record, Wed., April 3, 1974 9

Country station goes city station \$1,000 better.

# WIN \$2,000

Don't say "Hello"  
say "I listen to CFGM  
country music."

## cfgm/1310

IRCA  
12536 Arabian Way  
Poway, CA 92064

I am satisfied with second-class mail service.

I would be willing to pay extra to get DXM by first-class.

I would prefer everyone to receive DXM by first-class.

I am currently receiving DXM by airmail (or plan to subscribe by airmail shortly).

Date I received this copy of DXM \_\_\_\_\_

Number of days DXM used to take by first class mail (when mailed on Saturday): \_\_\_\_\_

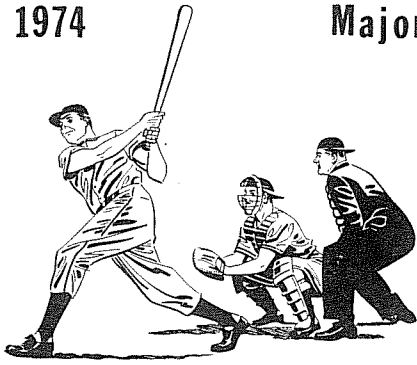
Other comments about mail service:

Features I would like to see expanded or cut back in DXM:

|                          | Leave Unchanged | Expand | Cut back |
|--------------------------|-----------------|--------|----------|
| DX Calendar              | _____           | _____  | _____    |
| Broadcasting Information | _____           | _____  | _____    |
| Flash Tips               | _____           | _____  | _____    |
| Roundups                 | _____           | _____  | _____    |
| Forums                   | _____           | _____  | _____    |
| DXW                      | _____           | _____  | _____    |
| DX Records               | _____           | _____  | _____    |
| State of the Month       | _____           | _____  | _____    |
| DX Contests              | _____           | _____  | _____    |
| Verifications            | _____           | _____  | _____    |
| Newspaper clippings      | _____           | _____  | _____    |
| Technical articles       | _____           | _____  | _____    |
| History of radio         | _____           | _____  | _____    |
| Other:                   | _____           | _____  | _____    |

Comments about DXM in general:





1520 WVOB MD Bel Air  
 1550 WXVA WV Charles Town  
 1560 WSMO MD La Plata  
 1590 WETT MD Ocean City  
       WCBG PA Chambersburg  
       WACA SC Camden  
 1600 WKEN DE Dover

BOSTON RED SOX

Ned Martin  
Jim Woods

New England Chrysler-Plymouth  
Coca-Cola

Delta Airlines  
Falstaff/Narragansett Beer  
New England Tel. & Tel.  
"The Boston Globe"

850 \*WHDH MA Boston

(No further information available)

CLEVELAND INDIANS

Joe Tait  
Herb Score

Stroh's Beer

900 WFRO OH Fremont  
 960 WWST OH Wooster  
 1100 \*WUWE OH Cleveland  
 1240 WBBW OH Youngstown  
 1280 WONW OH Defiance  
 1400 WMAN OH Mansfield  
 1430 WCLT OH Newark  
       WFOB OH Fostoria  
 1450 WLEC OH Sandusky  
 1460 WPVL OH Painesville  
 1540 WBCO OH Bucyrus  
 1590 WAKR OH Akron  
 1600 WAQI OH Ashtabula

DETROIT TIGERS

(Wolverine Broadcast Network)

Ernie Harwell  
Paul Carey

Stroh Brewery  
Marathon Oil  
B. F. Goodrich  
Greater Detroit Area Buick Dealers  
Peet Packing Company  
Indep. Insur. Agents of Michigan  
Ziebart Rustproofing Company

590 WKZO MI Kalamazoo  
 760 \*WJR MI Detroit  
 790 WSGW MI Saginaw  
 900 WATC MI Gaylord  
 920 WMPL MI Hancock  
 930 WBCK MI Battle Creek  
 960 WHAK MI Rogers City  
 1060 WHFB MI Benton Harbor  
 1150 WCEN MI Mount Pleasant  
 1220 WBCH MI Hastings  
 1230 WCUZ MI Grand Rapids  
       WIKB MI Iron River  
       WSOO MI Sault Ste. Marie  
       WSTR MI Sturgis  
 1240 WCBY MI Cheboygan  
 1280 WFYC MI Alma  
 1290 WHGR MI Houghton Lake  
       WNIL MI Niles  
 1300 WHLT IN Huntington  
 1320 WDMJ MI Marquette  
 1340 WAGN MI Menominee  
       WMBN MI Petoskey  
       WMTE MI Manistee  
 1370 WWAM MI Cadillac  
 1380 WPLB MI Greenville  
 1400 WSJM MI St. Joseph  
       WTCM MI Traverses City

1450 WATZ MI Alpena  
       WHTC MI Holland  
       WKLA MI Ludington  
       WMIQ MI Iron Mountain  
       WNBV MI Newberry  
 1460 WBRN MI Big Rapids  
 1480 WIOS MI Tawas City  
 1490 WLRQ MI Whitehall  
       WTIQ MI Manistique  
 1550 WSHN MI Fremont  
 1590 WTVB MI Coldwater

NEW YORK YANKEES

Phil Rizzuto  
Frank Messer  
Bill White

570 \*WVMA NY New York

(No further information available)

TEXAS RANGERS

Dick Risenhoover  
Bill Merrill

Schlitz  
7-11 Stores

820 \*WBAP TX Fort Worth

(No further information available)

AMERICAN LEAGUE-WEST

CALIFORNIA ANGELS

Dick Enberg  
Don Drysdale  
Dave Niehaus

Standard Oil of California  
Anheuser-Busch  
Continental Airlines  
Chevrolet

610 KAVL CA Lancaster  
 620 KNKS CA Hanford  
 710 \*KMPC CA Los Angeles  
 970 KCHV CA Coachella  
 1230 KPRL CA Paso Robles  
       KWTC CA Barstow  
       KXO CA El Centro  
       KLAJ NV Las Vegas  
 1240 KSMA CA Santa Maria  
 1340 KFBR AZ Nogales  
       KSFE CA Needles  
 1400 KTUC AZ Tucson  
       KVOY AZ Yuma  
 1440 KPRO CA Riverside  
 1450 KTIP CA Porterville  
 1560 KPMC CA Bakersfield  
 1590 KBBQ CA Ventura

CHICAGO WHITE SOX

Harry Caray  
Bill Mercer

General Finance Loans  
Chevrolet  
Zenith Radio Distributors

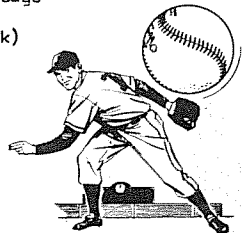
670 \*WMAQ IL Chicago

(There is no network)

KANSAS CITY ROYALS

Buddy Blattner  
Denny Matthews

Dodge  
Amoco  
Falstaff Beer  
Guy's Foods



NOTES:

\* Indicates key station in network

The names listed under each team are the "play-by-play" announcers and the firms that are expected to be sponsors for the broadcasts.

Sources used for this list were "The Sporting News" (6 April 1974), "Broadcasting" (25 February 1974) and personal letters from stations.

It should be realized that in many cases the networks listed were preliminary ones, and stations may have been added or deleted already, or may be added or deleted during the season.

