

DX News



Volume 63, No. 29 - August 12, 1996 (ISSN 0737-1659)



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CPC Test Calendar
HCJB ECU 690 Sept. 1 0015-0030

HCJB-690 - Quito, Ecuador's test will include Morse code ID's and "other unique items". Correct reception reports will be verified with a special QSL card. Please include one international reply coupon (IRC) or first class postage in US or Canadian stamps for a reply to your reception reports, which may be sent to:Mr. Rich McVicar (HC1JMN) Frequency Manager - Attn: 690 DX testc/o English Language Service HCJB - Casilla 17-17-691 - Quito, Ecuador. Arranged by Mr. Rich McVicar of HCJB for the benefit of all DXers.

From the Publisher ... Our heartfelt sympathy goes out to NRC editor Bill Hale and his family after the death of his father. Bill's column, "DDXD-West", should return next month.

The Log ... From Wayne Heinen: "The weekend of September 7 is the deadline for LOG updates and the LOG editor will NOT be in attendance at Knoxville, so I will not be able to get deadlines in person."

NRC Ham List ... Time again for the NRC Ham List, and if you are not in the list, and you want to be, the only thing you need to do is send Fred Vobbe the following information: Name, Call, and up to 40 characters of information to describe where you operate. Note that if you send him more, he reserves the right to edit to make sure it fits in the 40 characters in the database. No exceptions. Many of you slept through the last list; be sure to get Fred your updated info right away.

Knoxville ... From 1996 convention host Steve Francis: "The 63rd annual NRC Convention welcomes you to beautiful East Tennessee! Three major interstates, 40, 75 and 81, traverse East Tennessee. This year's convention site, the Ramada Inn, is at the junction of 40 and 75, just off Exit 378 at 323 Cedar Bluff Road, Knoxville, TN 37923. Special convention rates are \$48.50-single/double and \$56.50-triple/quad. Registration fee, including the banquet is \$40. The Ramada's telephone number is 423-693-7330. Specify the National Radio Club when making your reservation. Questions? Write Steve Francis, 1620 Lodge Street,

Alcoa, TN 37701, or telephone 423-982-3122. See you August 30-September 2!"

BADX ... From Bruce Conti ... Boston Area DXers holds their regular meeting every 3rd Friday of the month, 7:30pm, at the Lexington Club, in Lexington, MA. Everything from DC to daylight is open for discussion, with the focus usually on LW, MW, and SW broadcast. Dues of \$2 cover the cost of the meeting room. Directions: From Routes 128/I-95, take Exit 31 to Routes 4 North/225 West, Lexington Club is 1/4 mile on the right. Also check the BADX Web Page at http://www.grove.net/~badx/ for more info. September is BADX New Member Month. Dues will be waived for the September 20 meeting.

Madison, WI GTG ... The 3rd annual Madison area DX GTG is being held on Saturday, August 17 from 1:00 PM until past the dinner hour. The GTG is being held at Bill Dvorak's house, 501 Algoma Street, Madison WI 53704-4812. This is an all-band CTG. Directions and any other information can be obtained by writing, by calling Bill at (608) 244-5497, or by e-mail <dxerak@aol.com>.

Confirmed DX'er ... Effective immediately all contributions for "Confirmed DXer" should be sent to Ken MacHarg - Casilla 17-17-691 - Quito, Ecuador, or to: Ken MacHarg, Box 39800, Colorado Springs, CO 80949. Ken's new E-mail address in Ecuador is: kmacharg@hcjb.org.ec.

DX Time Machine

From the pages of DX News:

50 years ago ... from the August 17, 1946 DXN: Plans were announced for the annual NRC Convention in Buffalo, NY over the Labor Day weekend; banquet cost, \$2.00/person, with a choice of chicken or turkey.

25 years ago ... from the August 28, 1971 DXN: Winnersofthe 1970-'71 Foreign Contest were announced by contest manager R. J. Edmunds: NA, César Objío; Caribbean, Jerry Conrad; South America, César Objío; Europe, Page Taylor; Africa and Near East, ? Burger; Asia, Fr. Jack Pezja; Oceania, Fr. Jack Pezja.

10 years ago ... from the August 18, 1986 DXN: According to contest manager Robert Kramer, top finishers in the 1985-'86 NRC contest were Bill Mosec, Niel Wolfish, Nancy Hardy, Jim Renfrew, Bill Hardy, and Bruce Conti.

AM Switch

Jerry Starr c/o WHOT Radio 4040 Simon Road Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

CILLE .			•	
	Old call			<u>New call</u>
960	WPMR	PA	Mount Pocono	WILT
980	WMAK	KY	London	WGWM
1010	WSPO	WI	Stevens Point	WSPT
1100	WWWE	OH	Cleveland	WTAM*
1130	WJTP	NC	Newland	WECR
1220	WXCT	CT	Hamden	WQUN
1270	WHBS	FL	Eatonville	WRLZ
1300	WXPX	PA	West Hazelton	WILP
1340	KORV	CA	Oroville	KJAZ
1340	*New	NV	Elko	KTNS
1360	KELE	MO	Mountain Grove	KCMG*
1370	WPRC	IL	Lincoln	WVAX
1400	KJCF	MO	Festus	KJFF
1410	WGRD	ΜI	Grand Rapids	WRCV
1460	WACO	TX	Waco	KKTK*
1480	WIST	NC	Charlotte	WNMX
1490	WOJY	VA	Hampton	WXRE
1500	WKGA	IL	Zion	WTAU
1530	WCRJ	FL	Jacksonville	WOBS
1550	WARD	PA	Pittston	WKQV*
1580	KNOS	NM	Albuquerque	KZKL
			• •	



*Notes: WWWE returns to its first call, WTAM. WACO's demise leaves WARE the only station whose call spells the city of license. WARD, after months of calling itself WKQV finally makes it official. KCMG claims the recent call change to KELE was assigned in error by the FCC and that they will remain KCMG.

APPLICATIONS FOR NEW STATIONS

830	AL	Hartselle 280 D1 (power not shown last issue)
1160	AL	Fairhope: 50000/15000 U4 (powers not shown last issue)
1450	CO	Colona 1000/1000 U1
1620	IL	Lockport experimental license for Helixing, Inc.

GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

830	KABN	AK	Long Island reduce powers to 8000/8000
1030	WNVR	IL	Vernon Hills add 150 watts nights, U4
1160	WELX	FL	Callahan antenna to U1
1180	KLAY	WA	Lakewood day power to 5000 watts
1260	WWJQ	ΜI	Zeeland night power to 10000 watts
1280	WGTX	FL	De Funiak Springs to 890 kHz with 2500 D1, city of license to Freeport,
			FL
1410	WLVV	AL	Mobile reduce night power to 3900 watts
1410	WMYQ	MS	Newton to 1100 kHz with 1000/87 U1
1480	WCIN	OH	Cincinnati reduce powers to 1300/250 (modifies existing Application)
1490	WOLF	NY	Syracuse to 1510 kHz with 50000/1000 U4, city of license to Lafayette,
			NY (replaces and modifies original CP which had expired)
1550	KQXI	∞	Arvada night power to 5000 watts, antenna to U2
1600	WWRL	NY	New York day power to 25000 watts

GRANTS TO EXISTING FACILITIES

660 WBLX AL Fairhope reduce day power to 10000 watts

660	KSKY	TX	Balch Springs night power to 660 watts
730	WSTT	GA	Thomasville city of license to Beachton, GA, relocate transmitter site
		PR	
960	WKVN		Quebradillas powers to 1000/1700 U3, relocate transmitter site
980	KFWB	CA	Los Angeles powers to 50000/50000 U3
990	WALE	RI	Providence night power to 5000 watts (reflects a modification to CP for
			move to Greenville, RI)
4040	******	TTD:	
1240	KAWS	TX	Hemphill relocate transmitter site
1260	WWIS	WI	Black River Falls reduce power to 580 watts
			· \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
-	DATE CC		VVIVIZO
OTHE	RNESS		98.7FM 1390AM
540	KIEZ	CA	Carmel Valley silent station is ON THE AIR
590	WLVA	VA	Lynchburg station is SILENT
810	WISZ	MI	Rockford CP for 3600 D1 is on (change from 3500 watts shown in Log)
910	WYLI	OH	Marietta silent station is ON THE AIR
930	WLLL	VA	Lynchburg CP for new transmitter site is on
950	KDSX	TX	Denison station is SILENT
950	KJR	WA	Seattle CP for 50000/50000 U2 is on
960	WJCM	FL	Sebring station is SILENT
1090	WMTY	SC	Greenwood CP for 5000 (2250 CH) D1 is on
1090	WKCV	TN	Kingsport this silent station has announced they will return to the air
			in September
1110	KGPL	AŔ	Dermott license CANCELLED and call DELETED
	WGNZ	OH	Fairborn CP for 2500 (1700 CH) D6 is on
1120	WKTD	NC	Wilmington this new station recently reported to be on the air is now
			missing from the FCC database and reported to be cancelled. Do we
			have a member in that area who can check this out?
1100	KMOA	AR	
1190			Kensett license CANCELLED and call DELETED
1240	WCRW	ΙL	Chicago has been purchased by WSBC which will absorb WCRW's
			operating hours, reducing the 1240 time-share in Chicago to two
			stations. It is unknown if WCRW will cease to exist or if it will
			continue to operate as a separate station under common ownership.
1250	WNTT	TN	Tazewell CP to relocate transmitter site is on
1260	KFAS	AZ	Casa Grande station is SILENT
	WDEC	GA	Americus license CANCELLED and call DELETED
1290	KWFS	TX	Wichita Falls CP for 5000/73 U1 is on
1310	WHLV	MS	Hattiesburg license CANCELLED and call DELETED
1330	KXSA	CA	Redding license CANCELLED and call DELETED
		NV	
1340	KTNS	14 4	Elko this new station has announced they expect to be on the air in
			September with News/Talk
1350	WLOU	KY	Louisville CP for 2200/500 U2 is on
1360	KCMG	MO	Mountain Grove silent station reports they will "return in July" so it
1500	RCMG	MIC	
			may be on by the time this reaches you
1370	WVAX	IL	Lincoln now rebroadcasts WTAX-1240 Springfield except for 6 to 9
			AM (thus the call change)
1370	WEGM	RI	Wickford CP for 250/130 U1 from new transmitter site is on
1370	"LOM	141	·
			(interesting that this station has been giving their legal ID as "WEGM
			North Kingston" since they returned to the air but as of today, 7-27, the
			FCC database still shows them as WKFD Wickford???)
1380	WLVS	FL	Lake Worth now rebroadcasts WAFC-590 Clewiston
	KAMO	AR	Rogers application for 1000/125 DIDMISSED
1390	WWOD	VA	Lynchburg license CANCELLED and call DELETED
1400	WTXQ	AL	Andalusia license CANCELLED and call DELETED
	KKDD	NV	North Las Vegas station is now here, ex-1410 kHz
1410	WIQR	AL	Prattville license CANCELLED and call DELETED at the station's
			request
1420	WACK	NY	Newark application for 840 kHz DISMISSED
	WRAJ	IL	Anna station is SILENT
1460	KCCL	AR	Paris license CANCELLED and call DELETED
	WBFC	KY	Stanton silent station is ON THE AIR
1470	KNTS	TX	Abilene station is SILENT
	KGCX	MT	Sidney license CANCELLED and call DELETED
1480	KNTB	WA	Lakewood silent station is ON THE AIR

El Paso CP for 5000/800 U4 from new transmitter site is on 1590 KELP

THANKS Al Merriman, Ed Krejny, Wayne Heinen, Marc DeLorenzo, Les Johnson, Wally

73 and Good DX, Samy & BKF Jerry Starr & Buffalo K. Foonman

Geomagnetic Phil Bytheway bytheway@ATK.com 9705 Mary NW Scattle, WA 98117-2334

High "A" values indicate possible auroral conditions

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GEO - Geomagnetic activity	pca - polar cap absorption
maf - major flare	SA - Solar Activity
mas - major storm	spe - satellite proton event
mis - minor storm	ss - severe storm

mas	- majo	r stor	m	n spe - satellite proton event					
mis -	mino	stor	m	ss - severe storm					
Date	Date FLUX A K			SA.	<u>GEO</u>	<u>OTHER</u>			
4/9	69	11e	2	very low	quiet-active				
10	69	8	2	very low	quiet-unsettled				
11	68	8	2 4	very low	quiet-active	_			
12	68	20	2	very low	quiet-active	-			
13	69	7	2 3 3	very low	quiet-unsettled				
14	69	21	3	very low	quiet-mis	-			
15	68	16	3	very low	quiet-unsettled				
16	68	9	3 5 5	very low	quiet-mis	-			
17	69	27	5	very low	quiet-mis	-			
18	70	23	3	very low	quiet-mis	-			
19	70	22	4	very low	unsettled-active				
20	71	20	4	very low	quiet-active	-			
21	74	14	3	low	quiet-active	-			
22	72	10	3	moderate	quiet-mis	-			
23	71	15	3	very low	quiet-mis	-			
24	68	6	3	very low	quiet-unsettled				
25	67	6	2	very low	quiet-unsettled				
26	Z	Z	z	Z	2	-			
27	68	7	2	very low	quiet-unsettled				
28	67	4	2	very low	quiet	-			
29	Z	z	Z	Z	z	-			
4/30	68	5	1	very low	qui et	-			
5/1	67	9	2	very low	quiet-unsettled	-			
2	67	6	1	very Iow	quiet-unsettled				
3	68	7	2	very low	quiet-unsettled	-			
4	69	6	2	very low	quiet-unsettled	-			
5	70	6	2	low	quiet	-			
6	z	z	Z	Z	z	Z			
7	74	4	2	low	quiet	-			
8	76	8	1	low	quiet-unsettled	-			
9	Z	Z	Z	z	z	-			
10	77	6	2	very low	quiet-unsettled	-			
11	76	5	1	low	quiet-unsettled	-			
12	73	4	2	very low	quiet-active	-			
13	72	15	4	very low	quiet-active	-			
14	71	13	1	very low	quiet-unsettled				
15	70	6	3	very low	quiet-unsettled	-			

AM Station Map Book. 3rd ed.

\$9.50 to members, \$10.50 non-members, postpaid.



Edited DDXD editor Bill Hale, this bookofstation location maps is a must-have companion to

there is the

the AM Radio Log. The 170-page book is three-hole punched for a ring binder. Order from NRC Publications - Box 164 -Mannsville, NY 13661. NY orders, please add sales tax.



Rabun Radio - WGHC P. D. Box 348 CLAYTON, GEORGIA 30525

very low very low (continued on page twenty-one)

very low quiet-unsettled

quiet-active

quiet

71 12

10

1

17 71

18 70

Domestic DX Digest

West: Bill Hale billbale@wazoo.com

301 Boulder Bluff - San Marcos, TX 78666-8350

East: David Yocis 73564.203@compuserve.com David Yocis - 97 Clinton Ave. - South Nyack, NY 10960

DX Catches in the U.S. and Canada, with 24-br. ELT

DDXD-East

Upcoming deadlines: Tuesday, September 3, then weekly Tuesdays from September 24.

SPECIAL

Division line is

hetween Fast and

Central time zones)

700 WWTL MD Walkersville - 6/19 1351-1500 - Mostly in Arabic now, with IDs in English. (HH-MD) [AA heard here often at SSS and SRS, but not with an ID yet. - DY]

1160 WKYN KY Florence - Recent QSL (for 9/95 report) says owners have leased station programming to another company who will eventually buy the station. Letterhead would indicate an all- sports talk format. Address on envelope was as in Log, but letterhead shows 7900 Tannis Gate Dr., Florence KY. Phone 606-282-1160. (DT-JAM)

1240 WINC NC Jacksonville - The only area AM station which stayed on the air (using an emergency generator) during Hurricane Bertha 7/12-13. Only the transmitter had power going to it; all reports, etc., were read using flashlights and candles! Excellent coverage and quality reporting. (MH-NC) [Glad you made it through! - DY]

1490 WOLF NY Syracuse - 7/29 0005 - ID heard in pile: "1490 WOLF, you've been bitten by the Wolf." Evidently back on the air. (DY-NY)

1550 WARD PA Pittston - 7/5 1829 - Heard with "WARD" ID (not WKQV) and later (1846) a joint ID with WARM-590 and 95.7 FM. Sports talk. (DY-NY)

NC Camp Lejeune - ls on regular schedule daytimes with REL programming, 1580 WCTI gospel music, and slogan as "Coastal Carolina's Christian Connection." Simulcasts WLOJ-1490, except for local ads. Occasional off-air time with presumed transmitter problems. Noted with fair signal at 60 miles. (MH-NC)

WNZT PA Columbia - 7/11 0630 - Seemed to be back on the air, faint even in Columbia, but // WLAN-1390 which also carries Ted Byrne's morning show. Ted is working on getting the station back in business. Later report says it is not on the air; damage was more significant than first thought. Restart expected in early August. (JW-PA)

Key West - Recent QSL indicates address as P. O. Box 4500, Key West FL 1600 WKWF FL 33041, format to talk. (DT-JAM)

UNID and UNID HELP

910 WSBA PA York - 7/22 0258 - Rush Limbaugh repeat, local ad, ID, Orioles baseball promo, good with local WRKL off. This is WM-MD's unID with late-night Rush. (DY-NY)

7/23 1954 - Sports talk, ad for MRN auto racing. Not WTKZ, WATR, or 1320 UNID WARA, which were all heard with other programs at this time. Maybe WICO? (DY-NY)

7/11 2210 - Noise of man banging on doors, "All right, everybody out!" and 1520 UNID oldie "Eve of Destruction" at 2230, leading me to suspect WKZQ-SC on late for Hurricane Bertha coverage, but 2235 ID by man "WQAT 91 on the air, testing." Apparently off afterwards. Weak, occasionally readable in very WGEN AM 1500 tough WWKB null. (DY-NY)

LOGGINGS: 0000-0800 ELT

PQ Jonquière - 7/11 0127 - Radiomedia FF talk // CKAC-730, good. (DY-NY) 590 CKRS CFCH ON North Bay - 7/11 0121 - Weather, ID, "North Bay's new talk radio, 600 CFCH," good in WICC null. (DY-NY)

PA Scranton - 7/20 0613 - NOS music, ID for WEJL and WBAX, good over 630 WEIL WPRO. (DY-NY)

- 680 WCBM MD Baltimore 7/30 0606 Baltimore traffic, ID "Talk 6-80 WCBM," booming over WRKO. (DY-NY)
- 740 CHCM NF Marystown 7/22 0312 Male announcer, "VOCM's exclusive ?-day forecast," woman gives weather for different parts of NF, another VOCM ID, into C&W music, good over WGSM in CBL null. (DY-NY)
- 760 WBDN FL Brandon 5/12 0340-0347 Big band music, Benny Goodman, ID as "You are listening to the sounds of the big bands, 70 WBDN," SS ORM, poor in sudden short breakthrough. Report returned, not at address in Log. (DT-JAM)
- 880 WCBS NY New York 7/8 0120 Noted completely off the air; two Venezuelans in their absence. (DY-NY)
- 920 WOKY WI Milwaukee 7/25 0200 ID, weather check, under female preacher. (WM-MD)
- 1280 WYVE VA Wytheville 7/22 0200 Announcement by woman, several call IDs, fair-poor, WADO very weak. (DY-NY)
- 1370 WAXE FL Winter Haven 6/20 0430-0500 NOS or OLD, ads for travel company, sports scores, poor, SS QRM. (DT-JAM)
- 1390 WROA MS Gulfport 6/21 0309-0402 OLD or EZL, no ID, ad for George Jones Homes, poor. (DT-JAM)
- 1460 WRAD VA Radford 7/28 0550 NOS music, ID; Log says C&W format. (WM-MD)

LOGGINGS: 0800-1600 ELT

540 WLUX NY Islip - 6/27 1007-1035 - Fair, with hits from 40's and 50's. (HH- MD)

LOGGINGS: 1600-2400 ELT

- TN Memphis 6/12 2100-2200 "The Juice," satellite soul oldies, good signal in 680 WJCE Bessemer AL, just 2 miles away from WJOX-690, (TS*AL)
- 690 WJOX AL Birmingham 6/7 2000-2028 With Barons vs. Huntsville Stars baseball; this is an alternate Barons station. Solid in Bowling Green KY until power, pattern change. (TS*KY)
- WVCH PA Chester 7/5 2025 Religious music, ad, ID. (WM-MD)
 - CBL ON Toronto - 6/12 2100-2120 - Over/under KRMG with CBC news, Ontario weather, "That Time of the Night." Surprised to hear them as far south as Bessemer AL. (TS*AL)
- VA Waynesboro 7/10 2120 AP network news, local weather, promo for 970 WINF "News 9-70 WINF," many IDs as "The News Station," good, WWDJ unusually weak. (DY-NY)
- 1070 WAPI AL Birmingham 6/6 1940-2200 "News Radio 1070," good with WIBC under. in Bowling Green KY. (TS*KY)
 - WDIA TN Memphis 6/8 2200 "All Blues Saturday," almost inaudible in northeast Memphis after sunset. WAPI often alone with Barons baseball, WDIA way underneath when heard at all. (TS*TN)
- 1190 WANN MD Annapolis 7/24 1938 C&W music, promo for Paul Harvey "on Bay Country 1190 WANN," fair-good in WLIB null. (DY-NY)
- 1190 KGBS TX Dallas 5/29 2051-2135 Sports talk show, no ID, poor in SS QRM. (DT-JAM)
- 1290 WBZT FL West Palm Beach 6/10 2206-2220 IDs "Ken Hamblin Show on WBZT," and "This is talk station AM 12-90, WBZT," unID classical music QRM. (DT-JAM)
- 1300 WOAD MS Jackson 6/12 2051-2158 Presumed with UC or soul music, no ID, poor under WFFG. (DT-IAM)
- Fort Pierce 6/16 2221-2240 Talk show, contact with Larry in WJNX 1330 WINX FL mobile unit, religious program from WJNO, poor under WMLT, unID SS. (DT-JAM)
 - WMLT GA Dublin 6/16 2227-2240 Presumed with sports news, excerpts from games, no ID, poor over/under WJNX. (DT-JAM)
- 1360 CKBC NB Bathurst - 7/10 2225 - GTO program, ID, fair, mostly under WDRC. (DY-NY)
- 1410 WDOV DE Dover 7/23 2224 Wilmington Blue Rocks baseball, into CNN Headline News, University of Delaware PSA, ID "News Radio WDOV." (DY-NY)
- 1420 WKCW VA Warrenton 7/28 2000 ID, weather forecast. (WM-MD)