Information on the networks not herein listed will be published when they are available. Anyone having such information should send same to:

Ed Krejny  
6538 Belmeadow Drive  
Middleburg Heights  
OH 44130

AMERICAN LEAGUE-EAST

BALTIMORE ORIOLES

Chuck Thompson  
Bill O'Donnell

National Brewing

710 WGBS FL Miami  
 930 WTHD DE Milford  
       WFMD MD Frederick  
 960 WBOC MD Salisbury  
 970 WAMD MD Aberdeen  
 990 WNRV VA Narrows  
 1050 WSKE PA Everett  
       WCAT VA Gate City  
 1090 \*WBAL MD Baltimore  
 1150 WDIX SC Orangeburg  
 1220 WLSD VA Big Stone Gap  
 1230 WCUM MD Cumberland  
 1240 WCEM MD Cambridge  
 1260 WJOT SC Lake City  
 1280 WHVR PA Hanover  
 1330 WASA MD Havre de Grace  
 1340 WJMA VA Orange  
 1350 WZIX PA York  
       WDAR SC Darlington  
 1360 WBOB VA Galax  
 1390 WWOD VA Lynchburg  
       WKLP WV Keyser  
 1400 WWOC VA Portsmouth  
 1420 WDDY VA Gloucester  
 1440 WHIS WV Bluefield  
 1450 WSTU FL Stuart  
       WTHU MD Thurmont  
       WENZ VA Highland Springs  
       WFTR VA Front Royal  
 1460 WPRW VA Manassas  
 1470 WTTR MD Westminster  
 1490 WLDE NC Eden  
       WDPI TN Bristol  
       WCVA VA Culpeper



MINNESOTA TWINS

Herb Carneal  
Larry Calton

Midwest Federal Savings & Loan  
Foreman & Clark Clothing  
Northwestern Bell Telephone  
Cloverleaf Dairies  
Western Airlines

- 570 WNAX SD Yancton
- 600 KSJB ND Jamestown
- 610 KDAL MN Duluth
- 830 \*WCCO MN Minneapolis
- 920 KWAD MN Wadena
- 1040 WHO IA Des Moines
- 1070 KILR IA Estherville
- 1140 KSDO SD Sioux Falls
- 1230 KGHS MN International Falls
- KMRS MN Morris
- KTRF MN Thief River Falls
- KWNO MN Winona
- 1240 KPRM MN Park Rapids
- WMFG MN Hibbing
- KDLR ND Devils Lake
- 1250 KBRF MN Fergus Falls
- 1260 KROX MN Crookston
- 1280 KVOX MN Moorhead
- 1300 KGLD IA Mason City
- 1340 KDLM MN Detroit Lakes
- KVBR MN Brainerd
- KGPC ND Grafton
- 1350 KBRX NE O'Neill
- 1390 KLPM ND Minot
- 1400 KEYL MN Long Prairie
- WHLB MN Virginia
- WBIZ WI Eau Claire
- 1410 KRWB MN Roseau
- 1450 KBMW MN Breckenridge
- WELY MN Ely
- KVCK MT Wolf Point
- KGCA ND Rugby
- 1480 KEHG MN Fosston
- KGCC MT Sidney
- 1490 KOZY MN Grand Rapids
- KXRA MN Alexandria
- 1520 KMAV ND Mayville
- 1590 KRAD MN East Grand Forks
- 1600 KLGA IA Algona

OAKLAND ATHLETICS

Monte Moore  
Jon Miller

- 1370 \*KEEN CA San Jose

(No further information available)

NATIONAL LEAGUE-EAST

CHICAGO CUBS

Vince Lloyd  
Lou Boudreau

Oak Park Federal Savings  
G. Heileman Brewing Company  
Metropolitan Buick Dealers  
Keroll's Me's Wear  
The Walgreen Company

- 720 \*WGN IL Chicago
- 930 WTAD IL Quincy
- 980 WITY IL Danville
- 1050 WQZ IL Decatur
- 1110 WHYT IN Noblesville
- 1230 WSAI IN Logansport
- 1240 WTAX IL Springfield
- 1250 WGL IN Fort Wayne
- 1300 WAAC IN Terre Haute
- WBLG KY Lexington
- 1350 WIOU IN Kokomo
- 1400 WGIL IL Galesburg
- WBAT IN Marion
- WROZ IN Evansville
- 1460 WKAM IN Goshen
- 1490 WFKY KY Frankfort
- WOMI KY Owensboro
- 1580 WCCR IL Urbana
- 1590 WNTS IN Indianapolis

MONTREAL EXPOS  
(English)

Dave Van Horne  
Russ Taylor

O'Keefe Breweries  
American Motors  
Electro-Holms Stereo & TV  
Swift Meat Products  
Loto Quebec  
Steiberg's Supermarket Chain  
Pepsi-Cola  
Texaco

- 600 \*CFCF Que Montreal
- 620 WVMT VT Burlington
- 800 CJBQ Ont Belleville
- 900 CKTS Que Sherbrooke
- 1350 CHOV Ont Pembroke
- CKLB Ont Oshawa

MONTREAL EXPOS  
(French)

Jacques Doucet  
Claude Raymond

(Sponsors same as English network)

- 550 CHLN Que Three Rivers
- 630 CHLT Que Sherbrooke
- CJLA Que Lachute
- 730 \*CKAC Que Montreal
- 900 CJBR Que Rimouski
- CKJL Que St. Jerome
- 970 CKCH Que Hull
- 1240 CJAF Que Cabano
- 1280 KCKV Que Quebec
- 1320 CJSD Que Sorel
- 1350 CJLM Que Joliette
- 1370 CFLV Que Valleyfield
- 1400 CJFP Que Riviere du Loup
- 1420 CJMT Que Chicoutimi
- 1450 CHEF Que Granby
- CHRT Que St. Elieuthere

NEW YORK METS

Lindsey Nelson  
Bob Murphy  
Ralph Kiner

Household Finance Corporation  
Ballantine Beer  
Chrysler-Plymouth Dealers of New York  
Dairyles  
Long Island Lighting Company

- 1050 \*WHN NY New York

(No further information available)

PHILADELPHIA PHILLIES

Byrum Seam  
Harry Kalas  
Richie Ashburn

Schmidt's Beer  
Tasty Baking Company  
MAB Paints



- 580 WIBW KS Topeka
- 660 KOWH NE Omaha
- 690 KGGF KS Coffeyville
- 960 KMA IA Shenandoah
- 980 \*KMBZ MO Kansas City
- 1010 KIND KS Independence
- 1130 KBLR MO Bolivar
- 1230 KTNC NE Falls City
- 1240 KIUL KS Garden City
- KNEM MO Nevada
- 1260 KWHK KS Hutchinson
- 1280 KDKD MO Clinton
- 1290 KWNS KS Pratt
- 1300 KMMO MO Marshall
- 1340 KSEK KS Pittsburg
- 1340 KGFV NE Kearney
- 1370 KGNO KS Dodge City
- 1390 KAMD AR Rogers
- KNCK KS Concordia
- 1400 KAYS KS Hays
- KVDE KS Emporia
- 1420 KULY KS Ulysses
- 1450 KOKO MO Warrensburg
- 1460 KKDY KS Chanute
- 1470 KARE KS Atchison
- 1490 KDMD MO Carthage
- KDRO MO Sedalia
- 1530 KDSN IA Denison
- KECK NE Lincoln
- 1560 KABI KS Abilene
- 1570 KLEX MO Lexington
- 1580 KNIM MO Maryville
- 1590 KVGB KS Great Bend

MILWAUKEE BREWERS

Merle Harmon  
Bob Uecker

Schlitz Brewing Company  
M & M/Mars  
American Dairy Association  
First Federal Savings & Loan  
Mc Donalds  
Oscar Mayer  
American Motors

- 580 WKTY WI La Crosse
- 620 \*WTMJ WI Milwaukee
- 710 WDSM WI Superior
- 810 WYYS WI Tomahawk
- 910 WDOR WI Sturgeon Bay
- WHSM WI Hayward
- 960 WTCH WI Shawano
- 980 WPRE WI Prairie du Chien
- 990 WNNO WI Wisconsin Dells
- 1220 KOUR IA Independence
- 1230 WCLO WI Janesville
- WXCO WI Wasau
- 1240 WIBU WI Poynette
- WOMT WI Manitowoc
- 1260 WWIS WI Black River Falls
- 1290 WCOW WI Sparta
- 1310 WIBA WI Madison
- 1320 KMAQ IA Maquoketa
- 1350 WPDR WI Portage
- 1380 WBEL IL South Beloit
- 1400 WBIZ WI Eau Claire
- 1430 WBEV WI Beaver Dam
- 1450 KFIZ WI Fond du Lac
- WRCO WI Richland Center
- 1470 WBKV WI West Bend
- 1490 WIGM WI Medford
- 1570 WAPL WI Appleton
- 1590 WIXK WI New Richmond
- WSWW WI Platteville