- 1440 WMAX MI Bay City 7/24 2155 Weather forecast, ID, mention of Saginaw, result of Cleveland vs. Toronto baseball game. (WM-MD)
- 1450 WRKD ME Rockland 7/30 2012 Call letters only, poor in mess but clear on tape. (DY-NY)
 - CHUC ON Cobourg 7/23 2240 "1450 CHUC" ID, ad, "hope you enjoyed today's broadcast of the Toronto Blue Jays," another ID: "Your home of the Toronto Blue Jays, 1450 CHUC," good. (DY-NY)
- 1480 WPWC VA Dumfries-Triangle 7/11 2134 C&W music, weather, local PSA for Civil War re-enactment this weekend, nice promo, ID, mostly under WSAR. (DY-NY)
- 1490 WLPA PA Lancaster 7/28 2339 Pirates baseball, "Sports Radio 1490 WLPA Lancaster" ID, good. (DY-NY)
- 1510 WWSM PA Annville-Cleona 7/13 2030 C&W music, ID. (WM-MD)
- 1560 KWCO OK Chickisha 7/3 2100-2233 Talk show, call ID, weather, sports news, poor. (DT-JAM)
- 1580 WSRF FL Fort Lauderdale 7/4 2049 ID as 1580, ad for nightclub again at 2125, IDing as 105.5. (JW-PA)

TIS AND MISCELLANEOUS

- 6/13 2000-2049 Female giving date, day of week, and time each minute, 530 UNID interrupted about every 20 seconds by male "7-5-7, 7-5-7, this is site 7-5-7," gone 2049. Heard also later in PM next two nights. (TS-GA) [Maybe the following? - DY]
 - UNID NC Durham -6/20 no time – Station testing with male announcer, female with day-date-time info. 'This is a test of the Durham Highway Advisory Radio System." Fair to good over an extended area along I-40 in Durham area.
 - KNNH263 NC Forsyth County 6/20 0945-1000+ After passing through Greensboro, 1 noted a NC DOT HAR station with info on traffic congestion in Winston-Salem, and road work info. Announcer was a woman. Not positive on call letters. (MH-NC)
- 1610 WPHE255 NC Durham 6/20 no time Noted with strong signal along I- 40 in Durham area. No other normally heard stations in the Raleigh-Durham area on 1610 kHz were noted. (MH-NC)

... this frequency is really becoming cluttered! (MH–NC)



UNID

1620 WOO635 VA Staunton - 7/28 0050-0130 - Noted again, with female announcer, and this time an ID: "This is WQO635 operating on (1620?) kHz." A key clue: "Visit the Woodrow Wilson birthplace and "Joint Reception Center, Interstate 81." Also, reference to Exit 99, and mention of "Visit the Shenandoah Art Center." So this sounds like the Staunton VA area. Do we have any members in the Staunton area that might be able to check who may be operating this TIS? 7/28 0050-0130 - In addition to the above, I was able to separate two other weak TIS's. The other one previously reported with a woman annougher, and also detected a male announcer amid the mess. Seems like 3 distinct TIS ops

REPORTERS

MH-NC Mike Hardester Iacksonville NC: Car radio Hank Holbrook Dunkirk MD: R8, 120' LW, Zenith Transoceanic HH-MD WM-MD William McGuire Cheverly MD: DX380 TS-MI Tom Sanders Various locations on vacation: Sony 2010, car radio Don Trelford St. Ann's Bay, Jamaica: R2000, LW DT-JAM IW-PA Jim Weber Lancaster PA: Car radio with Autobeverage DY-NY David Yocis South Nyack NY: R71A, Kiwa loop

A DX'ers Technical Guide

Now in its 2nd edition, this 120-page book answers questions on receiver and antenna theory (how to improve their performance), how audio filters and loop antennas can improve DX (and hints on their construction), how to build a beverage and phasing unit, and much more. Only \$5.50 for NRC/IRCA members, \$6.50 for non-members (overseas airmail add \$2.50). Order your copy today from

IRCA Bookstore - 9705 Mary Ave. NW - Seattle, WA 98117-2334

International Jim Renfrew JimRenfrew@Delphi.com 61 Wilcox Street Rochester, NY 14607-3832

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

Special notice to E-mail reporters: IDXD has really taken off during the last two years, and we have been routinely filling at least 8 pages in DXN each issue. The truth of the matter (behind the scenes) is that compiling the column is beginning to become a real chore. Thankfully, many reporters, especially prolific DXers, have converted to e-mail reporting. Even so, it takes a great deal of time to sort out the loggings. For this reason, I am now proposing some general guidelines for all reporters:

 All loggings from new reporters and "novices" will be printed as received. No one should ever think to say, "my loggings aren't good enough to report". We want to include everyone.

2. Reporters who routinely submit dozens of loggings, many of them repeated report after report, are now asked to use some discretion. IDXD is certainly interested in the science of DX propagation, but we no longer have the space to include everything. I think that the huge volume of loggings on every single TA frequency has shown the wider membership that many such loggings are possible from many locations. For completeness in your reports, I suggest you include a summary statement to cover your routine loggings, such as "All of the usual Iberians were strong tonight" or "Many of the Caribbean splits were audible during the early evening", or "Croatia, Norway and Algeria are in every night". I can easily add these comments at the end of each section. The key here is YOUR discretion, not mine. I would rather that each reporter make choices about which logs to include. If I had to edit your report down to size, I will undoubtably make mistakes in determining the most significant loggings, and it will add to the time.

Thanks for your help! (Addenda from the publisher: It may come as a shock to some that not everything that you send in automatically gets published, but because of subject (non-DX) or space restrictions, we've been paring submissions down for some time now. What Jim tactfully didn't state, but which I will, is that a very small number of reporters to this and other columns have been abusing their allotted space by submitting marginal and repetitive loggings. Please adhere to Jim's guidelines and give him (and other editors) a break. We used to joke about the corporate jet and doubling our salaries, but other than the kids I hire to help me prepare the mailings, we are all volunteers and receive nothing but notoriety for our efforts. Thanks for your help in providing us with quality submissions -pls.)

THE IDXD REPORTERS' CUP

You've heard about the Stanly Cup and World Cup, haven't you? Last season, Canadian reporters won the first IDXD Reporters Cup, based on the high percentage of provinces reporting their DX. We are coming down to the wire on this season, and here are the current standings:

USA: AZ,CA,CO,CI,ĎC,DE,FL,GA,HI,IA,IL,IN,KS,LA,MA,MD,MI,MN,NC,NH,NJ,NY,ŎH,OK, OR.PA,RLSC,TN,TX,VA,WA = 32/51 =63%

CANADA: AB,BC,MB,NF,ON,PQ =6/12 =50%

OTHER: ECUADOR, UNITED KINGDOM, JAMAICA, ISLE OF MAN, ARGENTINA, PARAGUAY, DOMINICAN REPUBLIC, RUSSIA, SWEDEN, NEW ZEALAND, INDIA, CUBA, FRANCE, USVI =14/200a =7%

If your state or province has not been heard from this past season, let's hear from you now! This is not an exercise in patriotic excess, since some of these provinces and states were reported by citizens from the other country!

David Crawford has finally ID'd the Haitian station on 1610, in the process discovering a previously unknown connection between recreational vehicles and DX!

TRANS-ATLANTIC DX

153 ALGERIA Bechar, JULY 25 0257 - Very strong signal with woman in AA talking to a man, possibly a teletalk program. [Dangerfield-PA]





162 FRANCE Allouis, JULY 25 0255 - Strong and clear with woman in FF and then a French chanteuse singing. [Dangerfield-PA]

207 MOROCCO Azilal, JULY 25 0233 - Good with Moroccan music. [Dangerfield-PA]

216 MONACO Monte Carlo, JULY 25 0215 - Very good with man in FF, then soft music. Signal strength of almost armchair quality. [Dangerfield-PA]

234 LUXEMBOURG Jinglinster, JULY 25 0301 - Briefly in, man in FF. [Dangerfield-PA]

549 ALGERIA, Les Trembles, JUL 17 0020 - AA music; fair over slop from WPNW/CFNB/WDEV/YVKE-550 mess. [Connelly*R-MA]

567 IRELAND, R. 1, Tullamore, JUL 17 0157 - traditional piping & fiddling; good with WMCA-570 phased. [Connelly*R-MA]

SPAIN, RNE1, Madrid, JUL 17 0155 - SS teletalk with man & woman; fair to good with WBNW-590 phased. [Connelly*R-MA]

612 MOROCCO, Sebaa-Aioun, JUL 17 0023 - AA talk by man & woman; very good with WGIR nulled. [Connelly*R-MA]

621 CANARY ISLANDS, Santa Cruz de Tenerife, JUL 17 0024 -man & woman in SS; atop AA-sounding second station (Egypt?), fair through slop. [Connelly*R-MA] JULY 18 0130-0300 - Man & woman in SS. Nice signal despite TV sweep signals all around it. [Dangerfield-*BR-MA]

657 SPAIN, Madrid, JUL 17 0032 - SS talk; poor to fair with WFAN phased. [Connelly*R-MA]

666 PORTUGAL, RDP, Lisboa, JUL 17 0030 - slow EE pop vocal, then man in PP, // Azores-836; to good peaks. [Connelly*R-MA]

684 SPAIN, RNE1, Sevilla, JUL 17 0034 - operatic male SS vocal; excellent. [Connelly*R-MA] JULY 18 0130-0300 - Good signal got through in spite of WRKO and lots of TVI. Man, woman in SS. [Dangerfield-*BR-MA]

693 AZORES, RDP, Terceira, JUL 3 0156 - bits of tinny early '60's surf guitar instrumentation, then PP talk by man; excellent, way over others. [Connelly*rw-MA] JUL 17 0035 - mellow US soul vocal //836; excellent, way over presumed BBC. [Connelly*R-MA]

711 WESTERN SAHARA, Laayoune, JUL 3 0043 - female AA vocal; fair with WOR phased. [Connelly*rw-MA] JUL 17 0038 - Koranic AA chant; excellent, way over others and blowing out WOR. [Connelly*R-MA] JULY 24 0103 - Clear with typical music. [Dangerfield-PA]

747 NETHERLANDS, Flevoland, IUL 17 0159 - fair with man in Dutch. [Connellv*R-MA]

764 unID (possibly SENEGAL), JUL 3 0024 - carrier here on764 rather than765. Dakar with crystal trouble? [Connelly*rw-MA]

765 unID, JUN 17 0000 - wobbly carrier with AC ripple hetting weak Switzerland; low het growl resulting. Maybe Senegal? [Connelly*R-MA]

774 SPAIN synch. JULY 18 0130-0300 - Usual RNE programming. Good. [Dangerfield *BR-MA]

836 AZOREŚ, RDP, Barrosa, JUL 3 0031 - PP talk by man; to good peak, het from weaker837 noted at times. [Connelly*rw-MA] JUL 17 0030 - slow EE pop vocal, then man in PP, //666; very good. [Connelly*R-MA]

837 CANARY ISLANDS // SPAIN, COPE synchros, JUL 17 0045 - SS talk, badly beaten up by Azores-836. [Connelly*R-MA]

837 SPAIN Seville, JULY 18 0130-0300 - COPE program. Very strong. [Dangerfield *BR-MA]

846 ITALY, Rome, JUL 17 0201 - Il talk by man; poor with definite second station audio (S. Africa ?) just a bit under. [Connelly*R-MA]

855 SPÁIN, RNE1 synchros, JUL 17 0047 - operatic SS vocal, then SS talk; fair in slop (a tough-to-null groundwave/skywave mix) from WEEI. [Connelly*R-MA] JULY 18 0130-0300 - Man, woman in SS, good. [Dangerfield*BR-MA]

864 EGYPT, Santah, JUL 3 0149 - AA Koranic male chant; slightly over a jumble of others.

[Connelly*rw-MA] JUL 17 0202 - AA vocal mixed with possible Spain; poor to fair.

[Connelly*R-MA]

882 CANARY ISLANDS // SPAIN, JUL 3 0058 - man in SS; over rumble, WCBS phased. [Connelly*rw-MA]

882 UNITED KINGDOM, Washford et al., JUL 17 0056 - man & woman in EE; fair over others, through WCBS slop. [Connelly*R-MA]

891 ALGERIA, Algiers, JUL 17 0055 - HUGE with AA talk by man & musical interludes (flutes, strings, vocal); annihilating 890 stations. [Connelly*R- MA]

909 UNITED KINGDOM, BBC synchros., JUL 17 0101 - EE discussion/news item about the Royal Artillery; good over others. [Connelly*R-MA]

918 SPAIN, R. Intercontinental, Madrid, JUL 17 0102 - SS vocal; in slop. [Connelly*R-MA]

- 936 MOROCCO / SPAIN (t), JUL 17 0104 AA talk in jumble with others, including SS-sounding station. [Connelly*R-MA]
- 954 SPAIN, R. España, Madrid, JUL 17 0105 fast SS talk by man & woman; others audible behind. [Connelly*R-MA] JULY 18 0130-0300 Strong; music and talk. [Dangerfield *BR-MA]
- 999 SPAIN Madrid, JULY 18 0130-0300 Nice and clear, Man in SS. [Dangerfield *BR-MA]
- 1008 CANARY I [prob.] Las Palmas, JULY 18 0130-1300 Man in SS. [Dangerfield *BR-MA]
- 1017 TURKEY, Istanbul-Mundanya, JUL 17 0208 Turkish vocal music (resembling an AA / Greek blend); good, atop Germany / Spain. [Connelly*R-MA]
- 1017 SPAIN/TURKEY, JULY 18 0130-1300 The top station had SS talking but the other one had what sounded like Turkish music. Good signals. [Dangerfield *BR- MA]
- 1044 MOROCCO, Sebaa-Aioun, JUL 3 0003 AA vocal, then talk; starting fade- up. [Connelly*rw-MA]
- 1044 SPAIN, SER synchros, San Sebastian et al., JUL 17 0107 SS news by man & woman; excellent, over low rumble. [Connelly*R-MA] JUL 17 2350 Telephone talk in Spanish, occasionally strong but otherwise motorboating over an unlD station. [Conti-NH] JULY 18 0130-1300 Very strong with man in SS and no sign of Morocco. [Dangerfield *BR-MA]
- 1053 UNITED KINGDOM, TalkRadio UK synchros, Start Point et al., JUL 3 0123 EE teletalk; through WEVD slop. [Connelly*rw-MA] Jul 17 0109 "Good morning, you're on Talk Radio", then a teletalk discussion of a recent TV special about rock 'n' roll history. Excellent with WEVD phased to lower strength level than 1053. [Connelly*R-MA]
- 1089 UNITED KINGDOM, TalkRadio UK synchros, Brookman's Park et al., JUL 3 0143 EE sports talk; good with WBAL phased. [Connelly*rw-MA] JUL 17 0112 //1053 with teletalk discussion mentioning the Beatles and other famous rock bands of the last 40 years; EXCELLENT, clobbering WBAL. UnID station (Albania?) with talk by woman was way under. [Connelly*R-MA] JUL 18 0015 Heavy fading with moments of English talk discernible through difficult null of WBAL. [Conti-NH] JULY 18 0130-0300 UK Talk Radio like a local. I had to get our English friends who were traveling with us to listen. [Dangerfield *BR-MA]
- 1098 SLOVAKIA, Nitra / SPAIN, RNE5 synchros, JUL 3 0144 Slovakia with mellow instrumental music, over SS talker. [Connelly*rw-MA] JUL 17 0113 old-fashioned piano music & orchestra; LIKE A LOCAL! SS station & growl way, way under. [Connelly*R-MA] JUL 18 0025 Good with exceptionally strong fade- ins, usual easy listening music. [Conti-NH]
- 1107 SPAIN, RNE5 synchros, JUL 3 0138 SS female announcer, then into teletalk; fair with CKTY nulled. [Connelly*rw-MA] JUL 17 0117 man in SS; over others. [Connelly*R-MA] JULY 18 0130-0300 Excellent with SS talk. [Dangerfield*BR-MA]
- 1116 SPAIN, SER synchros, JUL 17 0118 poor with bits of SS newstalk occasionally surfacing over carrier jumble. [Connelly*R-MA]
- 1134 CROATIA, Hrvatska Radio, Zadar, JUL 3 0136 mellow Slavic male folk vocal; fair, over Spain SAH. [Connelly*rw-MA] JUL 17 0120 Croatia with EE light pop vocal evenly mixing with Spain's SS talk; in WBBR slop. [Connelly*R-MA] JUL 18 0100 Good to excellent; techno-pop music, 3 beeps marking top-of-the-hour, and Hrvatska Radio-Televizija ID into news in Croatian language, parallel a much weaker signal on1125 kHz. [Conti-NH]
- 1197 LESOTHO, BBC, Lancer's Gap, JUL 17 0003 BBC EE news; poor, in mix with unID music station that was likely Virgin Radio (heard an hour and a half later); Spain & Morocco seemed to be in the mix as well. [Connelly*R-MA]
- 1197 UNITED KINGDOM, Virgin Radio synchros, JUL 17 0135 -light rock music //1215; in mix with Lesotho & others. [Connelly*R-MA]
- 1206 unID, JUL 17 0133 maybe Israel or Poland with carrier & fragmentary audio (not believed to be France at this time). Slight het from likely Caymans on1205. [Connelly*R-MA]
- 1215 UNITED KINGDOM, Virgin R. synchros, JUL 3 0204 EE DJ talk, then "Good Thing" by Fine Young Cannibals; fair to good, atop Spain. [Connelly*rw-MA] JUL 17 0134 LOUD with EE talk, rock music; way over Spain. [Connelly*R-MA] JUL 18 0110 Fair to good; Stevie Wonder song and other '80s pop/rock hits. [Conti-NH]
- 1215 SPAIN/UK, JULY 18 0130-0300 A mix of Spain and Virgin Radio [Dangerfield *BR-MA]
- 1251 LIBYA, Tripoli, JUL 17 0137 bits of AA chant, in tough slop. [Connelly*R-MA]
- 1287 SPAIN, SER synchros, JUL 17 0138 bits of SS talk in garbled carrier pile. [Connelly*R-MA]
- 1296 SPAIN / SUĎAN (?), JUL 17 0140 SS talk mixed with AA-sounding vocal (though Sudan sign-on not until 0300 per schedule, so possibly Hindi music from R. XL, UK instead); poor through slop. [Connelly*R-MA]
- 1314 NORWAY Kvitsoy, JULY 25 0226 Good with fem pop vocal. This frequency was also heard from up at Bass Rocks, but I think SS stations. [Dangerfield- PA]

- 1422 GERMANY, Heusweiler, JUL 3 0207 classical music; poor to fair through slop. [Connelly*rw-MA]
- 1521 SAUDI ARABIA, Duba, JUL 3 0208 pre-sign-on carrier at monster level, annihilating WWKB. [Connelly*rw-MA]
- 1548 UNITED KINGDOM, unID city, JUL 17 0152 EE teletalk show; poor, in slop. [Connelly*R-MA]
- 1575 SPAIN mixed, JULY 18 0130-0300 Mostly a jumble but strong. [Dangerfield *BS-MA]
- 1584 SPAIN SER stations, JULY 18 0130-0300 Another strong jumble. [Dangerfield *BS-MA]
- 1602 SPAIN various, JULY 18 0130-0300 One very strong one with SS talk over others. Perhaps Vitorio. [Dangerfield *BS-MA]

Ben speaks: "Last week I took the R8A and KIWA up to Bass Rocks, Gloucester, MA, where I DXed from the Oceanview Hotel which is about 100 yards from the ocean and the DX was interesting although the TVI was terrible and I know I lost a lot of good stuff because of it. I did all my TA tuning between and 11 PM local time [0100 and 0300 GMT]."

PAN-AMERICAN DX

- 535 GRENADA, St. George's, JUL 17 0154 Caribbean EE talk by man about farmers; good, above RVC-530 slop. [Connelly*R-MA]
- 540 MEXICO "K-News", Tijuana BCN, JUL 9 0215 Heard with EE news program; not sure of calls. [JR*CA]
- 555 ST. KITTS & NEVIS, ZIZ, Basseterre, JUL 17 0021 soca male vocal & high-intensity drumming; good. [Connelly*R-MA]
- 590 UNID, JUL 16 1010 SS talk heard. [McGuire-MD]
- 595 DOMÍNICA, DBS, Hillsborough, JUL 3 0159 Caribbean-EE talk; poor to fair, just getting by a strong Portugal-594 het. [Connelly*rw-MA] JUL 17 0016 light pop female vocal; fair with WBNW-590 phased. [Connelly*R-MA]
- 640 UNID, JUN 29 1035 Spanish talk, mention of Colombia. [McGuire-MD]
- 640 CUBA? JUL12 0525-0530 "Xanadu" heard, SS talk, mention of Cuba. [McGuire-MD]
- 640 VENEZUELA (t), likely YVQO, Puerto La Cruz, JUL 17 0026 fast SS talk & Venezuela mentions over WNNZ/CBN/others. [Connelly*R-MA]
- 650.84V/t CUBA?, JUL 31 possible R Sandino here, has been varying slightly around this frequency for the past week or so, but haven't pulled any audio. Any gulf-coasters get any audio out of this one? [Crawford-FL]
- 690 ANGUILLA, Caribbean Beacon, The Valley, JUL 3 0033 male EE preacher; good with CBF phased. [Connelly*rw-MA]
- 705 ST. VINCENT & THE GRENADINES, Kingstown, JUL 17 0037 Carib-EE talk; in static. [Connelly*R-MA]
- 750 VENEZUELA, YVKS "R. Caracas Radio," JUL 6 0310 "Informe RCR" promo, into Catholic program with female host, good, mixing with WSB. [Yocis-NY] JUL 17 0042 SS baseball coverage of a Caracas team, mentioned "el foul" and "la pelota" (ball); big signal, way over CBGY/WSB. [Connelly*R-MA]
- 760 COLOMBIA, RCN, HJAJ, Barranquilla, JUL 3 0128 SS talk, RCN ID; loud, way over everything else. [Connelly*rw-MA]
- 860.3 unID, JUL 17 0050 a somewhat wobbly low het against the traffic jam of Latin Americans on 860. [Connelly*R-MA]
- 880 VENEZUELA, YVYM "Mundial 880" Puerto Ordaz, JUL 8 0537 -Uptempo SS music, loud, often alone, with local WCBS on rare silent period. Many "8-80" and "Mundial" IDs. Much QRN. [Yocis-NY]
- 880 VENEZUELA, "R. Paraguana," Punto Fijo, JUL 8 0622 More ballad-like SS music, mostly under Puerto Ordaz; definite "Paraguana" ID at this time. [Yocis-NY]
- 880 MEXICO XEQQQ Villahermosa, Tabasco, JUL 3 11050 slow male vocal nortenas, man with ID as "Super Q" into more of same. Poor through Progreso. [Crawford-FL]
- 895 ST. KITTS & NEVIS, VON, Charlestown, JUL 3 0058 good with reggae. [Connelly*rw-MA]
- 930 MEXICO UNID, JUL 17 0706 This one drove me nuts, in KKHJ R. Alegría null, heard many times this week, but no ID. [JR*CA]
- 990 MEXICO XECL Mexicali BCN, JUL 0747 Slogan as "La Californiana", ID at 0800 with calls and 5000 watts mentioned. [JR*CA]
- 1020 TURKS AND CAICOS, Caribbean Christian R., JUL6 0120 Fair under KDKA with ID, preacher from Halifax. [Yocis-NY]
- 1050.3 unID, likely Latin American, JUL 3 0125 300 Hz het on high side of WEVD. On1050, there was a growl & some SS talk under WEVD, instead of typical subdominant CHUM. [Connelly*rw-MA]

- 1100 ANTIGUA, ZDK, St. Johns (t) JUL 17 0115 in mess with apparent Caribbean EE shouting with only clear words "It's Soca, Man". Bits of PP (Brazil) and SS stations were in the stew as well. WWWE easily nulled to nothing. [Connelly*R-MA]
- 1100.3 COLOMBIA, CARACOL, HJAT, Barranquilla, JUL 3 0117 SS teletalk; fair to good. [Connelly*rw-MA]
- 1150 MEXICO XERM Mexicali BCN, JUL 0859 Radio Formula program, with long list of network outlets at this time. I reported this one as an unID "Radio Popular" last year, but definitely R. Formula. Flagship station mentioned first, XEDF970 Mexico City, also Tampico 880, XEKAM Tijuana 950, Sonora 1370 and others (interference from Kiss FM made it hard to hear all of this). While monitoring this one for an ID, 1 heard a distinct "XEPM" ID at 0834, but nothing listed with these calls. [JR*CA]
- 1160 BERMÜDA, VSB3, Hamilton, JÜL 3 0107 BBC World Service ID, item about Palestinians; good, over WOBM. [Connelly*rw-MA]
- 1169.4 unID JUL 17 0122 het against WKPE/HJNW/WWVA. [Connelly*R-MA]
- 1170 COLOMBIA, CARACOL, HJNW, Cartagena, JUL 3 0105 initially WKPE groundwave (exceedingly low-fidelity rock //104.7 FM) was atop, then seemingly out of nowhere "CARACOL, Primer Cadena de Colombia" steamrolled in right over it. HJNW and WKPE are on similar bearings from the Rowley site. [Connelly*rw-MA]
- 1180 CUBA R. Rebelde, JUL 19 0306 Heard before local sunset with bells at 0300, world news in SS, mentions of Holguin and Camaguey, and finally a "Rebelde" slogan at 0306. California station easily nulled. My third Cuban reception in San Diego. JJR*CA]
- 1205 CAYMAN ISLANDS (t) JUL 17 0133 het against unID1206 TA. [Connelly*R-MA]
- 1280 MEXICO UNID, JUL 31 1055-1145+ "Radio La Potente", location unknown, rancheras alternating with very fast talking man, fightning SC station, IDs around1100 with possible mentions of Yucatán. Recheck 1145 much better but still no exact location, no matching listings here. Seems XE as opposed to more common I-L pomodorero station. [Crawford-FL]
- 1380 XE Tecate BCN, JUL16 0128 This one also carries SS Padres béisbol, in addition to the 1420 flagship in Tijuana. [HR*CA]
- 1390 MEXICO? unID, JUL 17 0939 With SS "Dios Me Diga" call-in program, ID as "13-90", could be domestic. [JR*CA]
- 1470 MEXICO XERCN Tijuana BCN, JUL 17 0909 Noted with open carrier at this time. [JR*CA]
- 1470 VENEZUELA, YVST "R. Vibración" Carupano, JUL 19 0127 Mostly over WKAP in WMMW null, nice ID: "Carupano ... Radio Vibración ... significando Blasta (?) Radio." This station is often logged in Europe, but new for me from any location. [Yocis-NY] (nice log in the summer Jim)
- 1610 HAITI Radio Tropicale, JUL 31 1010-1030+ FR gospel program to 1030, finally clear ID by man as such, mentions Haiti, into Beethoven's 5th. Better now that my dad chopped 200' off the temporary N-S longwire with his RV. [Crawford-FL]

Jim speaks: "I was suprised to find little static or noise on the band while in California, and it was great to hear Cuba, I just didn't have a whole lot of time for more DXing!"

TRANS-PACIFIC DX

- 180 RUSSIA Petropavlofsk, FE, JUL 4 1130 heard in Russian, parallel 243 with fair signals. [Bryant*WA]
- 243 RUSSIA Radolnoye, FE, JUL 4 1130 noted in Russian at 1130 / / 180 kHz. [Bryant*WA]
- 279 RUSSIA Yuzno-sakhalinsk, FE, JUL 4 heard in Russian with the best signals of the bunch.
 [Bryant*WA]
- 531 NEW ZEALAND Pacific Island Radio, Auckland, JUL 1 0730 with Polynesian programming. Dominated 2MC throughout the DXpedition. Great programming. First noted7/1 at 0730. [Bryant*WA]
- 612 AUSTRALIA 4QR Brisbane, JUL 2 1205 on with ABC News, Metropolitan Service. Excellent. [Bryant*WA]
- 666 AUSTRALIA 2CN Canberra, 1300 heard with ABC Metropolitan Service programming at fair level, parallel 774 & 1512 until 1300. This freq then went off the air at 1300 or faded drastically, precisely at the hour. [Bryant*WA]
- 666 NEW CALEDONIA RFO Noumea, JUL 3 1245 presumed with music program hosted by male in French. This the only Pacific FF speaker on this channel. This thanks to David Clark at the next radio. [Bryant*WA] (Dave sure gets around, he was sitting next to me in Newfoundland! Jim)
- 702 AUSTRALIA 2BL Sydney Noted with ABC Metropolitan Service & a big signal //774 etc. [Bryant*WA]
- 756 NEW ZEALAND 1YA Auckland, JUL 4 1201 heard with national news at excellent levels.

 [Bryant*WA]

- 765 NEW ZEALAND 2XT Napier, presumed, JUL 2 1210 Many ments of New Zealand and time checks on a phone/talk show. Good level. [Bryant*WA]
- 774 AUSTRALIA 3LO Melbourne, JUN 30 1300 heard at very good level at max dawn with ABC Metropolitan Service discussion program until 1300. Also heard parallels 666 & 1512. [Bryant*WA]
- 783 NEW ZEALAND 2YB Wellington, JUL 1 1240 with an eclectic music program including Gilbert and Sullivan along with Patsy Cline (!). Excellent level. [Bryant*WA]
- 792 AUSTRALIA 4RN Brisbane, JUL 2 1120 noted with an "artsy" music program. Good level. [Bryant*WA]
- 810 NEW ZEALAND 4YA Dunedin, JUL 2 1250 absolutely dominating semi-local KGO and parallel to 837-1YX. Got this thanks to wiley Bruce Portzer at next radio. Good level. [Bryant*WA]
- 846 NEW ZEALAND? Possible 2ZD, R. Wairapa, JUN 30 0740 heard with music show hosted by fem at 0740 on 6/30. News by female news reader at 0800. Fair/poor levels. Latest OZ list does not list this, but it sounded Kiwi? [Bryant*WA] (My list DXer's Calling Australia, MAY 1996 shows three Australian stations, 10 kW in Canberra the strongest Jim)
- 873 AUSTRALIA 2GB Sydney, JUL 4 1122 heard with Fair signals running a talk show. [Bryant*WA]
- 936 AUSTRALAI 4PB Brisbane, presumed, JUL 1 1135 with a discussion of public broadcasting, also 7/3 & 7/4. Fair to good level mixing with Hobart, 7ZR. [Bryant*WA]
- 936 AUSTRALIA 7ZR Hobart, Tasmania, JUL 2 1200 heard at good level mixing with 4PB on7/2 & 7/4 from around 1200 to 1245. This most welcome as my first Tasmanian station. I called station to determine which was which; they are the ones who do NOT run Radio Australia programs at 1230 on 936 kHz. [Bryant*WA]
- 954 AUSTRALIA 2UE Sydney, JUL 4 1215 heard with a feature on juvenile crime problems. Excellent signal. [Bryant*WA]
- 1008 NEW ZEALAND IZD R. Tauranga, JUN 30 0830 noted in passing with a talk/interview show at fair levels on a fabulous "Kiwi Morning" at Grayland Beach. [Bryant*WA]
- 1017 TONGA A3Z R. Tonga, JUN 30 0635 Noted at 0635 on 6/30 at good level with unmistakable Tongan choral singing. Heard several other mornings, also. On until about 1230 on JUL 4 with HUGE signal at max dawn. [Bryant*WA]
- 1035 NEW ZEALAND 2ZB Wellington, JUL 4 1129 heard with good signals running a phone/talk show. [Bryant*WA]
- 1134 JAPAN JOOR Tokyo, JUL 4 1107 noted with excellent signal with two men speaking Japanese. [Bryant*WA]
- 1287 JAPAN JOHR Sapporo, JUL 1 1147 heard at excellent levels with Beatles tunes, also JUL 2 and JUL 4. [Bryant*WA]
- 1332 JAPAN JOSF Nagoya, JUL 2 1135 heard with a political discussion by man and woman. Also logged at good level at 1138 on JUL 3 & 1135 on JUL 4. [Bryant*WA]
- 1377 JAPAN NHK2 synchros, JUL 4 1140 in Japanese with good signals. [Bryant*WA]
- 1386 JAPAN NHK2 Synchros, JUL 2 1130 noted with English lessons. Also noted briefly at 1250 on JUL 3 & JUL 4. Fair level. [Bryant*WA]
- 1386 NEW ZEALAND R. Tarana, Auckland, JUN 30 0712 now back on the air with Hindi programming as per OZDX. Noted with TC by man who continued in Hindi with news(?) followed by Hindi ballads. [Bryant*WA]
- 1467 FIJI R.Fiji, Rakiraki, JUN 30 0930 with Hindi programming. This one a steady performer on several mornings. [Bryant*WA]
- 1475 MALAYSIA RTV Malaysia, Kota Kinabalu, JUL 2 1139 hets noted each morning on this persistant off freq station. Audio was at1139 with Malaysian pops tunes and on JUL 4. Good level on JUL 4. [Bryant*WA]
- 1476 NEW ZEALAND 1XD, Auckland Airport Station, JUN 30 1230 heard with early and mid-50's American ballads hosted by a male announcer. Good level. [Bryant*WA]
- 1512 AUSTRALIA 2RN Newcastle, JUN 30 1250 heard at good level running ABC Metropolitan Service programming parallel to 774 & 666. [Bryant*WA]
- 1566 SOUTH KOREA HLAZ, Cheju Island, JUL 21145 heard with Chinese programming. Poor level. [Bryant*WA]
- 1602 NEW ZEALAND 2XA Levin, JUL 2 1145 heard parallel to 3935 ZLXA at very poor level with opera (thank goodness, as that cut thru the QRM.) ZLXA level good. [Bryant*WA]
- 620 AUSTRALIA Nerang, QSLD??, JUL 31125 Unsure which new Aussie this was. Was running light rock music and quite a few commercials. Fair level. [Bryant*WA]

DID YOU KNOW that the first three full time radio stations in the U.S. were KDKA, Pittsburgh: WGY, Schenectady, and WDAE in Tampa?

DX ON LINE

The Medium Wave Circle (UK) has a new WWW Homepage with the URL:

[http://www.geocities.com/Hollywood/5613/mwc.html]

Here you'll find public information about the Circle, its activities, press releases and publications (including the Reprint Service). [Steve Whitt via e- mail]

CONTRIBUTORS (@ = via e-mail)

John Bryant, David Clark, Bruce Portzer, and Craig. Seigenthaler, DXing from Grayland WA (JUN 30-JUL 4); Bryant using NRD525,1000 Beverages at 270 & 240 degrees, only includes Bryant's logs. (Thanks for the text file, John!)

@Mark Connelly, WAIION, DXing from Parker River National Wildlife Reservation, Rowley MA (rw); Drake R8A, RW-1 active whip, RL-1 remotely-tuned loop; phased via DCP-2 Dual Controller - Phaser. Also DXing from Rockport MA (Granite Pier site); Drake R8A, RL-1 remotely-tuned loop and RW-1 active whip; to DCP-2 controller - phaser.

@Bruce Conti, Nashua, NH; Drake R8A, MWDX-5, 30-m east sloper, 30-m wire.

David Crawford, Oak Hill FL; Drake R8,1000' E-W beverage,100' N-S shortwire.

@Ben Dangerfield, Wallingford, PA, and Bass Rocks, Gloucester MA; Drake R8A, 2 slopers, KIWA and DL2 phaser.

William McGuire, Cheverly MD.

Jim Renfrew, DXing from San Diego CA; Sony 2010, Radio West Loop.

@David Yocis, South Nyack NY; R71A, Kiwa loop [73564.203@compuserve.com]

BUZZING WITH BEN

Yes, I am still trying, but what I've been hearing is mostly what the others have been reporting and therefore really not worth repeating. My main concern is my continual problem, my buzz. After pleading with PECO Electric to help me, I think I have finally traced most of this problem to my neighbor in the house behind ours. They went away last weekend and the buzz has been almost continuous. What I eventually found back there was a maze of timers and light sensors working inside and with outside spotlights. I happened on this when I discovered that the buzz was going off and on exactly when one of their spotlights was doing the same. I went over and removed the bulb and the buzz stopped, so I left a note with the family's son who is watching the place. He agreed that the light sensors were probably the cause and disengaged some of them - but not all, so my noise hasn't completely stopped. He said they had had this system about 2 years, which would explain a lot of my buzzing over that period of time. Next time I see him I will try to suggest that they remove the other timer-sensors.

Has anyone else had this problem with light timer/sensors? Does anyone have any ideas about any devices I could attach to my antennas or radio to decrease the problem? This buzz at its worst blankets the LW band, the lower MW band, and causes trouble all the way past 4000 kcs. It isn't usually continuous and under normal conditions is not on days and goes off during the evening hours. But how can you tactfully tell your neighbors [good one, too] to change their security system? [Ben Dangerfield-PA] (Mr. Buzzz apparently moved out of my neighborhood for good in early June/late May after an intense lightning storm passed through. A resident for some two

years, he will not be missed. -pls)

ORMANDY IN OAMARU

Paul Ormandy, paulorm@es.co.nz. Oamaru, South Island, New Zealand. Most AM DXing is done from our family's cabin at Waianakarua (pronounced wai-anaka-rua) some 20 miles South oh here and about 4 miles form the coast. My only receiver is the venerated Drake SPR-4. I use a Maynard W-O loop at home and am fortunate to have enough real estate at the cabin for a selection of Beverages: 250 metres at 30 deg for Hawaii & Alaska, 300 metres at 50 deg for West Coast USA, 2 x 400 metres for East Coast USA/Mexico, 400 metres at 110 deg for Northern South America & Caribbean, plus when I'm staying for a week or so, another 450 metres at 125 deg for Southern South America and 250 metres at 355 deg for Japan/Korea. I also DX SW but mostly from home when I'm at Waianakarua MW is too good to DX SW!!!!!! I specialize in South Americans on MW and have just QSL'd #200.

690 0800 ECUADOR HCJB1 Mt Pinchincha, weak sig at best w/DX test. Code breaking through the mess caused by Aussie on 693. Earlier tests were well received becasue the Aussie had not faded in to an appreciable strength. Ormandy 7/7

900 0422 MEXICO XEW La Voz de América Latina, Mexico, vgd sig w/id & list of affiliate stns & freqs & into ballads. Ormandy 7/7

900 0422 PERU R El Sol, Lima, while XEW was thundering in on one aerial, El Sol was doing a

STATION NEWS

ALGERIA: In English on 252 kHz 0535-0540 and 2000-2100, in Spanish 0625-0630 and 1900-2000. [Jorge Garzon, Grupo Mediteranee DX]

ARGENTINA: La Universidad de Buenos Aires, according to a newspaper clipping of APR 23, is to open a station on 1620 with 5 kW day, 1 kW night. [Via R.G. Margenet in Play-DX #894]

AUSTRALIA: DXer's Calling, Australia (formerly known as DX Australia) has a new Australia Medium Wave List, as of MAY 1996, compiled by James Niven. You may obtain a copy from Jim Renfrew by sending a SASE plus one first class stamp.

AUSTRALIA: "Greek Radio" is now on air from the Sydney suburb of Kingsgrove, on 1665 kHz with 200 watts into a vertical antenna (soon to be 400 watts). Programming is Greek music. No announcements will be aired until mid-late August. Veri-signer is Demis Psomas, PO Box 512, Kingsgrove NSW 2208, Australia. Return postage required (stamped envelope within Australia or an IRC overseas). Mr Psomas will appreciate DX reports. [Info from John Wright, Caringbah NSW, Australia via Michael Rolph e-mail]

CYPRUS: new MONACO item.

GERMANY: NDR Kiel612 will become Jugenradio under the name "Power 6-1-2" Transmissions will start during the autumn and the schedule will be 24 hrs. [Radiotreff via BE in ARC JUL

MEXICO: 620 XEHGR Globo 620 (ex Radio 620); 1180 XEFR R. Capital (ex R. Felicidad); 1290 XEDA Radio 13 (ex Rock & Radio); 1380 1380 AM La Poderosa; 1440 XEEST R. Éxitos slogan "Oror 144-40 AM". [Hasse Mattisson from visit to Mexico, in ARC JUL 1]

MONACO: DW and R. Monte Carlo have been conducting negotiations. On short notice DW will relay the Aa service to Tunisia, Algeria and northern Morocco via the RMC 600 kW transmitter on 702 kHz. By January 1997 DW will rent R. Monte Carlo Cape Greco Cyprus facility on 1233 kHz. DW will be renting the 1200 kW transmitters at Tbilisskoye (Krasnodar) on 1089 and 1170 kHz. The new DW schedule already shows 170 for the Turkish service. [ORF via WB via DSWCI in ARC JUL 1] July DW schedule shows 04-0550 AA, 06-08 GG,12-13 FF, 17-19 GG, 19-21 AA. [BE in ARC JUL 1]

NETHERLANDS: 1395 Hilversum now "Jazz Radio". [M. Elbe in DX Window #21, in Play-DX

OMAN: BBC is planning to build a replacement relay station in Oman. An agreement has been signed with the Omani government for a new transmitter site to serve the World Service's estimated 50 million audience in the Middle East, the Indian subcontinent and central Asia. The site, Al-Ashkharah overlooking the Arabian Sea on the Omani mainland, will replace the transmitters on Masirah Island off the Omani coast. The transmitters will be closed in 2001. The equipment at Masirah is obsolete and will be decommissioned and the site made safe. It is hoped that work on the relay station will start early next year, and that the new station will be operational before the Masirah transmitters close. The relay station will comprise four shortwave transmitters of 300 kW and two medium wave transmitters of 600 kW. [BBC World Service press release via WB via DSWCI via ARC [UL 1]

PARAGUAY: ZP?? R. Uno is a new station from Asuncion noted with tests, official opening MAY 15, power must be at least 10-20 kW, schedule 0900-0400. [Levi Iversen, DSWCI in ARC JUL

TONGA: A new frequency for Tonga 1233 has been heard by Robin Chambers. Subsequently heard by Bryan Clark on JUL 5 but with a much weaker signal than 1017. Paul Ormandy speculates that it may be located on an island other than Nukualofa. Bryan has also been hearing an unidentified Pacific Island station on 1098, possibly WSZO. [Bryan Clark in DXer's Calling (Australia), JUL 1996]

VANUATU: Bryan Clark heard Vanuatu on the new freq of1179 kHz. [Paul Ormandy, New Zealand, via e-mail]

UNIDS, OUERIES, ETC

Re: Harley Deleurere request for help. "I checked my copy of the book The Amuzing AM by the DX Listeners' Club of Norway, and it lists Freiheitssender 904 in Burg, Germany as operating on 908kHz. It doesn't give precise dates but says it was operating for some or all of the period 1945-1960." [Steve Whitt via e-mail]

BORDER RADIO

Along the border between the US and Mexico, in the 1930's several high-power EE language stations were built. Jerry Trowbridge represents an American group which is producing a video documentary on a station known by the call letters XER, XERA, and XERF during its history. If you heard the station, or know someone who did, please contact Jerry at [jerry@pigsfly.com] or to Bryan Clark, PO Box 3011, Auckland NZ who will forward mail to Jerry. [DXer's Calling, JUL 1996]

15

good job on the Latin beverage, 2 MAs chatting about Olympics, Ormandy 7/7

1070 0429 COLOMBIA HJCG R Santa Fe, Bogotá, FA w/"Las once y treinta en Radio Santa Fe" then flute mx. Ormandy7/7

1140 0315 CHILE CB114 R Nacional, Santiago, even at this relatively early hour (3:15 pm NZ time) a good sig, carrying "La Voz de la Liberación" progs as also heard on 780 via R Victoria in Lima, but not in //. Ormandy 7/7

1240 0451 COLOMBIA HJFG RCN Armenia, usual nx prog w/'phone callers, RCN ids. This one is getting semi-regular. Ormandy 7/7

1290 0454 COLOMBIA RCN Garagoa (tent) pres this one on 24hr sked (contrary to WRTH) w/RCN prog //1240, 980, 990, 1000 etc. First time ever hrd and spoilt at times by unid off-freq wanderer. Ormandy 7/7

1300 0635 COLOMBIA R Reloj - but which one? no local id, semi-solid but couldn't pull a town or anything allowing for a positive id. Ormandy 7/7

1340 0416 COLOMBIA HJFB R Uno, Bogotá, vgd w/cumbias, RCN R Uno ids. Ormandy7/7

1360 0724 USA WMOB Mobile AL, MA w/id as 'THE gospel station serving the Mobile Bay area..." then gospel songs w/interjections by the MA, similar slogan w/full call just prior to 0800. Ormandy 7/7

1380 0418 CHILE CB138 R Corporación, Santiago, last few times this has been heard w/Corporación prog rather than the old Colo Colo - perhaps someone closer to the action can say what is happening here? Ormandy 7/7

1610 0408 ÁNGUILLA Caribbean Beacon, best heard at this time for quite a while. Dr Gene shooting down Nostradamus' theories! Ormandy 7/7

1630 0606 USA KXBT Vallejo CA, pr sig u/beacon with a couple of older soul/disco tracks that I recognized then a whole lot I couldn't!, hard log. Ids "Solid Gold Soul". Ormandy7/7

1660 0520 USA WJDM Elizabeth NJ, first time loggable audio hrd since March/April so things are looking up/R Aahs id and into new prog with new host. Ormandy7/7

CRUISING WITH CONTI

TA reception was exceptionally good the night of JUL 17-18 (UTC) from my home base in Nashua, NH. The night seemed more like winter; static from lightning was minimal. Croatia-1134 blasting in with techno-pop music and an HRT ID //1125, but not // any SW. Slovakia-1098 also blasting. England had strong moments on1089 & 1215, but was subject to long fade outs. Spain was good on1044. A strong het was noted on 1250, likely from Libya-1251, but I couldn't get any audio. UnID signals also noted on 1116 and 1152 (likely Spain). If 1 didn't have to go to work the next morning, I could've easily kept going through 0500 UTC to log more countries. Quite surprising for mid-July. In addition, strong LA signals were noted on 1060, 1080, 1100, & 1130 kHz among others, but I didn't take the time to ID any of them when just about every TA frequency was active. Interestingly, conditions were back to normal the following night (JUL 18-19), with just weak hets noted on 1089 and 1098, and only poor reception of the regular LA's on 750, 760, 860, etc. In fact, the difference was so dramatic, l had to double check that my antenna wires were still intact. Oh well; the one night was apparently just a teaser for what's coming in August. 73 [Conti-NH]

CONNELLY ON KITTERY

From: IN%"MarkWA1ION@aol.com"

*** DX Travel Tips: Information on Kittery, Maine pier DX site ***

The Kittery town pier is located behind "Simeon's Galley" restaurant less than a mile north of Fort McClary along Route 103. The street to enter the pier parking lot is directly across 103 from the small Kittery Point US Post Office building. The location is best suited to vehicle-mounted active antennas: it has even less space for wire-stringing than Granite Pier does. The Kittery pier offers very good exposure southeast (Brazil, low Africa) with reasonable pick-up around the compass clockwise from northeast to due south, so generally good reception of stations from Europe / Middle East, Africa, and South America is possible on propagationally-favorable evenings. I used this site a few years back and had decent sunset Africans followed by a good run into the Caribbean and South American areas as darkness deepened. Signal strengths from Europe & Africa aren't likely to be any better than at closer sites on Cape Ann and the South Americans are probably a bit stronger on Cape Cod. The advantage to the Kittery site is less Boston and NYC QRM. The QRM you do get is more easily nulled out with a loop-vs.-whip cardioid set-up than it would be at the eastern Massachusetts sites.