Gino's Hamburgers  
 Chrysler-Plymouth Dealers  
 Girard Bank of Philadelphia  
 Coca-Cola  
 Sun Oil  
 Sears, Roebuck and Company

800 WCHA PA Chambersburg  
 850 WEEU PA Reading  
 1150 WDEL DE Wilmington  
 1210 \*WCAU PA Philadelphia  
 1220 WJUN PA Mexico  
 1230 WBPZ PA Lock Haven  
 1270 WLBR PA Lebanon  
 1340 WBRE PA Wilkes-Barre  
 1360 WPPA PA Pottsville  
 1400 WEST PA Easton  
 WICK PA Scranton  
 WRAK PA Williamsport  
 1420 WCOJ PA Coatesville  
 1450 WFPG NJ Atlantic City  
 1480 WISL PA Shamokin  
 1490 WCAL PA Lancaster  
 WMRF PA Lewistown

PITTSBURGH PIRATES

Bob Prince  
 Nellie King

Pittsburgh Brewing

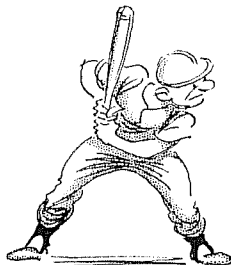
1020 \*KDKA PA Pittsburgh

(No further information available)

ST. LOUIS CARDINALS

Jack Buck  
 Mike Shannon  
 Bob Starr

Anheuser-Busch  
 Chevrolet  
 Sun Oil Company  
 Laclade Gas Company  
 Steak n' Shake  
 Cotter Hardware  
 General Finance Corporation



580 WELO MS Tupelo  
 600 WREC TN Memphis  
 630 KVMA AR Magnolia  
 740 KCMC TX Texarkana  
 910 WAKO IL Lawrenceville  
 930 WTAD IL Quincy  
 KWOC MO Poplar Bluff  
 960 KFVS MO Cape Girardeau  
 970 WMAY IL Springfield  
 990 KAYL IA Storm Lake  
 1010 KLRA AR Little Rock  
 1050 KMIS MO Portageville  
 1090 WCRA IL Effingham  
 1120 \*KMOX MO St. Louis  
 1130 WWCM IN Brazil  
 1230 WHCO IL Sparta  
 WJBC IL Bloomington  
 WHOP KY Hopkinsville  
 KLWT MO Lebanon  
 KODE MO Joplin  
 WBBZ OK Ponca City  
 1240 KWAK AR Stuttgart  
 WEBQ IL Harrisburg  
 KBIZ IA Ottumwa  
 KFMO MO Flat River  
 KWOS MO Jefferson City  
 1250 WRAY IN Princeton  
 1260 KGBX MO Springfield  
 1270 WEIC IL Charleston  
 KFBD MO Wayneville  
 1280 KSOK KS Arkansas City  
 KLCO OK Poteau  
 1290 WCBL KY Benton  
 1310 KOKX IA Keokuk  
 1320 KWHN AR Fort Smith  
 1340 KBTA AR Batesville  
 WJPF IL Herrin  
 WBIW IN Bedford  
 KSMD MO Salem  
 1360 KFFA AR Helena  
 1370 KAWW AR Heber Springs  
 1390 KCRC OK Enid  
 1400 WDWS IL Champaign

KVFD IA Fort Dodge  
 KFRU MO Columbia  
 KSIM MO Sikeston  
 1420 KPOC AR Pocahtontas  
 1450 WKEI IL Kewanee  
 WADV IN Vincennes  
 WPAD KY Paducah  
 WROX MS Clarkdale  
 KIRX MO Kirkeville  
 KGFF OK Shawnee  
 1460 WROY IL Carmi  
 1470 WMBD IL Peoria  
 WNAU MS New Albany  
 1490 KDRS AR Paragould  
 WDNAN IL Danville  
 WKRO IL Cairo  
 1500 WGEN IL Geneseo  
 1550 WJIL IL Jacksonville  
 1560 WBYS IL Canton  
 WBOL TN Bolivar  
 1570 KBRI AR Brinkley  
 WTAY IL Robinson  
 1580 KPCA AR Marked Tree  
 WDQN IL Duquoin  
 1580 WAMW IN Washington  
 WPMP MS Pascagoula  
 1590 KCLU MO Rolla

NATIONAL LEAGUE-WEST

ATLANTA BRAVES

Milo Hamilton  
 Ernie Johnson

Coca-Cola  
 Chevrolet  
 Goody's Headache Powder  
 Sterling Beer  
 Cotton State Insurance  
 Delta Airlines  
 General Finance Corporation  
 Sunbeam Bread  
 Orkin  
 Hormel  
 Trust Company Bank  
 Atlanta Beverage  
 Walton Clothier  
 Six Flags Over Georgia

750 \*WSB GA Atlanta

(No further information available)

CINCINNATI REDS

Marty Brennaman  
 Joe Nuxhall

Stroh Brewery  
 Marathon Oil  
 Frisch's Big Boy Restaurants  
 First National Bank of Cincinnati  
 Pepsi-Cola

560 WJLS WV Beckley  
 580 WCHS WV Charleston  
 620 WETE TN Knoxville  
 680 WCTT KY Corbin  
 700 \*WLW OH Cincinnati  
 730 WFMW KY Madisonville  
 910 WPFB OH Middletown  
 920 WLIV TN Livingston  
 930 WQNT WV Huntington  
 970 WATH OH Athens  
 WWYO WV Pineville  
 990 WITZ IN Jasper  
 WJEH OH Gallipolis  
 1000 WREM KY Jenkins  
 WHTH OH Heath  
 1050 WNES KY Central City  
 1150 WIMA OH Lima  
 1190 WAMB TN Donelson  
 1230 WAND KY Pineville  
 WHIR KY Danville  
 WIRO OH Ironton  
 1240 WHBU IN Anderson  
 WFTM KY Mayeville  
 WHIZ OH Zanesville  
 1290 WHIO OH Dayton  
 WOMP OH Bellaire  
 WVDW WV Logan  
 1330 WKOV OH Wellston  
 1340 WLBC IN Muncie

May 4, 1974

WEKY KY Richmond  
 WNCO OH Ashland  
 WMON WV Montgomery  
 1370 WGDH KY Grayson  
 1390 WTOO OH Bellefontaine  
 1400 WPAY OH Portsmouth  
 WBTH WV Williamsport  
 1440 WPCW IN Portland  
 1450 WKZZ IN Fort Wayne  
 WXVW IN Jeffersonville  
 WLAF TN La Follette  
 1490 WKBV IN Richmond  
 WKAY KY Glasgow  
 WBEX OH Chillicothe  
 WMOA OH Marietta  
 1520 WSVL IN Shelbyville  
 1550 WCVL IN Crawfordsville  
 WPDF IN Corydon  
 1560 WVAK IN Paoli  
 1570 WKKS KY Vanceburg  
 WGLX OH Galion  
 WPTW OH Piqua  
 1600 WSTL KY Eminence

HOUSTON ASTROS

Gene Elston  
 Loel Passeo

Texaco  
 Lone Star Beer  
 Chevrolet  
 L. A. Frey & Sons Meat Company  
 Siegfriedt

950 \*KPRC TX Houston

(No further information available)

LOS ANGELES DODGERS

Vince Scully  
 Jerry Doggett  
 Jaime Jarrin (Spanish)  
 Rudy Hoyos, Jr. (Spanish)