Unlike Fort McClary down the road, the parking is free and there are no apparent restrictions on post-sunset parking. The site is a quick drive from the junction of I-95 and Route 103, just over the bridge from Portsmouth, NH. Best access from metro-Boston is via 95; Merrimac valley via 495/95; and southern NH via 101, 102, or 111 to metro-Portsmouth.

The site tends to be busy with car and foot traffic during the summer tourist season, but from late September to late April ... coinciding with the best time of the year for MW DX ... crowding isn't that had

Others are hereby welcomed to share their ideas about good DXpedition sites within a reasonable driving distance of metro-Boston. Of the greatest interest is information about sites usable for Beverage-length wires (without undue meddling by police, the general public, etc.). The Rowley QTH is the best currently-known site in that regard. Serious medium-wave performance requires nearby salt water and VHF DX needs high altitude above average terrain, but tropical / SWBC DXpedition locations probably don't mandate such stringent conditions. At any site, of course, very low (to non-existent) manmade electrical noise is a prime requirement. [Mark Connelly]

Formats

Tony Fitzherbert 356 Jackman Avenue Fairfield, CT 06430-1728

Changes in programming status; reported by listeners

I am listening to Bob Bittner's WJIB-740 while beginning to assemble this column on a hot July Saturday afternoon in Boston. A visit to 740 here is always a pleasure - and Bob is now vending delightful easy listening CD's and tapes, as advertised on his station. While passing through Worcester I noted that WNEB-1230 has still not returned to the air.

The first part of the annual railfan trip, to Chicago was an opportunity to obtain material for station profiles of five very unique suburban radio stations. However, when I arrived at WKGA - 1500's address, I found a travel agency at that location. The station totally simulcasts WTAQ-1300 with its Mexican format. And as I visited the eight tower WCFJ-1470 site several miles south of the hamlet of Crete, in a cow pasture, the station was totally dead. The CE at another station told me that "The FCC shut them down, as the preacher that owned the station neglected to pay his bills, including money owed to the FCC"! That can do it! From a railfan perspective, the Lake Street "L" offers perhaps the most spectacular rapid transit ride in the USA, as the Chicago skyline looms up in front of the train in dramatic fashion as the motorman operates the train into the Loop area at speeds of over 55 mph! CTA thoughtfully put three seats at the huge front window of the train next to the motorman for railroad buffs to enjoy.

Locally, according to the New York Daily News, WLIR-1300, Spring Valley, is no longer all Jewish radio. It seems that the owner defaulted on his payments for the station, so the prior owner called the local sheriff's department. The lawmen evicted the errant management, and the station reverted back to its prior owner, who, after phone lines were installed, went to a hits from the '40's to the 70's format. And Al Holtz, now retired from Conrail, notes that WRNJ-1000, Hackettstown, NJ has moved to 1510, (900 watts day, 230 watts nights), formerly occupied by WRAN, Dover long ago. And WINS-1010 has put up four huge new towers near its four in line towers in the Jersey Meadows, to enhance its coverage of the Garden State. This column comes from the M Street Journal and your editor in his travels around New England and Chicago.

570	KLAC	CA	Los Angeles
580	WBIL	AL	Tuskegeee
610	WPLO	GA	Grayson
640	WBOW	IN	Terre Haute
710	WREM	ME	Monticello
730	WJTO	ΜE	Bath
740	WBAW	SC	Barnwell
800	KDDD	TX	Dumas
820	KCBF	ΑK	Fairbanks
820	WSCR	ΙL	Chicago
860	WAMO	PΑ	Pittsburgh
860	KEEE	ΤX	Nocagdoches
860	KFST	ΤX	Fort Stockton
880	KJOJ	ΤX	Conroe

WCLZ ME Brunswick

550 WHYM NC Statesville

- JSN Adult Standards.
 JSN Adult Standards.
- Black Gospel.
- Now regional Mexican.
- All talk.
- Country and talk//WEGP-1390.
- "All Talk 730", talk (TF).
- News and talk//FM.
- ABC Standards.
- All talk, local and syndicated.
- "The Score", all sports (TF).
- Urban AC and talk.
- Urban and gospel, here from 1230.
- JSN Soft Adult Contemporary.
- Religion
- Still all shopping, automated repeating tape, legal ID is at the beginning of the tape, ID's for "Brunswick - Portland" (TF).



18				
940	WIDG	ΜI	St. Ignace	- JSN Oldies "Kool 94".
950	W???	1L	Chicago	- //FM, all Hip Hop, PM Drive show is "Foreplay at Four"
			-	- the chants about legalizing drugs and contempt for
				police was so offensive to me that I did not hang around
				long enough to hear the ID. (TF).
950	KOEL	lA	Oelwein	- Farm news and talk.
	WMVP	IL	Chicago	- Now talk, reduced its all sports format.
	WRHL	IL	Rochelle	- Farm news and talk.
	WHFB		Benton Harbor	- WW-l 70's oldies.
	WPHC		Waverly	- Religion.
			Louisville	- ABC Real Country Music.
			Camden	- ABC Standards.
	WBXR		Hazel Green	- Reach Southern Gospel.
	KYET		Williams	- AP News and talk.
			Annapolis	- ABC Real Country Music. "The Stations You Can Count On"
	WOTS		Kissimme	Talk and '70's olding CARLINVILLE 62626-0555 HILLSBORO 62049-9523
	WSME	_	Sanford	- Talk and 70's oldies. Greenville 82248-0012 LITCHFIELD 62098-0010
	WJBB		Haleyville	- Southern Gospel.
	WESX		Salem	- Full service, adult standards "News-Info 1230" (TF).
	KSFA		Nacogdoches	- News and talk, moved from 860 khz.
1240	WTME	ME	Lewiston	- Religion and ultra conservative talk, much // of WOXO-
4040	T. T. A. T. T. T.	3.40	0 11 11	1450 (TF).
			South Haven	- Blues.
	WDAE		Tampa	- Hot adult contemporary / FM.
1250	WKCR	NH	Manchester	- Now on the air on Sunday, I heard brokered ethnic
			_	programming while driving through Manchester (TF).
	WNSS		Syracuse	- AP News.
1280	WFAU	ME	Gardner	- Adult standards, for decades the old 1340 call in nearby
				Augusta! (TF).
1280	WEIM	MA	Fitchburg	- Full service, live assisted AC (TF).
1290	KALM	MO	Thayer	- Gospel and United (ex-PRN) talk.
1290	KOWB	WY	Laramie	- News and talk.
1310	WPLV	GA	West Point	- Urban.
1310	WLOB	ME	Portland	- Religion and conservative talk (TF).
1330	WOLD	VA	Marion	- Soft AC//FM, gospel from 0800 to 0930.
1340	WMDR	ME	Augusta	- Religion (TF).
			Wilmington	- CSN Childrens Programming.
	WCMP		Pine City	- ABC Adult Standards.
1360	WGEE		Green Bay	- News and talk.
	KWNC		. Quincy	- United Talk.
1380	KRNN		North Little Rock	- News and talk//KARN.
1380	KLIZ		Brainard	- News, talk//KVBR.
	WEGP	ME	Presque Isle	- Country music and talk, //by 710.
	WZAZ		Jacksonville	- Black gospel.
	WAJQ		Alma	- Southern Gospel.
	WYKC		Grenada	- ABC Urban Gold.
	WPCE		Portsmouth	- Religion.
	KLTW		Sierra Vista	- MGS Contemporary Chrisatian.
-	WGAS		South Gastonia	- Contemporary Christian / WOGR.
	WGFS		Covington	- Country music and talk.
	WEEF	IL	Highland Park	
1430	WEEL	1L	Ingiliand Laik	- Greek in the AM, Italian in the PM, and Assyrian on
1450	WNBP	311	Maruhamanant	Saturday! (TF). - Hits 1960's - 1980's, USA News (TF).
			Newburyport Wolf Point	
	KVCK			- JSN Oldies / FM.
14/0	WZOU	ME	Lewiston	- Mostly automated adult standards//WLAM-870 and
1.470	IAICDO	3.6.4	Maulhananah	new 106.7 FM (TF).
14/0	WSRO	WΙΑ	Marlborough	- Hits 1960's - 1990's, "Metro West Radio" / / WGAW-1340,
1400	IATIO TO	(TF	TAT:	Gardner, MA (TF).
	WKND		Windsor	- Noted with talk, Black syndicated talk (TF).
	WKNY		Kingston	- JSN Soft Adult Contemporary.
	WPHC		Waverly	- Religion.
	WADK	RI	Newport	- Talk and smooth jazz.
15/0	WFRL	lL	Freeport	- Talk//WROK.

1570 WNSH MA Bev 1580 WKKD IL Au	rora - Tejano Dave	ated talk (TF). Mexican, according to BN Suburban Trainmaster Hoffman, who supervises Chicago's busiest uter rail line (TF).
1580 WPGC MD Mo 1580 WWSJ MI St J 1580 WCTJ NC Car 1590 WETT MD Occ 1590 WSMN NH Na: 1590 KIRS NV Sur 1600 KYBC AZ Cot 1600 WOKB FL Wii 1600 KWOM MN Wa	orningside - Urban Johns - Talk a mp Lejeune - Religie ean City - All tal illa - Adult ishua - Still lin n Valley - News ittonwood - WW-I inter Garden - News	now//FM. nd Tejano (M). In Michigan?????(TF). on.

Thanks to MSJ we have a fine column this time. And thanks to you who supplied information about the location of radio facilities in Seattle! Unfortunately because of severe sickness in my family, the second half of the annual railfan trip is postponed until next year, when hopefully I can get to San Diego and Los Angeles, and later in the summer Seattle, Portland, and Vancouver before Ann, my wife, joins me for sighseeing in the Columbia River Gorge, Mt Rainier, and the Cascades.

Station

Tony Fitzherbert 356 Jackman Avenue Fairfield, CT 06430-1728

A special feature about a unique station



Bert Williams was a radio salesman for Pittsburgh's Doubleday - Hill Electric Company. With an avid interest in this as yet unproven communications means. Bert built, an experimental broadcast facility. licensed as 82AE. With his amateur radio license, he would frequently, on no set schedule, round up local performers, and go on the air. The tinny sounds of the 20-watt signal emitting from Doubleday's product, were designed to convince potential customers to purchase Doubleday Radios.

82AE was put on the air in 1919 for the purpose of demonstrating radios - a year before KDKA, America's first commercial station signed on the air, on November 2, 1920.

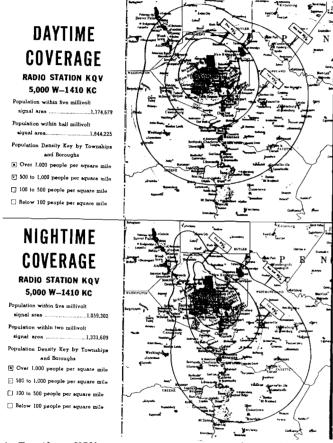
82AE became KQV on January 9, 1922, and remained non commercial for several years. The station regularly aired performances, much of it recorded by Pittsburgh area talent - and Doubleday continued to use its tiny station to - well - sell radios!! The first studio and transmitter were located in a corner of the ninth floor of the Doubleday Hill Building in downtown Pittsburgh, and KQV's antenna was a long wire strung out the window of the studio. KQV discouraged commercial announcements until 1925, as G. Brown Hill, a Doubleday Vice President, did not think that radio should be commercialized.

H. I. Brennan bought KOV in 1932, and moved its studios and offices to the 13th floor of the Chamber of Commerce Building at Seventh and Smithfield streets. The station affiliated with the Mutual Broadcasting Network, During its lifetime, KQV was owned by ABC and, for a while, by CBS. Listeners would enjoy the endeavors of the Lone Ranger, Straight Arrow, a lot of big band music, and many local music performances. KQV, like many major market stations, had its own solid audience. The station built studios and control rooms in the mid 1950's at sidewalk level, so that pedestrians could watch the staff at work producing local shows. This move really paid off in the disc jockey era of the mid 1950's.

During a period of ABC ownership - the station changed hands several times in its first 40 years in 1957, KQV's management boldly dumped network programming. It became "14K", Pittsburgh's first rock station, resplendent with jingles, Top 40 music, and urgent local news flashes broadcast from "KQVehicles", which traveled the Pittsburgh area in quest of breaking news. Management capitalized on the KQVehicles, using them for paid remote broadcasts. They were familiar sights at car dealerships, restaurants, rock concerts, and at events in the Civic Center. Personalities such as Gary Gears, Rod Roddy, Fred Winston (who later became a fixture in Chicago radio), and numerous other disc jockeys did a tour on KQV. For a year Jeff Christie DJ'ed on KQV. Today his vastly enlarged audience knows him as "Rush Limbaugh". When the music stopped, "Audio 14" - local and ABC news aired, often embellished by late breaking flashes from the KQVehicles.

14K listeners would pick up the KQV Hit Parade Top 40 Survey, complete with pictures of each of the "KQV Funloving Five" and the telephone number for the "Groovy QV Request Line". KQV quickly found itself to be the most listened to station in Pittsburgh.

Several other stations quickly formatted Top 40, but only the powerful KDKA - 1020 became a real competitor. WEEP - 1080, WIXY - 1360, and WZOM - 1590, now WPTW, with paid religion, tried Top 40, but failed to cut into KQV's ratings. The station's audience could - and crowds did congregate at the studio windows at ground level of the Chamber of Commerce Building, to watch their favorite DJ's at work, until 1975, when the studios were moved upstairs, in a cost reduction move.



During its Top 40 era, KQV ran non stop contests ranging from looking for a special license plate to Beatles giveaways. 14K was the "Beatles Headquarters" for Pittsburgh. When local DJ's took vacations, owner ABC piped in Dan Ingram and Cousin Bruce Morrow from flagship station WABC - 770. Monday night football originated over KQV - when Howard Cosell called the games, which aired on Tuesdays at 3:00am! Obviously rock preempted professional football here!

In 1975, the rock format died, killed by the proliferation of FM stations in Pittsburgh. A 24 hour all news format replaced it. The initial news programming was from NBC News Information Service. The format was soon refined to CBS News and extensive local coverage.

KQV-FM originally simulcast AM programming until the FCC mandated that AM and FM broadcast separate programming for at least twelve hours a day. Thus KQV-FM went into

automated "light pop" music from noon until midnight, from the Scheffer Automated System, a forerunner of the systems today which allow radio stations to run for days with no operator. ABC decided to program underground rock on KQV-FM, using the "Brother John" format, automated 24 hours a day with "Peace, Love, and Joy" as the slogan. The call was changed to WDVE, the logo was a dove, and the advertisement was a peace sign. From the "Brother John" format, WDVE evolved to rock music, mostly from California, with California DJ's. Today, WDVE airs album oriented rock.

In 1994, Duquesne Light and Power bought the Chamber of Commerce Building, so after more than 60 years in the same location, KQV moved to its present quarters, the 6th floor of "Center City Tower" at 650 Smithfield Street, in downtown Pittsburgh. Visitors to KQV's headquarters are impressed by a bright spacious four-studio complex, surrounded by offices, staffed by approximately 35 employees, including a large staff of reporters whose job is to cover local and regional news. One of two news editors is always on duty during the time that the station produces its news format. Two board operators on each shift anchor the news and run the controls - working in half hour shifts. KQV is all locally produced news (with CNN News on the top of each hour) from 5:00am to 7:00pm Monday through Saturday, and from 7:00am to 7:00pm on Sunday. Bruce Williams' syndicated show runs from 7:00pm to 11:00pm, and Westwood - I CNN Headline News is heard overnights. However, local reporters are on duty at all times to instantly put local breaking stories on the air and update the weather forecasts.

KQV operates around the clock on 1410 khz with 5000 watts of power and no scheduled silent periods. Its transmitter site straddles a hill in Ross Township approximately eight miles north northwest of the Golden Triangle, of downtown Pittsburgh. KQV's transmitter is a Fritz Bauer model, in service since 1972. The transmitter feeds five closely spaced in line Blaw Knox self-supporting towers, each 355 feet high. One tower is topped with a beacon to warn aircraft in the area. Three towers are used for the day signal, and the entire array is needed at night. KQV must protect both WING, Dayton, OH, and WPOP, Hartford, CT. The station has broadcast from this location since 1944.

KQV has the heritage of being one of the United States' oldest radio stations, going on the air a year before its rival, KDKA, commonly acclaimed to be the first radio station in the country. Too, the station is one of a few remaining with a three-letter call sign. KQV has become a major institution in the Pittsburgh area upon which tens of thousands of area residents depend for local news, weather, and information.

The editor thanks Steve Conti, KQV's Engineering and Production Manager for his help in the preparation of this Station Profile. Steve is a 30 year veteran at KQV, and has seen it go from rock to all news, and from its sidewalk studios to its beautiful quarters which it now occupies. Steve is responsible for maintaining KQV's complex transmitter plant which broadcasts one of the most directional AM radio signals in the country.

(continued from page four) 19 68 very low quiet-unsettled 20 67 8 very low quiet-active 21 66 12 very low quiet-unsettled 22 66 6 1 very low quiet-unsettled 23 67 very low quiet-unsettled 5 24 67 6 very low quiet 2 25 9 67 very low quiet-active 3 26 67 7 very low quiet-unsettled 27 67 very low quiet-unsettled 28 67 very low 4 2 quiet 29 66 9 very low quiet-unsettled 1 30 67 9 2 very low quiet-unsettled 68 10 5/31 2 very low quiet Z, Z z 2 68 3 very low quiet 1 3 69 4 2 very low auiet 69 4 very low quiet 4 1 very low quiet-unsettled 5 71 7 2 72 23 1 6 very low quiet-mis 73 4 1 very low quiet 7 8 70 2 very low quiet-unsettled 9 70 5 2 very low auiet

very low quiet-unsettled

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Logsheets -

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Bruce Elving's FM Atlas ...16th Edition



The world-famous guide which has served FM DX'ers for over 20 years is available from NRC Publications at the special price of \$18.00. NY orders, please add sales tax.

You know how every year anxious NRCers get their new copy of the NRC AM Log and look up their local stations and then grumble, "Look, that stupid Heinen blew it again. Can't he even get my locals' formats and networks right?" Nopel He can'tl Not without the help of NRCers throughout the USA and Canadal

Write or E-mail for your state's proofing list NOW. That way the up-to-date information will be in the 17th Edition of the NRC AM Log. Write Wayne Heinen, 4131 S. Andes Way, Aurora, CO 80013-3831 or unclog@filebank.com

IRCA Mexican Log, 3rd Edition

quiet

quiet

The 1994 edition of the IRCA Mexican Log lists all AM stations in Mexico by frequency, giving call letters, state, city, day power, night power, slogans, schedule in UTC/GMT, formats, networks, and notes. Stations that have changed frequency since 1990 are cross-referenced on the old frequency.

The call letter index gives call, frequency, city and state. The city index (listed by state, then city) gives frequency, call, day and night power. There is even a guide to the Spanish alphabet and numbers.

The log has been completely updated from the 1990 edition and carefully cross-checked by IRCA members in Mexico and the U.S. This will be an indispensible reference for anyone who hears Mexican radio stations.

The price, payable to IRCA in U.S. funds: IRCA/NRC Member: \$6 U.S./Canada/Mexico/seamail, \$7 rest of the Americas airmail, \$7.50 Europe/Asia airmail, \$8 Australia/New Zealand airmail. Non-Member: \$8 U.S./Canada/Mexico/seamail, \$9 rest of the Americas airmail, \$9.50 Europe/Asia airmail, \$10 Australia/New Zealand airmail.

Order from Phil Bytheway - IRCA Bookstore - 9705 Mary N.W. - Seattle, WA 98117-2334

Graveyard DX Totals

Bill Hale bill hale@micron.net 495 Creekview Drive Meridian, ID 83642-3241

Total stations logged on graveyard frequencies

Total Stations Heard on Each Graveyard Channel Date of Last Update: May 13, 1996

Date of L	Date of Last Update: May 13, 1996							
DXer and Location(s)	1230	1240	1340	1400	1450	1490	<u>Total</u>	
Stan Morss Boxford, MA	1230 84	$\frac{1240}{114}$	1340 101	1400 102	$\frac{1450}{108}$	98	607	
Charles Reh Leamington, ON Roy Millar Metro Seattle, WA	65 79	78 70	91 82	70 88	80	86	470	
Hank Holbrook Chery Chase MD*	28/3	64/2	79/4	53/1	83 68/5	61 53/9	463 345/24	
Hank Holbrook Chevy Chase, MD* Frank Wheeler Erie, PA	58	81	63	62	65	32	361	
Steve Francis Alcoa, TN	47	43	38	49	58	61	296	
Carl Dabelstein Omaha & Lincoln, NE;								
Overland Park, KS	45 50	51 44	54 45	50 33	55	31	286 258	
Don Lynch Various Locations, MA Don Trelford Various Locations, ON*	31/7	24/6	41/16	38/10	42 37/7	44 30/7	201/53	
Robert Kramer Chicago, IL	32	19	50	54	61	29	243	
Ernie Wesolowski Omaha, NE	41	49	43	45 42	49	16	243	
Phil Bytheway Seattle, WA Jeff Falconer Clinton, ON	37	38	48		44	34	243	
Shawn Avelrod Winning MB	35 41	36 16	40 38	44 48	43 47	35 38	233 228	
Shawn Axelrod Winnipeg, MB Russ Edmunds Various NJ & Eastern PA	27	37	32	40	38	49	224	
Joe Kureth Uniontown, MD	29	35	40	36	36	37	206	
Dave Whatmough Hamilton, ON	33	27	39	31	39	41	210	
Andy Rugg Montreal, PQ Karl Jeter Suburban Atlanta, GA	30 20	31	32	24	25	34	176	
Don Voorhies Oswego, NY	31	31 20	20 29	29 26	29 25	41 38	170 169	
Bruce Reynolds Warrensburg, MO	31	32	28	24	26	27	168	
Ron Musco Hartford, CT	21	25	21	25 27	27	24	143	
John Wilkins Wheat Ridge, CO John Wilkins West Des Moines, IA	19	21	19	27	26	28	140	
John Wilkins West Des Moines, IA	23 23	25 26	26 20	22 19	16	21	133	
Elliot Straus New Jersey Dave Fox Reading, PA	15	24	16	23	22 24	21 27	131 129	
Esa Hänninen Various Locations, Finland		18	20	23	16	35	125	
Gary Atkins Louisville, KY Frank Merrill Various Locations Craig Barnes Wheat Hidge, CO	21	8	29	21	18	26	123	
Frank Merrill Various Locations	16	18	17	20	26	26	123	
Craig Barnes Wheat Ridge, CO	19 17	13 14	27 20	18 24	23 18	22 24	122 117	
Rick'Dau Iowa City, IA Dave Schmidt New Castle, DE	17	24	21	16	12	23	113	
Marc DeLorenzo Hvannis, MA	20	19	13	16	23	20	111	
Harry Hayes Gouldsboro, PA Niel Wolfish Toronto, ON	15	21	17	13	21	19	106	
Niel Wolfish Toronto, ON	10	18	17	11	20	30	106	
John Malicky Pittsburgh, PA Mike Sanburn Bellflower, CA	7 14	15 16	16 18	14 21	24 18	27 15	103 102	
Ron Bailey Shelby, NC	16	22	18	12	14	19	101	
Ron Bailey Shelby, NC Tim Hall Chula Vista, CA	18	14	19	18	16	13	98	
Nancy Hardy Abedeen, WA	16	20	13	11	13	14	87	
Joe Kureth Southern Pines, NC Niel Wolfish Winnipeg, MB	13 11	12 2	13 10	13 22	17 19	12 15	80 79	
Mike Jeziorski Brookfield, IL	13	15	12	16	11	11	78	
Joe Kureth Southern Pines, NC	13	12	13	ĨĬ	17	12	78	
Jim Renfrew Rochester, NY	16	10	10	12	12	13	73	
Mike Hardester Various Locations	12	11	11	11	13	12	70	
Bill Hale WI, IL, ID, FL, TX, NY, CA Jeff Tynan Parker, CO	13 11	12 11	9 6	10 14	11 16	15 10	70 68	
Bruce Reynolds San Jose, CA	13	10	17	10	6	12	68	
Rick Dau Oakland, IA	8	10	9	13	14	11	65	
Mike Jeziorski Detroit, MI	9	16	13	2	9	15	64	
Fred Nordquist Clay, NY	12 14	15	6	8	14	9	64	
Dave Braun Falls Church, VA Wayne Heinen Colorado Springs, CO	8	16 6	6 19	11 18	4	11 8	62 62	
Olle Alm Stockholm, Härnosand, Abisko		v	17	10	3	U	02	
Karesuando & Göteborg, Sweden Craig Rathbone Denver, CO	5	7	5 7	19	12	13	61	
Craig Rathbone Denver, CO	14	10	7	11	8	10	60	
Pete Taylor Worldwide	12 12	8	8 9	19 11	6 10	. 5 11	58	
Jim Boehm San Antonio, TX Brett Hanavan Chula Vista, CA	13	3	10	11	14	11 6	58 57	
Brett Hanavan Chula Vista, CA Ken Onyschuk Steger, IL Mike Knitter Cambridge, WI	9	5 3 7 9	7 6	îô	12	ğ	54	
Mike Knitter Cambridge, WI	9 8	9	6	8	11	10	53	
Les Carpenter El Toro, CA	12	6	8 7	8 5	10	6 8	46	
Russ Edmunds Syracuse, NY	12	/	/	3	6	ø	46	

44							
Wayne Heinen Orchard Park, NY	13 5	10 8	8 8	2 8	6 8 6 9 7 8 6	5 5	44 42
Paul Mount Teaneck, NJ	ິງ	12	າລິ	10	0	9	42
Morris Sorensen Scarborough, ON	9		23 5 3	7	0	4	42 37
James Dale Rosemount, MN		6	2		0	4 3 7	37
Neal Perdue Madison, AL	8		Š	7	7	2	37
Stephen Ponder Bossier City, LA	6	2	6	6	7		35
Dave Braun Dover, DE	3	7	6	4	8	6	34
Wayne Heinen Aurora, CO	6	6	4	6	6	6	34
Erić McIntosh, Invercargill, NZ	U	3	1	15	7	7	33 33
George Santulli Cranford, MA J.W. Bay, Jr. Drexel Hill, PA	_ = =	-	33	-	-	-	33
J.W. Bay, Jr. Drexel Hill, PA	32	0	Q	Ō	0 3	0	32
Eric Bueneman Hazlewood, MO	8	7	4	5	3	4	31
Morris Sorensen Leaf Rapids &							
God's Narrows, MB	5	6	5	7	4	4	31
Jack Woods Waldport, OR	4 5	3	7	6	3	8 8	31
Mike Knitter Rapid City, SD	5	3	3	4	6	8	29
Morris Sorensen Port Carling, ON	2	5	3 5 3	6	4	6	29
Richard Turner North Dartmouth, MA	7	4	3	4	6	4	28
Don Trelford Runaway Bay, Jamaica	3	5			6	4 5 2 5 5 2 5	$\bar{24}$
Chris Cuomo Verona, PA	2	4	5	3	5	2	21
Paul Mount, Nelsonville, OH	4	4	4 5 2 2 2	3	3	5	21
Paul Swearingen Moran, KS	5	3	$\bar{2}$	2	2	5	Ī9
Denis Picard Trois-Rivières-Ouest, PO	Ž	š	$\bar{2}$	5	3	ž	17
Paul Swearingen Moran, KS Denis Picard Trois-Rivières-Ouest, PQ Les Carpenter Sandy, UT	2	ī	ō	ž	5	5	15
Morris Sorensen Kemptville, ON	2	ī	2	1 3 2 5 2	4 6 6 5 3 2 3 5 3 1 2 2	2	ĨĬ
Shawn Axelrod Orlando, FL	1	Ž	ī	4	ĭ	1	10
Doug Smith, Madison, WI	2	ī	3	ź	ō	ñ	îŏ
Doug Smith Madison, WI Perry Crabill Winchester, VA	2	õ	ĭ	ī	2	ž	iŏ
Shawn Axelrod Edmonton, AB	ī	ō	î	î	ī	ī	5
Don Trelford Runaway Bay, JMC	î	ĭ	î	î	i	ż	7
Dale Park Irvine, CA	i	i	î	î	i	ń	1
Dale Park Various Locations, HI	ń	1	ń	1	1	ň	2
Shawn Axelrod Swan River, MB	ň	2	ň	Ų	Ÿ	ň	3
JIMYII INCIIOU JWAII IUVEI, IVID	U		U	U	U	U	

^{*} Totals are for Before/ After 1960

Carrier Current Stations - Update

by Christopher R. Cuomo

I've obtained numerous corrections to the list of carrier current stations that appeared in issue 26. I plan on doing at least one more update to the list sometime in the autumn when many of these stations will have returned to the air. By then I hope to be on-line as well.

It appears that numerous stations are switching frequencies from the lower end of the AM band to the lower end of the expanded band, with 1610 and 1620 kHz in particular becoming very popular. While frequencies like 540 and 640 kHz tend to be clear during the day, they become noisy with far more powerful stations at night. In the past, split frequencies, such as 535 kHz, were popular with carrier current stations, plus many stations used wildly unstable home-brew transmitters anyway. With the popularity of digitally tuned receivers in the 1980's, split frequencies became unfeasible.

While surfing the 'net I discovered a number of stations that were not included in the original list, as well as carrier current AM frequencies for stations that were listed as cable FM stations. If you have 'net access, try searching the home pages of the schools listed. Usually their stations' home pages can be linked from there. I found much of the following information by checking up on stations this way.

The Broadcasting Yearbook used to run a list of c-c stations. I would like to get a copy of the final list that they printed. My 1983 edition does not contain any such list, so it had to have been discontinued before then. Also, College Music Journal, a sort-of Billboard Magazine for college radio, is a good source of information on c-c stations. If you get CMJ, please send in any information you think would be useful.

Some answers to questions I've received:

- Q.: Can c-c stations be operated only by schools?
- A.: No, but schools are certainly the most common users of the technology. In the U.S., anyone can operate a c-c station, provided they keep it legal. There have been, and probably still are, private individuals who operate these stations. The April 1985 issue of *Popular Communications* ran an article on just such a station, WQNR in Selden, NY, which, judging by the studio photo, had a very impressive set up. Information that I have received indicates that WQNR is no longer in operation.

O: Do these types of stations exist in other countries?

A.: Yes. In Canada, the precedent that established the legality of c-c broadcasting was set in 1971 by Radio Rochdale, Rochdale Coll., Toronto. The station was found legal by the courts after it was shut down by the CRTC. (See *DX News* August 28, 1971 pg. 28) Ironically, there seems to be no station today, c-c or otherwise, at Rochdale. In the U.K., c-c stations must acquire a special broadcasting license.

ADD THESE STATIONS:

KPLR	620	Port Loma Nazarene College - San Diego, CA	
KSDT	540	U. Of California at SanDiego - La Jolla, CA	
KLBC	1700	Long Beach City College, CA 1	=
WOWL	1610	Florida Atlantic U Boca Raton, FL	T
WJUD	640	Judson Coll Elgin, IL 2	•
KFHS	600	Fort Hays State U Hays, KS	
WMUC	650	U. of Maryland - College Park, MD 3 1515 W. MAIN Fermington, New Mexico 87	401
WCKS	1610	Grand Valley State U Allendale, MI	D?
WRLC	1110	Livingston Coll Newark, NJ	W
WRNU	610	Rutgers URobeson Campus - Newark, NJ	(Tr
106VIC	600	Ithaca College, NY 4	7
WCCR	640	City Coll. of New York - Harlem, NY	
WSTK	530	St. Thomas Aquinas Coll Sparkill, NY	
WRCM	850	Manhattan Coll., Kings Point, NY	
WRNP	640	State U. of NY - New Paltz, NY	
WFRS	530	Philadelphia College of Textiles and Science - Philadelphia, PA	
WONU	640	Ohio Northern U Ada, OH	
WVYF	650	Cabrini Coll Radnor, PA	
CJSF	940	Simon Fraser U Burnaby, BC	

Notes:

¹ This station was listed on the database I downloaded as a cable FM only, but checking the station's home page revealed a carrier current AM station as well.

² Based on information I have this station airs religious music and programming. It appears that the author of the original database excluded those few stations that did not program alternative music.

3 This is a carrier current relay of a licensed FM station, occasionally originating its own programming.

⁴ This station once called itself "WVIC." When the licensed WVIC in East Lansing, MI complained, this cable FM station switched to this identifier. The carrier current relay transmitter was added lately. You may have noticed that many of the stations on the list are using call signs already in use at licensed stations, who perhaps do not care as much as WVIC did, that their call signs are being appropriated by unlicensed stations.

DELETE THESE STATIONS:

WKGC	1480	Gulf Coast Comm. College - Panama City, FL
WJMD	650	Kalamazoo College, MI
WHRC	640	Haverford College PA

WKGC is actually a licensed and legal AM broadcast station that I inadvertently included in with the carrier current stations. WJMD has been replaced by a cable FM station.

FREOUENCY CHANGES:

<u>Station</u>	<u>Was</u>	<u>Now</u>
KASR- U. of Arizona	680	1260
KBBK - Biola U La Mirada, CA	830	530
WMCR - Western Md. Coll Westminster, MD	640	1620
WCIR - N.Y. Inst. of Tech Central Islip, NY	640	1610
WCPR - Stevens Inst. Of Tech Hoboken, NJ	740	530
WRUB - St. U. of N.Y Buffalo, NY	640	770
WCCB - Clarion U. of Pennsylvania	640	1610
WCUR - West Chester U., PA	640	680
WUPJ - U. of Pittsburgh at Johnstown, PA	670	1610
WGMU - George Mason U., Fairfax, VA	560	1370

⁻ Unreported

And last but not least, a smidgen of information on the unknown identifier of the 530 station at Atlantic City H.S.. The '96 M Street Radio Directory lists a construction permit for a new FM station owned by the Atlantic City School Board under the call sign WAJM. This could be what the AM is currently calling itself. In all likelihood, the c-c station will be replaced by the licensed station, so this might be your last chance to hear them.

Area Code Update by Christopher Cuomo

Courtesy of NRC member, and AT&T employee MIKE GASTON of Somerville, N.J., we have more information on the many changes in area codes. Changing an area code can be confusing to phone customers, as anyone who has gone through this can tell you. Expect to hear PSAs regarding the changes on radio stations in affected areas. The information presented here an in the original article in issue 23 should keep the forthcoming AM Radio Log accurate.

(= change is already in effect

Needham Hts. P.O. Box 848 BOSTON, MA 02194

CALIFORNIA:

310 area code: Effective January 25, 1997 the cities of Alamitos, Downey, La Habra, Lakewood, Long Beach, Norwalk, Paramount, Pico Rivera, and Whittier will become the new 562 area code. All other cities will retain 310. A previous plan to use 562 only for cellular phones, pagers, and FAX lines has been scrapped.

619 area code: Effective March 22, 1997 the cities in this area code outside of the San Diego area will become the new 760 area code. The 760 area will include Barstow, Bishop, El Centro,

Indio, Palm Springs, Victorville, and Oceanside.

818 area code: During 1997 this area code will be split with part becoming the new 626 area code. No further details available at this point.

FLORIDA:

(407/561 area code split: The new 561 area includes the following cities: Belle Glade, Boca Raton, Boynton Beach, Fort Pierce, Indiantown, Jupiter, Port St. Lucie, Stuart, Vero Beach, and West Palm Beach.

ILLINOIS:

312 area code (City of Chicago): Effective October 12, 1996 all areas of Chicago except downtown (where most of the larger stations are) will switch to area code 773.

630 area code: This change, detailed in the previous article in Issue 24, is correct, but will not occur until August 3, 1996. The new 1996 M Street Radio Directory erroneously lists all Chicago suburbs under the 847 area code.

MINNESOTA:

(612/320 area code split All cities in the 612 area except for the Twin Cities metro area now use area code 320. The 320 area includes St. Cloud, Willmar, and Montevideo.

OHIO:

(330 area code: Delete Ashtabula from the cities listed in Issue 24. All cities along the shore of Lake Ohio east of Cleveland will retain area code 216.

513 area code: Effective September 28, 1996 part of the 513 area will become the new 937 area code. Most likely Metro Cincinnati will retain 513 while all other cities will convert. Could any S.E. Ohio members confirm this?

PENNSYLVANIA:

412 area code: According to a recent front page article in the Pittsburgh Post-Gazette, the 412 area will be split, probably with all cities except Pittsburgh switching to a new and as yet unspecified new code sometime around January 1, 1997.

TEXAS:

214 area code: At a later date, probably during early '97 this area will be divided to form the new 972 area code. Other details are unavailable at this time. A plan to use 972 only for cellular phones, pagers, and FAX lines has been scrapped.

VIRGINIA.

804 area code: Effective July 1, 1996 the Tidewater area including Williamsburg will switch to area code 757.

THE CARIBBEAN:

809 area code: In all cases, the entire country will switch to the code listed: (Antigua & Barbuda - 268, Bahamas - 242 (Oct. 1, '96), Barbados - 246 (July 1, '96), Montserrat - 664 (July 1, '96), (Puerto Rico - 787, St. Lucia - 758 (July 1, '96)

Radio TV Museums in North America by Harold Sellers

compiled by Harold Sellers VA3DXO, 101 Rutledge Avenue, Newmarket, Ontario, L3Y 5T5, Canada.

<73737.3453@compuserve.com> (Harold is managing editor of the Ontario DX Association's DX Ontario.)

CANADA

Brome County Historical Museum and Archives, Knowlton, Quebec: Reginald Fessenden plaque and exhibit; vintage radio exhibit.

Canadian Forces Communications and Electronics Museum, Vimy Barracks, Canadian Forces Base Kingston, Ontario. (613)541-5395. Open weekends only mid-May to Labour Day weekend September, weekdays during Winter, 8:00 am to 4:00 pm.

CBC Museum, located in Canadian Broadcast Centre, 250 Front Street West, Toronto, Ontario. Open Monday-Friday 10 am to 4

pm. Admission is free.

Hammond Museum of Radio, 95 Curtis Drive, Guelph, Ontario. Owned and operated by Fred Hammond VE3HC. Open by appointment. Contact Fred at (519)822-8323 home, (519)822-2960 work or write 81 College Ave. West, Guelph, Ontario NIG 152. Two amateur radio stations equipped with Collins gear. Displays of radios, tubes and books, all in excellent condition. [story in September 1995 QST.]

Manitoba Amateur Radio Museum, on the grounds of Manitoba Agricultural Museum, Austin, Manitoba. Daily May (Victoria Day) thru October 1, 9 AM to 5 PM. Contact Dave Snydal VE4XN, Secretary/Treasurer/Curator, 25 Queens Cres., Brandon, Manitoba R7B 1G1. Tel. (204)637-2354.

Moose Jaw Western Development Museum, Moose Jaw, Saskatchewan: As part of the British Commonwealth Air Training Plan and World War II exhibit, the Moose Jaw Amateur Radio Club have constructed a WW II communications equipment display.

Museum of Science & Technology, Ottawa, Ontario. Communications exhibit covers naval, air and terrestrial communications. Includes VE3JW amateur radio station.

MZTV Museum, 151 John St., Toronto, Ontario M5V 2T2. (416)599-7339. Exhibits on the history of Canadian TV manufacturing and broadcasting.

Queens County Museum, Liverpool, Queens County, Nova Scotia On display: operating early-day amateur station

UNITED STATES

Alabama Historical Radio Museum, Don Kresge Memorial Museum, located in the Fairfield Civic Center, 6509 E.J. Oliver Blvd., Fairfield, Alabama. Tel. (205)631-6680. More than 100 radios from 1900s to 1950s, plus history and memorabilia.

American Museum of the Moving Image, 35th Avenue at 36th Street, Astoria, NY 11106.

Telephone (718)784-4520.

American Radio Relay League Headquarters, 225 Main St., Newington, Connecticut 06111, tel. (203)594-0200. Mon-Fri 9 AM to 5 PM, tours on the hour. Amateur radio history exhibits, early equipment, W1AW and W1INF amateur stations.

Antique Wireless Association (AWA)
Electronic Communications Museum, 59
Main St., Village Green, Routes 5 and 20,
East Bloomfield, New York. Take Exit 44
from New York Thruway south to
Canandaigua. 10 miles west on Routes 5
and 20 to East Bloomfield. Free admission,
donations appreciated. May 1-October 31:
Sunday 2-5 PM; June 1-August 31:
Saturday 2-4 PM, Wednesday 7-9 PM.
Contact curator Bruce Kelley W2ICE
(716)657-7489 or museum at (716)657-6260.

Atwater Kent Museum, 15 South 7th Street (between Market and Chestnut Streets), Philadelphia, PA. Tuesday-Saturday 10 AM-4 PM. \$2 admission. Info (215)922-3031.

Audrey Lewis Museum, KGKL-AM/FM, 1301 South Bryant, San Angelo, TX. Free admission. Located at studio of radio station. Named for a former KGKL General Manager. Contains a very old working studio and other nostalgia. Telephone (915)655-7161.

Baltimore Historical Electronics Museum, 920 Elkridge Landing Rd., Baltimore, MD, tel. (410)765-2345. Weekdays 9 AM-3 PM, Saturday 10 AM-2 PM. Displays primarily military electronics manufactured by Westinghouse.

Baltimore Museum of Industry, 1415 Key Highway, Baltimore, Maryland. On display: items belonging to Golden Radio Buffs of Maryland; microphones, memorabilia, recordings, films

Bellingham Antique Radio Museum, 1315 Railroad Ave., Bellingham, Washington 98225; tel. (206)734-4168. Jonathan Winter, Curator. Wed-Sat 11:30 AM-5 PM or by appointment. Free admission. More than 1000 items, most pre-1930. Bighorn Radio Club Museum, Colorado. P.O. Box 229, Byers, CO 80103, tel. (303)822-9868. Amateur radio exhibit. Planning to relocate to Genoa, Colorado in the future (as per Feb. 1995 letter).

Bob Paquette's Microphone Museum, 107 E. National Ave., Milwaukee, WI 53204; tel. (414)645-1600. Weekdays 7 AM-5:30 PM. More than 1000 vintage microphones in Bob's collection as well as pre-1940 radios. Bob operates his business, Select Sound Services, from same location.

Cypress Gardens, Florida. Vintage radio display.

Don Wallace Radio Communications Museum, Rancho Palos Verdes, California. [Article in 6/91 QST] Contact: Joe Locascio K5KT, 29703 Whitley Collins, Rancho Palos Verdes, CA 90274

E.H. Danner Museum of Telephony, Officer's Quarters No. 4, Old Fort Concho, 213 East Avenue D, San Angelo, TX 76903-7099. (915)653-0756. Open Tues-Sat 10 am to 5 pm, Sun 1pm to 5 pm.

Foothill Electronics Museum, Foothill College, 12345 El Monte Road, Los Altos Hills, CA 94022. Telephone (415)960-4383.

Ford Museum, Dearborn, Michigan.

Franklin Institute Science Museum, 20th Street and Benjamin Franklin Parkway, Philadelphia, PA. Includes an exhibit dedicated to Marconi.

George Washington University, Washington, DC 20052. Telephone (202)994-6040.

Historical Electronics Museum, next to Baltimore-Washington International Airport, 1745 West Nursery Road at Elkridge Landing Road, Linthicum, Maryland. Weekdays 9 AM-3 PM (except holidays), 1st Sat of each month 10 AM-2 PM. Mailing address: P.O. Box 746, M.S. 4015, Baltimore, MD 21203. Tel. (410)765-0240. Displays military and civilian electronics, radio communications developments.

Indiana State Museum, Indianapolis.

Permanent display of early days of AM radio, including an early studio from WBAA in West Lafayette.

Jasper's Antique Radio Museum, 2022 Cherokee, St. Louis, MO, tel. (314)421-8313. Mon-Sat 9 AM-5 PM. Collection of over 6000 vintage broadcast and ham radios. Also do repairs.

Library of Congress, Motion Pictures, Broadcast and Recorded Sound Division, 101 Independence Avenue SE, Washington, DC 20540. Telephone (202)707-5000.

Marconi State Historical Park, 18500 State Rt 1, Marshall, CA 94940, tel. (415)663-9020. Several Marconi buildings and display of pictures. A future exhibit is planned.

Muchow's Historical Radio Museum, 107 Center St., Elgin, IL 60120, tel. (708)742-0183. Houses thousands of items, but open only one day per year, in conjunction with a large swapmeet. Was open August 3rd in 1995.

Museum of Broadcast Communications, Chicago Cultural Center, Michigan Avenue and Washington Street, Chicago, IL 60602; tel (312)629-6000. Mon-Sat 10 AM-4:30 PM, Sun Noon-5 PM. Donations for admission. Info (312)629-6000. Archives American radio and television through memorabilia and a collection of over 60,000 programs and commercials. Includes Radio Hall of Flame.

Museum of Radio and Technology (Antique Radio Club of America), 1640 Florence Ave., Huntington, WV; tel. (304)525-8890. Administrator: Dale Parsons. Fri & Sat 10 AM-4 PM, Sun Noon-4 PM. Free admissions.