Union Oil  
 Farmer John Meat Products  
 Olympia Beer  
 Union Bank

790 \*KABC CA Los Angeles

950 XEGM BCN Tijuana (Spanish)

(No further information available)

SAN DIEGO PADRES

Jerry Coleman  
 Bob Chandler

600 \*KOGO CA San Diego

(No further information available)

SAN FRANCISCO GIANTS  
 (Golden West Radio Network)

Al Michaels  
 Art Eckman

Standard Oil of California  
 Chevrolet  
 Budweiser Beer  
 United Air Lines  
 California Blue Shield  
 U. S. Steel  
 Commercial Credit Corporation

560 \*KSFO CA San Francisco

570 KCNO CA Alturas

580 KMJ CA Fresno

600 KVCV CA Redding

620 KWSD CA Mount Shasta

630 KIDD CA Monterey

KOH NV Reno

970 KBEE CA Modesto

980 KINS CA Eureka

1230 KDAC CA Fort Bragg

1240 KPLY CA Crescent City

1290 KHSL CA Chico

1400 KUKI CA Ukiah

1490 KSYC CA Yreka

1530 KFBK CA Sacramento



# U.S. and Peru Find Aurora Near Equator

BY MARVIN MILES  
Times Aerospace Writer

A joint U.S.-Peruvian space mission has found evidence that auroral activity occurs not just in the polar regions, but also in the ionosphere near the earth's geomagnetic equator, midway between the north and south magnetic poles.

"This is like finding a polar bear in the San Gabriel Mountains," one scientist said of the data returned by a sounding rocket flown March 29 near Lima, Peru.

Scientists from Aerospace Corp. in El Segundo, and the University of Texas in Dallas, teamed with the U.S. Air Force, the Peruvian Geophysical Institute and the Peruvian government to discover the ionospheric phenomenon which, unlike the polar aurora borealis, is invisible.

Basic objective of the mission was to further the understanding of ionospheric disturbances for the benefit of both military and civilian space and communications programs, scientists explained.

Their Canadian-built Black Brant sounding rocket, launched from a beach near the village of Pucusana, 30 miles south of Lima, climbed vertically to a height of 447 miles and reported aurora-like protons and electrons in both the ascent and descent stages between the altitudes of 124 and 310 miles.

Presence of the particles had been suspected after radar studies discovered turbulent areas in the ionosphere, the earth's atmospheric shell characterized by ion density, that extends to an indefinite height from a base roughly 50 miles high.

Research conducted at the Jicamarca Radar Observatory near Lima had reported the recurring ionospheric phenomenon for several years, a disturbance known as "Spread F" for its appearance on radar returns, but its nature was uncertain.

Fred A. Morse, an Aerospace Corp. specialist in upper atmospheric physics, and Walter Heikkila, a Texas University scientist, heard a discussion of the Spread F findings by Ronald F. Woodman, director of the Peruvian radar observatory, and decided to help solve the mystery.

Morse explained that the ionosphere was believed quiescent in the geomagnetic equatorial region until the radar Spread F findings in Peru suggested a similarity to auroral disturbances at the poles.

# Van Deerlin backs new regulations

By Phil Coldwell

Congressman Lionel Van Deerlin, D-San Diego, said he has been trying to promote legislation in Congress which will change the current Federal Communication Commission (FCC) regulations for relicensing broadcast stations.

Speaking yesterday before telecommunication and film classes, Van Deerlin said the FCC has been inefficient in granting license renewals. Van Deerlin was once a newscaster for Channel 6 television and has an insight into the problems of the media.

"All too often, you find evidence that licenses have been extended without regard to performance," said Van Deerlin. "Licenses are held in the public domain. They belong to the people."

Van Deerlin cited an example of a Los Angeles television station which was not promoting public affairs programs and was showing such movies as "Jack the Ripper" on Saturday mornings. Yet, Van Deerlin said, this station was relicensed without question.

Van Deerlin has been part of a House committee which has written new legislation. If passed, the new bill would provide for a four-year license and would offer two means for relicensing.

The first means would be a petition to deny brought about by citizens dissatisfied with the station's format.

"The petition to deny goes to the FCC for hearing," said Van Deerlin. "It's a question of whether the present license should be renewed, not whether a competitor should take over."

If a competitor wishes to challenge a renewal, he must present his case before the FCC.

"The seven-member commission must make the determination whether or not the challenger can do a better job," said Van Deerlin.

Van Deerlin said much of the problem lies with the FCC. Right now, the commission has only four members and if one leaves, there isn't even a quorum, he said.

Van Deerlin added the FCC is

just one of the many governmental agencies which are inefficient. He cited inadequacies in the Federal Aviation Administration and Securities Exchange Commission to demonstrate his point.

"These agencies are all within the range of the oversight of Congress," said Van Deerlin. "The only way to improve is to have an administration appointing interested public servants."

Van Deerlin said the most responsible member on the FCC was Nick Johnson, who has tried to point out the inadequacies of relicensing. Johnson's appointment was not purposeful however, said Van Deerlin. Johnson was a member of another commission and raised such a ruckus that the commission put pressure on President Lyndon Johnson to transfer him.

Besides talking about the relicensing problem, Van Deerlin also spoke about the problems of cable television. When cable television first began, the broadcast stations panicked, thinking that it would drive them from business.

"In the matter of cable regulation, the FCC at first probably didn't have the technical know-how on how to handle it," said Van Deerlin. "More likely, they didn't have political guts to face up to it."

# Financial woes could ease order

OTTAWA (CP) — The CBC was ordered Monday to cut down or eliminate advertising on its radio and television programs in a move the Canadian Radio-Television Commission said could be the start of a trend in North America.

At the same time, CRTC chairman Pierre Juneau said the order could be changed if it proves financially impossible for the publicly-owned CBC to carry out.

Mr. Juneau told a news conference that the order would cost the CBC millions of dollars, but the CRTC wants the CBC to break out of the commercial advertising mould and set the pace in Canada and North America.

The state-owned corporation could lead a North American movement against the influence of advertising on programming.

Graham Spry, a director of the Canadian Broadcasting League, said in an interview that reducing advertising on the CBC is a good move. The league represents individuals and consumer, farm, labor, church and other groups.

"However, quite clearly the CBC is going to have to spend more and more on programs," Mr. Spry said.

"It seems to me irresponsible for one Crown agency to impose a policy on another Crown agency which will increase its costs yet provide no precise means for additional revenue."

Mr. Juneau told reporters that it is not the commission's job to decide how to pay for CBC operations. The CRTC's role was to outline policy to strengthen the Canadian broadcasting system.

He agreed that additional advertising revenue now will be available for private broadcasters, such as the struggling Global television network in Ontario. Global officials have said new financing proposals will shortly be presented to the commission.

Mr. Juneau said the CBC would have to make up revenue lost from reduced advertising through government-sponsored aid. He said he was not suggesting how this be done but the corporation had once received considerable revenue from radio receiver fees.

If the CBC is unable to get the additional financing and cannot do its job there would have to be a "sensible arrangement" to meet the corporation's needs, he said.

The cabinet also had the power to tell the CRTC to alter its policy.

The important point was that the CBC feel independent of advertisers. This was not a condemnation of advertisers as they had their job to do and private broadcasters had to rely on commercial revenue.

But there is a growing impatience in North America with the influence of Madison Avenue advertising on broadcasting, Mr. Juneau said. "We have the most interesting agency here (the CBC) to take over that leadership."

## Radio dial

# Objection for waiver from competitor

By VICTOR STREDICKE  
Radio Editor

KIXI is treading on untested ground when it asks the Federal Communications Commission to waive some rules and accept an application for a change of frequency and corresponding power increase.

KIXI wants to be on equal footing with such grandfathers stations as KIRO, KOMO and KING. (What KIXI is asking for has only been granted by mistake in the past.) KIXI wants to operate on a clear-channel frequency, a setting on the radio dial that is shared only by full-time stations in Lexington, Neb., and New York City. If accepted, KIXI intends to show the commission that the change would be of benefit to Seattle listeners and would not harm listeners in Nebraska nor New York State, to say the least.