Museum of Television and Radio, Beverly Hills, California - West Coast building of the following.

Museum of Television and Radio, 25 West 52nd St., New York, NY 10019; tel. (212)621-6600. Tues-Sun Noon-6 PM. Admission \$6.

National Archives, Constitution Avenue between 7th and 9th Streets, NW, Washington, DC 20408. Telephone (202)523-3000.

National Association of Broadcasters, Broadcast Pioneers Library, 1771 N Street NW, Washington, DC.

National Jewish Archives of Broadcasting, Jewish Museum, 1109 5th Avenue, New York, NY 10128. Telephone (212)860-1887.

National Museum of American History, 14th Street and Constitution Ave., Washington. Information Age Exhibit contains radios, TVs, etc.

National Museum of Communications, Irving, Texas. Contact Bill Bragg KA5PIP, 4 Dallas Communications Complex, 6305 West O'Connor, Suite 123, Irving, TX 75039, tel. 214-556-1234. Open Tues-Sun 10 am - 4 pm.

New England Wireless and Steam Museum, 697 Tillinghast Rd., East Greenwich, RI 02818; tel. (401)884-1710. Administrator: Robert Merriam. By appointment only; groups encouraged. Items from 1890 thru 1940s.

Nikola Tesla Museum, 2220 E. Bijou, Colorado Springs, CO 80909; tel. (719)475-0918. Mon-Fri 10 AM-4 PM, Sat 11 AM-4 PM. Small exhibit. Tours of Laboratory given Saturdays at 2 PM. Pavek Wireless Museum, 3515 Raleigh Ave., St. Louis Park, Minnesota 55416 (near Minneapolis). Telephone (612)926-8198. Administrator: Stephen Raymer. Tues-Fri 10 AM to 6 PM, Sat 9 AM to 5 PM, closed Sun/Mon and holidays. 12,000 sq.ft. space of radio, thousands of items, broadcasting and audio archives. Shares building with Minnesota Broadcasters Association.

Puget Sound Antique Radio Association Museum, Shoreline Historical Museum, North 175th Street, one block west of Aurora Avenue (1 mile west of Interstate 5, Exit 176), Seattle. Tel. (206)542-7111. Tues-Sat 10 AM-4 PM. Large permanent display of antique radios and related items. PSARA address is P.O. Box 125, Snohomish, WA 98291-0125.

UCLA Academy of Television Arts and Science Archives, 405 Hilgarde Ave., Los Angeles, CA 90024. Telephone (213)825-3101.

University of Wisconsin - Madison, Center for Film and Theatre Research, 750 University Avenue, Madison, WI 53706. Telephone (608)262-3961.

US Army Communications-Electronics Museum, exit 105 on the Garden State Parkway, Bldg 275, Kaplan Hall, Ft Monmouth, Red Bank, NJ 07703; tel (908)532-9000. Administrator: Mindy Rosewitz. Mon-Fri Noon-4 PM. Radios, radar and related items from early 1900s thru 1980s.

Vanderbilt University, West End Avenue, Nashville, TN 37212. Telephone (615)322-2561.

Western Heritage Museum, 801 S 10th St., Omaha, Nebraska 68108; tel (402)444-5071. Permanent display of amateur radio history. Open year round, Tues-Sat 10 AM-5 PM, Sun 1-5 PM. Curator Leo Meyerson W0GFQ (402)392-1708 May-Nov, (619)321-1138 Nov-May.

Western Union Collection, Division of Electricity and Modern Physics, National Museum of American History, Smithsonian Institution, 14th and Constitution Ave., Washington, DC 20560; tel (202)357-3270. Mon-Fri 10 AM-5 PM except Wed Noon-5 PM.

Ye Olde Transmitting Tube Museum, 150 Tanbark Lane, Crescent City, CA 95531; tel (707)464-6470. Administrator: Al Jones, K6DIA. By appointment only. More than 4000 tubes.

NOTES: See excellent article on U.S. museums and exhibits in September 1995 QST, page 81, written by Kirk Kleinschmidt, NTOZ, 1010 Grove St., Little Falls, MN 56345, e-mail: kirk@uslink.net.

Also thanks to John H. Bryant.

AM

by John Parker, K40AC

Life was simple then, always bright and fresh, always sun-bathed. Every day was a new experience, usually involving a new car or a new girl. Or an old girl in a new light, And in a small south Georgia town, there wasn't a lot to do, but we didn't know that. We were busy constantly and never bored. Cruisin' was fast developing into an art form. The cars might range from your daddy's old Ford to somebody's new '57 Chevy Convertible, always in that white and redorange combo that was so mod. We spent class time planning what to do after school or that weekend. With any luck at all, we'd wrangle a trip over to the beach at St. Simons or Fernandina. After all, it was only 60 miles or so. Trouble was, your parents wouldn't let you go without them. Too far to be away from home and proper supervision. Still that wasn't a bad compromise. Easy to get away once you got on the sand.

The constant sound track of this entire late '50's scene was always the radio. No kid got

in any car without turning on the radio. Find out what's going on. Every town had at least one station or one jock who was The Source Of Information. The local station was all there was. And AM was king. FM was almost nonexistent except in big cities, then only for classical and opera stuff. Or just duping another local AM station. FM Stereo was still being argued by techies and regulators. At night, as the sky darkened, you could begin to pick up signals of the big war horse AM stations in the north. And often a favorite local AMer had to sign off at sundown, just when things were getting good. So date night often meant tuning in those big clear channel stations.

WLS in Chicago had Dick Biondi doing his crazy antics in between hammering out the Top 40 hits of the day. WTIX in New Orleans sent a strong but wavering signal into our area later on with a touch of echo chamber just to be cool. For the blues-inclined, Big Hugh Baby

and John R held forth on WLAC in Nashville sponsored by such questionable folk as KY Petroleum Jelly "for all yo' slippin' and slidin'". Country was required listening for all-night truck drivers, and WCKY in Cincinnati with "yore old friend Wayne Rainy" kicked off a night of cryin' lovin' and leavin' with the Steel Guitar Rag riding those 50,000 watts on 1530.

A good local station was to be prized greater than riches. Small towns didn't need much. WAYX in Waycross only ran 250 watts, but it covered the city limits pretty well. In the late '50s, they realized their neighbor across town, WACL with its regional channel 5000 watts was blowing them away. Just louder and clearer. So WAYX, AM 1230, booted Mutual News, block programming and musty sounding announcers and hired a bunch of kids to do radio. They bought a format called Johnny Reb Radio, complete with a rebel yell at every opportunity and nothing but serious rock and roll and R&B. Emphasis was heavy on 20 or so favorite hits per week that no one ever tired of. Night time was request time, and since everyone in a small town know everybody, we all listened to see who was seeing who now. Or if you just wanted to see for yourself, go to the station. WAYX was a '30's modern white marble building built when big studios were a must and located out in a field adjacent to an unnecessarily tall tower. Right up to sign-off at midnight, you could walk through the white columns at the front door, go into the studio and talk to the DJ (be quiet when the ON AIR light is on).

Going from town to town in South Georgia meant hunting around for the AM Station Of Choice where all the kids listened. Brunswick gave us WMOG doing Top 40 but not as good as Johnny Reb. Fernandina Beach was just inside Florida, and the Jacksonville stations were easy to pick up. Required listening was WZRO's 1 kw on 1010 in "Zorroland" (can you do whist-whist-whist?) with another bunch of hip kids doing all uptempo rock and roll like Buddy Holly's "Maybe Baby" or Buddy Knox's "Somebody Touched Me In The Dark Last Night'. And of course, Elvis was everywhere. Guys generally considered him a girl's idol at first, but just in case, they all did the sideburns and the turned-up collars. Mid '50s, WIVY, the Music Station, was doing Hit Parade sounds, but soon big WPDQ at 600 and 5000 watts was crushing 'em all with the Pepsi Musical Sunday playing the top 40 from bottom to top. Jack Hayward was the living legend of the moment.

By the late '50's the stage was set for something brash and big to one-up everyone. It took an entrepreneur like Bill Brennan from Montgomery to hatch the plan. His results

with WBAM, The Big Bam, a southeast-wide country daytime station on 740 AM, ID'ed with a cannon firing, were spectacular. Why not try something similar in a coastal environment? Why not indeed! Channels were as hard to get as now. But Mr. Bill seemed to have friends at the FCC, or at least a very persuasive story.

Suddenly one sunny day, 690 AM came alive with a 25000 watt signal from "Radio Country Club" near Jacksonville, just near enough to the coast to be fully readable all day from Wilmington NC to Cape Canaveral. And "The Big Ape" (WAPE) came complete with an obviously gigantic monkey looking for trouble that sounded his presence every half hour. The DJ's were the required bunch of kids playing the hottest rock and roll. Usually being the first to introduce a record in the region, often running exclusive records they had released on their own record label. Steady, hard hitting, and on the air everywhere. And required listening at the beaches at high volume, usually from your car radio, boom boxes still being two decades away. Skip and Flip's "Cherry Pie", The Crests' tick-tock rhythm of "Step By Step", Bobby Darin's "Dream Lover" and "Beyond The Sea".

The dominant large-market Jacksonville stations reacted by trying all sorts of programming, but the Ape was a steady number one in that market. Not much in the way of production or programming, little in the way of fast talking cutesy DJs, just play the music, intro the songs, do the weather and headlines, and keep it moving. Never let the VU meter on the panel drop below about 80%. No dead air. Heavy audio all the time with all kinds of compression and expansion.

A visit was worth a thousand words. Being a radio guy hooked into all kinds of transmission interests, I took the long journey (over an hour from my new place in east Jacksonville) across town, down US 17 past the Naval Air Station, through Orange Park and finally to the Radio Country Club. And it was all that and more. Late '50's modern styling, very open front with all glass, scalloped roof, swimming pool running from the parking area into the building lobby. Palm trees all around. And way down the hill near the river was a single tower almost invisible knifing up into the horizon. 1 don't even remember that it was painted, but then, that's required. It was all neat, but for the sound and fury, I expected more.

The station was really just a shell since management and sales offices were in Jacksonville. This place was strictly for show. One control room, no "studio" in the WAYX style. The control board was raised and

vertical so it wasn't exactly comfortable to work it sitting or standing either. I saw my first cartridge machine, now common to the point of being passé with all the digital equipment that's out. Small town radio, in fact every town radio up to that point, was using reel-to-reel tapes or record disks to do commercials and jingles. ALL music was on records; here it was ALL on 45's. The place was completely open, doors blocked open to let in the outside air. The in/out pool provided a handy lobby entrance for radio burglars, although the inside rooms were all locked at night. Kept losing chairs and lobby mikes.

The big 25000 watt transmitter was all home-made, as was just about everything else in the station. A Doherty amplifier, I was told. The overmodulation indicator lamp was on all the time with the word "TILT" written behind the glass. Cute. It WAS kind of a pinball operation.

But this potboiler was absolutely doing its job. It had the audience: The big signal never faded for miles, and the Big Ape became a fixture for travelers driving through the area.

Stories of the Ape go with the legend. Frankie Ford's "Sea Cruise" opened with harbor sounds suddenly pierced by a loud ship's horn. The horn pushed an already stressed modulation system (TILT TILT) into overload, sucking maximum power load from the barely adequate REA electric lines serving Orange Park as the Ape gave the horn a 25000 watt boast. The story goes that, things being primitive in those days, including both the station and the power grid, all lights in Orange Park would dim when the horn sounded. Locals swore that you could see flickering of the lights in town while the "Chunky Monkey" was pounding out the old time Rock and Roll. Literally on the air everywhere.

In the late 50s, another phenomenon hit the ultra competitive radio market: Phone-in contests. First caller through wins a record. Or some such pittance. Didn't matter. Everybody would try. Probably because their name would get mentioned on the air. While the Ape identified itself as being in Jacksonville, the nearest sizable locality, it was in fact south of Orange Park in the boondocks. Telephone service in the boondocks in the '50s was adequate, but not excessively so. A little town like Orange Park might have 30 2-way circuits connecting the entire town to the world. Often when the disk jockey would announce a contest, the kids would lock up all of the Orange Park circuits just trying to be first. Not to mention all the rest of the Jax metro central offices trying to find a spare Orange park circuit. When the Big Ape official refused to stop the contests, Ma Bell played her trump card and pulled the fuses on COngress 4-9555. Within a very short time, the Ape starting running contests with a newly-purchased Jacksonville main number with oodles of spare circuits; life in Orange Park returned to normal ...at least for telephone service.

Meanwhile back in the small towns, the local stations found that competition with the Big Ape was tough going. The Ape had its own playlist of records, and kids demanded that these be played on the local station too. Sometimes they were not even available. The Ape disappeared at night to the South Georgia market, so stations with night operations regained their control. But in the daytime, the clear call of the coast came thundering in with its unique blend of music, news and sports, but always with the music. Kids could hear it and remember a special time on a blanket on the sand. The beat reminded them of a '57 Corvette they had seen at the beach concession stand with a knockout blonde in a bathing

The late '50s top-40 music had a passion to it, an undisguised appeal to the heart and a joy and sorrow all at the same time. It often had a comic aspect that was really funny, appealing to your gut-level humor. And everybody understood it. At least everybody who counted.

No single medium today can ever have the focused influence that a few AM stations had in the late '50's and early '60's. They signalled the threshold of a new era.

The soundtrack was there. Always there. And it directed all that was to come. And all that we were to be. And the medium was as interesting as the message. AM radio was as unpredictable as the life we were leading at the moment. And we feel it. Sometimes late at night when sleep won't stay, faint echos of the sound track stir in our mind. And sometimes, the music in our memory is sequed by the signature call of the Big Ape leading into "Johnny B. Goode". Or maybe...

"In The Still Of The Night"
Or... "You Are My Destiny"

..."Poison Ivy"

..."Don't Be Cruel"

..."Sweet Nothin's"

..."Lonely Teardrops"

..."Dream Lover"

... "This Magic Moment"

DID YOU KNOW that Westinghouse bought all the modern patents on radio receivers in 1919, and then didn't know what to do with them? So they started a radio station. In Pittsburgh.

Radio **Roundup** P. O. Box 73 Bethel, CT 06801-0073

Pete Kemp (KZ1Z) PeteKZ1Z@AOL.com P. O. Box 73

News of the radio industry, of interest to DX'ers

vention in Washington, DC. When they say vet-People's Radio Network ... Canadian Radio Teleof our lives. I wonder if FAXes and Screen Prints will count as OSLs in the future? Yes, the times, nations's capitol on WWRC. He had previously

As a true lover of radio history I am constantly encing telephone terrorism. It appears that some on the outlook for interesting facts and bits of his-modem hacker has programmed the stations calltory from radio stations all over the United States. in lines, having them call continually, thus block-Today I learned of a most unique part of history ing the stations from receiving calls during the that you can own. The Children's Hospital in Pitts- Carmine Guzman Show. Gee, I thought it was bad burgh (1-800-437-5419) is selling pieces of the enough listening to Stern disciples disrupt radio KDKA radio tower, encased in lucite, which broad- and TV call-in shows ... After 18 years in Windy cast the mighty KDKA signal from 1930-1994. This City Radio, Steve Dahl has left WMVP ... Steve's paperweight type object comes complete with a old partner Garry Meier has moved to WLS-AM. little piece of paper detailing its history. When He will be back to the twin thing, being paired up chatting with the Developement Department of the with Roe Conn ... Wes Minter has brought his Hospital Hearned that AM Radio DXers have been talkshow to KCMO for the afternoon drive slot. calling in from all over the country. This piece of He had previously been on WCCO in Minneapoart sells for \$20, plus \$3 shipping, with proceeds lis ... Rick Dees has signed back on the dotted line going to the Children's Hospital. Here is a great with KIIS to continue as their morning man chance to get a piece of history and help out a through the year 2000 ... KKRD has hired on a worthwhile organization ... Veteran radio broad- hitman, Greg Williams, for overnights and has caster Barry Gray will receive the Talk Show Host tapped crossfown rival KXLK morning drive perof the Year Award from the National Association sonality Patti Masten ... Anthony Pepe is staying of Radio Talk Shown Hosts at their annual conup as the new overnighter at Providence's WWKX ... Speaking of Anthonys, Mark Anthony is doing eran they aren't kidding, as Barry Gray is 79 years wake-ups at Madison's WZEE ... Ron Begnard can old this year ... Chuck Harder is suing CNN on sleep a little later in the day, as he has moved from their exposé of his radio work on their CNN Pre-overnights to afternoon drive on KBIU in Lake sents: Patriots and Profits program; Harder is as- Charles, LA... Some CBS Owned and Operated sociated with his "We the People" program and the stations are experimenting with audio feeds of Sunday night TV's 60 Minutes ... On a sad note vision and Telecommunications Commission CBS Radio has axed the football announcing team chairman Keith Spicer says that his commission is of Frank Buck and Hank Stram for the duo of now accepting applications of landbased digital Howard David and Matt Millin ... Alan Dershowitz radio stations. He foresees DAB as a replacement has been axed from WABC ... Dr. Laura to today's AM and FM stations, and will give ex- Schlessinger is really a hot talker with her no nonisting Canadian AM and FMers preferential treat-sense help show. She is heard in over 250 markets ment in future licensing ... One has only to ponder and said to surpass Rush in some of them in the the future of AM radio as we know it. While I ratings ... KNX is currently celebrating its 28th fully expect to be an avid AMer until my best anniversary as an all-news station ... Washington friends are pulling me by the handles for my last D.C.'s morning mouth, Victoria Jones has been drop, I do ponder the affects of the Internet on our given her walking papers... The FCC issued warnhobby. For a diversion the other night, I played ings to 7 "silent" stations to either get on the air or around on the Internet, listening to stations from forfeit their license. There are currently 200 "siall around the world. Then by tweaking things lent" stations on the books, and the FCC is reviewwas able to watch some TV over the Internet, coming them on a case-by-case basis. Stations receivplete with CBS News Updates. This wiring of ing letters were KCCL-AM, KDLB-AM, KMOA-American will certainly have an impact upon all AM, KRDG-AM, KUHD-AM, KGPL-AM and WHSK-FM ... From the radio History Department, did you know that the KMOX call letters stood for they are a changing ... NRCer Gregory Hanson "MÓ" Missouri and the "X" stand for Christmas, reports that Jim Bohannon is back on the air in our as the station first signed on Christmas Eve ... NRCer Greg Hanson reports that NPR's Car Talk worked in the market on WTOP, before going to fans can visit their friends on the worldwide web Mutual and Westwood One ... WCKY is experiath http://www.cartalk.com... Current NPR politi-

It may not be perfect ...

but the NRC AM Log is, simply, the best there is because of your contributions. Why not make the next edition even better? Send all corrections and changes to Wayne Heinen · 4131 S. Andes Way · Aurora, CO 80013-3831, or nrclog@filebank.com. Thanksl

cal commentator and former CBS and CNN news- honor ... Imus in the Morning will now been seen in Providence for the afternoon drive gig on WTIC in Harford ... Bob Leavy is out at WMAL in Washington, DC ... The Scooter is back doing nights on WRVW ... Jay Diamond is out at WABC. Former WABC morning talker Curtis "Guardian Angle" Sliwa will take over Diamond's spot ... Machine Gun Kelly is back on the air, this time in Las Vegas on Oldies KBGO ... Veteran Detroit TV personality Bill Bonds, has switched over to radio, doing mornings on WXYT ... Dandy Dan Daniels, former WMCA Good Guy back in the '60's, has surfaced on WCBS-FM spinning oldies on Sunday mornings ... Paul W. Smith is leaving the City of Brotherly Love for a spot on WJR effective July 1st ... Respected Sports Director for ABC Sports (Monday Night Football) and XTRA Sports host Chet Forte has passed away of a heart attack. He was 60 ... The Rockett has been axed at KESY in Omaha ... Wayne Heinen reports that an era in Denver broadcasting ended when Charley Martin's KHOW contract expired and was not renewed. "It's a personal issue between the station and and Charley Martin, and there's really nothing more I can say about it." Martin and "Morning Show" partner Hal Moore celebrated 25 years on KHOW (630 AM) last year. The show will continue with Hal Moore and Murphy Houston ... John Bowker reports from Tampa that "The area may soon be down to two professional sports teams, but beginning today it will have three all-sports radio stations. WSÚN-620 will join sister station WFNS-910 and WNZE-820 in carrying the popular all-sports format. The change means such programs as Bob Lassiter, Gary Spivey and "Hooters on the Radio" are history. All received word yesterday that their services would no longer be needed. The Tribune article goes on to say the new lineup will be Ron & Ron 6-10 a.m., followed by "The Fabulous Sports Babe" featuring former Tampa radio personality Nanci Donnellan (yes, Nanci). What the Trib does not point out is that the Tampa Bay Buccaneers football broadcasts are carried by WOYK-1010, and WFLA-970 is now using the slogan "Your Tampa Bay Devil Rays Station." (The Devil Rays will be our new baseball team starting in 1997.) So where this leaves all our "All Sports" stations is a mystery. They DO have the Lightning hockey broadthe Motor City's WHYT ... Charlee Simmons (ex-KSFO) has been paired Byrson Suits (ex-KHOP) for a morning gig on Salt Lake City's KBER ... WTJY, Toledo's only 24 hour a day Christian Music station in the market has been sold. Its new respiratory distress at age 88. The longtime host

man Daniel Schorr turns 80 this summer ... Steve weekday mornings on the new MSNBC cable tv Dahl will return to the airwaves quickly, this time network. It does seem a bit strange that MSNBC on WCKG, effective July 8th. In other July changes would make such a major programming change, lmus will be heard on KLAC and KMEM is the since they have been on the air less than a month. Los Angeles area ... David Simpson has left WPRO Time will tell how this move will work out. Considering that lmus is the only non-sports show on WFAN-1050, he will now be the only non-news show on MSNBC ... The FCC has pulled the licenses of the following "silent" stations: KGPL, KWHK, KMOA, KCCL, KRDG and KGCX. In April the FCC inquired of numerous "silent" stations to explain their situation. The stations cited above didn't even bother to reply to the query ... SPIN magazine and Westwood One have come together to produce a series of 90 minute specials for airing on the Westwood One Network and syndication ... Hats off to the staff of WKXB and their sister station WSFM in Wilmington, SC who survived Hurricane Bertha's 130 miles per hour winds to provide a vital link to their community. Pulling expanded shifts the station were on the air, living on canned food for two days ... Sharp-eyed NRCer Gregory Henson reports that Bob Leavy has been shown the door after a three-year stint on WMAL ... Veteran air traffic reporter Walt Starling is back on the air in DC having joined Metro Traffic ... Dr. Laura Schlessinger will be moving to WMAL on September 1st ... WMAL is really going through some changes. Bill Trumbull has announced his retirement on the air, after 36 years on the station. His on-air partner Chris Core will now be teamed with Brooke Stevens ... In the City of Brotherly Love, WGMP has applied for new calls, WPTS (We're Philadelphia's Talk Station). Many people would like to see a return of the WCAU callsign, which has a long history, but the station's PD says it also has a lot of baggage too. BTW, WGMP is simulcasting TV's "60 Minutes" on Sunday evenings ... Jim Eason, a 25-year fixture at KGO is moving over to KSFO ... WGY's talker Mike Gallagher is moving down state to the Big Apple's WABC ... Ian Prunette has been given his walking papers at WGN after three years ... ABC has announced plans for a fulltime Children's Network, targeting kids 12 and under ... In Denver KXKL-1280 has gone talk. With the new format the Aaron Harber Show will fill the 8-9 pm slot ... KDKA sees Fred Hornsberger returning to the afternoon drive position ... Larry Kantor has been given an anchor desk spot on 1010-WINS ... Remy Maxwell and Suzanne Ansillo have switched slots on KLOS ... The Olympic bombing caused many networks to casts ... The rumor mill has WGY talker Mike scramble. Jim Bohannon had just finished his 10-Gallagher moving on to KSTE in Sacramento ... 1 show from a spot 60 yards from the Centennial Curt Kruse is the new afternoon drive timer on Olympic Park. WGST, the Official Olympic Station, was on the air live with Pete Davis, within earshot, broadcasting from the House of Blues at the time. ESPN Radio went live starting at 3:45 am with Tony Bruno and Keith Olberman, from ESPN-TV. Call-in shows all over the country were owners are contemplating an Unban Contempo- bombarded with calls, as the switchboards lit up rary format ... Don MacNeill has passed away of with a variety of responses, covering the entire political spectrum ... The Jones Satellite Networks has of the Breakfast Club broadcast on the ABC Radio added Magic Christian as its morning man on the Network from 1933 through 1968. I end this col- U.S. Country format ... Alan Keys will be syndiumn with one final march around the table in his cated starting September 2nd, via the Salem Radio Network ... Looking for some interesting places to play on the Internet? Try the Classic CKLW Homepage for a fantastic journey back in to your mind. http://www.novagate.com/~jack/cklw/ cklw.html. Imagine listening to wav files of IDs, promos, di personalities and newscasters. Listening to the 20/20 news introduction with the late Byron MacGregor brought me back to the good of days on 800 in a flash. Also included on their packet, KZ1Z @ K1UOL.CT. So much for now. links were pages, a variety of pictures, and other

goodies of that era ... While on the subject of web pages don't forget the famous NRC Homepage, http://wcoil/~gnbc/, taken skillfully care of by Fred Vobbe ... If you would like to contribute to this column, I may be reached at the address above, InterNet PeteKZ1Z@AOL.COM, the FIDO system in the Shortwave, Ham or Broadcasting echo areas. The Oracle 1:141/1015, or amateur radio

The DCP-2 Dual Controller/Phaser by Mark Connelly

The DCP-2 Dual Controller / Phaser is an updated version of the previous DCP-1. It retains the original ability to tune up to two varactor-tuned remote antennas (active or passive). It can still be used for (remote) L/Ctype phasing in the fashion of the DCP-1. Phasing capabilities have been enhanced by the addition of a built-in delay-line circuit. This allows phasing without the detuning of the inputs sometimes needed to implement nulling via L/C methods. Keeping the inputs correctly peaked can give better signal-tonoise margins on weaker stations audible after having nulled a dominant. The delayline and remote L/C methods can be combined for even greater nulling flexibility. The DCP-2 can now additionally be used as a full-featured delay-line phaser for two broadband (untuned) sources such as active whips, longwires, etc.; it can now do anything the DL-2 phaser does (besides being a dual

controller as well).