As is the right under F. C. C. rules, radio stations which might have an interest in the case may enter oppositions to the petition.

KIRO did. KIRO's Washington lawyers filed opposed the change because the F. C. C. said it might someday assign the frequency to North Dakota or South Dakota applicants. KIRO also said the commission should not listen to KIXI's point that more Puget Sound listeners could hear C. B. S. news and programs. The opposition paper says network affiliations are "subject to change at any time through private contractual arrangements."

KIRO alerted the commission to the fact that it competes with KIXI for advertising and for listeners.

A power increase has been approved for KBES-AM, Bellevue. Within a year, Stewart Ballinger, general manager, said, the signal will be boosted from 1,000 watts to 5,000 watts—all beamed to the East Side. Better reception is not anticipated in other Seattle suburbs.

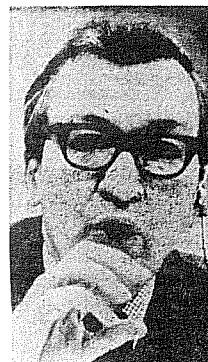
# wdxl

## 1310 RADIO

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RADIO 124 - WMPA

P. O. BOX 98 / ABERDEEN, MISSISSIPPI 39730



PIERRE JUNEAU  
... Ottawa aid needed

# SEX.

THE TALK OF MIAMI, WKAT 1360

The Old Radio Shop  
The 2.4 KHZ SSB Filter on AM  
--Grant Manning-John Kolb

Due to many letters, and little time this article has been coming for quite awhile now... it is strongly suggested that those not familiar with electronics stay out of their SPR4's, as a solder splash in the wrong spot can cause plenty of trouble!

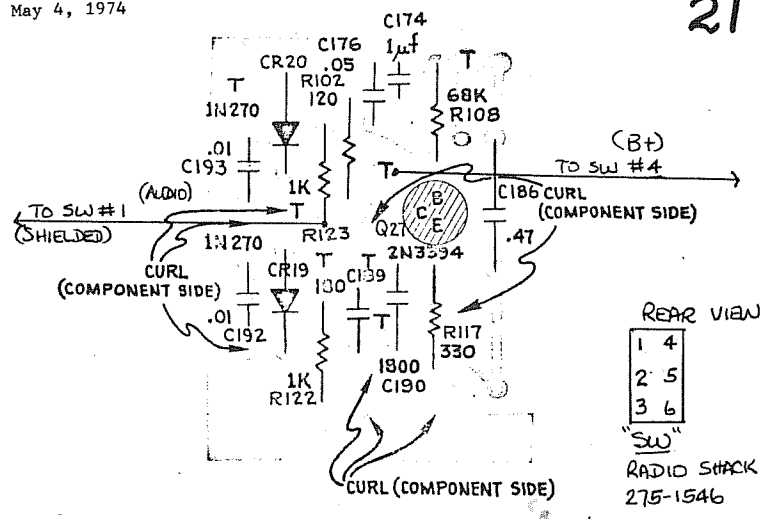
The actual conversion, allowing use of the SSB filter without the BFO is quite simple. You will need about three feet of shielded audio cable, small stuff if available, about the same amount of #22 stranded hookup wire, and a DPDT switch, (Radio Shack 275-1546) We mounted our switches on the front panel, but if the idea of drilling a hole in your receiver bothers you, it could be mounted on the rear panel.

1. Remove case top and bottom.
2. Remove knobs, pointers, and phone jack nut.
3. Drill 1/4" hole, 2 1/4" from bottom of front panel, 1/8" from left side. Use small drill for pilot hole, and follow with bigger ones until 1/4" is reached.
4. Remove front panel.
5. Install switch on sub-panel.
6. Connect wire from B+ terminal on AM DET board to term. 5 on SW. Route this and others thru 1" square hole beneath volume control. (This will be in parallel to two (wh/brn) existing wires)
7. Cut etch on AM DET board, on AM lead, and connect wire from etch to term. 6 on SW. (See figure 36)
8. Remove wire, wh/bl from SSB B+ point on AM DET board, to BFO board.
9. Connect lead from SSB B+ term, on BFO board to term. 4 on SW. (See figure 35)
10. Connect center of shielded cable to audio in term on AM DET board. (parallel to two cables already there) other end to SW term 2.
11. Remove shielded cable (wh/gn center conductor) from AM DET board to BFO board. Connect new shielded cable from BFO board (audio out) to SW term 1. Ground shield at BFO board at this time.
12. Run shielded lead from SW term 3 to AM out etch on AM DET board. Cut etch coming from S-14. (See figure 36)
13. Tie all shields together at SW.

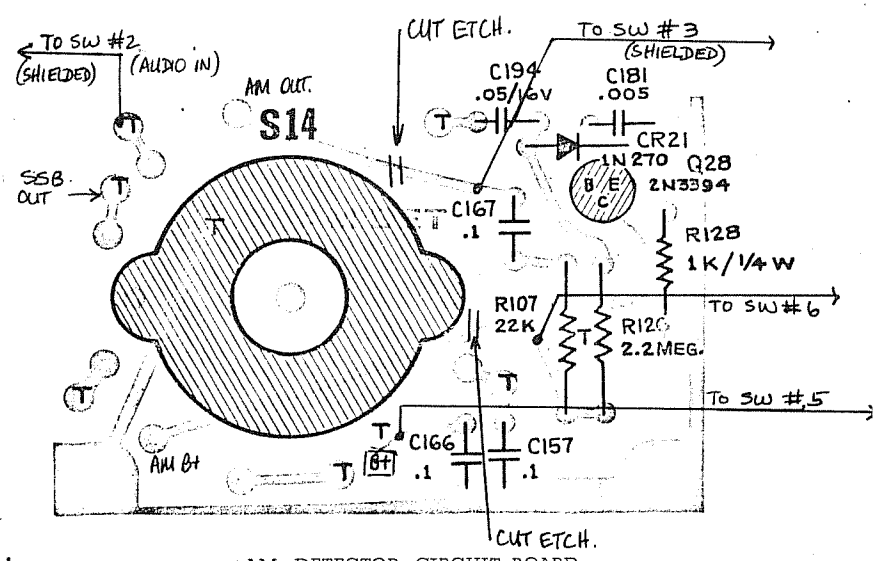
Essentially all that is done, is the BFO is killed, and the AM detector is energized, and the audio switched from the SSB out to the AM DET out. This was not possible before as SW-14 in the receiver did all the switching. Your tuning will be 2.4 KHZ high, or low, depending on which (USB, or LSB) position your "mode" switch is.

As long as the bottom cover is off the receiver- if a 2.2 Meg resistor is strapped across R-100, (a 6.8 Meg unit there already.) You will have suitable AVC response time for AM. (fast) I picked 2.2 Meg because I had it. Probably any 1-2.7 Meg would give decent results. This could be switched in and out with a front panel switch, if desired. R-100 is located on the power supply board. Install resistor on etch side. I found it convenient to have a BNC jack for antenna connector instead of the RCA - a BNC fits nicely in the hole next to the existing RCA jack, allowing use of either plug.

14. Re-assemble receiver.



BFO CIRCUIT BOARD  
Figure 35



AM DETECTOR CIRCUIT BOARD  
Figure 36

\*\*\*\*\*

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\*\*\*\*\*

SIMPLIFIED RANGE  
AND  
BEARING COMPUTATIONS

Ron Schatz

22 CFRB fined maximum \$5,000  
for Sinclair election-eve talk

Of all the articles on this subject that have appeared in these pages, this one offers by far the simplest yet most accurate method for computing receiver-to-transmitter ranges and bearings. The RFS method consists of only four (4) steps and employs just three (3) basic formulas, one of which is essential only in a computer programme:

Where ....

- (lat R) = your latitude
- (lat T) = the station's latitude
- (long diff) = station's longitude, less yours

STEP ONE - Range Calculation:

$$\cos(R) = \sin(\text{lat } R) \times \sin(\text{lat } T) + \cos(\text{lat } R) \times \cos(\text{lat } T) \times \cos(\text{long diff})$$

Rx60 = range in International Nautical Miles  
Statute miles = INM x 1.15078  
Kilometres = INM x 1.852

STEP TWO - Quadrant Bearing Calculation:

$$\sin(Q) = [\cos(\text{lat } T) \times \sin(\text{long diff})] / \sin(R)$$

Q = bearing E or W of N or S.

STEP THREE - Local Equator Calculation:

(For use only in a computer programme and where correct quadrant is not apparent from sight or knowledge)

$$E = \cos(\text{long diff}) \times (\text{lat } R)$$

STEP FOUR - True Bearing Calculation:

- a) If (long diff) + & (lat T) > E:  
B = Q
- b) If (long diff) + & (lat T) < E:  
B = 180 - Q
- c) If (long diff) - & (lat T) < E:  
B = 180 + Q
- d) If (long diff) - & (lat T) > E:  
B = 360 - Q

Remember to use the "absolute" (signless) value of (long diff) in the three major formulas. Also assign negative (-) values to "S" latitudes and to "W" longitudes.

EXAMPLE: Monterrey, NL from Miami, FL

(lat R) = 25°N 47'      (lat T) = 25°N 40'  
(long diff) = 100°W 19' - 80°W 12' = 20°W 07'

I)  $\cos(R) = .435 \times .433 + .900 \times .901 \times .939$   
 $\cos(R) = .951$       R x 60 = 1086 INM  
Miles = 1250      Kilometres = 2012

II)  $\sin(Q) = (.900 \times .344) / .311 = .998$   
Q = 86°

III) E = .939 x 25°N 47' = 24°N 12'

IV) 20°W 07' is negative (-), & ...  
25°N 40' > 24°N 12', so .....  
B = 360 - 86 = 274°

-30-

By ANNE PARSONS

Radio station CFRB was fined the maximum \$5,000 in Provincial Court yesterday for breaching the Broadcasting Act with a program by commentator Gordon Sinclair on the eve of the 1971 provincial election.

The Crown argued during the case that Mr. Sinclair made partisan political comments in the program. News and Comment, on Oct. 20, 1971.

The Broadcasting Act bans "political broadcasts" for 24 hours before an election.

Judge A. W. Davidson told the court that in his judgment the station must be held responsible although Mr. Sinclair as an employee of the radio station made the broadcast.

Donald Hartford, CFRB president, said in a statement yesterday that the radio station would appeal the decision.

"If CFRB allows him to say what he likes, they must suffer the consequences," Judge Davidson said, adding that no evidence had been presented to show the radio station was unaware of the content of the broadcast.

Judge Davidson questioned the apparent lack of control over such broadcasters as Mr. Sinclair.

"Surely there must be some control over this man... Surely, if he's allowed to say whatever he wants, there is no control... He could advocate revolution or whatever he wants."

And when defence counsel Allan Millward suggested that the practice of allowing such commentators freedom of speech indicated the radio station was being "courageous and independent" as well as "admirable," Judge Davidson again questioned such practices.

"Engaging people who purposely break the law is not admirable," he told the court.

Judge Davidson was referring to Mr. Sinclair's openly

declared opposition to the act during his broadcast. The judge quoted from a transcript of the broadcast:

"There is a stupid rule which says that newspapers are free to comment in this way—the way I am doing now—but radio stations and their people like me are supposed to remain silent, and I am saying I am not silent."

"And I'm not just making a mistake, I am defying this stupid rule. I think the rule is absolutely nuts. It is discriminatory in favor of newspapers. And it's an insult to voters' intelligence."

Judge Davidson told the court that the Broadcasting Act was written for the protection of the public and clearly prohibits partisan broadcasts immediately prior to elections.

"In my opinion, Sinclair's conduct was inexcusable," Judge Davidson told the court—although earlier he conceded that there was no evidence that anyone was influenced by the broadcast; except possibly Mr. Sinclair himself.

Judge Davidson also told

the court that he might have "looked on this case in a different manner" if evidence had been presented to show that Mr. Sinclair had made the broadcast of his own accord, without the radio station having any knowledge of the intention or content of his program.

And since there were "no mitigating circumstances," as he told the court, Judge Davidson said he had to think of deterrents for such a case and therefore would impose the maximum fine.

The minimum fine for breaching this section of the Broadcasting Act is \$100. But John Morin, counsel for the Canadian Radio-Television Commission which charged the radio station with the offence, suggested to the court that a maximum as opposed to a minimum fine be levied, since the broadcast violation was "no accident."

The year-round daylight saving time law is costing radio station WLIB around \$1,700 a week in lost revenues and is threatening the survival of the Harlem-based station, according to Dorothy Brunson, its general manager.

The station is owned by a consortium of blacks from the metropolitan area who, as Inner City Broadcasting Corporation, bought it from white owners in July, 1972. Miss Brunson said the station was struggling to find its economic footing before the daylight saving law went into effect in January, "and this additional pressure, which is going to affect us eight months of the year, puts us in a critical financial position."

Like all daytime-only radio stations that are licensed to broadcast only between sunrise and sunset, WLIB has lost an hour of early-morning broadcast time, which is radio's prime time, the period when its audiences are largest and its advertising rates highest.

Early Morning Valuable

The evening hour that the daytime stations gain under daylight saving time is also premium "drive time" but not nearly as valuable, in terms of audience size, as early morning.

The Federal Communications Commission has given permission to WLIB, along with other daytime stations in the country, to operate on limited power of 50 watts before sunrise to lessen the economic sting of the daylight saving time law.

But, WLIB, which normally operates on 10,000 watts of power, has a transmitter that is in the northern New Jersey swamp flats, although its studios are in Harlem. At only 50 watts, its signal would carry about 10 miles, Miss Brunson said.

Following an engineering survey that showed that there would be no collision of broadcast signals if WLIB were to increase its power to 1,260 watts before sunrise, the station appealed to the F.C.C. for a waiver of the 50-watt maximum. The commission rejected the request because it feared one such waiver would bring on a flood of other requests.

Miss Brunson said the first hour of the morning had produced 15 per cent of the station's total daily revenues, before daylight saving time went into effect. The station has been able to recoup about one-third of those revenues, which puts the loss at approximately 10 per cent she said.

WLIB is studying other possible courses of action to gain permission to broadcast at 1,260 watts at 7 A.M., which would include an appeal to the public to join the station's cause, she said.

Radio unit located in mall

KROW, a radio station with a Salem-Dallas area audience, is now located in the Lancaster Mall.

The general office was moved from the Salem-Dallas Highway near Dallas Thursday. Earlier this month the station began part-time broadcasting from the mall.

KROW will now broadcast from the mall daily from 1 p.m. to early evening, according to Dave Mehlovitch, general manager.

To meet license requirements, at least 51 per cent of KROW's broadcasting must originate in the Dallas Highway studios.

The station is owned by Polk County Broadcasters, Inc. It broadcasts from 6 a.m. to sundown. KROW will soon petition the government for permission to broadcast 24 hours a day, Mehlovitch said.

Capital Journal, Salem, Ore.

Charles' visit an April Fool

ST. CATHARINES (CP) — John Larocque, morning man on a radio station here, had hundreds of people out along the Welland canal Monday in hopes of catching a glimpse of Prince Charles.

Mr. Larocque said the prince was scheduled to pass by on a lake freighter, but it was just an April Fool's prank.