Besides the addition of the delay-line circuitry, some changes have been made at the inputs to permit control of Byan-type remote antenna terminators using Vactrols (EG&G Vactec VTL3A17 / Allied 980-0206, or equivalent). These remotely-adjustable resistors can be used for Beverage, Ewe, and rhombic termination; remote amplifier gain control; and other useful tasks. Two Beverages, with remotely-adjusted terminations, running through the DCP-2's delay-line phasing circuit and then followed by a low-noise high-Q regenerative preselector en route to the receiver would make a superb set-up for serious DXing.

DCP-2 controls and jacks are compatible with WAIION DX Labs remotely-tuned antenna systems such as the RL-1, RTL-2, RTL-1A, and RTL-1 Remotely-Tuned Loops and the RW-1 and RTU-1 / MFJ 1024 Remotely-

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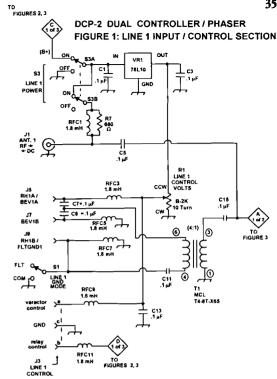
Tuned Active Whips. Two cables connect the DCP-2 to each active antenna (4 DCP-2 -to- antenna cables total). One of these two cables per antenna is the coaxial line which transfers DC power (+12 V nominal) to the antenna and RF output from it. The other cable transfers varactor and bandswitch-relay control voltage to the antenna. For short cable runs (up to 20 ft. / 6 m), a stereo jumper cable (two shielded cables formed into a single assembly), modified for the correct connectors, will work well for each remotely-tuned active antenna, even if the impedance of it may not be exactly 50 ohms. On longer runs, the RF/DC power section should be implemented with good 50 ohm coaxial cable for best results. When remotelyterminated wire antennas are used, they are connected to various banana jack inputs (as noted in the procedures), rather than to the BNC and stereo jacks used for remotely-tuned antennas.

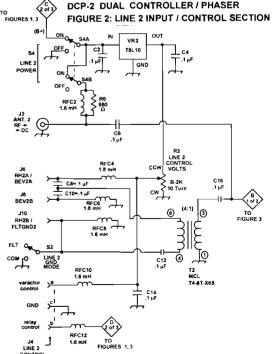
DCP-2 Inputs / Outputs

- J1: transfers DC power to, and RF from, active Antenna #1
- I2: transfers DC power to, and TO FIGURES 1, J RF from, active Antenna #2
- J3: transfers varactor and relay control to active Antenna #1
- J4: transfers varactor and relay control to active Antenna #2
- J5: used for 'A' lead of rhombic #1 or Beverage #1
- J6: used for 'A' lead of rhombic #2 or Beverage #2
- J7: used for 'B' lead of Beverage #1; or used for longwire #1
- used for 'B' lead of Beverage #2; or used for longwire #2
- 19: used for 'B' lead of rhombic #1; or used for float GND #1 I10: used for 'B' lead of rhombic
- #2; or used for float GND #2 J11: transfers RF from the DCP-2
- to the receiver J12: input for DC 'car power' source (+11.5 to +15.5 volts typical)

DCP-2 Controls

R1: adjusts the Antenna #1 varactor or terminator control voltage R2: adjusts the Antenna #2 varactor or





terminator control voltage R3: adjusts the undelayed channel signal amplitude

R4: adjusts the delayed channel 0/180-degree signal amplitude

R5: adjusts the delayed channel 90/270-degree signal amplitude

S1: selects floating or common GND when wire antennas are used at any of the line #1 wire input jacks (J5/J7/J9)

S2: selects floating or common GND when wire antennas are used at any of the line #2 wire input jacks (J6/J8/J10)

S3: enables / disables DC
voltage used to control and
power remote Antenna #1
S4: enables / disables DC
voltage used to control and
power remote Antenna #2
S5: selects which input (1 or
2) goes to the Undelayed
channel; it sends the other
input to the Delayed channel

S6: selects Undelayed output, Delayed output, or one of the two Null modes (a orb) that combine the two antenna channel outputs

S7: controls the relays in Antenna #1 and Antenna #2 that select low-band or highband frequency range

58: selects the delay-line's delay time range: different settings may give best results as frequencies and antenna impedances vary

S9: turns the DCP-2's broadband output amplifier on (for extra gain when needed) or off

<u>Using the DCP-2</u> (Refer to Figures 5 and 6.)

1.0 Remotely-Tuned Antennas 1.1 Preliminary Setup

Connect Antenna #1 to J1 (RF/DC) and to J3 (control).

Connect Antenna #2 to J2 (RF/DC) and to J4 (control). Connect the receiver to J11. Connect DC power (+12V) to J12. Jacks not mentioned are not used at this time.

Set R3 and R4 about a eighth of a turn from fully counterclockwise (anticlockwise): e.g. at 8:30 hour-hand pointer

DCP-2 DUAL CONTROLLER / PHASER FIGURE 3: OUTPUT SECTION

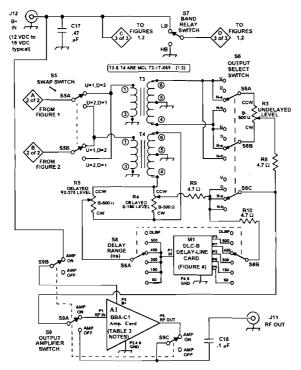
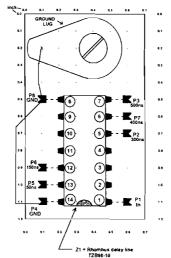


FIGURE 4: DLC-B DELAY-LINE CARD

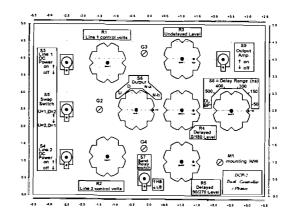
(M1 OF DCP-2 DUAL CONTROLLER / PHASER)



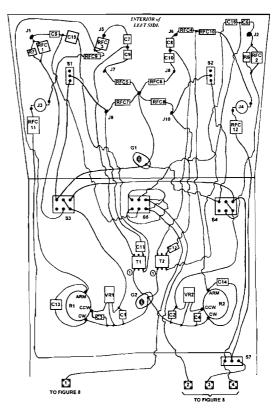
For complete parts list, see Table 4.
For connections, see Figure 3,
P4 to P8 wire is insulated.

DCP-2 DUAL CONTROLLER / PHASER

FIGURE 5: TOP SIDE PICTORIAL



DCP-2 DUAL CONTROLLER / PHASER FIGURE 7: ASSEMBLY PICTORIAL 1



position if 7 o'clock is fully CCW. Set R5 to mechanical center (knob pointer at 12 o'clock). R1 and R2 will be adjusted in subsequent procedures.

Set S3 and S4 to On (up). Set S5 to [U=1,D=2] (up). Set S6 to Undelayed. Set S7 to HB (highband). Set S8 to 150 ns. Set S9 to Output Amplifier off. Positions of these switches may be changed during the procedures to follow. Positions of switches not mentioned may be ignored at this time.

1.2 Tune Antenna #1

Adjust R1 for a peak signal on the desired frequency. If a well-defined peak does not occur, or if it is at the CCW or CW end of R1's adjustment range, change the setting of S7 (the band-select switch) and then re-adjust R1 to get the desired peak.

1.3 Tune Antenna #2

Set S5 to [U=2,D=1] (down). [Note: Antenna #2 must be tuning-range compatible with Antenna #1 as there is only one band-select switch (S7).] Adjust R2 for a peak signal on the desired frequency.

1.4 Select "Weaker" Input as Undelayed Channel

Flip S5 between up and down positions. Leave it on the position that yields the lower level of signal from the dominant station or noise source to be nulled. If there is no observable strength difference, set S5 to a default position of [U=1,D=2] (up). 1.5 Balance Line Levels

Set S6 to Undelayed and to Delayed. Compare the strength of the station to be nulled at each of these settings. If the Undelayed S6 position has a stronger signal than the Delayed position, adjust R3 until these levels are equal. If the Delayed S6 position has a stronger signal than the Undelayed position, adjust R4 until these levels are equal. 1.6 Determine S6 position to use

Try both positions (Null-a, Null-b) of S6. If one position yields a noticeably weaker signal from the station to be nulled, leave S6 on that setting, otherwise "default it" to Null-a.

1.7 Nulling

Adjust R5 (90/270 pot) for a null of the dominant station. If an obvious null does not occur, return R5 to mechanical center (12:00) and use R4 (0/180 pot) to look for a null. Once an approximate null has been created, make small interactive adjustments of R4 and R5 to "finish off" the pest station.

Sometimes moving a bit past the best dip on a given pot (e. g. R4) might result in a superior overall null when the slight adjustment of the other delay pot (e. g. R5) is made. Interactive R4 / R5 adjustments should be VERY SMALL as the final null is being approached. It may then help to add some very minor R3 adjustments into the mix as well.

If a reasonable null does not set up, return R4 to 8:30 and R5 to 12:00; then set S8 to one of the other delay range positions and repeat steps 1.5 through 1.7. In most cases, setting S8 to either 150 ns or 300 ns will work.

1.8 Final nulling By this time, a null should be well-established. At the end, blend in some minor touch-ups to R1 and R2 (slight control-voltage shifts) along with the small R3-R4-R5 final adjustments. When one or more remotely-tuned loops are the antennas being controlled, slight physical re-positionings of these can also help.

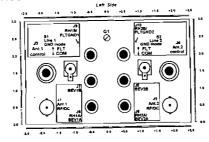
1.9 Amplification If the desired DX station (left after nulling) is too weak, switch in the DCP-2's amplifier by setting S9 to Output Amplifier On (up). If the broadband amplifier overloads and causes spurious responses, the recommendation is to set S9 back to Off and use a tuned external amplifier (such as the MWT-3) between the DCP-2 output and receiver input.

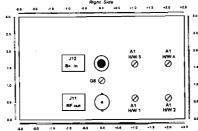
1.10 Application notes: remotely-tuned active antennas

If the null is too "narrow-banded" (not nulling both sidebands of an AM signal as well as the carrier), set the Q-spoiling switches on the two active antennae to "Low Q" instead of "Normal Q".

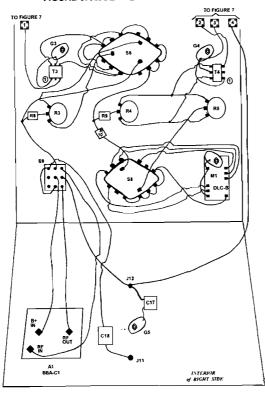
DCP-2 DUAL CONTROLLER / PHASER

FIGURE 6: LEFT SIDE, RIGHT SIDE PICTORIALS





DCP-2 DUAL CONTROLLER / PHASER FIGURE 8: ASSEMBLY PICTORIAL 2



To gain experience in using the DCP-2 to phase two remotely-tuned antennas, practice on daytime MW broadcast signals, especially those having a subdominant that, before null attempts, is perceivable behind the dominant station. "Graveyard" channels (1230, 1240, 1340, 1400, 1450, 1490 kHz in North America) are usually prime candidates. Phasing skip signals at night is considerably more difficult, especially above 1 MHz on short-skip where multiple skip modes and rapid changes in arrival angle occur.

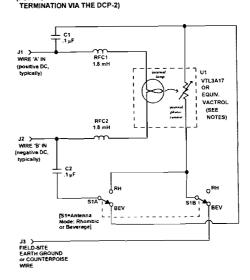
2.0 Remotely-Terminated Wire Antennas

2.1 Preliminary Set-up

If the two wires of Antenna #1 are a Beverage: Connect the Vactrol positive lead (wire '1A') to J5. Connect the Vactrol negative lead (wire '1B') to J7. Set S1 to FLT only if a ground wire or low-noise counterpoise is tied to J9; otherwise, S1 must be set to COM. (The COM S1 position can be used whether or not J9 has a wire connected to it.)

If the two wires of Antenna #1 are a rhombic: Connect the Vactrol positive lead (wire '1A') to [5. Connect the Vactrol negative lead (wire

DCP-2 DUAL CONTROLLER / PHASER FIGURE 9: FIELD-SITE REMOTE TERMINATOR BOX (FOR CONTROL OF BEVERAGE AND RHOMBIC ANTENNA



NOTE:

• Ut (CRGQ Vactes VTL2A17) is Allied PIN 9901006.

• Desirity of DC on input wires closes it matter:

• Vull lamp leads will measure least than 2000
ohms and photocassible feeds will measure

• Ut lamp leads will measure least than 2000
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'1B') to J9. Set S1 to FLT. If the desired pattern and/or noise suppression turns out to be better with S1 on COM, leave it there instead.

If the two wires of Antenna #2 are a Beverage: Connect the Vactrol positive lead (wire '2A') to J6. Connect the Vactrol negative lead (wire '2B') to J8. Set S2 to FLT only if a ground wire or low-noise counterpoise is tied to J10; otherwise, S2 must be set to COM. (The COM S2 position can be used whether or not J10 has a wire connected to it.)

If the two wires of Antenna #2 are a rhombic: Connect the Vactrol positive lead (wire '2A') to J6. Connect the Vactrol negative lead (wire '2B') to J10. Set S2 to FLT. If the desired pattern and/or noise suppression turns out to be better with S2 on COM, leave it there instead.

2.1a Additional Preliminary Set-up

Connect the receiver to J11. Connect DC power (+12V) to J12. Jacks not mentioned up to this point are not used at this time.

Set R3 and R4 about a eighth of a turn from fully counterclockwise: e.g. at 8:30 hour-hand pointer position if 7 o'clock is fully CCW. Set R5 to mechanical center (knob pointer at 12 o'clock). R1 and R2 will be adjusted in

subsequent procedures.

Set \$3 and \$4 to On (up). Set \$5 to [U=1,D=2] (up). Set \$6 to Undelayed.

Set \$7 to HB (high-band). Set \$8 to 150 ns. Set \$9 to Output Amplifier off. Positions of these switches may be changed during the procedures to follow. Positions of switches not mentioned may be ignored at this time.

2.2 Adjust Antenna #1 Remote Termination

Adjust R1 for the best possible rejection of interfering signals and noise from undesired directions. Depending on the frequency range, antenna length, and quality of termination, this pattern alteration may be subtle or it may be quite obvious. Most of the effective range will be in the first two turns of (10-turn pot) R1 from the fully CCW position.

2.3 Adjust Antenna #2 Remote Termination

Set S5 to [U=2,D=1] (down). Adjust R2 for the best possible rejection of interfering signals and noise from undesired directions. Most of the effective range will be in the first two turns of (10-turn pot) R2 from the fully CCW position.

LEFT SIDE

Hole	Comp.	Description	X	Y	D
#	Desig.				
1	J3	Ant.1 control-stereo jack	-1.875	1.5	0.375
2	J1	Ant.1 RF / DC - BNC jack	-1.875	0.5	0.375
3	S1	Line 1 GND mode - shaft	-1.125	1.625	0.25
4	SI	Line 1 GND mode - tab	-1.125	1.375	0.125
5	J 9	RH1B/FloatGND1-blk banana jk	-0.5	2	0.3125
6	J7	BEV1B - yellow banana jack	-0.5	1.25	0.3125
7	J5	RH1A/BEV1A - red banana jack	-0.5	0.5	0.3125
8	G1	grounding H/W - internal lug	0	2.5	0.125
9	J10	RH2B/FloatGND2-blk banana jk	0.5	2	0.3125
10	J8	BEV2B - yellow banana jack	0.5	1.25	0.3125
11	J6	RH2A/BEV2A - red banana jack	0.5	0.5	0.3125
12	S2	Line 2 GND mode - shaft	1.125	1.625	0.25
13	S2	Line 2 GND mode - tab	1.125	1.375	0.125
14	J4	Ant.2 control-stereo jack	1.875	1.5	0.375
15	J2	Ant.2 RF / DC - BNC jack	1.875	0.5	0.375

TOP SIDE

T C) PSID	E			
Hole	Comp.	Description	X	Y	D
#	Desig.				
1	S3	Line 1 DC power swt shaft	-2.5	3.875	0.25
2	S3	Line 1 DC power swt tab	-2.5	3.625	0.125
3	S5	Swap switch - shaft	-2.5	2.5	0.25
4	S5	Swap switch - tab	-2.5	2.25	0.125
5	S4	Line 2 DC power swt shaft	-2.5	1.125	0.25
6	S4	Line 2 DC power swt tab	-2.5	0.875	0.125
7	G2	grounding H/W - internal lug	-1.5	2.5	0.125
8	R1	Line 1 tune pot - shaft	-1.25	3.875	0.375
9	R2	Line 2 tune pot - shaft	-1.25	1.125	0.375
10	S6	Output Select switch - shaft	-0.375	2.5	0.375
11	S6	Output Select switch - tab	0.125	2.5	0.144
12	G3	grounding H/W - internal lug	-0.125	4,125	0.125
13	G4	grounding H/W - internal lug	-0.125	1.375	0.125
14	S7	Band Relay switch - shaft	-0.125	0.5	0.25
15	S7	Band Relay switch - tab	-0.125	0.25	0.125
16	R3	undelayed level pot - shaft	1	4	0.3125
17	R3	undelayed level pot - tab	1.3125	4	0.144
18	R4	0/180 deg. delay pot - shaft	1	2.5	0.3125
19	R4	0/180 deg. delay pot - tab	1.3125	2.5	0.144
20	R5	90/270 deg. delay pot -shaft	1	1	0.3125
21	R5	90/270 deg. delay pot - tab	1.3125	1	0.144
22	S9	Amplifier switch - shaft	2.25	4	0.25
23	S9	Amplifier switch - tab	2.25	3.75	0.125
24	S8	Delay Range switch - shaft	2.5	2.5	0.375
25	S8	Delay Range switch - tab	3	2.5	0.144
26	M1	DLC-B delay card mtg. H/W	2.125	1	0.125

Need to renew? Expired? The mailing label will tell you.

2.4 Select "Weaker" Input as Undelayed Channel: See Step 1.4

2.5 Balance Line Levels: See Step 1.5

2.6 Determine S6 position to use: See Step 1.6

2.7 Nulling: See Step 1.7

2.8 Final nulling: See Step 1.8

2.9 Amplification: See Step 1.9

3.0 Passive Wire Antennas (control voltages not needed) 3.1 Preliminary Set-

Connect Wire #1 to J7 and Wire #2 to 18.

Set S1 to FLT only if a ground wire or low-noise counterpoise is tied to J9; otherwise, S1 must be set to COM. (The COM S1 position can be used whether or not J9 has a wire connected to it.)

Set S2 to FLT only if a ground wire or low-noise counterpoise is tied

to I10; otherwise, S2 must be set to COM. (The COM S2 position can be used whether or not I10 has a wire connected to it.)

Connect the receiver to J11. Connect DC power (+12V) to J12 if use of the DCP-2's output amplifier is anticipated. Jacks not mentioned are not used at this time.

Set R3 and R4 about a eighth of a turn from fully counterclockwise: e.g. at 8:30 hour-hand pointer position if 7 o'clock is fully CCW. Set R5 to mechanical center (knob pointer at 12 o'clock). R1 and R2 will be adjusted in

R I	GHT S	SIDE _			
Hole	Comp.	Description	X	Y	D
#	Desig.				
1	J12	B+ input - phono jack	0	1.625	0.25
2	G5	grounding H/W - internal lug	0	1.125	0.125
3	J11	RF out - BNC jack	0	0.5	0.375
4	A1	Broadband Amp. Card - H/W 3	ı	1.625	0.125
5	A1	Broadband Amp. Card - H/W 1	1	0.625	0.125
6	A1	Broadband Amp. Card - H/W 4	2	1.625	0.125

Table 2: DCP-2 "upper level" parts list

NOTE: Amplifier components are itemized in Table 3. Delay-line card components are itemized in Table 4.