RADIO FOR WESTERNERS



KSP0 1230

General Office / B. O. F. Bldg. / 3rd & Monroe / Spokane, Washington 99204 / TE 8-4288

EASIEST TO HEAR FROM:

**BRITISH COLUMBIA.** CHQM-1320 MM's about 0230 hrd twice here, in Feb & Aug, only 2-3 mins each time. Weak but distinct o/HIS (RCM-OU). CBU-690 (RJE-NJ). CBU-690 occasionally at s/off o/a Cuban Q407 (DP-IL). Many stns each morning: CBU-690, CKTG-730, CKXZ-1130, CFMH-1320, CFUN-1410, CHUB-1570, CKDA-1220. Others hrd occasionally include CJOR-600 CJJC-850 (not on 800-bc), CKMM-980. CFAX-1070 hrd once (JAM-MAH). All the stns JAM listed plus CHNL-610, CKOV-630, CKOK-800, CJVI-900, CJHL-1230, CKWK-1270, CHFO-1370, CKKL-1390, CINI-1400, CFSP-1440, CJVB-1470, & CKAY-1500 are regarded as nests here. Take your pick. (bc, PB - WA).

**CALIFORNIA.** KMX-1070 MM's when 1070 is clear & WC cx are good. KFI-640 harder due to GM. Usually hrd u/CM when WC cx are good, rarely o/CM (RCM-OU). KFI-640 (RJE-NJ). No question KFI-640 is easiest w/Cuban muffled after WILH s/off. KXK-1070, KDAY-1530, KFBK-1530, & KNBR-680 all good bets after 0100 MM's. KFI hrd nightly (TRS-NJ). KMX-1070 hrd in the fall o/CHOK abt 3 hrs after sunset. Almost a regular (PB-MI) KNBR-680 good on MM, KPIC-1560 fair after WDKR s/off, KGBS-740 fair on MM. KGBS-1020 fair-good MM u/KDKA OG, KFBK-1530 good MM after WGRY s/off (AWO-IN). KXK-1070, KFI-640 MM regulars. KGBS-1020, KNBR-680, & KGBS-740 often MM's (DP-IL). KFI-640 hrd regularly after 10pm, no ORN. KNBR-680 fair after 1 am ORN from KFTO & CJOB (AD-WI). Many in eves incl. KFI-640 u/CM, KGBS-740, KGO-910, sometimes KPIC-610, KGBS-1020, KXK-1070 (WISO ORN), KFBK-1530, KDAY-1530, KPIC-1560, KXK-1550 (after CBS s/off) (JAM-MAH). All the above are best along with about 25 others. About 60-70 can be hrd regularly but it would take too long to list them. (bc, PB-WA).

**COLORADO.** KOA-850, KPIK-1580 (RJE-NJ). KOA-850 best bet, KIMM-950 sometimes MM's before 0330 s/off (TRS-NJ). KOA-850 hrd only once long enuf for a rpt w/good sig around 4-5 am. Lots of ORN at nite from KPIX WJW MAC WFRU & CJVL (TW-VA). KOA-850 best after WKBY s/off, KIMM-950 & KIMO-1060 on SSS. KPIK-1580 a reg. on SSS (PB-MI). KAAT-1090 good on SSS o/u KAAY, KIZ-560 good on MM, KOA-850 good anytime eves & AM, KHON-630 good on MM, KPIK-1580 fair on SSS (AWO-IN). KOA-850 every nite w/little or no ORN, KHON-630, KIZ-560 & KIMM-950 often on MM. KPIK-1580 good on SSS (DP-IL). KOA-850 best around 2400 EST, good, little ORN (GS-IL). KOA-850 strong every nite after 3 pm. ORN from CJVL, KHON-630 after midnight, ORN from WJAP, KOSI-1430 after 2400, rare, ORN from WIL/CJPH (AD-WI). Many eves, easiest include KLAZ-1600, KDKO-1510, KREX-1100, KOA-850, KRFZ-710 w/WBB ORN, KIZ-560, KHON-630 when CKRS off, KPKA-1310, KPDH-1340, KPZA-1230, KYOU-1450, KXMI-1550, KXMI-1390 on SSS, KFSO-1220 on SRS (JAM-MAH). KOA easiest nites w/local KTAG muffled. KLAZ-1600 battles KAGH eves, KHON-630 MM's w/CKOC muffled, KREX-1100 eves w/severe KILN-1090 splash, KOSI-1430 fair after 2400 PLT, KPLK-1280 sometimes eves & AM u/KIT (bc, PB-WA). Also KDKO-1510 MM's before KGA s/on (bc-WA).

**CONNECTICUT.** WTIC-1080 nightly c/sint sig. Post. WYOW-1590, WAVE-1300, WDRS-1360, WPOP-1410 bests, almost nightly (RCM-OU). WTIC-1080 (RJE-NJ). WTIC-1080 (TRS-NJ). WTIC-1080 fr-gd most nites, WDRS-1360, WPOP-1410 & WYOW-1590 occ w/fair sigs (TW-VA). WTIC-1080 a reg o/u WRLD (PB-MI). WTIC & WELI-960 r/c (AWO-IN). WTIC every nite w/slight WRLD/WJLO. WPOP-1410 good at SSS & eves w/WJHG (DP-IL). WTIC best after 2400 w/lotsa ORN (GS-IL). WTIC-1080 good after 3 pm WRLD ORN (AD-WI). WTIC easiest & only one (JAM-MAH). WTIC (who else) MM's after 0200 PLT KING s/off w/KIOR ORN (bc-PB, WA).

**DELAWARE.** Nothing regular. WDEL-1150 use to be the easiest but hasn't been hrd for 1 1/2 years. WDEL-1150 best bet, can be hrd once in a long while. WILM-1450 hrd twice but not a regular (RCM-PQ). WDEL-1150 (TRS, RJE-NJ). WDEL-1150 hrd most nites o/a jumble w/CKOC ORN (TW-VA). WDEL-1150 fair at MM s/on, WAMS-1380 fair on r/c (AWO-IN). WDEL-1150 hrd once u/CKOC at 0450 MI s/on (DP-IL). Forget it! Prob the hardest state of all to hear in this part of the country (bc, PB-WA).

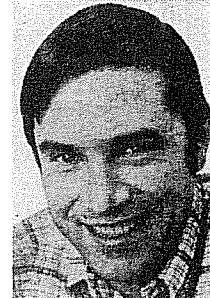
Contributors this time:

- |                                    |                               |
|------------------------------------|-------------------------------|
| Philip Boersma, Spring Lake, MI    | Al Oszizovich, Ft. Wayne, IN  |
| Phil Bytheway, Seattle, WA         | Dave Peterson, Mianzka, IL    |
| Allen Denny, Brule, WI             | Gregory Steele, Lansing, IL   |
| Russ J. Edmunds, M.J.              | Bruce Portser, Seattle, WA    |
| Joe Yarkewicz, Winnipeg, Manitoba  | Tom Sundstrom, Millinboro, NJ |
| Richard C. Mayhew, Valleyfield, PQ | Thomas White, Arlington, VA   |

Under each state, I listed contributions by initials & two-letter state/prov abbreviation, going from east to west. Next time you will be treated to District of Columbia, Florida, Georgia, Hawaii, & Idaho. Deadline will be May 30 if this hits the May 6 issue, otherwise it'll be June 29. Keep those cards and letters coming folks and start making plans to come to Seattle this summer. See you here! 73 and good DX.

# The DJ Who Learned There's A Time to Stop Talking

By Marian Zallian



CARTER B. SMITH

INTERVIEWERS always ask Carter B. Smith the same question: What was it like to work with Don Sherwood?

"I'm getting tired of it," Smith confessed over lunch the other day. Then he talked about what it was like to work with Sherwood.

Carter B. Smith is, of course, the man who spent ten years at radio station KSFO, stooging for Sherwood, the self-proclaimed world's greatest disk jockey.

"Shut up. You're talking too much," Sherwood would tell him.

"I learned a lot from Sherwood," Smith said. "There's a time to stop talking. I play a lot of music."

Smith does, indeed, play a lot of music now that he has his own show on KNBR, where he has been doing the 3-to-7 p.m. stint for the past year or so. And in the whooping and hollering fantasy world of radio disk jockeys, he has turned out to be something of a phenomenon — a non-freak.

"People want a middle-of-the-road disk jockey," Smith declared. "They don't want someone bizarre. Nothing freaky. There's just a small band of us left."

Naturally, Smith plays middle-of-the-road music

handed. When you're stuck in traffic for 45 minutes we say, "Were going to have a little fun," nothing more."

Of course, Smith does have his gimmicks. He once ran a weed-growing contest in Marin county, and he claims to be, as his official biography puts it, "the only man in the history of flight to operate a helicopter indoors without benefit of license." That event, according to the biography, took place at the Cow Palace in 1970 and lasted "for a period of less than half a second."

But his off-the-air activities generally run more to middle-of-the-road pursuits such as emceeding various charity events, and growing bonsai plants at the Tiburon home where he lives with his wife and two sons. He also spends hours talking with fellow ham radio operators all over the world, an enthusiasm he has followed since his high school days in San Francisco, where his family has lived for four generations.

"When I was with Sherwood," Smith said, "it was always a routine to be cynical and pessimistic. Now I like to be happy and enthusiastic. A year ago I gave up smoking and now I've got a natural high, don't need any booze, don't need to act cynical any more."

things like Barbra Streisand's latest and those country western Tin Pan Alley-top 40 confections from Nashville.

Between records and commercials, he delivers reports on the weather, traffic and smog conditions, makes some public service announcements, talks to people on the phone, reads letters from fans in places like Pleasanton, or what he cheerfully describes as "pathetic" jokes from a book. He chatters briefly, gives a high-pitched chuckle, and plays another record.

"It's a go-to-hell attitude," he said. "There are no heavy scenes. It's not heavy-

S. F. Sunday Examiner & Chronicle

Datebook, Sunday, April 28, 1974

Quality Radio  
in  
DAYTONA BEACH  
FLORIDA

programmed  
for the  
Adult  
Audience

WNDB-AM

1150

WDNJ

STEREO

94.5

## FCC Plan on AM and FM Programs

Washington

The Federal Communications Commission proposed yesterday to tighten a rule designed to force commonly owned AM and FM stations in the same area to broadcast different programs.

It proposed to apply the non-duplication rule in communities of 100,000 or more to all programs, except news and public affairs.

The current rule permits a 50 per cent program duplication. It would be imposed on cities under 100,000, which now have no such restriction.

However, the FCC said it welcomes suggestions for other population and percentage figures and even other methods than those based on population. The figures it used, said the FCC, were for the purpose of inviting comments from interested parties.

The rule is designed to provide diversity of programming in each area.

Comments are due on the proposed rule changes by July 25.

Associated Press

# TVA AWARD

24

May 4, 1974

ANARC ALMANAC

Each year the IRCA Board of Directors award the Ted Vasilopoulos Award to the IRCA member whom the membership believes has done the most in that year to promote the affairs of the IRCA and to improve the hobby of BCB DXing. The award consists of an engraved plaque and a year's free membership. In case of a tie, duplicate awards are presented. The TVA is presented at the annual convention if possible by the chairman of the Elections Committee or his representative. No IRCA member can win the TVA more than once over a five year period. A permanent nominating committee, consisting of the last three winners of the TVA, after soliciting nominations from the membership, is now submitting to the membership the names of the five members whom they have selected from those nominated.

The following form the nominating committee and are ineligible for the TVA: Mike Northam, Father Jack Pejza, and Percy Kesteven. Also ineligible for the award this year are Don Erickson and Larry Godwin.

The following are the nominees for the 1974 Ted Vasilopoulos Award (in alphabetical order):

Bruce Heimburger-- for his years of consistently fair and punctual service to the IRCA as Eastern DX Forum Editor.

Grant Manning-- for his invaluable contribution to the change-over of DX Monitor to offset printing, and for the regular hours of labor put into bulletin mailing.

Bruce Portzer-- for years of service as DX Records Editor, for recent contributions as Questions and Answers Editor, and for leadership of the regular members through continual active DXing.

David Prather-- for the mature manner in which some delicate elections and referendums were handled while he was Elections Committee Chairman.

Mike Worst-- for many years of selfless and often thankless service to IRCA in the form of regular updating of FCC and CTRC station listings and changes, for his contributions as a Director of IRCA, and as editor of Western DX Forum.

Ballots must be submitted by June 7, 1974.

George W. Jensen, Election Committee Chairman  
4604 Amtana Ave.  
Baltimore, MD 21206

I vote for the following individual for the 1974 TVA:

- Bruce Heimburger
- Grant Manning
- Bruce Portzer
- David Prather
- Mike Worst

Executive Secretary: Al Reynolds, Box 433, Peabody Station, Nashville, TN 37203.

IRCA Representatives: Rick Evans, Dr. Richard Wood, Fr. Jack

The 1974 ANARC Convention will be held in Bronxville, NY from July 5-7. Previous conventions have been held in Kansas City, Chicago, Omaha, Toronto, Chicago, Indianapolis, Boston, and San Diego from 1966-1973.

SCADS (Southern California Area DXers held a get-together in February in Tustin at which over 50 DXers were in attendance.

NASWA notes that a tape from Perry Ferrell, played at the SCADS meeting, indicates that Popular Electronics is considering returning to its old format with a column for SWLs. If you want to see this, please write to Milton S. Snitzer, Editor, One Park Avenue, New York, NY 10016 and express your concern.

Representatives are voting on an application for full membership from Radio California USA. They have over 60 members after 3 years of operation.

Al Reynolds notes that some libraries might carry copies of the FBIS Daily Report, a summary of important SWBC (and BCB) content used by the U.S. government. This is available for subscription at \$75 per volume from the National Technical Information Service, U.S. Dept. of Commerce, Springfield, VA 22151. Single copies and back issues are not available.

NASWA Convention

The 1974 NASWA Convention will be held in Columbus, Ohio on July 19, 20, and 21 at the Neil House in downtown Columbus. Top names in SW DXing will be coming, and all DXers are welcome. Hopefully the speaker will be the CE of VOA at Bethany, OH. Fee: about \$10. For more information, write Randy V. Minnehan, 975 Chestershire Road, Columbus, OH 43204.

SECOND CLASS POSTAGE  
PENDING AT SAN DIEGO,  
CALIFORNIA

International Radio Club of America  
12536 Arablan Way, Poway, CA 92064



THE INTERNATIONAL RADIO CLUB OF AMERICA - a non-profit club devoted to listening to distant radio stations on the broadcast band (540-1600 khz). IRCA is a member of ANARC, the Association of North American Radio Clubs, dedicated to promoting cooperation between the radio clubs of North America.

IRCA Officers: President: Richard C. Evans, RR#2, Box 375-A, New Buffalo, MI 49117. (616-469-3866); Secretary-Treasurer Carl Dabelstein, 330 North 56th St., Lincoln, NE 68507; Board of Directors: Chairman: Father Jack Pejza, Bob Foxworth, Nancy Gantzer Hardy, Percy Kesteven, Ed Krejny, Bill Nittler, John Zondlo.

Membership dues in IRCA: \$2.00 per year.

IRCA publishes the IRCA Foreign Logs, listing over 1500 foreign stations heard on the broadcast band from North America. Volume I: \$2.25; Vol. II, \$3.00; combination offer, \$5.00.

IRCA has an extensive listing of reprints of articles and features which have appeared in DX Monitor in past years. Send a self-addressed stamped envelope for a copy of the list.

IRCA stationery: 70 sheets for \$2.00; 100 sheets for \$2.75. Permission is granted to publish, broadcast, or reproduce any of the material in DX Monitor (except items which acknowledge that they appear by permission from other sources, or material which is copyrighted), providing credit is given to DX Monitor and the author or contributor, if listed.

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Michael G. Worst  
3608 Phinney North  
Seattle, WA 98103