Broadband Amp. Card - H/W 2

*: Note follows parts list.

Vendor codes for this and subsequent parts lists:

/ 3 Commerce Drive AST = Astrum Electronics / Atkinson, NH 03811 (Rhombus distributor) /Tel. 1-603-898-3399 CS = Circuit Specialists / P. O. Box 3047 / Scottsdale, AZ 85271-3047

/Tel. 1-800-528-1417, 602-464-2485

2

0,625

0.125

/ P. O. Box 3203 DC = DC Electronics / Scottsdale, AZ 85257-3293 /Tel. 1-800-467-7736, 602-945-7736

MCL = Mini-Circuits Lab / P. O. Box 350166 / Brooklyn, NY 11235-0003 /Tel. 1-800-654-7949,

417-335-5935

/ 958 North Main Street MOU = Mouser Electronics / Mansfield, TX 76063-4827

/Tel. 1-800-346-6873, 817-483-5712 (export)

/ Many locations worldwide RS = Radio Shack

subsequent procedures

Set S3 and S4 to Off (down). Set \$5 to [U=1,D=2] (up). Set S6 to Undelayed.

Set S7 to HB (high-band). Set S8 to 150 ns. Set S9 to Output Amplifier off. Positions of these switches may be changed during the procedures to follow. Positions of switches not mentioned may be ignored at this time.

3.2 Select "Weaker" Input as Undelayed Channel: See Step 1.4

3.3 Balance Line Levels: See Step 1.5

3.4 Determine S6 position to use: See Step 1.6

3.5 Nulling: See Step 1.7

3.6 Amplification: See Step 1.9

Comments on Phasing with the DCP-2 Phasing methods are not "cast in concrete"; numerous working strategies exist. Sometimes there is collateral nulling of DX along with "pests". The likelihood of this occurring is much less if an active loop is phased against an active whip than if two whips or two loops are phased. Useful nulls - those that remove pests

Problems, Problems?

We can't solve all your woes, but we can solve your DX News problems. Torn, soiled, partiallyprinted, MIA, or worst of all, delivered in a USPS plastic baggie? No need to return the copy-just end a postcard to NRC - 2840 SE Illinois Ave. - Topeka, KS 66605, and a replacement copy will be mailed free. Missing back issue? Replacement copies from Vol. 56 on, to current NRC members only, are sent for the cost of first-class postage. Quantities will be sent book rate; reimburse by check after you receive the package and verify the postage amount. See? No problem!

1tem	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	A 1	BBA-C1 amp. card	>>>	see text & Table 3	111
2	C 1-16,18	capacitor, 0.1 uF	MOU	539-CK05104K	17
3	C 17	capacitor, 0.47 uF	MOU	581-UDW474M1	1
4	G 1-5	solder lug, #4	MOU	534-7311	5
5	G 1-5	screw, 4-40 X.375"	MOU	572-01881	5
6	G 1-5	hex nut, 4-40	MOU	572-00484	5
7	J 1,2,11	BNC jack	RS	278-105	3
8	J 3,4	stereo headphone jk	DC	16PJ080	2
9	J 5,6	red banana jack	CS	229B-RED	_ 2
10	J 7,8	yellow banana jack	CS	229B-YELLOW	2
11	J 9,10	black banana jack	CS	229B-BLACK	2
12	J 12	RCA phono jack	RS	274-346	1
13	M 1	DLC-B delay card	>>>	see Fig.4, Table 4	1
14	R 1,2	pot,2K, 10-turn lin	DC	53611202	2
15	R 3,4,5	pot,500 ohm,linear	MOU	31CR205	3
16	R 6,7	resistor, 680 ohm	CS	RA680	2
17	R 8,9,10	resistor, 4.7 ohm	CS	RA4.7	3
18	RFC 1-12	RF choke, 1.8 mH	MOU	434-05-182J	12
19	S 1,2,7	switch,SPDT,on-on	RS	275-635	3
20	S 3,4,5	switch,DPDT,on-on	RS	275-636	3
21	S 6	switch/3pole/4pos.r	MOU	10YX034	1
22	S 8	switch/2pole/6pos.r	MOU	10YX026	1
23	S 9	switch,3PDT,on-on	MOU	10TC280	1
24	T 1,2	RF transformer,4:1	MCL	T4-6T-X65	2
25	T 3,4	RF transformer,1:2	MCL	T2-1T-X65	2
26	VR 1,2	voltage reg., 10 V	DC	78L10	2
27		chassis box, 7X5X3"	MOU	537-TF-782	1
28	*	knob, 0.94" black	MOU	45KN013	7
29	*	screw, 4-40 X .25"	MOU	572-01880	5
30	*	split lockwasher,#4	MOU	572-00649	5

Misc. items: hook-up wire, buss wire, solder, labels "AS REQUIRED"

- * Item 28: one each for R1, R2, R3, R4, R5, S6, S8
- * Item 29; four each for A1 mount; one for M1 mount
- * Item 30: four each for A1 mount; one for M1 mount

Table 4: (M1) DLC-B Delay Line Card subassembly parts list Vendor codes per Table 2.

Schematic = part of Figure 3; Assembly = Figure 4

Item	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard:0.7"X1.1"	RS	276-1396 (cut)	1
	H 1	screw, 4-40 X .25"	MOU	572-01880	1
3	H 1	split lockwasher,#4	MOU	572-00649	1_
4	H 1	solder lug, #4	MOU	534-7311	1
5	H 1	spacer, 4-40 X.375"	MOU	534-1450B	1
6	P 1-8	flea clip,.042"hole	MOU	574-T42-1/100	8
7	(for Z1)	14-pin DIP socket	RS	276-1999	1
8	Z 1	500 ns delay-line	AST	(Rhombus) TZB98-10	1

Misc. items: buss wire, solder "AS REQUIRED"



without killing DX as well - have been obtained using two loops when the loops have been spaced at least 3.3 ft./ 1 m apart and oriented at right angles to each other.

CONSTRUCTION DATA

Building the DCP-2 Dual Controller / Phaser

The documentation (schematics, assembly drawings, parts lists, hole lists, etc.) serves as the starting point. The following procedure should serve as an outline for the builder.

This is NOT a beginner's project. Some experience in electronic "homebrewing" is advisable.

Gather all necessary parts (see Tables 2, 3, 4). Prepare work area with appropriate tools.

2. Drill out chassis box, in accordance with Table 1.

3. Assemble the BBA-C1 Broadband Amplifier Card to be used for A1. Refer to the Super-MWDX-5 article and to Table 3.

4. Assemble the DLC-B delay-line card i n accordance with Figure 4 and Table

Mount the following

Table 3: (A1) BBA-C1 Broadband Amplifier card parts list

For schematic and assembly, refer to "Super-MWDX-5" article (files SMWDX5F4.PCX, SMWDX5F5.PCX).

ltem	Designator	Description/Value	Vendor	Vendor Stock #	QTY
1	BD	perfboard:1.4"X1.4"	RS	276-1396 (cut)	1
2	C 1,2,5,6	capacitor, 0.1 uF	MOU	539-CK05104K	4
3	C 3	capacitor,10uF tant	MOU	581-10K35	1
4	C 4	capacitor, 0.001 uF	MOU	539-CK05102K	1
5	H 1,2,3,4	screw, 4-40 X .25"	MOU	572-01880	4
6	H 1,2,3,4	spacer, 4-40 X .5"	MOU	534-1450C	4
7	H 1,2,3	split lockwasher,#4	MOU	572-00649	3
8	H 4	solder lug, #4	MOU	534-7311	ı
9	P 1-8	flea-clip/.042"hole	MOU	574-T42-1/C	8
10	Q 1	transistor, 2N3866	MOU	511-2N3866	1
11	R 1,5,8	resistor, 4.7 ohm	CS	RA4.7	3
12	R 2	resistor, 33 ohm	CS	RA33	1
13	R 3,6	resistor, 680 ohm	CS	RA680	2
14	R 4	resistor, 2.7K	CS	RA2.7K	1
15	R 7	resistor, 1 ohm	CS	RA1.0	1
16	RFC 1	RF choke, 2.2 mH	MOU	434-05-222J	1
17	U 1	voltage reg., 12 V	CS	7812	1

Misc. items: buss wire, solder "AS REQUIRED"

Table 5: control orientation conventions

Orientations are as viewed from outside the chassis box assembly.

Knob pointers should be aligned to the clock hour-hand positions indicated.

Side	Control	Orientation Conventions
left	Sı	noise reducing (float) GND = up; common GND= down
left	S2	noise reducing (float) GND = up; common GND= down
top	R1	CCW = max. Line 1 control voltage
	1	CW = min. Line 1 control voltage
top	R2	CCW = max. Line 2 control voltage
		CW = min. Line 2 control voltage
top	R3	CCW & CW = max. level Undelayed Channel = 7:00/5.00
		center = min. level Undelayed Channel ≈ 12:00
top	R4	CCW = maximum delay level (0 degrees) = 7:00
		center = min. delay level (0/180 degrees)= 12:00
		CW = maximum delay level (180 degrees)= 5:00
top	R5	CCW = maximum delay level (90 degrees) = 7:00
	Ì	center = min. delay level (90/270 degrees)= 12:00
		CW = maximum delay level (270 degrees)= 5:00
top	S3	Line 1 power on = up; Line 1 power off = down

components in the chassis box per pictorials (Figures 5, 6, 7), hole list (Table 1), and parts list (Table 2):LEFT SIDE: J1 through J10, S1, S2, G1 TOP SIDE: R1 through R5, M1,

S3 through S9, G2,

G3, G4

RIGHT SIDE: A1, G5, J11, J12 Note that each grounding hardware assembly (G1 through G5) consists of a 4-40 X 0.375" screw, a #4 solder lug, and a 4-40 hex nut. The lug and the nut are on the inside of the chassis box; the head of the attached screw is

outside the box. 6. Install remaining electrical components and wiring inside the chassis box in accordance with the parts list (Table 2), the assembly pictorial (Figure 7), and the schematics (Figures 1 through 3).

7. Install knobs on R1 through R5, S6, and S8 per Figure 7 and Table 2.

Table 1: DCP-2 holedrilling list

X = Horizontal distance. inches, from the vertical centerline (VCL) on the side observed. Negative values of

X are left of VCL, positive values of X are right of VCL.

top	S4	Line 2 power on = up; Line 2 power off = down
top	S5	Undelayed Channel: Line 1 / Delayed: Line 2 = up
		Undelayed Channel: Line 2 / Delayed: Line 1 =down
top	S6	Undelayed = 10:30; Delayed = 11:30;
-		Null-a = 12:30; Null-b = 1:30
top	S7	HB (high-band, ext. relay de-energized) = up
		LB (low-band, ext. relay energized) = down
top	S8	delay line disconnect = 9:30; 500 ns = 10:30;
	ĺ	400 ns = 11:30; 300 ns = 12:30; 150 ns = 1:30;
		50 ns = 2:30
top	S9	Output Amplifier On = Up; Amplifier Off = down

Y = Vertical distance, in inches, from the bottom horizontal edge of the side observed.

D = Hole diameter in inches.

Hole loci are first marked on the box with a scriber and are then drilled with a .125" bit. Subsequently, as required, the holes are enlarged to the proper size by using progressively larger bits up to that corresponding to the final desired diameter.

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Musings

Dave Schmidt P. O. Box 11502

Wilmington, DE 19850-1502

OJ INE MEMOETS

Times are local per Muse; submit double-spaced only.

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

ROBERT J. TIARA - 148 BEECHWOOD **CIRCLE - HENDERSONVILLE, NC 28739**

Not too much to report since my last MUSE. DX has been almost non-existant due to medical problems and typical summer static conditions. I've been in-out of the hospital 4 times with operations on my left leg. Hopefully, it's all over now!! Seems all the adverse problems started when STEVE (KK4FB) took a header down a flight of stairs several months ago. JERRY STARR soon thereafter developed eye problems, and someone (who will remain anonymous) dropped a screw into his plugged-in radio and fried it, and my ongoing problems, so much for the NRC Net! Hopefully, all the "bad" stuff is over with. I was looking forward to Knoxville this coming September, but with medical bills over 60K, I think I'll have to pass....at least I have insurance! Finally logged a good legal ID from KXBT-1630. They're in there every night but the noise level (static) is too high for decent copy. WKTE-1090 seems to be operating until midnight just about every night, steady S8-9 signal here most nights over a mix of WBAL/KAAY. If you need 'em, this is a good chance to log them. Good luck in getting a verie, I've tried about 4 or 5 times with no luck! WYBT-1000 has been heard several times lately just prior to midnight. They are a daytimer which simulcasts its FM, apparently someone forgets to throw the "switch" at sunset. They did the same thing several years ago. A good chance to log them as long as the "problem" continues. Signal is over/under WMVP so they must get out rather well. Verie finally in from KBOI-730 (??-pls) -Test from last March, ID #1!! Veries also in for the DX marathon of 3/23 and 3/25 from FL. Reports still out for TESTS from WIBG, WLWL, WGAI, WFNR and WTLA. Has anyone had any luck with these? 49 reports went out last season with 39 veries, a response rate of 79.592% with 5 tests still out. Finally, I was able to hear much needed SD with THREE different stations in TWO DAYS, either feast or famine! So much for now, good DX for the upcoming season!



STEVE FRANCIS - 1620 LODGE STREET - ALCOA, TN 37701-2024

Turks and Caicos is now back on 1020 after being heard nightly on 1025 for much of the spring. That's the sum of my DX since April! Convention plans have been proceeding smoothly, thanks to much help from ERNIE WESLOWSKI, KEN CHATTERTON, MIKE SANBURN, JOHN D. BOWKER and FRANK MERRILL. I'm still working on the technical talks and presentations, and need volunteers. computer yet but E-Mail to KarolineK@aol.com will be relayed to me in a jiffy. Happy summer and CUN KNOXVILLE!

DON TRELFORD - P O BOX 120 - ST. ANNS BAY - JAMAICA, W.I.

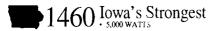
Have not MUSED for a while now, and as the season is over, its hard to get anything now so I will concentrate on the holdouts now. This sometimes works as it took 6 tries to get WPTF. Also, it is much appreciated that we have gentlemen such as DAVE SCHMIDT who, on seeing my year-old report to WAAV, would verify it for me! I have verie no. 495 now, aiming for 500 for the near future (this part of the MUSE was drafted up on 6/15). No. 495 was WKWF-1600 (also after several tries) and they are verie #50 for FL, seem to be an all-talk station now. This was quite a successful CPC season, with more stations than ever being picked up, but no great records for distance. Most unusual was WVLK-590 who sent a tape of the entire TEST. as I was the most distant reporter. Added CA to the number of states heard and AB to the number of provinces. One holdout in the midwest is KS, no stations heard there! A few graveyard catches, such as XEBK-1340 and WBSR-1450. WINSTON SMITH, our new member in Kingston, visited me a while back, he is also a ham but due to his crowded location, he is temporarily inactive. Was happy to solve the problem where XEQOO was located and get their reply (published in DX News), understand some other members have received replies. I always like to help, if I can, on these matters. You will note our postal rate has gone up (way up!), airmail letter to outside Jamaica is now J\$10 but at a rate of US\$1 equals J\$37 so not to bad. How about convolutions to get a verie, received a letter from an English teacher, who had been given my letter to a station in Cuba to translate into Spanish. Without asking the station, he wrote to me and I replied giving him an explanatory letter on DXing, which he would translate into Spanish and I would type it up and send it to the station. I am not awaiting the hoped-for verie and, of course, this has been over a period of months. Nothing new here in radio except there is a rumor JBC might sell off its second network, mostly FM stations. Evidently JBC has made a profit only once in 30 years (of course, it is government!). More later. STOP THE PRESS....As of this date (6/25) I am now up to 498 veries adding YVOD and YVKS. El Salvador makes a new country verified for me, too. 73s

MIKE HARDESTER - 3118 GAITWAY COURT - JACKSONVILLE, NC 28546-6973

During the past few months, I've been developing and entering data on my BCB/DX/Veries/etc. into a database. Not exactly a weekend job! In cross-checking veries, 3x5 cards (cross-reference for all logs since 1968), report copies, etc., I came across a verie from WWDJ-970. The log was for 6/13/71 7:08PM EDT (it was 4:08PM PDT, I was living in Modesto, CA at the time). It took a while, but I finally found a copy of my report in my Utility Log. The log was for reception on 15462 kHz (using a frequency meter, remember the old BC221's?). The program was a Giants/Mets game, included station IDs for WWDJ, local spots (Rango Beer?), etc. The announcer/engineer included "Gary ??? and Dave Freedman, engineers and Bob Murphy and Lindsey Nelson." I have a fairly good, slightly used brain but do not recall hearing others logging the station as I did. Possibly, very unlikely, it was the 16th harmonic of 970 (the 58khz difference from 15520khz could well be the BC221 + the operator/my less-than-accurate interpolation of the readout/calculation from charts). The verie says nothing about the reception (frequency) being on 15462khz. If there hadn't been mention of local spots/IDs, I might now assume that it was my then local KBEE-970. Granted, this was a SW type log, but my curiosity is whether anyone else experienced this strange reception and/or has any idea of how it might have occurred. Thanks! 73, fewer T-Storms and Best of DX1

KDMI - AM

OFFICE & STUDIOS: 2007 Mede Hay Road Des Moines Iowa 50310, 1195



ROBERT C POTE - 766 ASHFORD LANE - GREENWOOD, IN 46143-9048

Greetings from Greenwood fellow DXers! This has been a great DX season for me with many new stations logged. My wife and I just recently returned from our trip to AZ and Las Vegas, NV. We travelled through 10 states and covered 4000 miles. Needless to say, I logged many new stations that I never heard before. We took turns driving, while she was at the wheel, I was busy spinning the cars radio dial, writing down what I heard. I also brought my DX392 and Quantum loop along to use when we stayed in the motels at days end. We spent out first night in Claremore, OK, outside Tulsa. I set up the 392 and loop in our motel room but KVOO was so strong that my radio was overloading so badly that I had to unhook the loop. However, the next morning, I was able to hear KFI and KNX barefoot. After we left Claremore, we continued on to Wickenburg, AZ and spent 5 days with my wife's sister. While she visited, I set up the 392 and loop. I was very pleased to hear most of the CA clear channels and some of the regionals. I also heard KBOI-670 and KTWO-1030. It seems strange not to hear WBZ, WMAQ, WJR, etc. especially since they are so dominant in my area. After leaving Wickenburg, AZ, we journeyed on to Hoover Dam, enroute to Las Vegas. I heard a TIS at Lake Mead on 1610 giving out info for tourists and boaters. After seeing Hoover Dam, we drove on to Las Vegas where we spent 2 days. The temp. in Las Vegas was 117 when we arrived! We stayed at Maxim's Hotel and Casino; we did very little gambling as there were crowds everywhere. I did get to see the auto collection at the Imperial Palace and would recommend it to anyone who goes there. I set up my radio gear in our hotel room later that night with high hopes of hearing OR and WA state but the noise level and static in our room preclude that. We left Vegas after spending 2 days and travelled I70 back to our home in IN. All told, I heard 130 stations, I also made 3 cassette tapes of bandscans while in Wickenburg. I saw some beautiful country and heard some interesting stations.

BOB HARRISON - 166 RENNER AVENUE - UNION, NJ 07083-8839

Time to wrap up another DX season, my 12th year of dial twisting. Added 43 new stations this season, bringing the total heard to 1083, including 964 domestics (call-sign changes not counted). Received 46 veries in the season gone by, total now stands at 780 (743 domestics). SEASON HIGHLIGHT #1: the terrible winter snowstorms brought in one new catch, the Highlands NJ Emergency

Management station, WPHF584 on 680khz the afternoon of 1/7. Report addressed simply to the "Highlands Police Depart" (didn't even have a street address!) resulted in a nice card 2 weeks later. SEASON On 3/9, tried HIGHLIGHT #2: unsuccessfully for KMA-960 TEST but heard a then unidentified Canadian oldies station. Got back up around 5:30AM to try to ID it, but this time a Canadian country station was atop instead. Imagine my surprise when they IDed as CFAC, one of my most distant catches ever! SEASON HIGHLIGHT #3: KFNW-1200 TEST on 4/6 came through amazingly well for state #36, first new state since 1986. KFNW was even audible for a while after super-splasher WL1B-1190 signed on for its broadcast day. SEASON HIGHLIGHT #4: The FL DX TEST WEEKEND brought in 4 new stations here, WOCA-1370, WRUF-850, WAMR-1320 and WLUS-980. There were so many tests that weekend that it became impossible to stay awake for all of them! SEASON "LOW-LIGHT" #1: WJDM began broadcasting at 1660 on the expanded AM band from its tower less than a mile from my house, sending spurious signals up and down the entire band during the daytime, and obliterating the top of the dial day and night here. This definitely affects DX action here, we'll see how bad it is in the coming season.

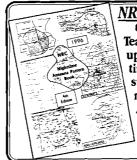
DAVE SCHMIDT - PO BOX 11502 - WILMINGTON, DE 19850

This is everything up through and including 7/28, we'll even get this out on time (started early!). Again, I must ask, PLEASE DOUBLE SPACE YOUR REPORTS. Even with my constant begging, one or two reports come through with burnt out ribbons and single spaced copy. I'm still not in the bifocal age yet (shouldn't be much longer!) so skipping a line between lines really does help. My Knoxville plans may have to be put on hold due to work, I'd like to be there, it still may happen but things are continuing to pick up with the

station work and now manage to keep three of us moderately busy. No DX done, but plans are in the works to get the phaser and short longwires back on line, especially with the R392 which I learned to enjoy while in SC.

With the purchase of CBS by Westinghouse, WGMP-1210 is getting away from the sports talk format (WIP-610 beat them badly in the ratings), going after a more main stream talk format. Rumor once was floating around the swapping of 1060 and 1210, putting KYW's news format on the better frequency, KYW has a deep null toward WEVD-1050 which lays into their audience around the Princeton, NJ area days and even NE Philly at night. WGMP has groundwave/skywave cancellation problems here at night, 30 miles from their transmitter. We let KEN CHATTERTON know we would be interested in hosting the '97 Convention in New Castle once again. If we get the OK, it'll be first on the agenda to set up, likely at the same place where we had it before. (You may have serious competition from what Ken tells me, Dave -pls)

Our deadlines will be Aug. 25th for the 9/16 issue in the event we get to Knoxville. To kick off V64, the deadline will be Sept. 21st and it is our traditional INTRO/REINTRO column; if you're new to the club, send in a report and let us know about YOU; if you're one of our "been at it for a couple of years" people, let us know what you're doing. If you're a lame-duck, it would just quack us up to get your report (JTA included!). Welcome back to the fold BOB FOXWORTH, your old HQ129X still works well (purchased at a NI hamfest last year!). Those who have sent us repairs, we got backed up on some major transmitter rebuilding projects and should be in touch with those who sent them in the next few weeks, tuned up and ready to go! That's it, your reports make this column possible so send them along! Also, we'll be 'on the air' at WDSD starting 8/10 thru 8/29 filling in, if you hear "Dave Williams", that's me. 73's



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